

Service Element and Activity Descriptions

October 2013



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NMHSPF Project Products

Draft Framework
Draft Service Element and Activity Descriptions
Draft Care Packages All Ages (0-4; 5-11; 12-17; 18-64; 65+; 65+ BPSD)
Draft Technical Manual
Draft Framework Estimator Tool (Beta Version) – LICENCE ONLY
Draft Framework Estimator Tool User Guide – LICENCE ONLY

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Version AUS V1 October 2013 TRIM Ref: H12/35030

6

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Version AUS V1 October 2013

TRIM Ref: H12/35030

TABLE OF CONTENTS

A.	Introduction	14
В.	Taxonomy of Service Elements	15
c.	Modelling Service Elements Using Individual Providers	17
D.	Modelling Service Elements Using Teams	17
E.	Modelling Service Elements Using Dollars	17
F.	Modelling Service Elements that are not Part of the Mental Health Service System	18
G.	Workforce Categories	18
н.	Classification of Level of Evidence	20
1	SERVICE GROUP - POPULATION-BASED UNIVERSAL SERVICES	22
1.1		22
1.	.1.1 Service Category – Promoting Help Seeking Behaviours	23
	1.1.1.1 Service Element – Mass Promotion	23
1.	1.2 Service Category – Promoting Help Seeking Attitudes	24
	1.1.2.1 Service Element – Mass Promotion	24
	1.1.1.2 Service Element – Structured Psycho Education	26
	Service Activity – Structured Psycho Education – In person	26
1	Service Activity – Structured Psycho Education – Online .1.3 Service Category – Enhancing Community Attitudes and Stigma Reduction	27 28
1.	1.1.3.1 Service Element – Contact with People with Mental Illness	28
	1.1.3.2 Service Element – Contact with People with Mental liness 1.1.3.2 Service Element – Intensive Educational Interventions	30
	1.1.3.3 Service Element – Mass Promotion/Advertising Campaigns	31
	1.1.3.4 Service Element – Enhancing First Aid Behaviours	32
1	.1.4 Service Category – Promoting Mental Wellbeing	33
1.	1.1.4.1 Service Element – Social and Emotional Learning	33
	1.1.4.2 Service Element – Positive Psychology	34
1	.1.5 Service Category – Reduction of Bullying and Cyber Bullying	35
	1.1.5.1 Service Element – Whole of School Approach	35
1.	1.6 Other Service Elements reviewed but not included in this Service Stream due to evidence level	36
	1.7 References used for this Service Stream	41
	Service Stream – Mental Health Prevention	43
1.	.2.1 Service Category – Prevention of Suicide, Suicide Ideation and Behaviour	44
	1.2.1.1 Service Element – Restriction to Means	44
	1.2.1.2 Service Element – Gate Keeper Training (Professional)	45
7	Service Activity – Gatekeeper Training (Non-medical professionals)	45
27	1.2.1.3 Service Element – Responsible Reporting in Media	46
	Service Activity – Responsible Reporting in the Media about Suicide – Effect on Media Reporting	46
	Service Activity – Responsible Reporting in the Media about Suicide – Effect on Imitative Suicide Rates	47
	1.2.1.4 Service Element – Web Based Programs for Preventing Suicide Ideation	49
	Service Activity –CBT – all ages	49
	1.2.1.5 Service Element – Crisis Intervention (Telephone and Internet Helplines)	52
4	Service Activity – Community Crisis Intervention Telephone Helplines	52
1.	2.2 Service Category – Prevention of Depression and Anxiety	54
	1.2.2.1 Service Element: Indicated Prevention (Screening and Intervention)	54
	Service Activity – School-Based- Anxiety (7-17 yrs)	54
	Service Activity – School-based-Depression (5-18 vrs)	54

Service Activity – Parent Training and Family Strengthening (pre-school) Service Activity – General Adults – CBT (Group, individual) - Depression Service Activity – General Adults – CBT (web-based) – Depression 1.2.2.2 Service Element: Universal Prevention Service Activity – School-Based (primary) CBT- Anxiety (7-13 yrs) Service Activity – School-based (Primary) – CBT Depression (5-19 yrs) Service Activity – School-based (Teenage) – CBT Anxiety (12-17 yrs) Service Activity – School-based (Teenage) – CBT Depression (5-19 yrs) Service Activity – School-based (Primary) – CBT Anxiety (12-17 yrs) 1.2.3 Other Service Elements reviewed but not included in the Suicide/ Depression/ Anxiety Prevention Categories due to evidence level 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising Service Activity - Parent Management Training	54 55 57 57 57 57 57 57
Service Activity – General Adults – CBT (web-based) – Depression 1.2.2.2 Service Element: Universal Prevention Service Activity – School-Based (primary) CBT- Anxiety (7-13 yrs) Service Activity – School-based (Primary) – CBT Depression (5-19 yrs) Service Activity – School-based (Teenage) – CBT Anxiety (12-17 yrs) Service Activity – School-based (Teenage) – CBT Depression (5-19 yrs) Service Activity – School-based (Primary) – CBT Anxiety (12-17 yrs) 1.2.3 Other Service Elements reviewed but not included in the Suicide/ Depression/ Anxiety Prevention Categories due to evidence level 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training	55 57 57 57 57 57 57
 1.2.2.2 Service Element: Universal Prevention Service Activity – School-Based (primary) CBT- Anxiety (7-13 yrs) Service Activity – School-based (Primary) – CBT Depression (5-19 yrs) Service Activity – School-based (Teenage) – CBT Anxiety (12-17 yrs) Service Activity – School-based (Teenage) – CBT Depression (5-19 yrs) Service Activity – School-based (Primary) – CBT Anxiety (12-17 yrs) 1.2.3 Other Service Elements reviewed but not included in the Suicide/ Depression/ Anxiety Prevention Categories due to evidence level 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training 	57 57 57 57 57 57
Service Activity – School-Based (primary) CBT- Anxiety (7-13 yrs) Service Activity – School-based (Primary) – CBT Depression (5-19 yrs) Service Activity – School-based (Teenage) – CBT Anxiety (12-17 yrs) Service Activity – School-based (Teenage) – CBT Depression (5-19 yrs) Service Activity – School-based (Primary) – CBT Anxiety (12-17 yrs) 1.2.3 Other Service Elements reviewed but not included in the Suicide/ Depression/ Anxiety Prevention Categories due to evidence level 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training	57 57 57 57 57
Service Activity – School-based (Primary) – CBT Depression (5-19 yrs) Service Activity – School-based (Teenage) – CBT Anxiety (12-17 yrs) Service Activity – School-based (Teenage) – CBT Depression (5-19 yrs) Service Activity – School-based (Primary) – CBT Anxiety (12-17 yrs) 1.2.3 Other Service Elements reviewed but not included in the Suicide/ Depression/ Anxiety Prevention Categories due to evidence level 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training	57 57 57 57 n
Service Activity – School-based (Teenage) – CBT Anxiety (12-17 yrs) Service Activity – School-based (Teenage) – CBT Depression (5-19 yrs) Service Activity – School-based (Primary) – CBT Anxiety (12-17 yrs) 1.2.3 Other Service Elements reviewed but not included in the Suicide/ Depression/ Anxiety Prevention Categories due to evidence level 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training	57 57 57 n
Service Activity – School-based (Teenage) – CBT Depression (5-19 yrs) Service Activity – School-based (Primary) – CBT Anxiety (12-17 yrs) 1.2.3 Other Service Elements reviewed but not included in the Suicide/ Depression/ Anxiety Prevention Categories due to evidence level 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training	57 57 n
Service Activity – School-based (Primary) – CBT Anxiety (12-17 yrs) 1.2.3 Other Service Elements reviewed but not included in the Suicide/ Depression/ Anxiety Prevention Categories due to evidence level 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training	57 n
 1.2.3 Other Service Elements reviewed but not included in the Suicide/ Depression/ Anxiety Prevention Categories due to evidence level 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training 	n S
Categories due to evidence level 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training	
 1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories 1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training 	59
1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising 1.2.5.1 Service Element - Multi-Level Behavioural Parent Training	
1.2.5.1 Service Element - Multi-Level Behavioural Parent Training	76
	g 80
Service Activity - Parent Management Training	80
	80
Service Activity - Multidimensional Treatment Foster Care	81
1.2.5.2 Service Element - School-Based Intervention Programs (Universal)	82
1.2.5.3 Service Element - School-Based Intervention Programs (Indicated)	83
1.2.5.4 References for this Category	84
1.2.6 Service Category - Prevention of Eating Disorders and Body Image Problems	85
1.2.6.1 Theoretical Framework – Risk Factor Approach	85
1.2.6.2 Service Element – School-based Programs	88
1.2.6.3 Service Element – University-based Programs	90
1.2.6.4 Service Element – Community-based Programs	91
1.2.6.5 Additional notes for this Category	92
1.2.6.6 References for this Category	93
1.2.7 Service Category - Prevention of PTSD	96
1.2.7.1 Service Element - Prevention of Post-Event Pathology from Post-Event Intervention for Thos	
Demonstrate Vulnerability.	96
1.2.7.2 Other Service Elements for this Category reviewed but not included due to evidence level	97
1.2.7.3 References for this Category	100
ZIZING Mererendes for time dategory	
2 SERVICE GROUP – SERVICES TAILORED TO INDIVIDUAL NEEDS	
	103
	103
2.1 Service Stream – Primary and Specialised Clinical Ambulatory Mental Health Care Services	103
2.1.1 Service Category – Case Finding	103 105
	103
2.1.1 Service Category – Case Finding 2.1.1.1 Service Element – Case Finding 2.1.2 Service Category – Assessment	103 105
2.1.1 Service Category – Case Finding 2.1.1.1 Service Element – Case Finding	103 105 105
2.1.1 Service Category – Case Finding 2.1.1.1 Service Element – Case Finding 2.1.2 Service Category – Assessment	103 105 105 106
 2.1.1 Service Category – Case Finding 2.1.1.1 Service Element – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 	103 105 105 106 107
 2.1.1 Service Category – Case Finding 2.1.1.1 Service Element – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 	103 105 105 106 107 108
 2.1.1 Service Category – Case Finding 2.1.1.1 Service Element – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 	103 105 105 106 107 108 109
 2.1.1 Service Category – Case Finding 2.1.1.1 Service Element – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 	103 105 105 106 107 108 109
 2.1.1 Service Category – Case Finding 2.1.1.1 Service Element – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment - Other 	103 105 105 106 107 108 109 110
 2.1.1 Service Category – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment - Other 2.1.3 Service Category – Acute Care Services 	103 105 105 106 107 108 109 110 111
 2.1.1 Service Category – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment - Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services 	103 105 105 106 107 108 109 110 111 112
 2.1.1 Service Category – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment - Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services Service Element – Acute Care Services – Staffing Profile 	103 105 105 106 107 108 109 110 111 112 112
 2.1.1 Service Category – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment - Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services Service Element – Acute Care Services – Staffing Profile 2.1.4 Service Category – Consultation Liaison 	103 105 105 106 107 108 109 110 111 112 112 114
 2.1.1 Service Category – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment - Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services Service Element – Acute Care Services – Staffing Profile 2.1.4 Service Category – Consultation Liaison 2.1.4.1 Service Element – Consultation Liaison – General (Hospital) 	103 105 105 106 107 108 109 110 111 112 114 116 116
 2.1.1 Service Category – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment - Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services Service Element – Acute Care Services – Staffing Profile 2.1.4 Service Category – Consultation Liaison – General (Hospital) Service Element – Consultation Liaison – General (Hospital) – Staffing Profile 	103 105 105 106 107 108 109 110 111 112 114 116 116
 2.1.1 Service Category – Case Finding 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Brief Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment – Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services 2.1.4 Service Element – Acute Care Services 2.1.5 Service Element – Consultation Liaison 2.1.6 Service Category – Consultation Liaison – General (Hospital) Service Element – Consultation Liaison – General (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) 	103 105 105 106 107 108 109 110 111 112 114 116 116 117 119
 2.1.1 Service Category – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment – Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services Service Element – Acute Care Services – Staffing Profile 2.1.4 Service Category – Consultation Liaison 2.1.4.1 Service Element – Consultation Liaison – General (Hospital) Service Element – Consultation Liaison – General (Hospital) – Staffing Profile 2.1.4.2 Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) – Staffing Profile 2.1.4.2 Service Element – Consultation Liaison – Emergency Department (Hospital) – Staffing Profile 2.1.5 Service Category– Intensive Community Treatment Service 	103 105 105 106 107 108 109 110 111 112 114 116 116 117 119
 2.1.1 Service Category – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment - Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services Service Element – Acute Care Services – Staffing Profile 2.1.4 Service Category – Consultation Liaison 2.1.4.1 Service Element – Consultation Liaison – General (Hospital) Service Element – Consultation Liaison – General (Hospital) – Staffing Profile 2.1.4.2 Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) – Staffing Profile 2.1.5 Service Category – Intensive Community Treatment Service 	103 105 105 106 107 108 109 110 111 112 114 116 116 117 119 121
 2.1.1 Service Category – Case Finding 2.1.2.1 Service Category – Assessment 2.1.2.2 Service Element – Brief Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment - Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services 2.1.4 Service Element – Acute Care Services 2.1.4 Service Category – Consultation Liaison 2.1.4.1 Service Element – Consultation Liaison – General (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Intensive Community Treatment Team – C and A - 0 - 17 years 2.1.5.2 Service Element – Intensive Community Treatment Team – C and A - 0 - 17 years 2.1.5.2 Service Element – Intensive Community Treatment Team – Adult - 18 - 64 years 	103 105 106 107 108 109 110 111 112 114 116 116 117 119 121 123 123
 2.1.1 Service Category – Case Finding 2.1.1.1 Service Element – Case Finding 2.1.2 Service Category – Assessment 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Comprehensive Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Physical Assessment 2.1.2.5 Service Element – Assessment - Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services Service Element – Acute Care Services – Staffing Profile 2.1.4 Service Category – Consultation Liaison 2.1.4.1 Service Element – Consultation Liaison – General (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) – Staffing Profile 2.1.5 Service Category – Intensive Community Treatment Service 2.1.5.1 Service Element – Intensive Community Treatment Team – C and A - 0 - 17 years 2.1.5.2 Service Element – Intensive Community Treatment Team – Adult - 18 - 64 years 	103 105 105 106 107 108 109 110 111 112 114 116 116 117 119 121 123 123
 2.1.1 Service Category – Case Finding 2.1.2.1 Service Element – Brief Mental Health Assessment 2.1.2.2 Service Element – Brief Mental Health Assessment 2.1.2.3 Service Element – Brief Physical Assessment 2.1.2.4 Service Element – Comprehensive Mental Health Assessment 2.1.2.5 Service Element – Assessment - Other 2.1.3 Service Category – Acute Care Services 2.1.3.1 Service Element – Acute Care Services 2.1.4 Service Element – Acute Care Services 2.1.4 Service Category – Consultation Liaison 2.1.4.1 Service Element – Consultation Liaison – General (Hospital) Service Element – Consultation Liaison – General (Hospital) – Staffing Profile 2.1.4.2 Service Element – Consultation Liaison – Emergency Department (Hospital) Service Element – Consultation Liaison – Emergency Department (Hospital) – Staffing Profile 2.1.5 Service Category – Intensive Community Treatment Service 2.1.5.1 Service Element – Intensive Community Treatment Team – C and A - 0 - 17 years 2.1.5.2 Service Element – Intensive Community Treatment Team – Adult - 18 - 64 years 2.1.5.3 Service Element – Intensive Community Treatment Team – Older Adult 65+ years 	103 105 105 106 107 108 109 110 111 112 114 116 117 119 121 123 123 123

2.1.6 Service Category – Day Program	131
2.1.6.1 Service Element – Day Program Team – C and A 0 - 17 years	131
2.1.6.2 Service Element – Day Program Team - Adult - 18 - 64 years	131
Service Element – Day Program Team – C and A – Staffing Profile	133
Service Element – Day Program Team - Adult – Staffing Profile	134
2.1.7 Service Category – Monitoring and Ongoing Management	137
2.1.7.1 Service Element – Centre Based Monitoring and Ongoing Management	137
2.1.7.2 Service Element – Home Based Monitoring and Ongoing Management	137
2.1.7.3 Service Element – General Physical Health Monitoring and Ongoing Management	137
2.1.8 Service Category – Care Coordination and Liaison	138
2.1.8.1 Service Element – Care Coordination and Liaison	138
2.1.8.2 Service Element – Medico Legal Coordination and Liaison	139
2.1.9 Service Category – Structured Psychological Therapies	140
2.1.9.1 Service Element – SPT Ultra Brief Intervention – Individual	141
2.1.9.2 Service Element – SPT Therapy: Brief Intervention - Individual	141
2.1.9.3 Service Element – SPT Brief Intervention - Family	141
2.1.9.4 Service Element – SPT Extended Intervention - Individual	141
2.1.9.5 Service Element – SPT Extended Intervention - Family	141
2.1.9.6 Service Element – SPT Extended Intervention - Group	142
2.1.10 Service Category – Clinician Led Web-based Psychological Interventions	143
2.1.10.1 Service Element – Clinician Led Web-based Psychological Interventions	143
2.1.11 Service Category – Specialist Clinical Interventions – Other	144
2.1.11.1 Service Element – Specialist Clinical Interventions – Other	144
2.1.12 Service Category – Physical Therapies	145
2.1.12.1 Service Element – Transcranial Magnetic Stimulation (TMS)	145
2.1.12.2 Service Activity – Other Evidence Based Physical Therapies	146
2.1.13 Service Category— Pharmacotherapy	147
2.1.13.1 Service Element – Pharmacotherapy Prescription	147
2.1.13.2 Service Element – Pharmacotherapy Review	147
2.1.14 Individual Practitioner Staffing Profiles for this Service Stream	148
2.1.14.1 Mild and Moderate Care Packages	148
2.1.14.2 Severe Care Packages	149
2.1.15 Service Category and Element removed from this Service Stream	150
2.2 Service Stream – Specialised Mental Health Community Support Services	152
2.2.1 Service Category – Group Support and Rehabilitation Services	154
2.2.1.1 Service Element – Group Support and Rehabilitation	155
Service Activity – Group Support and Rehab linked to accessing and maintaining safe and secure housing	
including practical skills for maintaining a home and living well	156
Service Activity – Group Support and Rehab linked to early childhood, education and/or employment	157
Service Activity – Group Support and Rehab linked to enhanced relationships and social participation	158
Service Activity – Group Support and Rehab linked to navigating the primary and mental health care system	
Service Activity – Group Support and Rehab – Staffing Profile	161
2.2.1.2 Service Element – Group Based Peer Work	163
Service Activity – Group Based Peer Work (Moderate and Severe)	164
Service Activity – Group Based Carer Peer Work (Moderate and Severe)	165
Service Activity – Group Based Peer Work - Staffing Profiles	166 174
2.2.2 Service Category – Individual Support and Rehabilitation Services 2.2.2.1 Service Element – Individual Support and Rehabilitation	176
2.2.2.1 Service Element – Individual Support and Rehabilitation Service Activity – Individual Support and Rehab linked to accessing and maintaining safe and secure housir	
including practical skills for maintaining a home and living well	יפ 178
Service Activity – Individual Support and Rehab linked to early childhood, education and/or employment	180
Service Activity – Individual Support and Rehab linked to enhanced relationships and social participation	181
Service Activity – Individual Support and Rehab linked to health management services	182
Service Activity – Individual support and Rehab linked to Community Aged Care	183
Service Activity – Flexible Funding Pool – Consumer	183
Service Activity - Individual support and Rehab – Staffing Profile	184
2.2.2 Service Flement – Individual Peer Work	186

	JCI VICC	Activity – Individual Peer Work	187
	Service	Activity – Individual Carer Peer Work	188
2.		ice Category – Other Residential Services	190
	2.2.3.1	Service Element – Residential Crisis and Respite Services	191
	Service	Element – Residential Crisis and Respite Services – Staffing Profile	193
2		ice Category – Family and Carer Support	195
	2.2.4.1	Service Element – Flexible Respite	196
		Element – Flexible Respite – Staffing Profile	198
	2.2.4.2	Service Element – Day Respite	200
		Element – Day Respite – Staffing Profile	201
	2.2.4.3	Service Element – Family Support Services	203
	_	· · · · · /	
		Activity – Family Support	203
		Element – Family Support Services – Staffing Profile	206
	2.2.4.4	Service Element – Group Carer Support Services	208
		Activity – Group Carer Support linked to accessing and maintaining safe and secure housing inclu	_
	•	al skills for maintaining a home and living well	209
		Activity – Group Carer Support linked to education and/or employment	210
		Activity – Group Carer Support linked to enhanced relationships and social participation	211
		Activity – Group Carer Support linked to health management	212
		Element – Group Carer Support Services – Staffing Profile	214
	2.2.4.5	Service Element – Individual Carer Support Services	216
		Activity – Individual Carer Support linked to accessing and maintaining safe and secure housing	
		ng practical skills for maintaining a home and living well	217
		Activity – Individual Carer Support linked to education and/or employment	218
	Service	Activity – Individual Carer Support linked to enhanced relationships and social participation	220
	Service	Activity – Individual Carer Support linked to health management	221
	Service	Activity – Flexible Funding Pool – Carer	222
	Service	Activity – Individual Carer Support Services – Staffing Profile	223
		.0	
2.3	Service St	ream – Specialised Bed-Based Mental Health care Services	225
		-	
2.		ice Category – Acute Inpatient Services (Hospital Based)	226
2.	2.3.1.1	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital)	226 227
2.	2.3.1.1 Service	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile	226 227 228
2.	2.3.1.1 Service 2.3.1.2	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital)	226 227 228 230
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital)	226 227 228
2.	2.3.1.1 Service 2.3.1.2	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital)	226 227 228 230
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital)	226 227 228 230 230
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile	226 227 228 230 230 230
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital)	226 227 228 230 230 230 230
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile	226 227 228 230 230 230 230 232
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile	226 227 228 230 230 230 230 232 234
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile	226 227 228 230 230 230 230 232 234 236
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service Service 2.3.1.6	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile	226 227 228 230 230 230 232 234 236 238
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service Service Service Service Service Service	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital)	226 227 228 230 230 230 232 234 236 238 240
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile	226 227 228 230 230 230 232 234 236 238 240 241
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile	226 227 228 230 230 230 232 234 236 238 240 241 243
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile	226 227 228 230 230 230 232 234 236 238 240 241 243
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8	Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital)	226 227 228 230 230 230 232 234 236 238 240 241 243 244 246
2.	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8 Service 2.3.1.8	Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit – Staffing Profile	226 227 228 230 230 230 232 234 236 241 243 244 246 247
	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8 Service 2.3.1.9 Service	Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital)	226 227 228 230 230 230 232 234 236 238 240 241 243 244 246 247 249
	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8 Service 2.3.1.9 Service	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Same day admission for the administration of ECT (Hospital) Element – Same day admission for the administration of ECT – Staffing Profile	226 227 228 230 230 230 232 234 236 241 243 244 246 247 249 250
	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8 Service 2.3.1.9 Service 3.2 Serv 2.3.2.1	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit – Staffing Profile Service Element – Same day admission for the administration of ECT (Hospital) Element – Same day admission for the administration of ECT – Staffing Profile ice Category – Sub-Acute Services (Residential and Hospital or Nursing Home Based)	226 227 228 230 230 230 232 234 236 241 243 244 246 247 249 250 252
	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8 Service 2.3.1.9 Service 3.2 Serv 2.3.2.1	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Same day admission for the administration of ECT (Hospital) Element – Same day admission for the administration of ECT (Hospital) Element – Same day admission for the administration of Nursing Home Based) Service Element – Step Up/Step Down – Youth (Residential)	226 227 228 230 230 230 232 234 236 241 243 244 246 247 249 250 252
	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8 Service 2.3.1.9 Service 2.3.1.9 Service 3.2 Serv 2.3.2.1 Service 2.3.2.2	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Same day admission for the administration of ECT (Hospital) Element – Same day admission for the administration of ECT (Hospital) Element – Same day admission for the administration of Nursing Home Based) Service Element – Step Up/Step Down – Youth (Residential) Element – Step Up/Step Down – Youth – Staffing Profile	226 227 228 230 230 230 232 234 236 241 243 244 246 247 249 250 255 256
	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8 Service 2.3.1.9 Service 2.3.1.9 Service 3.2 Serv 2.3.2.1 Service 2.3.2.2	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Same day admission for the administration of ECT (Hospital) Element – Same day admission for the administration of ECT – Staffing Profile Service Element – Same day admission for the administration of Nursing Home Based) Service Element – Step Up/Step Down – Youth (Residential) Element – Step Up/Step Down – Youth – Staffing Profile	226 227 228 230 230 230 232 234 236 238 240 241 243 244 246 247 249 250 255 256 258
	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8 Service 2.3.1.9 Service 3.2 Serv 2.3.2.1 Service 2.3.2.1 Service 2.3.2.3	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders - Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit – Staffing Profile Service Element – Same day admission for the administration of ECT (Hospital) Element – Same day admission for the administration of ECT – Staffing Profile ice Category – Sub-Acute Services (Residential and Hospital or Nursing Home Based) Service Element – Step Up/Step Down – Youth (Residential) Element – Step Up/Step Down – Youth – Staffing Profile Service Element – Step Up/Step Down – Adult (Residential) Element – Step Up/Step Down – Adult – Staffing Profile	226 227 228 230 230 230 232 234 236 241 243 244 246 247 249 250 252 255 256 258
	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8 Service 2.3.1.9 Service 3.2 Serv 2.3.2.1 Service 2.3.2.1 Service 2.3.2.3	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD – Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit – Staffing Profile Service Element – Same day admission for the administration of ECT (Hospital) Element – Same day admission for the administration of ECT staffing Profile ice Category – Sub-Acute Services (Residential and Hospital or Nursing Home Based) Service Element – Step Up/Step Down – Youth (Residential) Element – Step Up/Step Down – Youth (Residential) Element – Step Up/Step Down – Adult - Staffing Profile Service Element – Step Up/Step Down – Adult (Residential)	226 227 228 230 230 230 232 234 236 241 243 244 246 247 249 250 255 256 258 259 261
	2.3.1.1 Service 2.3.1.2 2.3.1.3 2.3.1.4 2.3.1.5 Service Service Service 2.3.1.6 Service 2.3.1.7 Service 2.3.1.8 Service 2.3.1.9 Service 2.3.2.1 Service 2.3.2.1 Service 2.3.2.1 Service 2.3.2.1 Service 2.3.2.2 Service 2.3.2.3 Service 2.3.2.4	ice Category – Acute Inpatient Services (Hospital Based) Service Element – Acute – Perinatal and Infant Mental Health (Hospital) Element – Acute – Perinatal and Infant Mental Health – Staffing Profile Service Element – Acute – Child and Youth (0-17 years) (Hospital) Service Element – Acute – Adult (18-64 years) (Hospital) Service Element – Acute – Older Adult (65+ years BPSD) (Hospital) Service Element – Acute – Older Adult (65+ years) (Hospital) Element – Acute – Child and Youth – Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Adult - Staffing Profile Element – Acute – Older Adult BPSD - Staffing Profile Element – Acute – Older Adult - Staffing Profile Service Element – Acute – Adult Eating Disorders (Hospital) Element – Acute – Adult Eating Disorders – Staffing Profile Service Element – Acute – Intensive Care Unit (Hospital) Element – Acute – Intensive Care Unit – Staffing Profile Service Element – Acute – Psychiatric Emergency Care Unit (Hospital) Element – Acute – Psychiatric Emergency Care Unit – Staffing Profile Service Element – Same day admission for the administration of ECT (Hospital) Element – Same day admission for the administration of ECT – Staffing Profile ice Category – Sub-Acute Services (Residential and Hospital or Nursing Home Based) Service Element – Step Up/Step Down – Youth (Residential) Element – Step Up/Step Down – Youth – Staffing Profile Service Element – Step Up/Step Down – Adult (Residential) Element – Step Up/Step Down – Adult – Staffing Profile Service Element – Rehabilitation – Adult and Older Adult (Residential)	226 227 228 230 230 230 232 234 236 241 243 244 246 247 249 250 252 255 256 258 259 261 263

	2.3.	.2.5	Service Element – Sub-Acute Intensive Care Service (Hospital)	268
	S	Service	e Element – Sub-Acute Intensive Care Service – Staffing Profile	269
	2.3.3 Based		rice Category – Non-Acute Extended Treatment Services (Residential and Hospital or Nursing	Home
	2.3.	.3.1	Service Element – Non-Acute – Intensive Care Service (Hospital)	273
	S	Service	e Element – Non-Acute – Intensive Care Service – Staffing Profile	274
	2.3.	.3.2	Service Element – Non-Acute -Intensive Care Service – Older Adult (65+) (Hospital Based)	276
	S	Service	e Element – Non-Acute -Intensive Care Service – Older Adult – Staffing Profile	277
		.3.3	Service Element – Non-Acute – Adult and Older Adult (24 Hour Support) (Residential)	279
	S	Service	e Element – Non-Acute – Adult and Older Adult (24 Hour Support) – Staffing Profile	281
		.3.4	Service Element - Non-Acute - Older Adult (Hospital/Nursing Home Based)	283
	S	Service	Element – Non-Acute – Older Adult – Staffing Profile	284
	2.3.	.3.5	Service Element – Non-Acute – Specialised Services (Hospital/Nursing Home Based)	286
	S	Service	e Element – Non-Acute – Specialised Services – Staffing Profile	287
2	.4 Ser	vice S	tream – Medications	289
	2.4.1	Serv	rice Category – Antidepressants	290
	2.4.2		vice Category – Anxiolytics	290
	2.4.3		vice Category – Sedatives	290
	2.4.4		vice Category – ADHD medications	290
	2.4.5		rice Category – Antipsychotics	291
	2.4.6		rice Category – Mood stabilisers	291
2	.5 Ser	vice S	tream – Non Mental Health Care Services	292
	2.5.1		vice Category – Specialised Bed-Based Non Mental Health care Services	293
		.1.1	Service Element – Acute – Medical/Surgical Bed (Hospital, non-MH)	293
		.1.2	Service Element – Acute – Paediatric Bed (Hospital, non-MH)	293
		.1.3	Service Element – Non-Acute – Adult (<24 hour support) (Residential)(non-MH)	293
,	DDEN	. D. 137	4 DEVELOPMADA A COMMEDIA DEMENTIC DEVICE FOR MAI A A	204
F	APPEN	IDIX	1 -PSYCHOPHARMACOTHERAPEUTIC DRUGS FOR THE MHIC 1.0	294
			EK, NO	
			CONFIDENCE	
		71		
	. <			
	b,			
	~			
~				

A. INTRODUCTION

As the building blocks for care packages, it is important to try and establish a 'standard' range of service elements that reasonably reflect the core service components of the mental health service system. Developing this service framework will not only summarise an agreed range of core service types, but will also result in the development of a consistent language across Australia when describing services.

To inform the development of this service framework, the National Mental Health Service Planning Framework (NMHSPF) Project Team conducted a jurisdictional survey of service elements and key data indicators in late 2011. The purpose of the service mapping process was to firstly map the range of services currently provided by jurisdictions, including where possible, data measures of the services that will further help identify similarities or differences between services. The secondary purpose of the process was to develop a common language across all jurisdictions in relation to services provided.

Initial descriptions for each service element were sourced from the following key documents in use in Queensland and New South Wales:

- Siskind, D., Harris, M., Buckingham, B., Pirkis, J. and Whiteford, H. (2011) Planning Estimates for the Mental Health Community Support Sector, Queensland Centre for Mental Health Research, Brisbane.
- NSW Health (2009) Service Element Definitions from the Appendices of the *MH-CCP Version* 2.008c Discussion Document, NSW Health, Sydney.
- Queensland Health (2010) Models of Service (various) for Queensland Public Mental Health Services, Brisbane.

Since that time, the content has been modified with more defined boundaries and relationships between elements. The current NMHSPF Taxonomy of mental health service elements is detailed in the following Section (B) and is structured as shown in Figure 1.

Figure 1: Overview of the NMHSPF Taxonomy structure



B. TAXONOMY OF SERVICE ELEMENTS

The NMHSPF Taxonomy, or classification, for mental health care describes the full range of services required in a comprehensive mental health system. The Taxonomy spans the care provision from promotion and prevention services through to primary and specialist mental health care. The Taxonomy is simply a classification system and although it is divided into 'Service Streams' for convenience, there is absolutely NO intention for this to be construed as to be supporting any particular sector or format for these services to be provided. The NMHSPF is very much limited to 'function' and 'resources' and not the provider or service environment in which function may be performed.

Flowing from the Taxonomy are descriptions of service elements and their activities to ensure clarity on the scope and function of each item in the Taxonomy. The descriptions are both quantitative and qualitative in nature and allow future users to understand the context of each element and activity and the resources estimated for those functions.

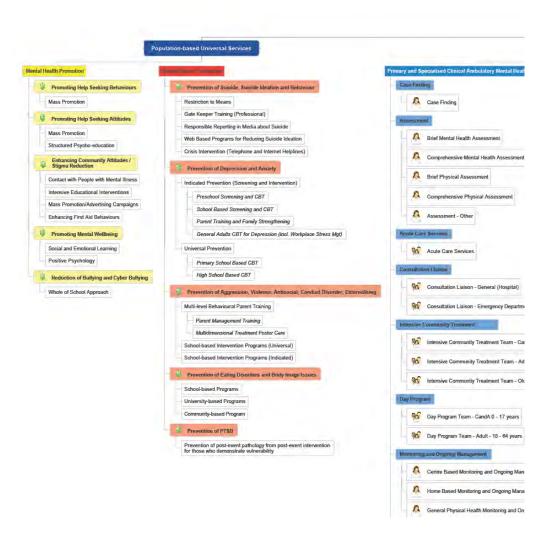
The current NMHSPF Taxonomy of mental health service elements is shown in Figure 2.

The following is example is used to provide explanation of the Taxonomy structure:

Taxonomy Structure	Example
Service Group	Services Tailored to Individual Needs
Service Stream	Specialised Mental Health Community Support Services
Service Category	Individual Support and Rehabilitation Services
Service Element	Individual Support and Rehabilitation
Service Activity	Individual Support and Rehab linked to accessing and maintaining safe and secure housing including practical skills for maintaining a home and living well
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EXHIBIT 233
NMHSPF: Service Element and Activity Descriptions

Figure 2: The NMHSPF Taxonomy



C. MODELLING SERVICE ELEMENTS USING INDIVIDUAL PROVIDERS



For ease of modelling, there are some Service Elements that are amenable to being described as a set of one-to-one encounters of various durations with peer workers, doctors, nurses, psychologists, social workers and other appropriately qualified staff. When care packages are developed in this way, all we need is a model of how many hours can be expected from each provider, to know how many providers need to be paid (by someone) to do the job.

Service Elements modelled as individual providers are identified in the Taxonomy with the image shown above.

D. MODELLING SERVICE ELEMENTS USING TEAMS





For ease of modelling, there are some Service Elements that are amenable to being described in groups or teams of providers. Providers may be grouped together to staff a particular type of facility or service (for example: Individual Support and Rehabilitation in a community setting; a Child acute inpatient unit in a hospital; a structured community-based team which provides ambulatory care). For each of these team based Service Elements the following have been determined wherever possible:

- Staffing profile
- FTE per place
- Average Case Load
- Average treatment days per quarter
- Hours.

Service Elements modelled as teams are identified in the Taxonomy with the images shown above, with blue referring to bed-based service teams and white to all other service teams.

E. MODELLING SERVICE ELEMENTS USING DOLLARS



For modelling purposes, there are some Service Elements that **are not** amenable to being easily and consistently described in terms of individual providers or teams, and quantification of these Service Elements in other terms (e.g. dosage of medicines) is too complex for this stage of the development of the NMHSPF. Therefore, to ensure that all Service Elements are included in the resource outputs of the model, the Modelling Group has decided to express these Service Elements in terms of a dollar (\$) price.

Service Elements modelled in dollar terms are identified in the Taxonomy with the image shown above.

F. MODELLING SERVICE ELEMENTS THAT ARE NOT PART OF THE MENTAL HEALTH SERVICE SYSTEM



The Scope of the NMHSPF Project was limited to the Mental Health Service System. There are some Service Elements that are not part of the Mental Health Service System that are considered critical for the operation of the System, and therefore should be acknowledged for modelling purposes. Whilst these Service Elements are modelled, they do not contribute to the total Mental Health Service System resource outputs of the model.

Service Elements modelled that are not part of the Mental Health Service System are identified in the Taxonomy with the image shown above.

G. WORKFORCE CATEGORIES

In the early stages of the NMHSPF Project, workforce categories were established to inform the Care Package development. The area of greatest contention included the classification of non-clinical staff, as this workforce area is experiencing a period of dynamic change currently. In consideration of stakeholder feedback and review of current workforce development activity, the following workforce categories and Staff Types were agreed 1:

Table 1 below shows the workforce categories and Staff Types within the NMHSPF model.

Table 1: Workforce Categories and Staff Types

Workforce Categories	Staff Types
Peer Worker	Consumer Peer Worker
	Carer Peer Worker
	MH Worker
Vocationally Qualified	Enrolled Nurse
	Other Vocationally Qualified
	Nurse Practitioner
	Nurse
Tertiary Qualified	Social Worker
	Psychologist
cO.	Occupational Therapist
,0	Other (e.g. Pharmacist)
	GP
	Psychiatrist
Medical	Specialist Other (e.g. geriatricians and paediatricians)
2	Registrar
Ť	Junior Medical Officer

The order of workforce categories emphasises the primary importance of peer work, and the increasing broader role of consumers and carers as outlined in the Fourth National Mental Health Plan.² The overall

Version AUS V1 October 2013 TRIM Ref: H12/35030

Version AUS V1 October 2013

18

¹ Expert Working Group meeting 12 November 2013.

² Australian Health Ministers (2009) Fourth National Mental Health Plan - An agenda for collaborative government action in mental health 2009-2014, Commonwealth of Australia, Canberra.

approach to modelling the workforce in each Care Package item was to identify the particular Staff Type wherever possible. However, where there was no consensus of expert opinion on Staff Type, the higher level Workforce Category was used.

Peer Workers

Consumer and carer roles in the mental health sector are still a rapidly evolving workforce. The NMHSPF has conceptualised consumer and carer roles into two areas: roles that can be performed by consumers and carers; and those that must be performed by consumers and carers.

Roles that must be performed by consumers and carers have been modelled in the context of individual peer work, group based peer work and also included in the staffing profiles for bed based services and specialist ambulatory teams.

Outside of those roles, feedback from consumers, carers and community support service providers advised that all teams should have access to the experience of a peer worker and that it would be inappropriate to nominate one role within the team to a peer worker as it would depend on their qualifications and experience (as with any other mental health worker). Therefore, roles that can be performed by consumers and carers are modelled in the context of staffing profiles with a generic staff mix of tertiary and vocationally qualified staff, where an appropriately trained consumer or carer may fulfil any of those roles, alongside people with other skills, qualifications and experience.

The practical outcome of this approach is that the amount of peer work modelled only represents that which must be performed by peer workers. It is highly desirable for all service settings and teams to have access to and input from an experienced peer worker and so an overall higher ratio of peer work FTE to other FTE is recommended.

More details on the quantum of peer workers modelled can be found in the NMHSPF Technical Manual under Modelling Staff FTE.

Vocationally Qualified Workers

Vocationally Qualified Mental Health Workers are employed in a diversity of roles, with different levels of responsibility. In the current service environment, these workers are largely employed in community support services or as support officers in specialist public and private mental health services. This category also includes the work of Enrolled Nurses. Currently, these workers may or may not have a formal qualification (e.g. Certificate IV in Mental Health) and feedback from stakeholders recognised that experience is still highly regarded.

However, given that the model is based on what 'should be' and after considering the trend towards formal qualification in the workforce, it was agreed to define this workforce as being primarily a non-clinical workforce (that is, not a university trained service provider such as nurse, psychologist, occupational therapist or social worker) with a TAFE level qualification up to Advanced Diploma level in a mental health or related subject area. As per the discussion above, Peer workers with appropriate qualifications are included within the context of Vocationally Qualified Mental Health Workers.

Tertiary Qualified Workers

For the purposes of the NMHSPF, Tertiary Qualified workers are those that are university trained (or equivalent) with a minimum 3 year Bachelor degree in a discipline related to mental health care. This category largely performs a specialist function. The most common professions modelled include nurses, psychologists, social workers and occupational therapists.

'Tertiary Qualified – Other' includes other professional care such as physiotherapy, speech therapy, pharmacy and professionals assisting with communication issues (not related to cultural background). In the community support sector, there are also tertiary qualified workers who act in the roles of program manager or supervisor who may have a community services related degree that would also be included in the 'Other' category.

The Nurse Practitioner was modelled separately to other nursing roles, as although the numbers are quite low, they have a different cost. Similarly, in keeping with the level of qualification between vocationally qualified and tertiary qualified workers, Enrolled Nurses fit in the category of Vocationally Qualified workers.

Medical Workforce

The NMHSPF models two professionals in the medical workforce: General Practitioner (GP) and Psychiatrist. Significant discussion was conducted around the costs between trainee psychiatrists, junior medical officers and registrars. Because of the impact of supervision and workforce development issues, these other medical workers are included only in the context of team based staffing profiles in both the specialist ambulatory and the bed based services. All other interventions that orient towards a single medical practitioner have been allocated to either a GP or Psychiatrist.

Medical students are not included anywhere in the modelling as they are not paid, are supernumerary to the modelled workforce and their supervision requirements are incorporated in the context of overhead costs for the service.

H. CLASSIFICATION OF LEVEL OF EVIDENCE

The approach to the classification of evidence was drawn from the research by Mihalopoulos et al (2011) and was modified for the purposes of the NMHSPF Project. The approach will be applied to all service elements. Members noted that international evidence may not be easily generalised to the Australian service environment and to consider this in attributing the rating for level of evidence.

Members noted that the levels of evidence were not hierarchical in nature, but were rather just ways of categorising the strength of the evidence. Evidence often exists in the context of efficacy of interventions, but not necessarily on the prevalence or population to which it applies.

Table 2: National Mental Health Service Planning Framework (NMHSPF) – Classifying the level of evidence in support of service elements and care package development (adapted from Mihalopoulos et al (2011)³)

et ai (2011))		73
Level	Description	Detail
1.*	"Sufficient	Effectiveness is demonstrated by sufficient evidence from well designed
	evidence of	research:
	Effectiveness"	a) The effect is unlikely to be due to chance (e.g. P<0.05), and
		b) The effect is unlikely to be due to bias, e.g. evidence from ⁴ :
		, ,
		- a level I study design;
		- several good-quality level II studies; or
	1	- several high quality level III-1 or III-2 studies from which effects of bias and
		confounding can be reasonably excluded on the basis of the design and
		analysis.
		analysis.

Version AUS V1 October 2013 TRIM Ref: H12/35030 20

Mihalopoulos, C., Vos, T;, Pirkis, J and Carter, R. (2011) "The Economic Analysis of Prevention in Mental Health Programs", Annual Review of Clinical Psychology 2011. 7:169–201

⁴ The evidence classifications below are based on those of the Natl. Med. Res. Counc. (2000).

I: evidence obtained from a systematic review of all relevant randomized controlled trials...

II: evidence obtained from at least one properly designed randomized controlled trial.

III-1: evidence obtained from well-designed pseudo-randomized controlled trials (alternate allocation or some other method)

III-2: evidence obtained from comparative studied with concurrent controls and allocation not randomized (cohort studies), case-control studies, or interrupted time series with a control group.

III-3: evidence obtained from comparative studies with historical control, two or more single-arm studies, or interrupted time series without a parallel Control group.

IV: evidence obtained from either pretest or posttest case series.

Source: Table is based on Habyt et al.(2006).

Level	Description	Detail
2.*	"Limited evidence of effectiveness"	Effectiveness is demonstrated by limited evidence from studies of varying quality. The effect is probably not due to change e.g. P< 0.10, but bias – although not certainly an explanation for the effect – cannot be excluded as a possible explanation; e.g. evidence from: a) one level II study of uncertain or indifferent quality; b) evidence from one level III-1 or III-2 study of high quality; c) evidence from several level III-1 or III-2 studies of insufficiently high quality to rule out bias as a possible explanation; or d) evidence from a sizeable number of level III-3 studies that are of good quality and consistent in suggesting an effect.
3.*	"Inconclusive evidence of effectiveness"	Inadequate evidence due to insufficient research or research of inadequate quality. No position could be reached on the presence or absence of an effect of the intervention (e.g. no evidence from level I or level II studies; level III studies are available, but they are few and of poor quality).
4.#	"Likely to be effective"	Effectiveness results are based on: a) Sound theoretical rationale and program logic; and b) Level IV studies, indirect evidence ⁵ or parallel evidence ⁶ for outcomes; or c) Epidemiological modelling to the desired outcome using a mix of evidence types or levels. The effect is unlikely to be due to chance (the final uncertainty interval does not include zero and there is no evidence of systematic bias in the supporting studies). Implementation of this intervention should be accompanied by an appropriate evaluation budget.
5. #	"May be effective"	Effectiveness results are based on: a) Sound theoretical rationale and program logic; or b) Level IV studies, indirect or parallel evidence for outcomes; or c) Epidemiological modelling to the desired outcome using a mix of evidence types or levels. The effect is probably not due to chance, but bias – although not certainly an explanation for the effect – cannot be excluded as a possible explanation. The intervention would benefit from further research and /or pilot studies before implementation.
6. ^	"Consensus of expertise"	Agreement by individuals with expertise in the mental health sector (including consumers, carers, community support workers and clinical workers) sourced from both within and/or external to the Project.
7. #	"No evidence of effectiveness"	No position could be reached on the likely credentials of this intervention. Further research may be warranted.

Version AUS V1 October 2013 TRIM Ref: H12/35030

21

^{*} Conventional approach based on epidemiological study design: Evidence from Level I-II study designs.

* Additional categories utilized in the ACE-Prevention study: evidence from Level IV studies, indirect⁵ or parallel evidence ⁶, and/or from epidemiological modelling using a mixture of study designs.

Added for purposes of the NMHSPF Project.

⁵ Indirect evidence: information that strongly suggests that the evidence exists (eg. A high and continued investment in food advertising is

that there is positive (but proprietary) evidence that food advertisement increases sales of those products (Swinburn et al. 2005).

⁶ Parallel evidence: evidence of intervention effectiveness for another public health issue using similar strategies (eg., the role of social marketing,

1 Service Group - Population-based universal services

1.1 SERVICE STREAM – MENTAL HEALTH PROMOTION

Service Stream		Mental Health Promotion
Service Category	РНВ	Promoting Help Seeking Behaviours
Service Element	PHB1	Mass Promotion
Service Category	PHA	Promoting Help Seeking Attitudes
Service Element	PHA1	Mass Promotion
Service Element	PHA2	Structured Psycho-Education
Service Category	SR	Enhancing Community Attitudes/Stigma Reduction
Service Element	<u>SR1</u>	Contact with People with Mental Illness
Service Element	SR2	Intensive Educational Interventions
Service Element	<u>SR3</u>	Mass Promotion/Advertising Campaigns
Service Element	SR4	Enhancing First Aid Behaviours
Service Category	PMW	Promoting Mental Wellbeing
Service Element	PMW1	Social and Emotional Learning
Service Element	PMW2	Positive Psychology
Service Category	RB	Reduction of Bullying and Cyber Bullying
Service Element	<u>RB1</u>	Whole of School Approach

Promotion has been modelled at Service Category level, and Service Elements and Service Activities have been identified and described where possible.

1.1.1 Service Category - Promoting Help Seeking Behaviours

1.1.1.1 Service Element - Mass Promotion

Attribute	Details
Description	Promoting Help Seeking Behaviours - Mass Promotion
Fundamental Attributes	 Media campaigns, websites, books, brochures, videos, TV ads, billboards, personalities, telephone information services) Depression or 'mental illness' more broadly Psychosis
Service specification	s and suggested modelling attributes
Target Age:	
Target Pop'n Profile	Adults: any affective disorder: 6.2% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43 (7): p. 594-605.] Professional help-seeking: 58.6% of those with affective disorder [Burgess, P.M., et
	al., Service use for mental health problems: findings from the 2007 National Survey of Mental Health and Wellbeing. Aust N Z J Psychiatry, 2009. 43 (7): p. 615-23] Psychosis: 12-month treated prevalence 0.45% [Morgan, V.A., et al., People living with psychotic illness in 2010: the second Australian national survey of psychosis. Australian and New Zealand Journal of Psychiatry, 2012. 46 (8): p. 735-52.]
% Target Pop'n	
Avg contact hours and timeframe per activity (if applic)	From one week to several years
Workforce	
Gross Cost per activity (If applic)	40
Evidence Base	
Level of Evidence:	 < 10% increase in calls to suicide prevention centres and number of admissions to hospital [Dyck, R., Suicide awareness weeks: the outcomes, in Proceedings of the 16th Congress of the International Association for Suicide Prevention1993: Regensburg, Germany.] Treatment seeking in high exposure states (beyondblue) increase by 14.6% vs 6.0% in low exposure states) [Jorm, A.F., H. Christensen, and K.M. Griffiths, The impact of beyondblue: the national depression initiative on the Australian public's recognition of depression and beliefs about treatments. Aust N Z J Psychiatry, 2005. 39(4): p. 248-54.] Increases in help seeking but not in those with depression [Wright, A., et al., Development and evaluation of a youth mental health community awareness campaign - The Compass Strategy. BMC Public Health, 2006. 6: p. 215.] Duration of untreated psychosis (DUP) reduced from 16 to 5 weeks in intervention area [Joa, I., et al., The key to reducing duration of untreated first psychosis: information campaigns. Schizophr Bull, 2008. 34(3): p. 466-72.]
Key Reference:	Dumesnil, H. and P. Verger, <i>Public awareness campaigns about depression and suicide: a review.</i> Psychiatr Serv, 2009. 60 (9): p. 1203-13.
Limitations of Evidence:	 Small effects on help seeking behaviour Longer term (beyond 6 months) effects unclear
Recommendations for future research:	

Vers TRIM Ref: H12/35030

1.1.2 Service Category - Promoting Help Seeking Attitudes

1.1.2.1 Service Element - Mass Promotion

Attribute	Details	
Description	Promoting Help Seeking Attitudes - Mass Promotion	
Fundamental Attributes	 Short media campaigns (TV, booklets) Long national or community programs (Media campaigns, websites, books, brochures, videos, TV ads, billboards, personalities, telephone information services) Depression or 'mental illness' more broadly 	
Service specifications	s and suggested modelling attributes	
Target Age:		
Target Pop'n Profile	Adults: any affective disorder: 6.2% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43(7): p. 594-605.] Professional help-seeking: 58.6% of those with affective disorder (34.9% of those with any disorder) [Burgess, P.M., et al., Service use for mental health problems:	
	findings from the 2007 National Survey of Mental Health and Wellbeing. Aust N Z J Psychiatry, 2009. 43(7): p. 615-23]	
% Target Pop'n		
Avg contact hours and timeframe per activity (if applic)	 Short-term: One TV program, information booklets Long-term: from one week to several years 	
Workforce	Government or NGOs (e.g. beyondblue, Royal College of Psychiatrists)	
Gross Cost per activity (If applic)		
Evidence Base		
Level of Evidence:	 5 - Short-term 3 - Long-term Short term: Intentions to seek care for depression increased by < 10% [Sogaard, A. and V. Fonnebo, Norwegian Mental Health Campaign in 1992: part II: changes in knowledge and attitudes. Health Education Research, 1995. 10: p. 267-278.] Long term: 5-25% increases in willingness to seek professional help (depending on source) [Jorm, A.F., H. Christensen, and K.M. Griffiths, The impact of beyondblue: the national depression initiative on the Australian public's recognition of depression and beliefs about treatments. Aust N Z J Psychiatry, 2005. 39(4): p. 248-54.]; [Wright, A., et al., Development and evaluation of a youth mental health community awareness campaign - The Compass Strategy. BMC Public Health, 2006. 6: p. 215.]; [Paykel, E.S., D. Hart, and R.G. Priest, Changes in public attitudes to depression during the Defeat Depression Campaign. Br J Psychiatry, 1998. 173: p. 519-22.]; [Health, I.o.M., Post-Project Community Survey on the Public Awareness of Depression in New Territories West District of Hong Kong. Hong Kong, , 2002, 2002, Lingnan University: Hong Kong.]. 	
Key Reference:	Dumesnil, H. and P. Verger, <i>Public awareness campaigns about depression and suicide: a review.</i> Psychiatr Serv, 2009. 60 (9): p. 1203-13.	
Limitations of Evidence:	 Short term campaigns have limited effects on intentions Long term campaigns may improve attitudes to professional treatments 	

Recommendations	
for future research:	

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1.1.1.2 Service Element - Structured Psycho Education

Service Activity – Structured Psycho Education – In person

Attribute	Details	
Description	Promoting Help Seeking Attitudes - Structured Psycho Education – in person	
Fundamental Attributes	In-person (videos, interview, seminar, written material)	
Service specification	s and suggested modelling attributes	
Target Age:		
Target Pop'n Profile	Adults: any affective disorder: 6.2% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43(7): p. 594-605.] Professional help-seeking: 58.6% of those with affective disorder (34.9% of those with any disorder) [Burgess, P.M., et al., Service use for mental health problems: findings from the 2007 National Survey of Mental Health and Wellbeing. Aust N Z J Psychiatry, 2009. 43(7): p. 615-23]	
% Target Pop'n		
Avg contact hours and timeframe per activity (if applic)	 One x 30-minute video [Buckley, G.I. and J.M. Malouff, <i>Using modeling and vicarious reinforcement to produce more positive attitudes toward mental health treatment.</i> Journal of Psychology, 2005. 139(3): p. 197-209] 1 interview (10-15 mins) []Donohue, B., et al., <i>Improving athletes' perspectives of sport psychology consultation: a controlled evaluation of two interview methods.</i> Behavior Modification, 2004. 28(2): p. 182-93. 5 -10 mins written material [Han, D.Y., et al., <i>Effects of psychoeducation for depression on help-seeking willingness: biological attribution versus destigmatization.</i> Psychiatry and Clinical Neurosciences, 2006. 60(6): p. 662-8.] Seminar plus written [Sharp, W., et al., <i>Mental health education: An evaluation of a classroom-based strategy to modify helpseeking for mental health problems.</i> J Coll Stud Dev, 2006. 47(4): p. 419-438.] 	
Workforce	Research Assistant	
Gross Cost per activity (If applic)		
Evidence Base		
Level of Evidence:	 Post-test range - d=0.12 (general interview) to d=0.34 (video) FU range - d=0.26 (seminar (4 weeks)) to d=0.56 (video (2 weeks)) 	
Key Reference:	Gulliver, A., et al., A systematic review of help-seeking interventions for depression, anxiety and general psychological distress. BMC Psychiatry, 2012. 12 : p. 81.	
Limitations of Evidence:		
Recommendations for future research:		

Service Activity – Structured Psycho Education – Online

Attribute	Details	
Description	Structured Psycho Education – online	
Fundamental Attributes	Online (incl. email and websites plus phone)	
Service specification	s and suggested modelling attributes	
Target Age:		
Target Pop'n Profile	Adults: any affective disorder: 6.2% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43(7): p. 594-605.]	
	Professional help-seeking: 58.6% of those with affective disorder (34.9% of those with any disorder) [Burgess, P.M., et al., Service use for mental health problems: findings from the 2007 National Survey of Mental Health and Wellbeing. Aust N Z J Psychiatry, 2009. 43(7): p. 615-23]	
% Target Pop'n		
Avg contact hours and timeframe per activity (if applic)	Two e-cards with basic or enhanced MHL/help seeking info	
Workforce	Research Assistant, MH Professional	
Gross Cost per activity (If applic)	C.P.	
Evidence Base		
Level of Evidence:	 Beliefs at 6 weeks (rating any formal source as helpful) d=0.53 vs control (general health information) [Costin, D.L., et al., Health e-cards as a means of encouraging help seeking for depression among young adults: randomized controlled trial. Journal of Medical Internet Research, 2009. 11(4): p. e42.] Emails may change attitudes 	
Key Reference:	Gulliver, A., et al., A systematic review of help-seeking interventions for depression, anxiety and general psychological distress. BMC Psychiatry, 2012. 12 : p. 81.	
Limitations of Evidence:		
Recommendations for future research:		

1.1.3 Service Category – Enhancing Community Attitudes and Stigma Reduction

1.1.3.1 Service Element - Contact with People with Mental Illness

Attribute	Details	
Description	Contact with people with a mental illness	
Fundamental Attributes	 Presentation by/interaction with person (in person or by video) with a history of mental illness (almost always accompanied by education) Depression, depression and schizophrenia or mental illness generally 	
Service specification	s and suggested modelling attributes	
Target Age:	0-17yrs	18-64 yrs
Target Pop'n Profile	Depressive disorder: 3.7% (6-17yrs) (CAC-NSMHW [Sawyer, M.G., et al., The mental health of young people in Australia: key findings from the child and adolescent component of the national survey of mental health and well-being. The Australian and New Zealand Journal of Psychiatry, 2001. 35(6): p. 806-14.] Any anxiety disorder: 31.9% (13-18yrs) (USA NCS-A; Merikangas, K.R., et al., Lifetime prevalence of mental disorders in U.S. adolescents: results from the National Comorbidity Survey ReplicationAdolescent Supplement (NCS-A). Journal of the American Academy of Child and Adolescent Psychiatry, 2010. 49(10): p. 980-9.])	Adults: any mental disorder: 20% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43(7): p. 594-605.]
% Target Pop'n	4/	
Avg contact hours and timeframe per activity (if applic)	From one 20 min session to several hours pw for several weeks	
Workforce	MH consumer, Research Assistant, MH Professional	
Evidence Base		
Level of Evidence:	 mean d=0.24 overall (mean d=0.24, attitudes, mean d=0.30 behavioural intentions) contact in person- mean d=0.40 overall (mean d=0.37 attitudes, mean d=0.46 behavioural intentions) contact in video- mean d=0.17 overall (mean d=0.18 attitudes, mean d=0.17 behavioural intentions) Education more effective than contact in changing attitudes in adolescents. Inperson contact more effective than by video 	 mean d=0.28 overall (mean d=0.41 attitudes, mean d=0.19 behavioural intentions) contact in person- mean d=0.52 overall (mean d=0.66 attitudes, mean d=0.40 behavioural intentions) contact in video- mean d=0.16 overall (mean d=0.30 attitudes, mean d=0.20 behavioural intentions) Contact more effective than education in adults. In person contact more effective than by video

Key Reference:	Corrigan, P.W., et al., Challenging the public stigma of mental illness: a meta- analysis of outcome studies. Psychiatric Services, 2012. 63(10): p. 963-73.	
Limitations of Evidence:		
Recommendations for future research:		

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1.1.3.2 Service Element - Intensive Educational Interventions

Attribute	Details	
Description	Intensive educational interventions	
Fundamental Attributes	Adolescents: Mostly school-based intercreation of artwork, writing, role plays, greatize schizophrenia or mental illness generally Adults: Lectures, websites, written mater	roup exercises Depression, depression and
Service specification	s and suggested modelling attributes	
Target Age:	0-17yrs	18-64 yrs
Target Pop'n Profile	Depressive disorder: 3.7% (6-17yrs) (CAC-NSMHW [Sawyer, M.G., et al., The mental health of young people in Australia: key findings from the child and adolescent component of the national survey of mental health and well-being. The Australian and New Zealand Journal of Psychiatry, 2001. 35(6): p. 806-14.] Any anxiety disorder: 31.9% (13-18yrs) (USA NCS-A;[Merikangas, K.R., et al., Lifetime prevalence of mental disorders in U.S. adolescents: results from the National Comorbidity Survey ReplicationAdolescent Supplement (NCS-A). Journal of the American Academy of Child and Adolescent Psychiatry, 2010. 49(10): p. 980-9.])	Adults: any mental disorder: 20% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43(7): p. 594-605.]
% Target Pop'n		
Avg contact hours and timeframe per activity (if applic)	From one 20 min session to several hou	rs pw for several weeks
Workforce	Research Assistant, MH Professional, Teacher	Research Assistant, MH Professional
Gross Cost per activity (If applic)		
Evidence Base		
Level of Evidence:	d=0.39 overall (d=0.45 attitudes, d=0.30 behavioural intentions)	d=0.29 overall (d=0.31 attitudes, d=0.25 behavioural intentions)
Key Reference:	Corrigan, P.W., et al., Challenging the parallysis of outcome studies. Psychiatric	
Limitations of Evidence:		
Recommendations for future research:		

1.1.3.3 Service Element – Mass Promotion/Advertising Campaigns

Attribute	Details	
Description	Mass promotion/advertising campaigns	
Fundamental Attributes	 Media campaigns, events, websites, books, brochures, videos, TV ads, billboards, personalities, telephone information services) Depression, depression and schizophrenia or mental illness generally 	
Service specification	s and suggested modelling attributes	
Target Age:		
Target Pop'n Profile	Adults: any affective disorder: 6.2% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43 (7): p. 594-605.]	
% Target Pop'n		
Avg contact hours and timeframe per activity (if applic)	Varies from TV series to longer more intensive multifaceted campaigns	
Workforce	Government or NGOs	
Gross Cost per activity (If applic)		
Evidence Base		
Level of Evidence:	Changes between 5 - 20% depending on attitudes	
Key Reference:	Corrigan, P.W., et al., Challenging the public stigma of mental illness: a meta- analysis of outcome studies. Psychiatric Services, 2012. 63 (10): p. 963-73.	
Limitations of Evidence:	 Longer term campaigns generally considered to work (although not in all cases [Corrigan, P.W., et al., Challenging the public stigma of mental illness: a meta-analysis of outcome studies. Psychiatric Services, 2012. 63(10): p. 963-73.] but study designs have limitations [Crisp, A., et al., Stigmatization of people with mental illnesses: a follow-up study within the Changing Minds campaign of the Royal College of Psychiatrists. World Psychiatry, 2005. 4(2): p. 106-13]; [Gaebel, W., et al., Evaluation of the German WPA "program against stigma and discrimination because of schizophreniaOpen the Doors": results from representative telephone surveys before and after three years of antistigma interventions. Schizophrenia Research, 2008. 98(1-3): p. 184-93.]; [Dietrich, S., et al., Impact of a campaign on the public's attitudes towards depression. Health Educ Res, 2009. 25(1): p. 135-50.]; [Henderson, C., et al., England's time to change antistigma campaign: one-year outcomes of service user-rated experiences of discrimination. Psychiatric Services, 2012. 63(5): p. 451-7.]. Short term (3-week) campaigns not likely to be effective [Evans-Lacko, S., et al., Evaluation of a brief anti-stigma campaign in Cambridge: do short-term campaigns work? BMC Public Health, 2010. 10: p. 339. 	
Recommendations for future research:		

1.1.3.4 Service Element - Enhancing First Aid Behaviours

Attribute	Details
Description	Enhancing first Aid Behaviours
Fundamental Attributes	
Service specification	s and suggested modelling attributes
Target Age:	
Target Pop'n Profile	 Adults: any mental disorder: 20% (16-85yrs), Adolescents: any mental disorder: 25% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: method and key findings. Aust N Z J Psychiatry, 2009. 43(7): p. 594-605.]
% Target Pop'n	, 0,
Avg contact hours and timeframe per activity (if applic)	12-14 hour course
Workforce	MH Professional
Gross Cost per activity (If applic)	
Evidence Base	
Level of Evidence:	 12 studies showed increased confidence in providing help. 6 studies showed increased help provided to others MHFA effective in enhancing confidence and first-aid behaviours
Key Reference:	Jorm, A.F. and B.A. Kitchener, <i>Noting a landmark achievement: Mental Health Faid training reaches 1% of Australian adults.</i> Aust N Z J Psychiatry, 2011.
Limitations of Evidence:	
Recommendations for future research:	
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1.1.4 Service Category - Promoting Mental Wellbeing

1.1.4.1 Service Element - Social and Emotional Learning

Attribute	Details	
Description	Social and Emotional Learning	
Fundamental Attributes	 Classroom-based interventions, interventions for parents, whole of school policy development Most have explicit goals and focus on active learning and skills development 	
Service specification	s and suggested modelling attributes	
Target Age:		
Target Pop'n Profile	 Adolescents: depressive disorder: 3.7% (6-17yrs) (CAC-NSMHW [Sawyer, M.G., et al., The mental health of young people in Australia: key findings from the child and adolescent component of the national survey of mental health and well-being. The Australian and New Zealand Journal of Psychiatry, 2001. 35(6): p. 806-14.]) 	
% Target Pop'n		
Avg contact hours and timeframe per activity (if applic)	Mean no. of sessions 41, median 24	
Workforce	Teachers, non-school personnel (Research Assistants, consultants)	
Gross Cost per activity (If applic)		
Evidence Base	Evidence Base	
Level of Evidence:	 Social and emotional skills g=0.57 (95% CI 0.48-0.67) Attitudes towards self and others g=0.23 (95% CI 0.16-0.30) Positive social behaviours g=0.24 (95% CI 0.16-0.29) Conduct problems g=0.22 (0.16-0.29) Emotional distress g=0.24 (95% CI 0.14-0.35) Academic performance g=0.27 (95% CI 0.15-0.39) At 6 mth follow-up ESs of reduced magnitude but significant for all outcomes 	
Key Reference:	Durlak, J.A., et al., <i>The impact of enhancing students' social and emotional learning: a meta-analysis of school-based universal interventions.</i> Child Development, 2011. 82 (1): p. 405-32.	
Limitations of Evidence:	 SEL programs have positive effects. Programs delivered by teachers more effective. 	
Recommendations for future research:		

1.1.4.2 Service Element - Positive Psychology

Attribute	Details
Description	Positive Psychology
Fundamental Attributes	Mindfulness, positive writing, hope therapy, positive reminiscence, gratitude, happiness programs, wellbeing therapy, positive psychotherapy, CBT
Service specification	s and suggested modelling attributes
Target Age:	
Target Pop'n Profile	 Adults: any mental disorder: 20% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43(7): p. 594-605.]
% Target Pop'n	
Avg contact hours and timeframe per activity (if applic)	• <4 weeks to > 12 weeks
Workforce	
Gross Cost per activity (If applic)	
Evidence Base	
Level of Evidence:	 Wellbeing mean r=0.29 Depression mean r=0.31 (In non-depressed people: wellbeing mean r=0.26 Depression mean r=0.21) Positive psychology interventions improve wellbeing and ameliorate depression
Key Reference:	Sin, N.L. and S. Lyubomirsky, <i>Enhancing well-being and alleviating depressive symptoms with positive psychology interventions: a practice-friendly meta-analysis</i> Journal of Clinical Psychology, 2009. 65 (5): p. 467-87.
Limitations of Evidence:	
Recommendations for future research:	
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1.1.5 Service Category - Reduction of Bullying and Cyber Bullying

1.1.5.1 Service Element - Whole of School Approach

Attribute	Details
Description	Whole of School Approach
Fundamental Attributes	Training for school personnel, material for parents, videos, school-wide rules, individual counselling
Service specification	s and suggested modelling attributes
Target Age:	
Target Pop'n Profile	27% bullied every few weeks or more [Cross, D., et al., Australian Covert Bullying Prevalence Study (ACBPS), 2009, Child Health Promotion Research Centre, Edith Cowan University: Perth]
% Target Pop'n	
Avg contact hours and timeframe per activity (if applic)	Weeks to years
Workforce	Teacher, Research Assistant, MH Professional
Gross Cost per activity (If applic)	, o CO
Evidence Base	
Level of Evidence:	 Whole of school approach generally effective in reducing bullying 8 out of 10 studies showed reduction in bullying
Key Reference:	Vreeman, R.C. and A.E. Carroll, <i>A systematic review of school-based interventions to prevent bullying</i> . Archives of Pediatrics and Adolescent Medicine, 2007. 161 (1): p. 78-88.
Limitations of Evidence:	
Recommendations for future research:	OFF
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1.1.6 Other Service Elements reviewed but not included in this Service Stream due to evidence level

Category - Element: Promoting Help Seeking Behaviours - Structured Psycho Education

Attribute	Details	
Description	Structured psycho-education	
Fundamental Attributes	Online (incl. email and websites plus phone calls from interviewer)	
Service specifications and suggested modelling attributes		
Target Pop'n Profile	Adults: any affective disorder: 6.2% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43(7): p. 594-605.]	
	Professional help-seeking: 58.6% of those with affective disorder (34.9% of those with any disorder) [Burgess, P.M., et al., Service use for mental health problems: findings from the 2007 National Survey of Mental Health and Wellbeing. Aust N Z J Psychiatry, 2009. 43(7): p. 615-23]	
Avg contact hours and timeframe per activity (if applic)	 3-6 weeks website (MoodGym or Bluepages) plus weekly phone calls Christensen, H., et al., The effect of web based depression interventions on self reported help seeking: randomised controlled trial [ISRCTN77824516]. BMC Psychiatry, 2006. 6: p. 13. Two e-cards with MHL/help seeking info [Costin, D.L., et al., Health e-cards as a means of encouraging help seeking for depression among young adults: randomized controlled trial. Journal of Medical Internet Research, 2009. 11(4): p. e42.] 	
Evidence Base		
Level of Evidence:	3 Moodgym at 6 wks d=0.24, 6mths d=0.13 Online intervention with support more effective than emails alone in increasing professional treatment seeking	
Key Reference:	Gulliver, A., et al., A systematic review of help-seeking interventions for depression, anxiety and general psychological distress. BMC Psychiatry, 2012. 12 : p. 81.	
Limitations of Evidence:		
Recommendations for future research:		

Category - Element: Promoting Help Seeking Attitudes - Provision of online mental health information

Attribute	Details
Description	Provision of online mental health information
Fundamental Attributes	Websites
Service specifications and suggested modelling attributes	
Target Age:	
Target Pop'n Profile	Adults: any mental disorder: 20% (16-85yrs)
	Adolescents: any mental disorder: 25% (16-85yrs)

	[Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43(7): p. 594-605.]
Evidence Base	
Level of Evidence:	6
Key Reference:	Reavley, N.J. and A.F. Jorm, <i>The quality of mental disorder information websites: A review.</i> Patient Educ Couns, 2010. 85 (2): p. e16-25.
Limitations of Evidence:	 Quality of information generally poor, although quality of info on affective disorders may be improving Very little understanding of the influence of website quality on user behaviour.
Recommendations for future research:	

Category - Element: Promoting Mental Wellbeing - Relaxation

There was concern around whether this is the realm of health or other government. The Service Element – Relaxation was removed.

Category - Element: Promoting Mental Wellbeing - Physical Activity

There was concern around whether this is the realm of health or other government. The Service Element – Physical Activity was removed.

Attribute	Details		
Description	Physical Activity		
Fundamental	Increase levels of physical activity		
Attributes	X		
Service specification	s and suggested modelling attributes		
Target Age:	7		
Target Pop'n Profile	Adults: any mental disorder: 20% (16-85yrs) [Slade, T., et al., 2007 National Survey of Mental Health and Wellbeing: methods and key findings. Aust N Z J Psychiatry, 2009. 43 (7): p. 594-605.]		
% Target Pop'n			
Avg contact hours and timeframe per activity (if applic)			
Workforce			
Gross Cost per activity (If applic)			
Evidence Base			
Level of Evidence:	6 Evidence suggests an association between higher levels of physical activity and reduced risk of depression but no general population intervention-level evidence available (refer to universal and indicated prevention sections for specific subgroups)		
Key Reference:	Jacka, F.N. and M. Berk, <i>Depression, diet and exercise</i> . MJA Open, 2012. 1 (Suppl 4): p. 21-23.		
Limitations of Evidence:			

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0657

Recommendations	
for future research:	

Category - Element: Promoting Mental Wellbeing – Lifestyle Promotion

There was concern around whether this is the realm of health or other government. The Service Element – Lifestyle Promotion was removed.

Category - Element: Systemic Promotion - Legislation and Policy

No evidence for impact of policy on reducing prevalence of disorders or suicide rates (Burgess 2004 [3]). Promotion and prevention working group members agreed not to include this category or service element in the Taxonomy. The Service Category – Systemic Promotion and Service Element – Legislation and Policy were removed.

Category - Element: Reduction of Bullying and Cyber Bullying - Curriculum Interventions

Promotion and prevention working group members agreed not to include this service element in the Taxonomy. The Service Element – Curriculum Interventions was removed.

Attribute	Details
Description	Videos, lectures, classroom discussions
Fundamental Attributes	
Service specification	s and suggested modelling attributes
% Target Pop'n	27% bullied every few weeks or more Cross, D., et al., Australian Covert Bullying Prevalence Study (ACBPS), 2009, Child Health Promotion Research Centre, Edith Cowan University: Perth
Avg contact hours and timeframe per activity (if applic)	1 session to 15 weeks of classroom modules
Workforce	Teachers, RA, MHP
Evidence Base	
Level of Evidence:	3
Key Reference:	Vreeman, R.C. and A.E. Carroll, <i>A systematic review of school-based interventions to prevent bullying.</i> Archives of Pediatrics and Adolescent Medicine, 2007. 161 (1): p. 78-88.
Limitations of Evidence:	No effect on bullying 6 out of 10 studies found no effect on bullying. 4 studies found some decreases but
	increases in some subgroups
Recommendations for future research:	

Category - Element: Reduction of Bullying and Cyber Bullying - Cyber Bullying

Attribute	Details		
Description	Cyber-bullying		
Fundamental Attributes	Decrease level of cyber-bullying		
Service specifications and suggested modelling attributes			
Target Age:			
Target Pop'n Profile			
% Target Pop'n	10% of primary and secondary students Cross, D., et al., Australian Covert Bullying Prevalence Study (ACBPS), 2009, Child Health Promotion Research Centre, Edith Cowan University: Perth		
Avg contact hours and timeframe per activity (if applic)			
Workforce			
Gross Cost per activity (If applic)			
Evidence Base	Evidence Base		
Level of Evidence:	3		
Key Reference:	ang, J., T.R. Nansel, and R.J. lannotti, <i>Cyber and traditional bullying: differential association with depression.</i> Journal of Adolescent Health, 2011. 48 (4): p. 415-7		
Limitations of Evidence:	Evidence suggests an association between cyber-bullying and risk of mental disorders but no intervention-level evidence available		
Recommendations for future research:	40		

Category - Element: Reduction of Bullying and Cyber Bullying - Workplace

Attribute	Details	
Description	Workplace bullying	
Fundamental Attributes	Organisation level interventions (work climate, leadership and job design interventions, code of conduct, policy and legislation, formal investigations/grievance procedures, monitoring, employee selection, teambuilding/team training, conflict management training, mediation, multisource feedback, bystander interventions)	
	Individual level interventions (training, mentoring, informal support, counselling	
Service specifications and suggested modelling attributes		
% Target Pop'n	6.8% of workers in a 6-month period Commonwealth of Australia, Workplace Bullying: We just want it to stop, 2012, House of representatives, Standing Committee on Education and Employment: Canberra.	
Avg contact hours and timeframe per activity (if applic)	Varies very widely	
Workforce	Researchers, MHPs, consultants	
Evidence Base		

	4 Evidence suggests an association between poor work climate, managers with poor interpersonal skills and bullying. Organisation level interventions with leadership commitment and a proactive approach more likely to be successful.
Key Reference:	ling, J.C., et al., Evidence synthesis on the occurrence, causes, consequences, prevention and management of bullying and harassing behaviours to inform decision making in the NHS. Final report., 2013, NIHR Service Delivery and Organisation programme.
Limitations of Evidence:	mostly case studies and small sample sizes
Recommendations for future research:	
	FIDENCE NOT FOR CIRCULATION OF F

1.1.7 References used for this Service Stream

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Version AUS V1 October 2013 TRIM Ref: H12/35030

S V1 October 2013 41

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Version AUS V1 October 2013 TRIM Ref: H12/35030 42

1.2 SERVICE STREAM – MENTAL HEALTH PREVENTION

Service Stream		Mental Health Prevention	
Service Category	PS	Prevention of Suicide, Suicide Ideation and Behaviour	
Service Element	PS1	Restriction to Means	
Service Element	PS2	Gate Keeper Training (Professional)	
Service Element	PS3	Responsible Reporting in Media about Suicide	
Service Element	PS4	Web Based Programs for Reducing Suicide Ideation	
Service Element	<u>PS6</u>	Crisis Intervention (Telephone and Internet Helplines)	
Service Category	PDA	Prevention of Depression and Anxiety	
<u>Service Element</u>	<u>PDAS</u>	Indicated Prevention (Screening and Intervention)	
Service Activity	PDAS1	Preschool Screening and CBT	
Service Activity	PDAS2	School Based Screening and CBT	
Service Activity	PDAS3	Parent Training and Family Strengthening	
Service Activity	PDAS4	General Adults CBT for Depression (incl.Workplace Stress Mgt)	
Service Element	<u>UP</u>	<u>Universal Prevention</u>	
Service Activity	UP1	Primary School Based CBT	
Service Activity	UP2	High School Based CBT	
Service Category	PA	Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising	
Service Element	<u>PA1</u>	Multi-Level Behavioural Parent Training	
Service Activity	PA2	Parent Management Training	
Service Activity	PA3	Multidimensional Treatment Foster Care	
Service Element	<u>PA4</u>	School-Based Intervention Programs (Universal)	
Service Element	<u>PA5</u>	School-Based Intervention Programs (Indicated)	
Service Category	PE	Prevention of Eating Disorders And Body Image Problems	
Service Element	PE1	School-Based Programs	
Service Element	PE2	<u>University-Based Programs</u>	
<u>Service Element</u>	PE3	Community-Based Programs	
Service Category	PP	Prevention of PTSD	
Service Element	PP1	Prevention of Post-Event Pathology From Post-Event Intervention For Those Who Demonstrate Vulnerability	

Prevention has been modelled at Service Category level, and Service Elements and Service Activities have been identified and described where possible.

1.2.1 Service Category - Prevention of Suicide, Suicide Ideation and Behaviour

1.2.1.1 Service Element - Restriction to Means

Attribute	Details		
Description	Broad population-based. Community-level and community-supported strategy. Effective when the method to be restricted is: 1) highly lethal and commonly used, accounting for significant proportion of deaths. 2) specific to regional context, culturally acceptable and well-recognised 3) suitable for elimination or restriction through broad policy action 4) implementation and effects can be monitored. e.g. fire arm control legislation (US); mandatory catalytic converters in car exhaust systems (UK)		
Fundamental Attributes	Success depends on cohesive community action by individuals, social leadership and means restriction (MR) being embedded into changes in the environment.		
Service specification	s and suggested modelling	attributes	,
Target Age:	12-17yrs	18-64 yrs	65+ yrs
Target Pop'n Profile			
% Target Pop'n		12 month prevalence: suicidal acts (SA) 0.4%* (16-85yrs); #10; NMHS; 2007	
Avg contact hours and timeframe per activity (if applic)	Not applicable	Not applicable	Not applicable
Workforce	Community-level and comm	nunity-supported strategy.	
Gross Cost per activity (If applic)	4 0.		
Evidence Base			
Level of Evidence:	Evidence of effectiveness only when method is highly lethal. Does not inevitably lead to means substitution, and when it does, means chosen are less lethal, have lower risk of fatality and associated with fewer deaths. Only effective upon lower fatality rate of alternative methods should means substitution occur. LEVEL OF EVIDENCE: Level of evidence 2: % decline annual suicide rate: 1.5-9.5% (guns), 19-33% (domestic gas), 23% (barbiturates) #59 (Mann et al.,2005) all level III-3 (interrupted time series without control) – large number of III-3 studies of relatively good quality, but more so consistent in indicating effect > ecological observational BUT all systematic reviews (Mann; Van der Feltz) suggest this is important and likely to be highly effective, when part of national multilevel strategy.		
Key Reference:	Yip et al (2012); Mann et al	(2005)	
Limitations of Evidence:			
Recommendations for future research:			

1.2.1.2 Service Element – Gate Keeper Training (Professional)

Service Activity – Gatekeeper Training (Non-medical professionals)

RATIONALE FOR CATEGORY:

- These are non-medical community gatekeepers (not general public)
- Most consistency in effect, grouped together in such a way by Mann and van der Feltz.
- Greater exposure than general public to high risk groups, and greater ability to identify , intervene and refer

refer	
Attribute	Details
Description	Variable, often tailored for each community and local MH services e.g.: Australian Aboriginal community gatekeeper training included myths and facts about suicide, warning signs and referral strategies.
	Community members play critical facilitatory role in dissemination of knowledge and in early detection of depression and suicide risk. Mann et al (2005) suggests Gate Keeper training is most likely to be effective where gatekeeper roles are formalised within organisations, and pathways to treatment are readily available. More research needed on intermediate outcomes.
Fundamental Attributes	LINK Program (US Air Force): 1) Look for possible concerns (suicide risk factor identification) 2) Inquire about concerns/risk (intervention skills) 3) Note level of risk 4) Know referral strategies/resources (implement referral procedures to relevant MH
Service specifications	services). s and suggested modelling attributes
Target Pop'n Profile	12 month prevalence: SI: 2.3%; SP: 0.6%; SA: 0.4%* (16-85yrs); NSMHW; 2007
Avg contact hours and timeframe per activity (if applic)	2 days (3 hrs – 5 days)
Workforce	Non-medical professionals Delivery: MHP/ Trained volunteers deliver the training. Audience: only for first responders, public service and defence services.
Evidence Base	
Level of Evidence:	3 (knowledge, skills, attitude) 4 (SA, SI, SR)
RAFT IN CONT	 RRR = 33% (airforce <i>LINK program</i>: Knox et al, 2003) LINK program delivered in > 5 million personnel in multilevel approach, content also shown for this LINK program Knox KL, Litts DA, Talcott GW, et al. Risk of suicide and related adverse outcomes after exposure to a suicide prevention programme in the US Air Force: cohort study. Br Med J. 2003;327:1376–1378. Need clear fast track to available treatment in order for preventive effect to occur / be maximised RRR = 33% (airforce LINK program: large cohort: Knox et al, 2003) Promising positive effects on knowledge, attitudes, skills in identification and intervention in short-term, some positive effects on self-efficacy. Mixed results as to sustainability of these effects, and on referral practices. Limited evidence of efficacy in reducing suicidal behaviour in short-term. Preventive potential depends on clear fast track to treatment being available.
Key Reference:	Isaac et al (2009) – only non medical gatekeepers , Mann et al (2005), van der Feltz et al (2012) – only non medical gatekeepers
Limitations of Evidence:	
Recommendations for future research:	Need more research into long-term effects and suicide outcomes.

1.2.1.3 Service Element – Responsible Reporting in Media

Service Activity – Responsible Reporting in the Media about Suicide – Effect on Media Reporting

Reporting		
Attribute	Details	
Description	Implementation of media guidelines around responsible reporting of suicide (e.g.: Mindframe guidelines; Aust)	
Fundamental Attributes	 Moratorium (media blackout) on suicides e.g. in subway. Avoid sensationalism and glorification; avoid detailed description of method; focus on treatability of mental illness and preventability of suicide Include crisis and information service contact details in media reporting 	
Service specification	s and suggested modelling attributes	
Target Age:	R-	
Target Pop'n Profile		
% Target Pop'n	National consumers of media.	
Avg contact hours and timeframe per activity (if applic)		
Workforce	MHP and media professionals (TV, radio, print)	
Gross Cost per activity (If applic)	Training of journalists (unknown amount of sessions and minutes)	
Evidence Base		
Level of Evidence:	 Three different levels of evidence 5 - All pre-post case series IV 4 - likely to be effective (short-term); 7 - No evidence of effectiveness (long-term) EFFECTIVENESS STATISTICS: Australia: rates for Mindframe (Mindframe and Mental Health guidelines, Commonwealth of Australia, 2002); Mindframe: developed in partnership with media; nationally funded dissemination; ongoing training "By combining the nine dimensions of quality, it was possible to generate a total quality score for each item across both years of the Media Monitoring Project." "A total quality score could be calculated for 415 suicide items from 2000/01 and 388 from 2006/07. The total quality scores ranged from 0 to 100 in both years, but the median score increased from 57.1% in 2000/01 to 75.0% in 2006/07. Figure 1 (sic) shows the distribution of total quality scores for each year, demonstrating graphically that the overall quality of suicide reporting improved significantly during the life of the Media Monitoring Project (Chi² = 189.88, df = 9, p < .000). Figure 1. Distribution of total quality scores for suicide items, by year (2000/2001, n = 415; 2006/2007, n = 388). (pg. 30)" Pirkis J, Dare A, Blood RW, Rankin B, Williamson M, Burgess P, Jolley D. "Changes in media reporting of suicide in Australia between 2000/01 and 2006/07". Crisis. 2009;30(1):25-33. doi: 10.1027/0227-5910.30.1.25\ Austria: Significant improvement in report quality. Collaborative development; active dissemination; targeted training to local journalists; monitoring Niederkrotenthaler, T., and Sonneck, G. (2007). "Assessing the impact of media guidelines for reporting on suicides in Austria: Interrupted time series analysis." Australasian Psychiatry, 41, 419–428. 	
Key Reference:	Bohanna and Wang (2012); Pirkis et al (2009) and Niederkrotenthaler and Sonneck	

Limitations of Evidence:	(2007). Bohanna and Wang (2012): Review of quantitative (outcomes of suicide rates (2), quality and quantity of media reports) and qualitative research (interviews with media professionals) Implementation of media guidelines may be effective in improving media reporting of suicide over the short term only when certain conditions met (e.g. media consultation when developing; active dissemination strategy, ongoing targeted journalist training). Insufficient evidence to support long-term positive effect on media reporting. • 7 no evidence of effectiveness (long-term) • In fact, negative evidence exists if conditions not met: - likely to revert to sensational reporting over time if no ongoing training (Jamison et al, 2003) - qualitative evidence suggests journalists likely to resist when insufficient collaboration or consultation occurred in development and training (Collings and Kemp, 2010)
Recommendations for future research:	20'

Service Activity – Responsible Reporting in the Media about Suicide – Effect on Imitative Suicide Rates

Attribute	Details		
Description	Responsible (appropriate and sensitive) professional media coverage of suicide.		
Fundamental Attributes	Media guidelines (as above) can have positive effect only when: 1) developed collaboratively with media and mental health organisations 2) active dissemination strategy 3) includes ongoing, targeted journalist training, education and maintenance of knowledge 4) ongoing monitoring of implementation.		
Service specification	s and suggested modelling attributes		
% Target Pop'n	12 month prevalence: SI: 2.3%; SP: 0.6%; SA: 0.4%* (16-85yrs); #10; NMHS; 2007		
Workforce	Media professionals (TV, radio, print)		
Gross Cost per activity (If applic)	Training of journalists (unspecified amount of sessions and minutes)		
Evidence Base			
Level of Evidence:	 Level of evidence 5 may be effective: limited evidence, only 2 studies assessing suicide rates (both level III-3) EFFECTIVENESS STATISTICS: significant national decrease of 81 suicides annually since guideline introduction – ONLY significant in areas in which complaint newspapers reached more than 67% of population (Niederkrotenthaler and Sonneck, 2007) in a review of Austrian suicide rates from 1982-2005. Level of evidence III-3 (ecological) Niederkrotenthaler, T., and Sonneck, G. (2007). Assessing the impact of media guidelines for reporting on suicides in Austria: Interrupted time series analysis. Australasian Psychiatry, 41, 419–428. 75% decrease in subway suicides in 1987 following implementation of guidelines (moratorium on subway suicide reporting); rates remained low over 5 yrs; overall decrease suicide rate of 19.5% (1986-1990) (Sonneck et al , 1998) Level of evidence III-3 (ecological) 		

	on the Viennese subway. Social Science and Medicine, 38, 453–457. No randomized controlled trials (RCT);			
Key Reference:	Bohanna and Wang (2012)			
Limitations of Evidence:	 No data available for media blackouts (#59: Mann et al 2005). Decrease of 75% in subway suicides in 1987 post implementation of guidelines; rates remained low over 5 yrs; overall decrease suicide rate of 19.5% (1986-1990) (#62: Sonneck et al , 1998). Signficant decrease of 81 suicides annually (1982 2005) only in areas with high coverage of compliant newspapers (>67% pop. coverage) (#61: Niederkrotenthaler and Sonneck, 2007). CONCLUSION: Implementation of media guidelines may be effective in improving media reporting over the short term only when certain conditions media Maximal effectiveness in short -term most likely when accompanied by key features (Austalian and Austrian studies proof of concept). However, significal international variability exists and journalist awareness, use and opinion of guidelines is generally low; insufficient evidence to support long-term positive effect on media reporting. Promising evidence, however inadequate empirical evaluation to support a preventive effect on suicide due to low methodological quality of existing studie (no RCTs; 2-3 quantitative; majority qualitative). 			
Recommendations for future research:	10,			
	RCE NOT FOR CIRCUIL R			
2AFT IN CON				

1.2.1.4 Service Element - Web Based Programs for Preventing Suicide Ideation

Service Activity –CBT – all ages

Attribute	Details				
Description	therapy (DBT) / Problem therapy (MBCT)	Cognitive Behavioural Therapy (CBT) including components of Dialectical behaviour therapy (DBT) / Problem solving therapy (PST) / Mindfulness-based cognitive therapy (MBCT) CBT + Prolonged exposure therapy (PE) (MoodGYM)			
Fundamental Attributes			110		
Service specification	s and suggested modell	ing attributes			
Target Age:	12-17yrs	18-64 yrs	65+ yrs		
Target Pop'n Profile			R		
% Target Pop'n	12 month prevalence: SI: 2.3% (16-85yrs); NSMHW; 2007,				
	any affective illness: 6.20 2007)	% (16-85yrs) (Slade et al,			
Avg contact hours and timeframe per activity (if applic)		; 10.5 self-help hrs over 6 weeks; 6 mir offered to participants within national to			
Workforce	Unguided self-help; rese intervention),	archer (via email response to queries	regarding		
Gross Cost per activity (If applic)		OF			
Evidence Base					
Level of Evidence:	3 - Inconclusive evidence	e of effectiveness			
	d= 0.28, [95% CI: 0.03-0 control) (van Spijker et a	.54] (mean change in SI baseline-pos I, in press)	sttest; interv. Vs. TAU		
		l, van Straten, A and Kerkhof, AJFM (online self-help for suicidal thoughts: trolled trial.			
.40	EFFECTIVENESS STATISTICS - ES statistic for SI program: ES is 0.28, (Cohens d=0.28) with 95%CI ranging from 0.03 to 0.54 = significant mean decrease in SI. This is based on the mean change from baseline to post-test (i.e. 6 weeks after BL) comparing the intervention = TAU, with the control group (TAU only and 15 minutes information page online about suicide) on suicidal thoughts.				
RAFT IN	Van Spijker et al (2012) - van Spijker, BAJ, PhD, - Annemieke van Straten, PhD, - and Ad J.F.M Kerkhof, PhD - Reducing Suicidal Ideation: Cost-Effectiveness Analysis of a Randomized Controlled Trial of Unguided Web-Based Self-help. J Med Internet Res. 2012 Sep-Cl 14(5): e141. Published online 2012 October 26. doi: 10.2196/jmir.1966 PMCID: PMC3517339				
	 Data for delivery are period. RESULTS: "The pr change in suicidal id 	ered to participants within national tele averages per participant across 6 we oportion of participants that showed of eation was significantly higher in the 21% in the control group. For each tr	eek intervention clinically significant intervention group:		

€34,727 (US \$41,325) of societal costs were saved relative to TAU indicating the intervention on top of TAU produces better health at lower costs, compared with CAU alone." ** Quote from paper

- <u>Suicidal Ideation results</u> (** Quotes from paper)
- IE = incremental effectiveness was given for a treatment response: defined as a clinically significant decrease in suicidal ideation on the BSS (Beck Suicide Ideation Scale). ** Quote from paper
- "The proportion of participants that showed clinically significant change in suicidal ideation was significantly higher in the intervention group: 35% compared with 21% in the control group."
- "In the intervention group, 35.3% (41/116) met the criteria for clinically significant change in SI, compared with 20.8% (25/120) in the control group. The difference in effectiveness was 0.353 0.208 = IE = 0.15 (SE 0.06).

<u>Cost Effectiveness results</u> (** Quotes from paper)

 "Total per-participant costs encompassed costs of health service uptake, participants' out-of-pocket expenses, costs stemming from production losses, and intervention costs. "

These were expressed in Euros (€) for the reference year 2009.

- "For each significantly improved participant, €34,727 (US \$41,325) of societal costs were saved relative to CAU."
- "The annualized incremental costs were -€5039 per participant. Therefore, the mean incremental cost-effectiveness ratio (ICER) was estimated to be -€5039/0.15 = -€34,727 after rounding (US -\$41,325) for an additional treatment response, indicating annual cost savings per treatment responder."
- "With no willingness to pay for one significantly improved participant, there is a 93% probability that the intervention would be regarded as more cost-effective than CAU"
- "Different willingness to pay ceilings only minimally affects cost-effectiveness probability estimates. Sensitivity analyses confirmed the robustness of these findings."

Control group results (** Quotes from paper)

 "Effectiveness further indicated by especially given that all participants were encouraged to engage in CAU. Moreover, the control group made more use of this CAU than the intervention group and called more often for exceeding cut-off SI score.

Christensen, Farrer et al (in preparation).

 Christensen H, Farrer L, Batterham P, Mackinnon KM, Griffiths K, Donker T. The effect of a web based depression intervention on suicide ideation: Secondary outcome from a randomised controlled trial. (in prep.)

NB: Data presented for web-based only condition.

EFFECTIVENESS STATISTICS:

Small ES at post and medium ES at 6 month for web based, but no consistent effects for online conditions. Regardless of intervention, SI significantly declined over 12 months. Those with higher baseline SI were significantly more likely to continue SI following completion of online modules. However, those with greater improvement in depression symptoms were less likely to experience SI after the program.

Key Reference:

Van Spijker et al (in press)

 van Spijker, BAJ, van Straten, A and Kerkhof, AJFM (submitted).
 Effectiveness of online self-help for suicidal thoughts: Results of a randomised controlled trial.

Van Spijker et al (2012)

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0670

	PhD, ^{2,3} Annemieke van Straten, PhD, ¹ and Ad J.F.M Kerkhof, Ph Reducing Suicidal Ideation: Cost-Effectiveness Analysis of a
	Randomized Controlled Trial of Unguided Web-Based Self-help.
	Med Internet Res. 2012 Sep-Oct; 14(5): e141. Published online 2012 October 26. doi: 10.2196/jmir.1966 PMCID: PMC3517339
	Christensen, Farrer et al (in preparation).
	 Christensen H, Farrer L, Batterham P, Mackinnon KM, Griffiths K
	Donker T. The effect of a web based depression intervention on
	suicide ideation: Secondary outcome from a randomised controll trial. (in prep.)
Limitations of	Suggests potential for SI to resolve spontaneously over time, and significantly mo
Evidence:	so in those with resolving depression. Suggests interventions treating depressio may beneficially affect SI, however mechanisms by which this occurs is unknown
	Significant reductions in suicidality, intent to die (p<.001) during call, but not at follow-up.
	Initial tentative suggestion of a promising online self-help intervention for SI that i
	feasible, cost-saving and effective. It increases likelihood of a favourable clinical
	outcome (sig. mean change in SI) when offered on top of TAU at lower cost, in the
	short-term; with sig. However, long-term effects, and effect on SA and completed suicides, are as yet unknown.
	·
	Online CBT programs are no more successful than current call centre practice in resolving suicidal ideation. Insufficient evidence at this stage to recommend onli
	CBT strategies for depression to be implemented for those experiencing SI.
	Substantial evidence exists however, to support utility of online CBT for depressi
Danasa dationa	only.
Recommendations for future research:	8-
	7.0
	,0,
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	:IDENCE
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EXHIBIT 233
NMHSPF: Service Element and Activity Descriptions

1.2.1.5 Service Element - Crisis Intervention (Telephone and Internet Helplines)

Service Activity – Community Crisis Intervention Telephone Helplines

Research supports intervention for immediate reduction of caller distress, but then issues with the follow through with mental health services was identified. Members noted that telephone helplines are often used as a stop gap for after-hours mental health services and not particularly as a suicide prevention tool. ASIST is a mandated part of lifeline training and there are other modules to address grief and postvention etc.

There was significant discussion on whether this activity should be included in the Taxonomy due to the evidence currently available (see table below). Members noted the potential for it to be effective in immediate reduction of caller distress, with acceptable referral and action planning. On this basis and in consideration of existing funding for these services, Members agreed for this Service Element and Activity to be included, but with a strong recommendation for further research.

Attribute	Details				
	Telephone Crisis Lines				
Description	24 hour free call telepho				
	24 flour free dan telepho	rie rieume.	7		
	Description of content a	nd recommendations for service	improvement taken from		
	Kalafat et al (2007)				
	of A six step problem-solvi	ng intervention model is followed	d during the call, consisting		
	1) establishing rapport				
		s) and assessment of suicide ris	k		
	3) exploring affect (incl. reduction of anxiety and other negative emotional states)				
	4) exploring callers copin				
		ative problem solving methods	to informal or formal augment		
	resources.	fic plan of action and/or referral	to informal of formal support		
	resources.				
	If caller is suicidal:				
	a) caller with suicidal ide				
	1) identify precipant of s				
	2) generate alternative of3) mobilise supports.	coping strategies			
	OR				
		ent suicide risk: action may inclu	ide		
		(via direct request, tracing calls,			
	2) dispatch emergency p	personnel if direct intervention is	indicated.		
ON THE COL	Web-Based Programs				
7		re no more successful than curre			
		on. Insufficient evidence at this s			
		ession be implemented for those			
N	only.	sts however, to support utility of	online CB1 for depression		
25	Offiny.				
	Real-time online chat r	ooms.			
		may replace telephone helplines best-practice features, impleme			
Fundamental Attributes					
	and suggested modelling	attributes			
Target Age:	12-17yrs	18-64 yrs	65+ yrs		
90. 7.90.	1		00 · y10		

Target Pop'n Profile	Unknown population profile, Approx. 483,000 calls per annum (2011-2012; Lifeline, 2012)				
% Target Pop'n	12% (1 9mill) Austs acc	er annum (2011-2012; Liteline, 2 essed MH services; 35% (1.12m	nill) of ML accessed MH		
% rarget Pop n		(ABS, 2008); NMHS, 2007	iii) oi ivii dooddaa ivii i		
Avg contact hours		off calls; 21 mins (average durat			
and timeframe per	On call 24 hrs rapid resp Real-time online chat ro	oonse to acute MH crisis in comr	nunity		
activity (if applic)					
Workforce	Trained volunteers/ trained MHP				
Gross Cost per activity (If applic)					
Evidence Base					
Level of Evidence:	Sig reductions in suicidal Potential to be effective referral and action plant for improvement in outre re-attempt, particularly will Suicide risk assessment improvement of referral		call, but not at follow-up. distress, with acceptable ugh of such referrals. Need v-up of referrals and reduce to die at end of call. cal for prevention, as is		
Key Reference:	improvement of referral database and outreach strategies. Kalafat J, Gould MS, Munfakh JL, Kleinman M. An evaluation of crisis hotline outcomes. Part 1: Nonsuicidal crisis callers. An evaluation of crisis hotline outcomes. Part 2: Suicidal callers. [Suicide Life Threat Behav. 2007] Hawton and van Heeringen (2009) (web based programs)				
Limitations of Evidence:	 Results shown for suicidal callers only (Gould et al, 2007) N = 1, 085 baseline suicidal callers. N = 380 follow-up callers (drop out rate = 64.7%) (those followed up 3 weeks later). Average time between baseline and follow-up = 13.5 days Overall referral rate provided was for those who were in baseline only, comprising referral to existing therapists/services and to new services. Data provided for Rescue procedure rate, Overall referral rate and action plan rate was for baseline sample, whilst referral follow-through rate was for those participating in follow up no control, no randomisation, very small sample, large loss to follow-up 				
Recommendations for future research:					

1.2.2 Service Category - Prevention of Depression and Anxiety

1.2.2.1 Service Element: Indicated Prevention (Screening and Intervention)

Service Activity – School-Based- Anxiety (7-17 yrs)

Service Activity – School-based-Depression (5-18 yrs)

Service Activity – Parent Training and Family Strengthening (pre-school)

Attribute	Details				
Description	CBT – Children	CI			
Fundamental Attributes	Cognitive behavioural the	, OF			
Service specification	s and suggested modellir	d modelling attributes			
Activity:	School-Based- Anxiety School-based- Depression		Parent Training and Family Strengthening (pre-school)		
Target Age:	5-18 yrs	5-18 yrs	18-64 yrs		
Target Pop'n Profile	any anxiety illness: 31.9% (13-18yrs) (USA NCS-A; Merikangas et al, 2010)	depressive illness: 3.7% (6- 17yrs) (CAC-NSMHW; Sawyer et al, 2001)			
% Target Pop'n	31.9% (13-18yrs)	3.7% (6-17yrs)			
Avg contact hours and timeframe per activity (if applic)	F2F CBT: 9 (8-15) sessions, 50-70 mts per session. Web-based CBT (MoodGYM): 5 modules, 20-40 mts per module.	10 (4-15) sessions, 70-90 mts per session	Social Learning and CBT (e.g. Positive Parenting Program (Triple P), Parental Education Program [PEP]) Triple P: weekly (30-90 min) se delivered over 1-4 months for children with behaviour problems; PEP: 3 weekly 2 h group sessions and a booster se 1 month later, 2 month in total		
Workforce	GRAD / Teacher / MHP	GRAD / Teacher / MHP	Triple P: MHP / nurses with accredited training; PEP: MHP		
Gross Cost per activity (If applic)					
Evidence Base					
Level of Evidence:	1 sufficient evidence of effectiveness Literature references are based on adolescents	1 sufficient evidence of effectiveness	1 sufficient evidence of effectiveness Triple P: 5 RCTs with 6 mo-3 yrs FU vs. waitlist		
	based on adolescents	FRIENDS: d= 0.31 (post- test); d= 0.19 (12 mo FU).	3 yrs FU vs. waitlist controls. FU's effectiveness		

Version AUS V1 October 2013 TRIM Ref: H12/35030

54

	FRIENDS: d= -0.20 (post-test); d= 0.10 (12 mo FU). MoodGYM: d= 0.15 (post-test); d = 0.25 (6 mo FU). (ES are compared to control condition- waitlist)	MoodGYM: d (males)= 0.41 (post-test); d (males)= 0.27 (6 mo FU); d (females)= 0.06 (post-test); d (females)= 0.05 (6 mo FU). (ES are compared to control- waitlist)	is uncertain. Effective for child anxiety and stress,; PEP: 2 RCTs (6 mo and 1 yr FU) in Australia. Effective in prevention of child anxiety illnesss. (no specific statistics reported)
	53% of indicated CBT- based trials for teenagers reported positive effects in reducing anxiety symptoms	60% of indicated CBT- based trials for teenagers reported positive effects in reducing depressive symptoms	CITATION
Key Reference:	#, (Christensen 2011)	#, (Christensen 2011)	# (Bayer et al 2009
Limitations of Evidence:	School-Based- Anxiety (7-17 yrs)	CIRCULAT	Most programs focus on behaviour problems. There are some programs effective for reducing emotional problems (anxiety and stress), such as PEP and Triple P in preschool aged Australian children. However, risk of bias in these studies were high
Recommendations for future research:		COF	

Service Activity – General Adults – CBT (Group, individual) - Depression

Service Activity - General Adults - CBT (web-based) - Depression

Attribute	Details			
Description	General Adults – CBT (Group, individua	General Adults – CBT (Group, individual)- Depression		
Fundamental Attributes	,			
Service specifications	s and suggested modelling attributes			
Activity:	General Adults – CBT (Group, individual)- Depression	General Adults – CBT (web-based) – Depression		
Target Age:	18-64 yrs	18-64 yrs		
Target Pop'n Profile	any affective illness: (16-85yrs) (Slade et al, 2007)	any affective illness: (16-85yrs) (Slade et al, 2007)		
% Target Pop'n	6.2%*	6.2%		
Avg contact hours and timeframe per activity (if applic)	Group: 8 (6-12), 2 hrs per session. Ind: 1 f2f contact, 6 telephone contacts, self-help book	8 (4-12), mts=?		
Workforce	MHP/ GRAD	GRAD		
Gross Cost per activity (If applic)				

Evidence Base	A sufficient address 6 66 6	A sufficient suiden C CC C
Level of Evidence:	1 sufficient evidence of effectiveness Grp: RR=0.65; Ind: RR=0.74. RR is at FU, compared to TAU	1 sufficient evidence of effectiveness d=0.56 (-0.710.41) at post-test vs c group/ TAU
	The typical Indicated preventive intervention is an 8 se group-based using CBT as content (e.g. Coping With Depression CWD) with a reduced risk of developing major depression of 35%.	Web-based CBT can significantly red depressive symptoms with an effect of .56 at post-test. The typical interverse includes 8 modules. Supported web-based CBT is significantly more effect with greater retention.
Key Reference:	#, (Munoz et al. 2010)	# (Richard, 2012)
Limitations of Evidence:		20
Recommendations for future research:		960.
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1.2.2.2 Service Element: Universal Prevention

Service Activity – School-Based (primary) CBT- Anxiety (7-13 yrs)

Service Activity – School-based (Primary) – CBT Depression (5-19 yrs)

Service Activity – School-based (Teenage) – CBT Anxiety (12-17 yrs)

Service Activity – School-based (Teenage) – CBT Depression (5-19 yrs)

Service Activity – School-based (Primary) – CBT Anxiety (12-17 yrs)

Attribute	Details	Details				
Description	CBT – school ba	CBT – school based				
Fundamental Attributes	Cognitive behavioural therapy					
Service specifications and suggested modelling attributes						
Activity:	School-Based (primary) CBT- Anxiety (7-13 yrs)	School-based (Primary) – CBT Depression (5-19 yrs)	School-based (Teenage) – CBT Anxiety (12-17 yrs)	School-based (Teenage) – CBT Depression (5-19 yrs)	School- based (Primary) – CBT Anxiety (12-17 yrs)	
Target Age:	7-13 yrs	5-19 yrs	12-17 yrs	5-19 yrs	12-17 yrs	
Target Pop'n Profile		depressive illness: 3.7% (6-17yrs) (CAC- NSMHW; Sawyer et al, 2001)				
% Target Pop'n	31.9% (13-18yrs)	4.8% males, 4.9% females (13-17yrs)	31.9% (13- 18yrs)	4.8% males, 4.9% females (13-17yrs)	31.9% (13-18yrs)	
Avg contact hours and timeframe per activity (if applic)	9 (8-10) + 2 booster (50-70 minutes/ session)	8-12 sessions	9 (5-10) sessions,50- 70 mts	CBT, psychoeducati on 8-12 sessions	9 (5-10) sessions,50- 70 mts	
Workforce	GRAD / Teacher / MHP	GRAD / Teacher / MHP	MHP, GRAD/ teachers	MHP, GRAD/ teachers	GRAD / Teacher / MHP	
Gross Cost per activity (If applic)						
Evidence Base						
Level of Evidence:	1 sufficient evidence of	1 sufficient evidence of effectiveness	1 sufficient evidence of effectiveness	1 sufficient evidence of effectiveness	1 sufficient evidence of effectiveness	

TRIM Ref: H12/35030

Version AUS V1 October 2013 57

	effectiveness FRIENDS (grade 6): d=0.55 (12 mo FU, compared to control condition) 60% of universal CBT- based trials for teenagers reported positive effects in reducing anxiety symptoms	RD -0.09 (95% CI -0.14 0.05), p=0.0003 at post-test. Effect are up significant to 12 mo, but not at 24 mo FU. (compared to no intervention) The typical universal preventive intervention is an 8-12 se school-based using CBT as content with a reduced risk of developing a depressive illness of RD - 0.09 at post-test.	SIT: d=1.61 (post-test, within group; d=1.19 sy FU, within group) 60% of universal primary school CBT-based trials reported positive effects in reducing anxiety symptoms	RD: -0.09 (95% CI -0.14-0.05), p=0.0003 at post-test. Effect are up to 12 mo, but not to 24 mo The typical universal preventive intervention is an 8-12 se school-based using CBT as content with a reduced risk of developing a depressive illness of RD -0.09 at post-test.	FRIENDS (grade 9): d=0.17 (12 mo FU, compared to control condition) 60% of universal primary school CBT- based trials reported positive effects in reducing anxiety symptoms
Key Reference:	#, (Christensen 2011)	# (Merry et al 2012)	#, (Christensen 2011)	# (Merry et al 2012)	#, (Christensen 2011)
Limitations of Evidence:		Effect are up to 12 mo, but not to 24 mo.		Effect are up to 12 mo, but not to 24 mo.	
Recommendations for future research:					
Recommendations for future research:	FIDE				

1.2.3 Other Service Elements reviewed but not included in the Suicide/ Depression/ Anxiety Prevention Categories due to evidence level

Category - Element - Activity: Prevention of Suicide, Suicide Ideation and Behaviour - Gatekeeper Training (professional) - Gatekeeper Training (General Practitioners)

This service activity is a combination of training for GPs and joint telephone hotline with mental health professionals. Promotion and prevention working group members agreed that the training for GPs belongs in the prevention stream and the subsequent interventions with the person with mental illness belongs to the primary care part of the Taxonomy. Members agreed for inclusion in that part of the Taxonomy. Given there is already mental health training given to GPs in Australia, members agreed not to model training for 100% GPs but rather try embedding into the continuing education program for GPs. The Service Activity — Gatekeeper Training (General Practitioners) was removed.

Attribute Details			
Pundamental Attributes	For General Practitioners in Primary Care: 1) Connecting with own attitudes and their impact on intervention 2) Knowledge and skills in risk factors, identification and assessment of risk, development of intervention plan 3) Present model for effective intervention with at risk person, simulate and observe process in role plays 4) Provide information on local referral resources and referral practices. RATIONALE FOR only medical CATEGORY: Justification for delineation from other professionals > specific content and delivery features for GP that are not relevant for non-medical professionals (van der Feltz et al 2011) Neither van der Feltz or Mann use a general heading for "Professionals" – they always split into GP and other community based professional gatekeepers 1) use of screening tools for depression and suicide risk e.g. Patient Health Questionnaire (PHQ-9) 2) information on treatment of depression and suicidality (based on existing national guidelines) 3) information on pharmacological treatments and relation to suicide risk 4) information on high risk populations.		
	 4) information on high risk populations. Most likely to be effective when supplemented by tools to facilitate GPs: 5) telephone helpline providing psychiatric consultation 6) guidelines outlining referral options for at risk people to local MH services 		
Service specifications	7) information pamphlets/posters for vulnerable populations in waiting rooms. ns and suggested modelling attributes		
Target Age:	16-85yrs		
Target Pop'n Profile	mentally ill accessing Community based providers		
% Target Pop'n	7.9% (of 3.2 mill with MI) (16-85yrs), #12 (ABS, 2008) #13 Burgess et al 2009); NMHS; 2007: 34.6%; GP: 24.7%; Psychologist: 13.2%; Psychiatrist:		
Avg contact hours and timeframe per activity (if applic)	2 days (3 hrs – 5 days) (Isaac et al, 2009). Booster sessions recommended, teleconferencing and videoconferencing when local experts not available (Mann et al 2005)		
	3-4 sessions x > 3 hrs, group format (role plays), embed within continuing medical education or professional supervision Periodic delivery.		
Workforce	Delivery: Members of GP primary care organisations. Psychiatric consultation for		

	GPs via telephone hotline recommended. Audience: NA
Evidence Base	
Level of Evidence:	 Level of evidence: 2 – all cohort, some consistent effects > however, strongly endorsed as most promising by van der Feltz and Mann = likely to be effective in short term when part of multi-component strategy Unique effect of gatekeeper programs difficult to accurately assess, as GP gatekeeper always delivered as part of multilevel strategy – indeed, Mann and van der Feltz suggests most effective when instituted as part of multipronged attack – ensures downstream care and referral pathways remain open, and complemented by awareness in other professional roles EFFECTIVENESS STATISTICS: EAAD Sweden, Hungary, Germany: cohort studies of primary care physician education – o some significant, other non significant effects on suicidal acts (suicide attempts and completed suicides), suicide rate – some not maintained over long term.
	 Quote statistic for "Nuremberg Alliance against Depression" (NAAD) study in Germany: multilevel approach incl. professional gatekeeper (Hergerl et al) – sig decrease in suicidal acts (suicide attempts and completed suicides), and deaths by 24% compared with control region. Hegerl U, Althaus D, Schmidtke A, et al. The alliance against depression:2-year evaluation of a community-based intervention to reduce suicidality. Psychol Med. 2006;36:1225–1233 24% sig reduction in suicidal acts (SA) and suicide rate (SR) (Hegeral et al, 2006) Likely to be effective in short-term improvement in knowledge, identification, and referral of suicidal people, and in short-term reduction in suicide rate. However, effect often diminishes or lost over time, with booster training sessions suggested to ensure long-term maintenance of preventive effect (Mann et al, 2005). Facilitatory tools may augment effect. Preventive potential depends on clear fast track to treatment being available. Furthermore, often implemented within multilevel interventions, so unique effect of gatekeeper programs remains unclear. Effect may occur mainly through improved identification and treatment of underlying mental illness (particularly depression via prescription of anti-depressants) (Mann et al, 2005). Embedding within primary care institutions and educational activities essential to facilitate implementation and ensure sustainability (van der Feltz, 2011). Likely to be effective only when part of chain of care where effective treatments are available. Institutional settings may be particularly suited to program implementation. (Isaac et al, 2009).
Key Reference:	Isaac et al (2009) – only GP, van der Feltz and Mann, NAAD study in Germany,
Limitations of Evidence:	 Van der Feltz (2011) suggests training alone may not be enough > other facilitatory measures may augment effect. Need clear fast track to available treatment in order for preventive effect to occur / be maximised
57	Likely to be effective in short-term improvement in knowledge, identification, and referral of suicidal people, and in short-term reduction in suicide rate. However, effect often diminishes or lost over time, with booster training sessions suggested to ensure long-term maintenance of preventive effect (Mann et al, 2005).
Recommendations for future research:	

Category - Element - Activity: Prevention of Suicide, Suicide Ideation and Behaviour - Gatekeeper Training (professional) - Gatekeeper Training (Community)

This service element was also removed for the reasons outlined above.

Category - Element - Activity: Prevention of Suicide, Suicide Ideation and Behaviour - Gatekeeper Training (professional) - Gatekeeper Training (Schools)

Evidence is also less robust in preventing suicide behaviour, but it could be argued that it is having a positive effect on the cultural environment, skills and awareness of students in schools which could have subsequent effects against suicide. Recommended for further research. The Service Activity School-based Prevention Programs – Gatekeeper Training (Schools) was removed.

Attribute	Details	
Description	Gatekeeper training (school staff specific)	
Fundamental Attributes		
Service specification	s and suggested modelling attributes	
Target Age:		
Target Pop'n Profile	Audience: teachers/school counsellors/peer leaders.	
% Target Pop'n	12 month prevalence: SI: 3.4%; SP: 1.0%; SA: 1.1%* (16-24yrs); #8, Johnston et al 2009; NMHS; 2007	
Avg contact hours and timeframe per activity (if applic)	1-1.5- 8 hrs; 1-2 sessions	
Workforce	MHP/trained volunteers.	
Gross Cost per activity (If applic)	70,	
Evidence Base		
Level of Evidence:	Data not available.	
Key Reference:	#75 Robinson et al (2012)	
Limitations of Evidence:	Limited evidence exists to support implementation of gatekeeper programs for school staff (increases in knowledge, attitudes, self-efficacy, some evidence for suicide prevention activities).	
Recommendations for future research:	Controlled studies are necessary though to determine optimal content, frequency and confirm effect for suicide prevention, and long-term outcomes overall.	

Category - Element - Activity: Prevention of Suicide, Suicide Ideation and Behaviour - Prevention of Online Contagion around Suicide - Online

No data available. Members agreed not to include this service element or activity in the Taxonomy but to recommend for further research. The Service Element Prevention of Online Contagion around Suicide and service activity Prevention of Online Contagion around Suicide were removed.

Attribute	Details		
Description	Prevention of Online Contagion around Suicide		
Fundamental Attributes			
Service specification	s and suggested modell	ing attributes	
Target Age:	12-17yrs	18-64 yrs	65+ yrs
Target Pop'n Profile			O _k
% Target Pop'n	1-5% of suicides are part of a cluster (Gould, Wallestsein and Kleinman, 1987). Clusters account for approximately 0.016-0.08% of suicide deaths in the Australian population		
Workforce	Real-time online chat ro	oms.	
Evidence Base			
Level of Evidence:	No understanding of undare affected by online sunderstanding of undared by online sunderstanding of undared by online sunderstanding of understanding of undared by online sunderstanding on	ow, why or what occurs in online cont derlying mechanisms, real-time sprea- nicides armful iatrogenic effects (e.g pro-suici However, online media also holds poupport of bereaved etc. To date, no re	d, how young people ide) to which youth are otential as information
Key Reference:	Hawton and van Heering	gen (2009); Hawton (2012); Cox et al	(2012)
Limitations of Evidence:	.0		
Recommendations for future research:	interventions to harr Cited references tha field Need better underst contagion. More res	esearch and development, piloting and ess online for good, not harm at call for more research and outline manding of suicide and self harm clusted earch needed, as currently mechanisticlear, as are best-practice guidelinestry for youth)	nain challenges for ers and social ms underlying

EXHIBIT 233
NMHSPF: Service Element and Activity Descriptions

Category - Element - Activity: Prevention of Suicide, Suicide Ideation and Behaviour - Prevention of Online Contagion around Suicide - Community

No data available. Members agreed not to include service element or activity in the Taxonomy but to recommend for further research. Members suggested there could be some interventions provided to Indigenous communities that has resulted in a reduction in the suicide rate. The service element Service Element – Prevention of Online Contagion around Suicide and service activity Methods Preventing Contagion around Suicide – Community were removed.

Attribute	Details		
Description			
Fundamental Attributes			
Service specification	s and suggested modell	ing attributes	
Target Age:	12-17yrs	18-64 yrs	65+ yrs
Target Pop'n Profile			4
% Target Pop'n		t of a cluster; #85 (Gould et al 8% of suicide deaths in the Au	
Avg contact hours and timeframe per activity (if applic)		CULK	
Workforce			
Gross Cost per activity (If applic)		8-0.	
Evidence Base			
Level of Evidence:	Literature largely explores possible underlying reasons for suicide clusters, or relates to identification of clusters		
	Research mainly centres suicide and susceptible	s around youth – as thought to to contagion	be most sensitive to peer
		ng of suicide and self harm clu	sters and social contagion.
Key Reference:	#71 Hawton et al (2012)		
Limitations of Evidence:			
Recommendations for future research:		as currently mechanisms unde ctice guidelines in managing co	

EXHIBIT 233
NMHSPF: Service Element and Activity Descriptions

Category - Element - Activity: Prevention of Suicide, Suicide Ideation and Behaviour - Crisis Intervention (Phone and Internet Help Lines) – 24 hr Crisis Teams

The 24 hr crisis teams service element and activity belongs in other parts of the Taxonomy. The Service Element Crisis Intervention (Phone and Internet Help Lines) and Service Activity – Community Crisis Intervention – 24 hr Crisis Teams were removed.

Attribute	Details		
Description	Community Crisis Intervention – 24 hr Crisis Teams		
	Role of team: A single point of access for people in crisis; available 24 hours a day; provide prompt short-term response to mental health crisis in the community until other services available.		
Fundamental Attributes	C		
Service specification	s and suggested modell	ing attributes	
Target Age:	12-17yrs	18-64 yrs	65+ yrs
Target Pop'n Profile		35% (16-85yrs)	
% Target Pop'n	12% (1.9mill) Austs. accessed MH services; 35% (1.12mill) of MI accessed MH services (16-85yrs); (ABS, 2008); NSMHW 2007		
Avg contact hours and timeframe per activity (if applic)	On call 24 hrs rapid response to acute MH crisis in community		
Workforce	MHP trained in acute MH in community based services		
Gross Cost per activity (If applic)	108		
Evidence Base			
Level of Evidence:	Level of evidence 5:may be effective only one Level III-3 study (sig results; interrupted time series without control) yet only one in UK so no consistent evidence of effect Pre-post: Sig. Reduction in suicide rates from 11.44 to 9.32 per 10 000 patient contacts (p<.0001)		
Key Reference:	While et al (2012)		
Limitations of Evidence:	Limited evidence from pre-post study in UK. Translation / replicability in Australian context unknown, as are long-term effects. No controlled studies . Insufficient evidence to recommend implementation.		
Recommendations for future research:			

Category - Element - Activity: Prevention of Suicide, Suicide Ideation and Behaviour - Crisis Intervention (Phone and Internet Help Lines) – Community Crisis Intervention Internet Helpline

Very limited evidence base however, despite the lack of serious empirical evaluation, there are services that have existed for several years and continue to attract funding from increase in utilisation, which could be construed as positive evidence. Members agreed not to include this service activity and recommend for future research. The Service Element Part of Service Element Crisis Intervention (Phone and Internet Help Lines) and Service Activity Community Crisis Intervention Internet Helplines were removed.

Category - Element - Activity: Prevention of Suicide, Suicide Ideation and Behaviour - School Based Prevention Programs – Targeted screening of at risk youth

Screening process is effective where there are referral pathways to effective and evidence based treatment. Screening can happen in school environments and then therapeutic interventions happen in clinical settings. Members concerned that the success is subject to the quality of the treatment, not the screening itself. Therefore, members agreed not to include the activity at this time, but recommend it for further research. The service element School Based Prevention Programs – Targeted Screening and service activity School Based Prevention Programs – Targeted Screening were removed.

Attribute	Details	
Description	MH and suicide risk screening of at-risk youth Two stages: 1) brief screen to identify at-risk individuals. 2) In-depth f2f clinical assessment of those indicated individuals to determine who requires ongoing support	
Fundamental Attributes	need to weigh up cost effectiveness whole school vs targeted, need appropriate culturally valid screening tool, high false negative and false positive rate when universal screening; often miss those at suicide risk, as suicidality is transient therefore, need regular screening.	
Service specification	s and suggested modelling attributes	
Target Age:	12-18yrs	
Target Pop'n Profile	School staff (teachers, counsellors).	
% Target Pop'n	12 month prevalence: SI: 3.4%; SP: 1.0%; SA: 1.1%* (16-24yrs); #8, Johnston et al 2009; NMHS; 2007	
Avg contact hours and timeframe per activity (if applic)	COR-	
Workforce	Audience: School staff (teachers, consellors).	
Gross Cost per activity (If applic)	40	
Evidence Base		
Level of Evidence:	4 likely to be effective Mann et al (2005) = not recommended (may have negative results and trigger vulnerable people, need to weigh up cost effectiveness whole school vs targeted, need appropriate culturally valid screening tool, high false negative and false positive rate when universal screening; often miss those at suicide risk, as suicidality is transient therefore, need regular screening. 4-45% students identified as at risk; > 50% referral rate (average) Targeted screening of high risk individuals potential to be effective in identifying those with known risk factors when a sensitive and valid screening tool is used.	
RAF	Some indication of preventive suicide effect, but contingent upon clear referral pathways to available treatments. Strategy is problematic when identifies at risk individuals, but treatment is unavailable. Does not cause undue distress (Robinson et al, 2012). In the absence of appropriate school-based indicated interventions, individual therapeutic interventions should be delivered in clinical settings only.	
Key Reference:	Mann et al (2005) Robinson et al (2012) = potential for effectiveness	
Limitations of Evidence:	, , , , , , , , , , , , , , , , , , ,	
Recommendations for future research:		

EXHIBIT 233
NMHSPF: Service Element and Activity Descriptions

Category - Element - Activity: Prevention of Suicide, Suicide Ideation and Behaviour - School Based Prevention Programs – School-based Postvention – Other strategies

Attribute	Details		
Description	DETAILS OF OTHER POSTVENTION STRATEGIES		
	6 main approaches: 1) Community response team [see below] 2) educational/psychological debriefings 3) individual and group counselling 4) screening of high-risk 5) responsible media reporting (particualrly social media) 6) promotion of healthy community recovery Only one strategy has been empirically evaluated, and only then in immediate effect, so only include this strategy: community response team and plan (School-based Postvention – Crisis Response Plan and Teams)		
Fundamental Attributes			
Service specification	Service specifications and suggested modelling attributes		
Target Age:	12-18 yrs		
Evidence Base			
Level of Evidence:	(<u>Level of evidence 4</u> for crisis teams: <u>only 2 pre-post case studies – Level IV studies</u>)		
Key Reference:	,00		
Limitations of Evidence:	2011		
Recommendation s for future research:	CONCLUSION: Literature is descriptive, no empirical evaluation of these strategies. In absence of evidence indicating otherwise, solid recommendations for the use of these strategies cannot be made. Furthermore, Cox et al (2012) suggests looking to broader interventions found to be effective in preventing suicide and identifying at risk youth, and general population, to inform future cluster postcention programs. Also recommends updating of guidelines to take into account social media, email and mobile phone technologies.		

Category - Element - Activity: Prevention of Suicide, Suicide Ideation and Behaviour - School Based Prevention Programs – School-based Postvention – Crisis Response Plan and Team

Limited empirical evidence but supports some short term containment and identification of at-risk individuals. Some of the resources that perform this function currently exist as part of a larger role (e.g. crisis team or acute mental health services). However, the need for specialised expertise was noted and therefore the need for specialist team. Members agreed not to include the service element but recommend it for further research. The Service Element Reduce Stress and Contagion Following Suicide in Schools and the Service Activity – School Based Postvention were removed.

1			
	Attribute	Details	
	Description	Crisis response plan and team	
		Role of team:	
		1) investigate the suicide event	
		2) provide immediate frontline support to distressed individuals	
		3) implement postvention strategies (e.g. liaise with media, police, school officials,	
		deceased family; debrief peers and teachers; screen and assess high-risk peers;	
		referral of high-risk peers to local MH services; offer gatekeeper training to key	

	stakeholders [teachers, parents]).	
	Timeframe of delivery: Development of plan: pre-existing. Roll-out of plan and team: immediate (day after suicide event).	
	Format of delivery: Group psychoeducation and debriefing; f2f screening and referral; f2f and group meetings with stakeholders	
Fundamental Attributes	Key elements critical to an effective crisis team response: - Adequate training (e.g. post-traumatic stress management; suicide intervention) of crisis team, - immediate set-up of team and timely implementation of plan, - collaborative approach using existing partnerships Success of team also contingent upon having plan in place before SA/SE, and effective treatment services being available to receive referrals.	
Service specification	s and suggested modelling attributes	
Target Age:	12-18 yrs	
Target Pop'n Profile	High School Students who have been exposed to suicide in the school.	
% Target Pop'n	1-5% of suicides are part of a cluster (Gould, Wallestsein and Kleinman, 1987); contagion estimated to be key factor in 60% suicides in youth (Davidson et al, 1989)	
Avg contact hours and timeframe per activity (if applic)	Variable.	
Workforce	Leaders: Community-based MH trauma teams (trained in PTSD). Collaborating agencies: law enforcement (police, coroner); school staff; local MH treatment services; local media and community liaison; parents.	
Gross Cost per activity (If applic)		
Evidence Base		
Level of Evidence:	4 likely to be effective	
	39 high-risk individuals identified and referred by team to MH services (Askland et al, 2003). Only one unrelated suicide recorded following crisis team operation, and steady decrease in hospitalisations for SA over following 2 years (Hacker et al, 2008)	
	Literature predominantly descriptive, very limited empirical evaluation (particularly of long-term). Initial tentative suggestion of some positive short-term effects on identification, referral of at-risk peers and containment of suicide contagion however controlled, long-term evaluation of crisis teams is lacking.	
Key Reference:	Askland, K. D., Sonnenfeld, N., and Crosby, A. (2003). A public health response to a cluster of suicidal behaviors: Clinical psychiatry, prevention, and community health. Journal of Psychiatric Practice, 9, 219–227. doi 00131746-200305000-00005	
5 x	Hacker, K., Collins, J., Gross-Young, L., Almeida, S., and Burke, N. (2008). Coping with youth suicide and overdose: One community's efforts to investigate, intervene, and prevent suicide contagion. Crisis, 29, 86–95 Cox et al (2012); Beautrais (2000)	
Limitations of	00x 6t at (2012), Deautiats (2000)	
Evidence: Recommendations		
for future research:		

Category - Element - Activity: Prevention of Depression and Anxiety – Targeted Early Childhood Programs – Home Visiting Programs for Disadvantaged New Mothers and Babies

There is only limited evidence supporting the value of home visiting programs on anxiety and depression. One report did have evidence for the PPP program and so that could be recommended for anxiety. There are important outcomes for social and cognitive development and therefore, home visiting programs would only be included if social and cognitive development was an outcome measure. Members agreed to remove the service element and the service activities from the Taxonomy. **Note**: Programs such as PPP (Positive Parenting Program) and PEP (Parental Education Program) are also described in Parenting Training and Family Strengthening Service Element.

Attribute	Details		
Description	Home Visiting Programs for Disadvantaged New Mothers and Babies		
Fundamental Attributes	0-01		
Service specification	s and suggested modelling attributes		
Target Age:	16-64yrs		
Target Pop'n Profile	Mothers with new babies up to ?months.		
% Target Pop'n			
Avg contact hours and timeframe per activity (if applic)	1 to 3-13 visits per year (minutes per visit is unknown)		
Workforce	MHP/ Specially trained lay providers		
Gross Cost per activity (If applic)	, OP		
Evidence Base			
Level of Evidence:	No evidence for improving maternal psychosocial health or outcomes for children (2007). 2012: Most studies reported some degree of effectiveness on child maltreatment, improvement in children's cognitive and social development		
Key Reference:	# (Bennet et al., 2007), # (WA, 2012)		
Limitations of Evidence:	No statistically significant differences between intervention and control condition (TAU, or not described) for mothers on depression (SMD=-0.08 (95%CI -0.26,0.11, I(2)=63%) and anxiety (P=.85). (no data on child internalizing illnesses)		
Recommendations for future research:			

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Department for communities. Parenting WA home visiting Literature review (2012). Government of Western Australia, Department for communities Parenting WA

Category - Element - Activity: Prevention of Depression and Anxiety – Indicated Prevention (Screening and Intervention) - Diet Quality

Members agreed this service activity is not for inclusion now. The Service Activity was removed.

Attribute	Details	
Description	Diet Quality	
Fundamental Attributes	Note: Dietary improvement is: no processed food, no red meat, no take away. But: vegetables and fruit.	
Service specification	s and suggested modelling attributes	
Target Age:	All Ages	
Target Pop'n Profile	any affective illness	
% Target Pop'n	6.2% (16-85yrs) (Slade et al, 2007)	
Avg contact hours and timeframe per activity (if applic)	N.A.	
Workforce	N.A	
Gross Cost per activity (If applic)		
Evidence Base		
Level of Evidence:	6 no evidence of effectiveness Evidence suggests there is an association between diet quality and affective illnesses.	
Key Reference:	# (Jacka et al 2012)	
Limitations of Evidence:	There are no RCTs published yet, but several are currently in preparation.	
Recommendations for future research:		

Category - Element - Activity: Prevention of Depression and Anxiety – Indicated Prevention (Screening and Intervention) - Exercise

Effectiveness shown in reducing symptoms of existing depression, not necessarily in preventing depression. Members agreed not to include exercise at this time. The Service Activity – Exercise was removed.

Attribute	Details
Description	Exercise
Fundamental Attributes	
Service specifications and suggested modelling attributes	
Target Age:	All Ages
Target Pop'n Profile	any affective illness: 6.2% (16-85yrs) (Slade et al, 2007)
% Target Pop'n	6.2% (16-85yrs)
Avg contact hours and timeframe per activity (if applic)	No data available (DIAGNOSIS) Structured, supervised exercise programmes
	3 per week (45-60 mts) for 10-12 weeks
	Note:-amount of hours training is based on NICE guideline 2007 and is cited in

	Mead et al. 2010.
Workforce	Sport instructor
Gross Cost per activity (If applic)	
Evidence Base	
Level of Evidence:	1 sufficient evidence of effectiveness
	Exercise seems to improve depressive symptoms in people with a diagnosis of depression, but when only methodologically robust trials are included, the effect sizes are only moderate and not statistically significant. SMD= -0.82 (95% CI: -1.120.51) – high quality studies.SMD= -0.42 (95% CI: -0.88- 0.03)
Key Reference:	# (Mead et al., 2010)
Limitations of Evidence:	Note: Mead is based on diagnosis of depression. There is very limited evidence for prevention exercise interventions for depression (Dunn, 2008).
Recommendations for future research:	

Category - Element - Activity: Prevention of Depression and Anxiety – Indicated Prevention (Screening and Intervention) – Exercise (children and adolescents (<21 yrs))

Evidence not as strong as other interventions and assumption is that the exercise would be in addition to exercise programs conducted in school environments. Members discussed the various models but agreed this service activity is not for inclusion now in the Taxonomy and recommended for future research. The Service Activity – Exercise (children and adolescents (<21 yrs)) was removed.

Attribute	Details
Description	Exercise (children and adolescents (<21 yrs))
Fundamental Attributes	
Service specifications and suggested modelling attributes	
Target Age:	<21 years
Target Pop'n Profile	any affective illness
% Target Pop'n	6.2% (16-85yrs) (Slade et al, 2007)
Avg contact hours	Vigorous exercise (aerobic exercise, weight lifting)
and timeframe per activity (if applic)	45 min (20-90), 3 times a week, min of 4 weeks
Workforce	Sport instructor
Gross Cost per activity (If applic)	
Evidence Base	
Level of Evidence:	1 sufficient evidence of effectiveness
	Anxiety: SMD= -0.48 (95%CI: -0.97-0.01; ns). Depression: SMD= -0.66 (95% CI - 1.250.08 sig) compared to no intervention at post-test
Key Reference:	# (Larun, 2009)

Limitations of Evidence:	Exercise has a small effect in reducing depression and anxiety scores in the general population of children and adolescents, but research is scarce and of low methodological quality.
Recommendations for future research:	

Category - Element - Activity: Prevention of Depression and Anxiety – Indicated Prevention (Screening and Intervention) – Workplace Screening and Care Management

Limited evidence showing effectiveness. However, issues of discrimination around disclosure prevents inclusion of this activity at this time. The Service Activity – Workplace Screening and Care Management was removed.

	G.	
	Details	
Attribute		
Description	Workplace Screening and Care Management	
Fundamental Attributes	Screening + telephone support +care management	
Service specification	s and suggested modelling attributes	
Target Age:	18-64 yrs	
Target Pop'n Profile	any affective illness: 6.2% (16-85yrs) (Slade et al, 2007)	
% Target Pop'n	6.2% (16-85yrs)	
Avg contact hours and timeframe per activity (if applic)	For patients reluctant for F2F treatment: 8 sessions CBT, 30-40 mts each by phone. For patients agreed to F2F treatment: not described.	
Workforce	Care manager	
Gross Cost per activity (If applic)		
Evidence Base	Evidence Base	
Level of Evidence:	3 inconclusive evidence of effectiveness b=-1.0, p=.01	
Key Reference:	# (Harvey et al in prep)	
Limitations of Evidence:	Screening [followed by care management] can reduce the impact of depression, but the possibility of false positives and the discrimination surrounding disclosure brings into question the usefulness of screening in this environment.	
Recommendations for future research:	Further evidence is needed before wide scale screening can be recommended.	

Category - Element - Activity: Prevention of Depression and Anxiety – Indicated Prevention (Screening and Intervention) – Workplace Stress Management Techniques

Evidence shows CBT effective and members noted the similarities to other service activities and agreed that this activity would be subsumed in General Adults Group and Web Based CBT. The Service Activity – Workplace Stress Management Techniques was removed.

Attribute	Details
Description	Workplace Stress Management Techniques
Fundamental	Cognitive behavioural therapy

Attributes	
Service specifications and suggested modelling attributes	
Target Age:	18-64 yrs
Target Pop'n Profile	any affective illness: 6.2% (16-85yrs) (Slade et al, 2007)
% Target Pop'n	6.2% (16-85yrs)
Avg contact hours and timeframe per activity (if applic)	CBT/PE/PS 7.4 (2-14), no data available for how many mts each session is.
Workforce	N.A.
Gross Cost per activity (If applic)	
Evidence Base	
Level of Evidence:	5 may be effective CBT: pooled d=1.164 (95%CI: 0.46-1.87), p<.01 (post-test, vs control and treatment conditions); all interventions: pooled d=0.53). CBT had moderate levels of evidence for their effectiveness in reducing self-reported stress and symptoms of both depression and anxiety
Key Reference:	# (Harvey et al in prep)
Limitations of Evidence:	C/K-
Recommendations for future research:	10P

Category - Element - Activity: Prevention of Depression and Anxiety – Indicated Prevention (Screening and Intervention) – Pregnancy – Individual and Group CBT

Group based psychoeducation study claimed better results than CBT. There is some uncertainty on the reliability of results across different studies. Not for inclusion at this time, but recommended for further research. The Service Activity — Pregnancy — Individual Group CBT was removed.

Attribute	Details
Description	Pregnancy – Individual and Group CBT
Fundamental Attributes	Cognitive behavioural therapy
Service specifications and suggested modelling attributes	
Target Age:	18-64 yrs
Target Pop'n Profile	
% Target Pop'n	13% (munoz)
Avg contact hours and timeframe per activity (if applic)	GRP: PE: 8 se, 2 hrs / CBT: 12 se,? Hrs; IND: PS: 9 phone calls (min=4), 14 mts per call.
Workforce	MHP
Gross Cost per activity (If applic)	
Evidence Base	

Level of Evidence:	3 inconclusive evidence of effectiveness RR: PS:0.65; PE: 0.43; CBT:0.57 at FU compared to TAU
	Significant preventive effects were demonstrated only in the psycho-educational study. This is an 8 sessions, 2 hrs group-based psycho-educational study to prevent Major Depressive Disorder (MDD) in pregnant women with a relative risk reduction of 57%
Key Reference:	#, (Munoz et al. 2010)
Limitations of Evidence:	
Recommendations for future research:	

Category - Element - Activity: Prevention of Depression and Anxiety – Indicated Prevention (Screening and Intervention) – Child and Adolescent Web-based CBT

Attribute	Details				
Description	Child and Adolescent Web-based CBT				
Fundamental Attributes					
Service specification	s and suggested modelling attributes				
Target Age:	All Ages				
Target Pop'n Profile					
% Target Pop'n					
Avg contact hours and timeframe per activity (if applic)	CBT Self-guided 5 modules (20-40 mts)				
Workforce					
Gross Cost per activity (If applic)					
Evidence Base					
Level of Evidence:	3 inconclusive evidence of effectiveness				
COF	Anxiety: d= 0.15 (post-test); d=0.25 (6 mo FU). Depression: d=0.43 (males only, post-test), d=0.27 (6 mo FU). All significant. ES is compared to wait-list.				
THO I	There is early support for the effectiveness of internet-based intervention programs for anxiety and depression in children and adolescents. The typical web-based intervention is CBT-based and can be delivered without support.				
Key Reference:	# (Calear et al 2010)				
Limitations of Evidence:					
Recommendations for future research:					

Category - Element - Activity: Prevention of Depression and Anxiety – Indicated Prevention (Screening and Intervention) – General Adults – CBT (Group, Individual) - Anxiety

Individual intervention was more effective than group based interventions and media based interventions were also more effective. Evidence indicates good effects in the short term, but not in the longer term. Therefore, members agreed not to include this activity. The Service Activity General Adults – CBT (Group, individual)- Anxiety was removed.

Attribute	Details				
Description	General Adults – CBT (Group, individual)- Depression/Anxiety				
Fundamental Attributes	Cognitive behavioural therapy				
Service specifications	s and suggested modelling attributes				
Target Age:	18-64 yrs				
Target Pop'n Profile	any anxiety illness: 16-85yrs) (Slade et al, 2007)				
% Target Pop'n	14.4% (
Avg contact hours and timeframe per activity (if applic)	1-10, total time range 30 mts-16 hrs).				
Workforce	MHP				
Gross Cost per activity (If applic)	CIR-O				
Evidence Base					
Level of Evidence:	1 sufficient evidence of effectiveness g= 0.25 for GAD, g=.24 for illness specific symptoms, compared to active control. Significant at post-test, but not at 6 and 12 mo FU. Individually administered media interventions are more effective than human-administered group interventions at preventing Generalized Anxiety Disorder (GAD).				
Key Reference:	# (zalta 2011)				
Limitations of Evidence:	Not Significant at 6 and 12 month follow up.				
Recommendations for future research:					

Category - Element - Activity: Prevention of Depression and Anxiety – Indicated Prevention (Screening and Intervention) – General Adults – CBT (Web-Based) - Anxiety

No evidence to support it. Members agreed not to include it. The Service Activity – General Adults – CBT (web-based) – Anxiety was removed.

Category - Element - Activity: Prevention of Depression and Anxiety – Universal Prevention - Workplace – Training Managers

This service activity is not for inclusion. Level of evidence 7 no evidence of effectiveness, key reference # (Harvey et al in prep). The Service Activity – Workplace – Training Managers was removed.

Category - Element - Activity: Prevention of Depression and Anxiety – Universal Prevention - Workplace Mediation

One randomised control trial showed meditation was effective in reducing symptoms of depression and anxiety in full time workers (Author: Minoka, 2012). Members agreed not to include this activity. Level of evidence 3 inconclusive evidence of effectiveness, key reference # (Harvey et al in prep). The Service Activity – Workplace Meditation was removed.

Category - Element - Activity: Prevention of Depression and Anxiety – Universal Prevention - Workplace - CBT at Times of Transition

There was very little research. Level of evidence 3 inconclusive reference (Harvey et al in prep). The Service Activity – Workplace – CBT at Times of Transition was removed.

Category - Element - Activity: Prevention of Depression and Anxiety – Universal Prevention - Workplace - Resilience Training and Interventions for high-risk occupations

Stress Inoculation training (SIT) level of evidence 4 likely to be effective. Resilience training appears to be an intervention of great interest within certain high-risk groups (e.g. military and emergency services). There is, however, limited evidence that resilience training is effective amongst these groups. Reference # (Harvey et al in prep). Members agreed not to include this activity at this time. The Service Activity – Workplace – Resilience Training and Interventions for high-risk occupations was removed.

1.2.4 References used for Prevention of Suicide/Depression/Anxiety Categories

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Version AUS V1 October 2013 TRIM Ref: H12/35030 79

1.2.5 Service Category – Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising

The content under this category has been adapted from: "Brief Analysis of the Effectiveness of Interventions for the Prevention of Aggression, Violence, Antisocial, Conduct Disorder, Externalising"; prepared by Professor Mark Dadds and Dr Caroline Moul (School of Psychology, University of NSW) for use by the NHMSPF Promotion and Prevention Working Group (October 2013).

1.2.5.1 Service Element - Multi-Level Behavioural Parent Training

Service Activity - Parent Management Training

The best researched intervention for the treatment of early onset externalising behaviour problems and disruptive behaviour disorders is training parents to better manage the child and family. There are a variety of well-developed and researched programs that share common core strategies.

- Programmes to prevent the persistence and development of disruptive behaviour disorders have proven efficacy at both secondary and tertiary levels of intervention. Interventions at the secondary level are effective in reducing the rate of onset of new cases and reducing subclinical symptoms in at-risk populations. Interventions at the tertiary level are effective at reducing diagnostic severity for children with a disruptive behaviour disorder.
- A variety of delivery modes are available, from receipt of written advice through to intense individual therapy. The Triple P model is a world leader in development and evaluation of such a multi-level public health approach to intervention.
- The biggest effects have been associated with group and individual parent training programmes delivered by specialist programme leaders, however, GPs, nurses and other care professionals can be effective program leaders given adequate training and supervision from mental health professionals an encouraging outcome when considering real-world implementation.
- Effect sizes range from -0.97 to 2.19 and the size of the sample has been found to be a significant moderator of effect size with smaller samples (<100) having, on average, significantly greater effect sizes than larger samples. This may reflect the reduction in efficacy when moving from small research-based studies to larger real-world settings.

Summary

Effectiveness rating: 1 – mean weighted effect size of 0.36 (range -0.97 to 2.19) (Piguero

et al., 2009)

Reason for effectiveness rating: Evidence of effectiveness from meta-analyses and randomised

controlled trials.

Level of intervention: Secondary or tertiary

Most appropriate age range: 3-12 years

Key references: (Brestan and Eyberg, 1998; Markie-Dadds and Sanders, 2006;

Piquero, Farrington, Welsh, Tremblay, and Jennings, 2009;

Webster-Stratton, Reid, and Hammond, 2004)

Examples of specific programs with demonstrated effectiveness

- Triple P Positive Parenting Practices Sanders
- The Incredible Years Webster-Stratton
- Parent-Child Interaction Therapy Eyberg
- Behavioural Parent Training Dadds and Hawes

Service Activity - Multidimensional Treatment Foster Care⁷

Multidimensional Treatment Foster Care (MTFC) is one of twelve blueprints model programmes scientifically validated as effective by the Centre for Study and Prevention of Violence, USA. In MTFC, foster families are recruited and trained to provide a structured environment with clear and consistent rules and discipline. Multidimensional Treatment Foster Care has been found to be effective at reducing reoffending for delinguent youths at a one year follow-up.

Summary

Tertiary Prevention level:

1 (effect sizes between -0.14 to -0.40 in reduction in antisocial and Effectiveness rating:

delinquent behaviours)

Three randomised-controlled trials demonstrating effectiveness in Reason for effectiveness rating:

the USA (studies involving the program developers) and replicated

in Sweden in 2011.

Most appropriate age range: 12-18

RAFTINGONFIDENCE. ANOTHOR CIRCLE (Chamberlain, 2003; Eddy, Whaley, and Chamberlain, 2004; References indicating effectiveness:

Westermark, Hansson, and Olsson, 2011)

Version AUS V1 October 2013 TRIM Ref: H12/35030

81

⁷ Multidimensional Treatment Foster Care is included so as to provide a behavioural "parent" training intervention that is applicable for looked-after children.

1.2.5.2 Service Element - School-Based Intervention Programs (Universal)

Universal school-based intervention programs may focus on one or more of a large range of topics, such as; education about antisocial behaviour and its prevention, emotional self-awareness, emotional control, self-esteem conflict resolution and social skills. Typically these programs utilise the classroom teacher to implement the intervention but may also use non-school personnel (university researcher) and may involve parental participation. These programs may not be solely focussed on reducing externalising behaviour problems and may also aim to improve social and emotional learning and academic performance.

- It should be noted that universal interventions are often targeted at schools in lower SES and/or high
 crime neighbourhoods so the children may be considered at higher than average risk for
 externalising behaviour problems.
- A meta-analysis demonstrated that, on average, children of lower SES and younger age show
 greater reductions in externalising behaviours following a universal school-based intervention than
 children of middle SES and older children (Wilson and Lipsey, 2007).
- A meta-analysis demonstrated that classroom teachers can successfully implement the program to produce significant change in behaviour (Durlak et al., 2011).
- There is no clear evidence to suggest that one component of universal school-based interventions (e.g. anger management, social problem solving or social skills training) is more successful than any other (Wilson and Lipsey, 2007).
- A systematic review of the effectiveness of universal school-based programs to prevent violent and aggressive behaviour found a mean effect of a 13.9% reduction in violent behaviour (effect size = 0.21) for students receiving a program compared with those not included in a program. The review also demonstrated that universal school-based interventions were effective across all age brackets; that is, kindergarten, elementary school, middle school and high school (Hahn et al., 2007).
- The long term effectiveness of school-based universal interventions is unclear there is some
 evidence to suggest that the effectiveness reduces in accordance with length of time after the
 intervention finished (Hahn et al., 2007).
- It should be noted that results from universal school-based interventions cannot determine where change occurred. In other words, it is unclear whether these interventions are equally useful for children with disruptive behaviour disorders or externalising behaviour problems as for those without, or vice versa.

Summary

Prevention level: Primary

Effectiveness rating: 1

Reason for effectiveness rating: Evidence from meta-analyses and a systematic review. Meta-

analyses found the effect size for reducing externalising behaviour problems associated with universal school interventions to range

from 0.15 to 0.30.

Most appropriate target: NA

Most appropriate age range: 5-17 years

Moderating or mediating factors: Age, SES, program setting

References indicating effectiveness: (Durlak, Weissberg, Dymnicki, Taylor, and Schellinger, 2011; Hahn

et al., 2007; Wilson and Lipsey, 2007)

1.2.5.3 Service Element - School-Based Intervention Programs (Indicated)

Indicated school-based intervention programs are aimed at children identified as having a disruptive behaviour disorder or as having externalising behaviour problems. As with universal interventions, indicated school-based programs can comprise a range of modalities such as; cognitively oriented treatments such as anger management or social problem solving, social skills training, counselling and behaviour management.

- Meta-analyses demonstrate similar estimates of mean effect sizes of indicated intervention programs (effect size of 0.29; Wilson and Lipsey, 2007, effect size of 0.30 for individual school-based indicated intervention programs; Stoltz et al., 2009).
- Greater effect sizes associated with the following: individual as opposed to group interventions; behavioural strategies as opposed to other modalities; higher-risk children; higher quality implementation of the program, and smaller sample sizes.
- Comprehensive programs (those that combine indicated treatment elements with universally implemented programs) have been found to be non-significant at reducing violent and aggressive behaviours. It is not yet clear why this is the case.
- The positive relationship between risk-status and program effectiveness highlights the point that a
 program cannot have large effects unless there is sufficient problem behaviour, or risk for such
 behaviour to allow for significant improvement. Thus, the use of indicated programs may be most
 effectively utilised only for high-risk children those who are already displaying significant
 externalising behaviour problems.
- It is important to note that not all programs included in meta-analyses had a significant effect with
 regards to reducing antisocial and aggressive behaviours; there was significant heterogeneity in the
 outcomes of programs. Some programs had a negative effect children in the programs had greater
 levels of behaviour problems following treatment than children in comparison control groups. Thus,
 only specific school-based interventions that have a reliable evidence-base of effectiveness should
 be employed.

Summary

Prevention level: Secondary and tertiary

Effectiveness rating: Level 1 for demonstration programs. Level 2 for programs in

practice settings. See footnote8

Reason for effectiveness rating: Meta-analyses demonstrating overall mean effectiveness for

indicated programs (effect size = 0.29) consist predominantly of research conducted in demonstration settings. There is some evidence (Wilson et al., 2003) that programs in practice settings have smaller effects. In general, more research is required to determine the efficacy of indicated school-based programs in

practice settings.

Most appropriate target: Children at high risk of displaying externalising behaviour problems

or already identified

Most appropriate age range: 5-17 years

Moderating or mediating factors: Age of child, risk-level of child, program content, program setting

References indicating effectiveness: (Stoltz, Londen, Deković, Castro, and Prinzie, 2012; Wilson and

Lipsey, 2007; Wilson, Lipsey, and Derzon, 2003)

TRIM Ref: H12/35030

Version AUS V1 October 2013

83

 $^{^{\}mbox{8}}$ A problem of demonstration versus practice settings.

[•] The large majority of published research concerns that of interventions in demonstration settings; that is programs in which a researcher is involved with the design and application of the program. The effect size for programs conducted in demonstration settings is significantly higher than for programs conducted in practice settings in which the school is conducting the program independently from a research base (effect size = 0.10, Wilson et al., 2003).

[•] This problem reflects one of implementation quality and is a considerable concern as schools adopting these programs without the direct involvement of a researcher may have weak implementation. Thus, it is recommended that the best choice of a universal or indicated program for a school may be the one (evidence-based) they are most confident they can implement well.

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1.2.6 Service Category - Prevention of Eating Disorders and Body Image Problems

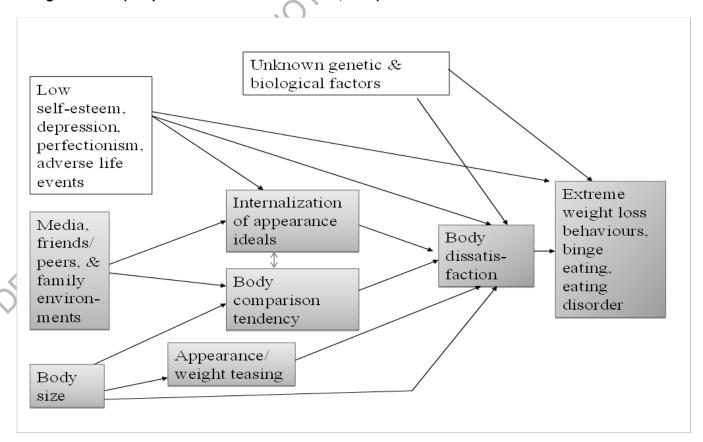
The content under this category has been adapted from: "Prevention of Body Image and Eating Disorders—Rapid Review"; prepared by Professor Susan J Paxton, Dr Laura Hart and Ms Siân McLean (School of Psychological Science, La Trobe University) for use by the NHMSPF Promotion and Prevention Working Group (October 2013).

1.2.6.1 Theoretical Framework - Risk Factor Approach

Most consistently identified risk factors for eating disorders are body dissatisfaction/weight and shape concerns, dieting and negative affect (Jacobi & Fittig, 2010; Stice, Marti, & Durant, 2011). These factors have been found to increase risk for bulimia nervosa and related disorders but risk factors for anorexia nervosa have been harder to specify and are likely to be more complex. Risk factors for the development of body dissatisfaction include exposure to environmental pressures to adhere to social appearance ideals, negative affect, higher body mass index (BMI) and undetermined genetic factors (Smolak, 2009). Two psychological processes have been shown to partially or fully mediate the impact of individual and environmental risk factors, and body dissatisfaction and eating disorders. These are: internalisation of appearance ideals (adoption of appearance ideals as a personal standard) and body comparison (comparing one's appearance to others). The goal of prevention has been to reduce the presence or impact of upstream risk factors thereby reducing the likelihood of eating disorders or body dissatisfaction (Levine & Smolak, 2009).

Assessment of prevention program outcomes has typically included assessment of the presence of risk factors as well as body image and eating disorder symptoms although a few studies have examined long term eating disorder outcomes (Austin et al., 2007; Berger, Sowa, Bormann, Brix, & Strauss, 2008; Stice, Shaw, Burton, & Wade, 2006; Taylor et al., 2006)

Figure 3: Biopsychosocial model of risk factors for the development of body dissatisfaction and eating disorders (Adapted from Wertheim & Paxton, 2012).



DBK.500.002.0705

The body image and eating disorder prevention literature has typically been described in terms of universal. selective and indicated prevention. Universal and selective interventions have been delivered to groups unselected for risk status who are assumed to have low or non-clinical levels of body image and eating disorders. These interventions have been trialled in late primary and early high school children in school environments (See Levine & Smolak, 2009). Some have also been conducted in community settings such as in girl scout groups (e.g., Coller, Neumark-Sztainer, Bulfer, & Engebretson, 1999; Fiissel, 2006).

Indicated prevention programs have also been evaluated. In these studies, participants have been selected on the basis of elevated risk factors for eating disorders, particularly body dissatisfaction or disordered eating symptoms. These programs have typically been delivered to small groups of older adolescents or young adults in school, university or community settings (Stice, Marti, Spoor, Presnell & Shaw, 2008). Early intervention associated with early identification may also be considered prevention and university and community based interventions have been developed to facilitate this (e.g., Becker, Franko, Nussbaum, & Herzog, 2004; D'Souza, Forman, & Austin, 2005; Hart, Jorm, & Paxton, 2012).

A number of systematic reviews and meta-analyses have been conducted to identify prevention intervention effects and moderators of those effects. These analyses have usually included interventions across the universal - selective - indicated spectrum, and included all age groups rather than specifically identifying the setting as being school, university or community (Pratt & Woolfenden, 2002; Cororve Fingeret, Warren, Cepeda-Benito, & Gleaves, 2006; Stice & Shaw, 2004; Stice, Shaw, & Warti, 2007), The conclusions of these reviews will be outlined in this section. Conclusions reached can be interpreted with school, university and community settings in mind. However, two recent systematic reviews specifically review school-based (Yager, Diedrichs, Ricciardelli, & Halliwell, 2013) and university-based (Yager & O'Dea, 2008) interventions and these will be reviewed in the relevant section below.

It is notable that although boys and men do experience body dissatisfaction, disordered eating and eating disorders, only a few studies have included males and unless mentioned the results described below refer to findings for females.

An early Cochrane Review of eating disorder prevention randomised controlled trials (RCTs) for children and adolescents conducted in 2002 found that combined data from two eating disorder prevention programs based on a media literacy and advocacy indicated a reduction in internalisation or acceptance of societal appearance ideals at a 3- to 6-month follow-up (Pratt & Woolfenden, 2002).

More recently, three meta-analyses of controlled prevention interventions have been conducted (Cororve Fingeret, et al., 2006; Stice & Shaw, 2004; Stice, et al., 2007). Cororve Fingeret et al. (2006) reviewed 46 separate prevention studies and found that overall the programs had large effects on improving knowledge and small net effects on reducing maladaptive eating attitudes and behaviours. Effect sizes for general eating pathology, dieting, and thin-ideal internalization ranged from d = .17 to .21 at post-test and from d = .13 to .18 at follow- up. These effects were all positive and indicated improvements in symptoms of general eating pathology, dieting behaviours, and internalization of a thin-ideal body ideal following intervention. The effects for general eating pathology and dieting behaviours were the most consistent, as homogeneous distributions of effect size estimates were found for these variables at each time point. Body dissatisfaction was the most frequently evaluated outcome variable across the studies in this meta-analysis. While the overall effects for body dissatisfaction suggested positive improvements at post-test (d = .13) and follow-up (d = .07), follow-up effect sizes were not significantly different from zero. Importantly, studies targeting participants at relatively higher risk for developing an eating disorder, (indicated prevention usually including university students), produced greater benefits.

Stice and colleagues (Stice & Shaw, 2004; Stice, et al, 2007) have conducted two meta-analyses but the findings of the most recent will be described here as they report on overlapping data. Stice et al. (2007) found that 26 (51%) of the interventions reviewed resulted in significant reductions in at least one established risk-factor for eating pathology, such as body dissatisfaction and 15 (29%) of the prevention programs resulted in significant reductions in eating pathology. The average effect sizes (r) were all significant with the average effect size being: .14 for body dissatisfaction; .12 for dieting; .18 for internalisation of the thin ideal; .12 for negative affect; and .13 for eating pathology.

However, there was wide variety in effect sizes indicating the importance of investigating moderators of these effects. As reported by Cororve Fingeret and colleagues (2006), the most notable moderator of effect sizes was risk status of participants. Studies in which participants were selected into the intervention on the

basis of an elevated risk factor score (indicated prevention⁹), usually high body dissatisfaction, produced greater prevention effects than those that did not. The authors propose that the distress that characterises high risk-individuals may motivate them to engage in the intervention to a greater extent than in groups unselected for risk. In addition, the lower levels of eating pathology in low risk samples may reduce observable outcomes as a result of floor effects (Stice et al., 2007).

Participant age was also a significant moderator of intervention effects such that intervention effects were significantly larger for samples in which participants were over rather than under 15 years old. Interventions were also significantly stronger when interactive rather than didactic, delivered by trained leaders rather than DRAFT IN CONFIDENCE. NOT HOR CIRCULATION OF STATE OF STAT an endogenous provide (e.g., teacher), and contained dissonance content (which challenges internalisation of appearance ideals) rather than other content. Stice et al. (2007) also concluded that intervention effects for body dissatisfaction and dieting were significantly larger for programs that focused solely on females

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⁹ Stice and colleagues are unusual in the eating disorder field in describing interventions of this kind as 'selected' interventions rather than indicated so the more usual terminology is used here.

1.2.6.2 Service Element - School-based Programs

Universal and Selective Interventions

Despite the analyses described above finding greater effects for indicated prevention in older adolescent females and young women, there are a number of reasons researchers and practitioners have continued to explore universal and selected prevention in early adolescents, mainly in school settings. First, it would be ideal to prevent risk factors for eating disorder, in particular, body dissatisfaction and related disordered eating behaviours, becoming established in the first place, rather than waiting until they are present to intervene. Body dissatisfaction in adolescents predicts a number of negative health outcomes in addition to eating disorders, including reduced physical activity, smoking (Neumark-Sztainer, Paxton, Hannan, Haines, & Story, 2006), unsafe-sex (Schooler 2013), depressive symptoms and low self-esteem (Paxton, Neumark-Sztainer, Hannan, Eisenberg, 2006). Thus, waiting until the establishment of body dissatisfaction to be established before intervening is not desirable. Research suggests this requires intervention ideally no later than late primary or early high school (Wertheim, Koerner & Paxton, 2001). Second, school class-rooms offer an opportunity in which to reach most young people in a learning environment (Yager et al., 2013). In addition, the peer environment is one which has a significant impact on the body image of young people (e.g., Helfert & Warschburger, 2011). Finally, it has been argued that interventions that are designed specifically for adolescents at high risk of an eating disorder potentially stigmatises participants (Franko, 2001). Taken together, these factors support the use of school-based prevention especially in early adolescence.

In the school setting, universal interventions are generally those that are provided to both girls and boys, whereas selective interventions are generally delivered to girls only, girls being at higher risk of body image and eating disorders. A recent systematic review of classroom-based programs used improvement of body image as the primary outcome, and psychological (i.e., self-esteem, negative affect, internalisation of appearance ideals) and sociocultural (i.e., pressure to be thin, appearance comparison and appearance teasing) risk factors as secondary outcomes (Yager et al., 2013). The impact on eating pathology (drive for thinness, body change strategies and disordered eating) was also examined. Of 16 studies that met inclusion criteria, nine were conducted with girls only, five included boys and girls, and two were conducted with boys only.

The two programs found to be most effective were multi-session **classroom-based interventions** that aimed to reduce internalisation of appearance ideals and body comparison, by increasing media literacy and reducing appearance-related peer pressure (Richardson & Paxton, 2010; Wilksch & Wade, 2009). In the Richardson and Paxton (2010) study conducted in Australia, grade 7 girls received three lessons from a trained researcher addressing peer and media pressures, and positive program effects on body image were observed at post-test and 3 month follow-up. In a recent study conducted in Britain, the program was adapted for 10-11 year old girls and boys and positive body image outcomes were observed in girls at three month follow-up (Bird, Halliwell, Diedrichs & Harcourt, 2013).

The study conducted by Wilksch and colleagues was also conducted in Australia (Wilksch, Durbridge & Wade, 2008; Wilksch & Wade, 2009). Participants were grade 7 and 8 girls and boys who received 8 lessons with a focus on media literacy in relation to body image but also containing lessons on peer influences and body image. In girls, no post-test or 6-month follow-up effects on body dissatisfaction or weight and shape concerns were observed, but at 30-month follow-up, weight and shape concerns were lower in the intervention than the control group. In boys, body dissatisfaction was lower than the control group at post-test and 6-month but not 30 month follow-up.

It is of interest to consider the findings of another recent universal intervention conducted in Spain in which 12-14 year old participants received either a media literacy unit (60-90 minute sessions), a media literacy unit plus a nutrition unit (one 90 minute session) or neither (Espinoza, Penelo & Raich, 2013). At 30-month follow-up, participants in both intervention groups had significantly more positive body image than the control group. These findings also provide support for media literacy intervention for body dissatisfaction.

In light of the focus on media literacy interventions, from a theoretical perspective it is relevant to note that although previous research has implicated media exposure (e.g., Schooler & Trinh, 2011) and peer environment factors as risk factors for body dissatisfaction, dieting and disordered eating (e.g., Sharpe, Naumann, Treasure, & Schmidt, 2013), there has until recently been no empirical evidence to support media literacy as a risk factor for body image and disordered eating outcomes. A recent cross-sectional investigation, however, suggests that in early adolescent girls, media literacy moderates body dissatisfaction,

its impact being mediated by internalisation of appearance ideals and body comparison tendency (McLean, Paxton & McLean, 2013), thus providing theoretical support for media literacy interventions.

An important area of prevention research examines programs that target the shared risk factors for both disordered eating and obesity (e.g., Austin, Field, Wiecha, Peterson, & Gortmaker, 2005; Austin, et al, 2007; Stock et al., 2007; Wilksch & Wade, 2013). Given the possible iatrogenic effects of anti-obesity programs on disordered eating, combined prevention programs are particularly valuable as they assess the impact of anti-obesity messages on eating pathology and body dissatisfaction. The healthy eating intervention, *Planet Health*, has been shown to reduce the odds of obesity in girls through prevention and remission during 2 school years, and also to protect against the use of purging and diet pills for weight control (Austin et al., 2007).

Taken together, there is growing evidence that supports the use of school-based curricula that address known risk factors for body dissatisfaction and disordered eating especially those interventions that address media and peer factors. The impact of these interventions appears to be on body image and associated risk factors such as internalisation of media ideals. Outcomes in relation to the prevention of clinical eating disorders have yet to be identified. Thus, there is in relation to body image, Level 1 evidence in support of intervention package development (Mihalopoulos, Vos, Pirkis & Carter, 2011).

Indicated Prevention Interventions

Indicated prevention interventions have also been examined in adolescent girls who are still at school. These are not strictly speaking school-based interventions but rather recruitment for participants may take place within a school but then the intervention is conducted by trained researchers or therapists away from the class-room setting.

As demonstrated in the meta-analyses described above indicated prevention has been shown to be effective, particularly in girls over 15 years old. The most notable example of an intervention of this kind is the **cognitive dissonance intervention** trialled by Stice and colleagues (Stice et al., 2008) and based on *The Body Project*, the original manual describing this approach (Stice & Presnell, 2007). Of relevance here is that about half the participants in the major study by Stice and colleagues describing this approach were recruited from high schools in the US using direct mailing and flyers. For inclusion, participants had to be 14-19 years old and answer in the affirmative to the question "Do you have body image concerns?" in a phone interview. This approach did indeed attract at-risk participants (mean age = 17.0 years). The dissonance intervention consisted of 3 weekly one hour small group (6-10 participants) sessions and homework tasks in which participants engaged in activities that critique the thin idea. This was compared to a healthy weight control program, an expressive writing control condition and assessment-only control condition. At 3-years follow-up, both the dissonance and healthy weight conditions resulted in significantly lower risk for onset of clinically significant eating pathology relative to assessment only controls.

A **cognitive behavioural therapy** (CBT) based approach, *My Body, My Life*, has also been shown to be effective in substantially reducing body image and eating disorder symptoms in girls who self-identified as having body image or eating problems recruited through Australian schools (mean age 14.4 years, SD=1.48) (Heinicke, Paxton, McLean, & Wertheim, 2007). In this study, a six session CBT based intervention delivered on-line using chat-room technology, resulted in substantial improvements in body image and eating related psychopathology that were maintained at 6 month follow-up.

Please note, screening for eating disorders in high school students as a means of promoting early identification and intervention has been evaluated (e.g., D'Souza et al., 2005) but is not reviewed here.

Taking into account meta-analysis findings and examination of specific examples, there is Level 1 evidence in support of intervention package development for indicated prevention of body image and eating disorders drawing at-risk participants from high school settings.

1.2.6.3 Service Element - University-based Programs

As indicated above, meta-analyses and systematic reviews consistently observe larger effects sizes for **indicated prevention** interventions than universal and selective interventions and these have frequently been offered to **college-students** (Stice et al., 2007). One systematic review has specifically examined prevention programs for body image and eating disorders delivered on university campuses (Yager and O'Dea, 2008). They identified 27 large randomised and controlled trials of programs to improve body image, dieting, and disordered eating and exercise behaviours of male and female college students. They concluded that many studies were limited by small samples sizes and exclusion of male participants. However, they observed that **dissonance-based approaches** have achieved consistent success in reducing internalisation of the thin ideal, body dissatisfaction, dieting and disordered eating among female college students (Yager and O'Dea, 2008), a finding supported by a meta-analysis of dissonance interventions compared to other control conditions (Stice, Shaw, Becker and Rohde, 2008). In addition, in a recent trial with college participants with elevated body dissatisfaction that compared outcomes following participation in the *Body Project* when delivered in a small group or alternatively by internet and two control conditions, positive outcomes were observed in both intervention conditions (Stice, Rohde, Durant and Shaw, 2012).

The *Body Project* (Stice and Presnell, 2007) was briefly described above and has been trialled as an indicated prevention intervention. However, it has also been adapted for use in college sororities in the USA to be delivered by trained sorority peer leaders as the *Reflections: Body Image Program* (Becker, Smith, and Ciao, 2005) and evaluated in a number of studies (e.g., Becker, Smith, and Ciao, 2006; Becker, Ciao, and Smith, 2008; Becker, et al., 2010). In these studies, the whole sorority group was expected to participate in the program (although not necessarily the research) and thus included both low and high risk participants. The intervention consisted of two 2-hour sessions administered by 3-4 trained peer leaders. Significant decreases in body image and eating disorder risk factors have been observed and generally high and low risk participants respond in a similar way. The difficulty with this approach within the Australian context is that we do not have university based structures like sororities. Some students do live in colleges on university campuses but these have no mandating power over the activities of the students.

A further program which has received extensive evaluation is the **CBT-based intervention**, *Student Bodies* (e.g., Low et al., 2006; Jacobi et al., 2007; Taylor et al., 2006). This is an 8 session (8 week) internet-based intervention with or without a moderated online discussion group. *Student Bodies* has been delivered in both selected and indicated formats and high school and college students, but effects have been strongest in indicated interventions in college students (e.g., Taylor et al., 2006). Taylor et al. (2006) recruited college-age women with high weight and shape concerns through campus emails, posters and advertising and they were randomised to either *Student Bodies* or a wait list contol. There was a significant reduction in weight and shape concerns in the intervention group at post-test, one-year and two-year follow-up. Although there was no difference in the number of participants who developed sub-clinical or clinical eating disorders during the follow-up period between the two groups, moderator analyses indicated significantly fewer of the overweight participants in the intervention than control group developed an eating disorder. In addition, at one site, significantly fewer participants with initially elevated compensatory behaviours in the intervention compared to the control group developed a clinical or sub-clinical eating disorder.

A range of other interventions have been trialled in different formats. Further supporting a web-based intervention for college women, the interactive psycho-educational program, Food, Mood and Attitude, reduced internalisation of the thin ideal in at-risk participants (Franko et al., 2005).

Please note, screening for eating disorders in a University population to promoting early identification and intervention has been evaluated (e.g., Becker et al., 2004) and supported by leaders in the field (Wilfley, Agras and Taylor, 2013) but is not reviewed here.

In conclusion, interventions for university women have been shown to reduce risk factors for body image and eating disorders, especially in high risk women. However, the Australian university context would need to be considered to ensure appropriate translation. In addition, a number of studies have used financial or course credit incentives to encourage participation and completion of assessment which would not be practical in many contexts.

However, there is Level 1 evidence in support of intervention package development for indicated prevention of body image and eating disorders for at risk female university students.

1.2.6.4 Service Element – Community-based Programs

There have been relatively few evaluations of community based prevention for body image and eating disorders and there are no meta-analyses that have attempted to group prevention interventions in this way. However, there are some examples of community-based interventions.

One early study evaluated a **selective** prevention intervention delivered to girl scouts with a mean age of 10 years (Neumark-Sztainer, Sherwood, Coller & Hannan, 2000). Body image and dieting outcomes were compared following a media literacy program compared to a stress management condition. There was significantly lower internalisation of the thin ideal following the media literacy compared to stress management condition, but no differences on a range of dieting behaviours.

Early intervention programs for young women have also been evaluated. One example of an **indicated intervention** (or early intervention) in which young adult female participants with body image and eating symptoms were recruited from the community was the evaluation of the 8 session, *Set Your Body Free* program (Paxton, McLean, Gollings, Faulkner & Wertheim, 2007). In this RCT, a therapist led, small group intervention has been shown to reduce body image and eating disorder symptoms in both internet and face-to-face delivery modes compared to a delayed treatment control. Although at this stage we have not identified a review of interventions of this kind, previous research supports early interventions of this kind (e.g., Cash, & Lavallee, 1997).

A final example of a community-based **early intervention** is Eating Disorder Mental Health First Aid. Mental health first aid (MHFA) has been defined as the help provided to a person developing a mental health problem or experiencing a mental health crisis. The first aid is given until appropriate professional help is received or until the crisis resolves (Kitchener, Jorm, & Kelly, 2010). Eating disorder MHFA resources have been developed and made available to the community on the internet and through MHFA training (Hart, Jorm & Paxton, 2012). A preliminary uncontrolled study suggested an Eating Disorder MHFA training session facilitated treatment seeking in individuals suspected of an eating disorder (Hart et al., 2012).

In conclusion, community based interventions have received less research attention. There is likely to be Level 1 support for community-based small group therapy approaches to early intervention for body image and eating disorders but this review has not examined this extensively. At this stage there is only Level 3 (inconclusive) evidence for other approaches described.

1.2.6.5 Additional notes for this Category

Possible Negative Effects of Interventions

Although the possibility of **iatrogenic effects** of including eating disorder related information has been raised (O'Dea & Abraham, 2000), the evidence does not support this contention. In their meta-analysis, Cororve Fingeret et al. (2006) summarised the between group effect sizes of interventions for body image and eating pathology that did or did not include descriptive information about eating disorders and generally found no significant differences between groups. Where there were significant differences, they were explained by higher mean effect sizes for interventions that did include eating disorder information.

Further Prevention Issues to be considered

Although there is sufficient evidence in a range of areas to support the development and dissemination of prevention approaches for body dissatisfaction and eating disorders, there are many areas which require attention a number of which are mentioned below.

- Research increasingly suggests that attitudes towards healthy eating, weight and shape and
 physical activity are formative in the pre-school years. Effective, evidence-based programs are
 needed for parents and in early childhood settings;
- Obesity and eating disorder prevention need to be better integrated to resolve the widespread belief
 that they are contradictory in message. Increasingly evidence suggests poor body image predicts
 poorer physical activity and eating outcomes;
- The role of social media, advertising and the internet, in the development of risk or protective factors for body dissatisfaction, are not well understood and prevention interventions have seldom addressed this important area;
- Although there is a range of generic mental health well-being programs being delivered in school settings, body image and eating disorder outcomes are seldom (perhaps never) assessed.
 Consequently, there is no evidence to suggest they are helpful in preventing body dissatisfaction or eating disorders;
- Although body image and eating problems are observed in males development of interventions that effectively engage males is difficult;
- Eating disorders occur across the life-span and are increasingly common in women as they
 experience pregnancy, childbirth and menopause. Prevention and early intervention programs
 across the lifespan require further development. In addition, children of parents with eating disorders
 are more likely to experience mental illness, disordered eating, clinical eating disorders and obesity.
 Prevention programs aimed at the pre-and post-natal period would therefore have secondary
 prevention benefits by protecting offspring;
- Further development and evaluation of screening and early identification would be especially beneficial in this area in which there is very low treatment seeking. Community interventions such as Eating Disorder MHFA training and up-skilling of the primary health care work-force could facilitate early identification and treatment seeking.
- Finally, public health interventions are likely to be required to counter the support given by industry for extreme and short-term diets, and to counter the stigma associated with eating disorders that reduces treatment seeking.

1.2.6.6 References for this Category

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1.2.7 Service Category - Prevention of PTSD

The content under this category has been adapted from: "Overview of the evidence supporting interventions for the prevention of PTSD"; prepared by Associate Professor Grant Devilly (School of Applied Psychology and Griffith Health Institute, Griffith University) for use by the NHMSPF Promotion and Prevention Working Group (October 2013).

1.2.7.1 Service Element - Prevention of Post-Event Pathology from Post-Event Intervention for Those Who Demonstrate Vulnerability.

For the small number of people who go on to demonstrate clinical symptomatology within the first month following trauma, we know that they are at a much greater risk of going on to develop longer term psychopathology such as posttraumatic stress disorder (approximately 80% of people with ASD from motor vehicle accidents or brain injuries in New South Wales have PTSD at 6 months; e.g., Harvey and Bryant, 1999; Bryant and Harvey, 1999). However, it should be kept in mind that the majority (60-70%) of people who have PTSD did *not*, at some point, meet criteria for ASD.

Nine RCTs have described four different types of interventions that were all started within the first month after a traumatic event. The effectiveness of interventions including TF-CBT (or using the cognitive restructuring, and prolonged exposure (PE) components), narrative exposure therapy, eye movement desensitization and reprocessing (EMDR), and providing a self-help booklet, were compared to no treatment, wait listed controls, usual care, or another psychological intervention. These nine RCTs were as follows:

- five studies (six publications) compared CBT with supportive counselling (Bryant et al, 1998; Bryant et al, 2005; Bryant et al, 2006; Bryant et al, 2003; Bryant et al, 1999; Foa et al, 2006)
- · one study compared CBT with an assessment condition (Foa, Zoellner and Feeny 2006)
- one study compared CBT with prolonged exposure on its own (Bryant, et al. 1999)
- two studies compared the cognitive and exposure components of CBT with a waitlist (Bryant et al. 2008; Shalev et al. 2011)
- one study compared PE with supportive counselling (Bryant et al. 1999)
- one study compared narrative exposure therapy with relaxation-meditation therapy in children(Catani et al. 2009)
- one study compared an assessment condition with supportive counselling (Foa, Zoellner and Feeny 2006)
- one study compared eye movement desensitization and reprocessing with a wait listed control (Jarero, Artigas and Luber 2011)
- one study compared a self-help booklet with no information (Scholes, Turpin and Mason 2007)

Outcomes demonstrate that people who develop Acute Stress Disorder should be offered trauma Focussed CBT (which includes exposure and / or cognitive therapy). Of those treated with TF-CBT, less than 5% continued to have PTSD 4 years later, compared to 25% who received supportive counselling. This also leads most experts to recommend against general supportive counselling, while at the same time recommending CBT.

Summary – Acute Stress Disorder: The provision of early intervention for these people is recommended. Studies have demonstrated that trauma focused cognitive behavioural therapy (TF-CBT), and in particular exposure therapy, are effective in preventing PTSD.

1.2.7.2 Other Service Elements for this Category reviewed but not included due to evidence level

Prevention of post-event pathology from pre-event training

Pre-event training has been called 'resilience training', 'inoculation training' and also variants of 'psychological preparation'. It shall be referred to as resilience training here. Although the bulk of resilience research has been conducted in recent years, the term 'resilience' was first used in the 1950s to describe individuals who survived stressful environments (for review see Kaplan, 1999; Masten, Best, & Garmezy, 1990). The foundation of the concept of resilience was the possession of selective strengths or assets that help an individual survive adversity (Richardson, 2002). Over the last two decades, various models of resilience have been proposed, each emphasising various ecological and psychological contexts. Garmezy and colleagues defined resilience as a 'capacity' for successful adaptation in face of hardship (Garmezy, 1993; Masten et al., 1990) whilst Rutter (1987) described it as a positive response to stress and adversity.

As noted by Bonanno and colleagues (Bonanno, Rennicke, et al., 2005), there have been few attempts in the trauma literature to distinguish sub-groups within the broad category of individuals who are exposed to a traumatic incident yet do not go on to develop PTSD. Most studies of resilience have focused on children, with fewer studies examining resilience among adults. Many of these studies have been aimed at improving our understanding of how children growing up in adverse circumstances successfully avert later psychiatric disorder as opposed to halting posttraumatic disequilibrium (e.g., Elder, 1986; Smith, Smoll, & Ptacek, 1990; Werner, 1990; Zoccolillo, Pickles, Quinton, & Rutter, 1992).

In one of the very first studies to examine resilience in adults, Manhattan residents were randomly surveyed by phone following the September 11 terrorist attack (Bonanno, Galea, Bucciarelli, & Vlahov, 2006). With mild to moderate PTSD defined as two or more PTSD symptoms, and resilience defined as one or no PTSD symptoms in the first 6 months after the attack, over 65% of the residents were classified as being resilient. Resilient outcomes have also been documented in studies that utilised structured clinical interviews, and anonymous ratings from participants' friends or relatives (Bonanno, Moskowitz, Papa, & Folkman, 2005; Bonanno, Rennicke, et al., 2005).

To my knowledge, there are only three published randomised controlled trials, of which only two are field trials assessing the utility of resilience training with adults following traumatic life events. However, even one of these was not a randomly controlled study, was group delivered and retrospectively assessed participants who agreed to take part. This study (Sharpley, Fear, Greenberg, Jones & Wessely, 2008) referred to their intervention as pre-deployment stress briefing when provided to UK armed forces (Royal Navy and Royal Marines) before deployment to the 2003 Iraq War. This intervention consisted of education regarding the "role of the mental health team; an outline of the medical facilities in the Primary Casualty Receiving Facility: definition of stress, pressure and strain; types of stressors (physical, social, occupational and traumatic); effects of stress on individuals; advice on handling human remains; managing stressful thinking in a chemical or biological environment; simple advice on reducting stress; the importance of morale; levels of support available and when/where to seek this" (p. 31, Sharpley et al., 2007). On returning from Iraq all troops completed a questionnaire regarding their reactions. Those who had received the pre-briefings were allocated as the treatment group and those Naval and Marine personnel not registered as having received the pre-briefings were seen as a no-treatment control. As may be expected when using post-hoc and selfselected samples, the treatment group significantly differed to the control group on a number of variables most notably experiencing more traumatic events and with a higher percentage having a combat role during deployment. Even considering these differences in groups, the results could be seen as generating some hope in the area. The results, whilst not significant, all pointed towards lowered pathology in the pre-briefing group. However, without a longitudinal study with an a priori experimental design, we could not be sure that the results are not due to participant biases and type III errors.

The other randomised controlled trial compared resilience training in Victorian police cadets (n=141) to 'training as usual' with additional psychologist's presence (n=140; Devilly & Varker, 2013). Program components had an evidence-base, drawing on findings from an extensive literature review and an experimental, analogue, study (described below; Varker & Devilly, 2012). Built upon the notion of serial approximation to the feared event and the provision of adaptive psychological resources, it was hypothesised that these would increase adaptive expectations and provide a sense of psychological and physical control. Cadet cohorts were randomly allocated to the study condition and these cadets were then followed-up at 6 and 12 month post-training. Results showed that, in general, recruits had low levels of stress. However, the treatment condition demonstrated a lack of correlation between number of traumatic events and symptomatology. The control condition continued to show the usual correlation between the

TRIM Ref: H12/35030

number of traumatic events and symptomatology, a relationship expected in all large samples from the research literature. We argue that this may have demonstrated a break between trauma exposure and symptomatology, which can only be properly demonstrated in the much longer term. The resilience training groups also rated their training with higher satisfaction than the control groups. Twelve month follow-up data displayed a trend for the resilience group to display higher relationship satisfaction, lower affective distress, lower trauma reactivity and lower workplace burnout. However, this 12 month follow-up only assessed half the sample in each condition, and hence why the differences between condition did not reach significance. A true test of resilience with emergency services personnel is in the longer term (i.e., > 5 years).

As noted above, we have also recently published a randomised controlled trial of inoculation (resilience) training using an analogue design (Varker & Devilly, 2012). Outcome was established from people's short term and long term (4 weeks) reactions to watching a stressful video of paramedics attending the scene of a road traffic accident. Built upon the premise that reducing shock and increasing a sense of control would directly interfere with known peri-traumatic predictors of pathology, the study provided serial approximation to a stressful event, psycho-education and coping strategies to deal with aversive physiological responses and high levels of stress in the experimental group. In this study community participants were either given this 'inoculation training' or 'pragmatic training' which we called 'accident management training'. This pragmatic training consisted of participants being given practical tips and strategies on what to do if they are involved in, or witness a traffic accident. Both sets of training were provided to participants one week before they were exposed to a video which had previously been used to investigate the effects of psychological debriefing (Devilly & Annab, 2008; Devilly, & Varker, 2008; Devilly, Varker, Hansen, & Gist, 2007). Considering that we had previously found prophylactic strategies to have possibly noxious outcomes using this stimulus (see below under 'debriefing'), we wished to make sure that any intervention was grounded in empirical data before progressing to a field trial. What we found was cause for cautious optimism. Those who received the inoculation training faired no worse than the control group on the main outcome measures – in other words there did not appear to be any deleterious effects on psychological distress measures or memory performance. However, participants who received the inoculation training displayed improvements in negative affect (with notable trends in depression and stress levels) suggesting a more general positive result from the intervention than normal 'pragmatic training'.

Summary – Resilience: The above comprise the only randomised controlled trials published in the research literature as of October 2013. The evidence points towards having a degree of cautious optimism in the utility of resilience training programmes for 'at risk' groups. All of the field trials also demonstrate the natural resilience of humans and the low base rates of pathological reactivity to trauma exposure (in the short term) for populations where exposure is expected. However, it should be stressed that two field trials does not make a body of evidence – just a correlation. For this reason one could argue for 'trialling' resilience training at a larger level, or one could argue for not providing this level of care until more research outcomes have become available.

Prevention of post-event pathology from post-event intervention for all exposed

This approach to prevent trauma reactions falls into the 'Debriefing' type intervention and the more recent 'Psychological Fist Aid (PFA)' approach. I will deal with the PFA first as the research literature is easy to summarise.

Psychological First Aid: Psychological First Aid (PFA) is an evidence-informed model used to assist those affected in the hours and early days following trauma (Uhernik & Husson, 2009). The Medical Reserve Corp Psychological First Aid Field Operations Training Manual (National Center for Child Traumatic Stress Network, 2006) emphasises that PFA is designed to reduce initial distress caused by traumatic events, and to foster short- and long-term adaptive functioning and coping. PFA comprises an assortment of processes and strategies that may be selected and used based upon a case formulated approach. As of today, there are no randomised controlled trials of the utility of PFA.

Debriefing: Debriefing is a generic term for the provision of services for targeted populations. This intervention is usually targeted towards people who have been exposed to traumatic events. They are provided with trauma education and ventilation opportunities, either in groups or individually. This generic term should be differentiated from the trademarked and specific term "Critical Incident Stress Debriefing (CISD)" (or the more recent "Critical Incident Stress Management (CISM)"). CISD and CISM have become ubiquitous terms in common parlance, but they represent a specific approach to debriefing – that of a private company called the International Critical Incident Stress Foundation (inc).

Debriefing "is best described as a generic term for a class of immediate interventions following trauma (usually within 3 days) that seeks to relieve stress with the goal of mediating or avoiding long term pathology. PD relies predominantly on ventilation/catharsis, normalisation of distress, and 'psycho-education' regarding presumed symptoms. CISD, on the other hand, is a proprietary PD variant originally articulated by Mitchell during the 1980's (Mitchell, 1983) through trade magazines, trade conferences, and proprietary seminars. It centers predominantly around group based interventions, though individual (or 'one-on-one') debriefings have always been advocated as an acceptable and expected variant, and relies heavily on reconstruction of the traumatic event, ventilation, and normalization. It also includes a structured "teaching" component." (p. 320, Devilly, Gist & Cotton, 2006).

Outcome from randomised controlled trials and meta-analyses of trials into CISD / CISM are quite consistent – there is either no psychological or economic benefit from this intervention, or it interferes with people's resolution following trauma. In other words, for an exposed population, at best it offers nothing – at worst it stops people from recovering from the shock of the event. This seems to be more prominent when the people debriefed are more distressed (Mayou, Ehlers & Hobbs, 2000) or where the stressor is greater (Devilly & Varker, 2008). One meta-analysis differentiated between generic debriefing and CISD (van Emmerik et al., 2001). They found CISD to harm improvement following exposure and generic debriefing to have no clear positive effect. Overall, meta-analyses have generally come to the conclusion that such interventions should not be part of routine practice. Meta-analyses which have come to this opinion include the Australian Guidelines for the Treatment of Acute Stress Disorder & Posttraumatic Stress Disorder (ACPMH, 2013), the UK's National Institute for Health and Care Excellence (NICE, 2005) and the UK and USA's Cochrane Collaboration (Rose, Wessely, & Bisson, 2004). Individual researchers have likewise come to such conclusions following quantitiative and qualitative reviews (e.g., Devilly, Gist & Cotton, 2006; McNally, Bryant & Ehlers, 2003).

Summary – Intervention for all: At this stage the evidence is a), new methods of 'intervention for all' are unproven and b). old methods are not recommended. Current recommendations centre around the provision of practical and emotional support where requested and that victims are made aware of the availability of this support.

"Although immediate debriefing has yielded null or paradoxical outcomes, the value of contemporaneous instrumental assistance and support—those kinds of practical help often learned better from grandmothers than from graduate training—has increasingly been found to be useful in disaster response. Structured interventions, however, may be better embedded in models of stepped care, where the nature and level of intervention is conservatively tailored to the needs, context, and course of individual resolution." (p. 741, Devilly & Gist, 2002).

1.2.7.3 References for this Category

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Service Group - Services Tailored to Individual Needs

2.1 SERVICE STREAM – PRIMARY AND SPECIALISED CLINICAL AMBULATORY MENTAL HEALTH CARE SERVICES

Primary and Specialised Clinical Ambulatory Mental Health Care Services refers to services tailored to individuals and provided by clinical staff with recognised health qualifications.

For the purpose of this Project, the operational definition of Primary Mental Health Care Services as developed by the Queensland Centre for Mental Health Research is: "health care services aimed at the early detection and treatment of mental health problems and the maintenance of mental health, that are delivered to individuals, usually in community settings, within a service model where mental health problems are identified and managed as part of a broader range of health care to a population". Primary mental health care services are often the first point of contact and may be delivered via a range of modalities, including face-to-face contact, internet and telephone, and may be provided on an individual or group basis. They are usually focussed on the high prevalence illnesses of anxiety and depression.

The NMHSPF makes a distinction between mild illnesses that are treatable within the primary mental health sector; moderate illnesses that are treatable in the primary mental health sector with specialist mental health assistance; and severe illnesses that require specialist mental health care delivered via multidisciplinary teams in the community and/or in a hospital setting. Individuals with a severe illness require support, rehabilitation and recovery services.

For the purpose of this Project, Specialised Clinical Ambulatory Mental Health Care Services are defined as services specifically designed for the treatment of mental health problems and include services delivered in both hospital and community settings. Specialised Clinical Ambulatory Mental Health Care Services are delivered by mental health clinicians – psychiatrists, mental health nurses, psychologists and other specialist allied health practitioners usually operating as multidisciplinary teams across community ambulatory, inpatient and bed based care settings. Most people who need these services have severe mental illness and significant functional difficulties that requires coordination of care and support across multiple agencies, family, friends, support people, carers and providers.

Service Stream		Primary and Specialised Clinical Ambulatory MH Care Services		
Service Category	AC	Case Finding		
Service Element	AC1	Case Finding		
Service Category	AA	Assessment		
Service Element	<u>AA1</u>	Brief Mental Health Assessment		
Service Element	<u>AA2</u>	Comprehensive Mental Health Assessment		
Service Element	<u>AA3</u>	Brief Physical Assessment		
Service Element	AA4	Comprehensive Physical Assessment		
Service Element	<u>AA5</u>	Assessment - Other		
Service Category	AB	Acute Care Services		
Service Element	<u>AB1</u>	Acute Care Services		
Service Category	CL	Consultation Liaison		
Service Element	<u>BG</u>	Consultation Liaison - General (Hospital)		
Service Element	<u>BL</u>	Consultation Liaison - Emergency Department (Hospital)		
Service Category	AR	Intensive Community Treatment Service		
Service Element	AR1	Intensive Community Treatment Team - C&A 0 - 17 years		
<u>Service Element</u>	AR2	Intensive Community Treatment Team- Adult - 18 - 64 years		
Service Element	AR3	<u>Intensive Community Treatment Team - Older Adult 65+ years</u>		
Service Category	AD	Day Program		

TRIM Ref: H12/35030

Version AUS V1 October 2013 103

Service Element AD2 Day Program Team - Adult - 18 - 64 years Service Category AM Monitoring & Ongoing Management Service Element AM1 Centre Based Monitoring & Ongoing Management Service Element AM2 Home Based Monitoring & Ongoing Management Service Element AL General Physical Health Monitoring & Ongoing Management Service Element AL Care Coordination and Liaison Service Element AL1 Care Coordination and Liaison Service Element AL2 Medico Legal Coordination and Liaison Service Element AT1 SPT Ultra Brief Intervention- Individual Service Element AT2 SPT Brief Intervention- Individual Service Element AT3 SPT Brief Intervention- Family Service Element AT4 SPT Brief intervention- Individual Service Element AT5 SPT Extended Intervention- Family Service Element AT6 SPT Extended Intervention- Family Service Element AT7 SPT Extended Intervention- Group Service Element AV1 Clinician Led Web-based Psychological Interventions </th
Service Element AL1 Care Coordination and Liaison Service Element AL2 Medico Legal Coordination and Liaison Service Element Service Element AL1 Service Element Service Element AT1 SPT Ultra Brief Intervention- Individual Service Element AT2 SPT Brief Intervention- Family Service Element AT3 SPT Extended Intervention- Family Service Element AT6 SPT Extended Intervention- Family Service Element AT7 SPT Extended Intervention- Group Service Element AT8 Spcialist Clinical Led Web-based Psychological Interventions Service Element AS1 Specialist Clinical Interventions - Other Service Element AP2 Transcranial Magnetic Stimulation (TMS) Service Element AP3 Other Evidence Based Physical Therapies Service Element AP3 Other Evidence Based Physical Therapies
Service Element AM2 Home Based Monitoring & Ongoing Management
Service Element AM3 General Physical Health Monitoring & Ongoing Managems Service Category AL Care Coordination and Liaison Service Element AL1 Care Coordination and Liaison Service Element AL2 Medico Legal Coordination and Liaison Service Category AT Structured Psychological Therapies (SPT) Service Element AT1 SPT Ultra Brief Intervention- Individual Service Element AT2 SPT Brief Intervention- Individual Service Element AT3 SPT Brief Intervention- Family Service Element AT4 SPT Brief intervention- Group Service Element AT5 SPT Extended Intervention- Family Service Element AT6 SPT Extended Intervention- Family Service Element AT7 SPT Extended Intervention- Group Service Element AT7 SPT Extended Intervention- Group Service Category AW Clinician Led Web-based Psychological Interventions Service Element AS1 Specialist Clinical Interventions - Other Service Element AP2 Transcranial Magnetic Stimulation (TMS) Service Element AP3 Other Evidence Based Physical Therapies Service Category AY Pharmacotherapy Service Element AY1 Pharmacotherapy
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Service Element AY1 Pharmacotherapy Prescription
Service Element AY2 Pharmacotherapy Review
Service Element AY2 Pharmacotherapy Review AY2 Pharmacotherapy Review

2.1.1 Service Category - Case Finding

Case-finding occurs when screening is offered when indicated to an individual during attendances for care.

2.1.1.1 Service Element - Case Finding

Attribute	Details				
Description	Case-finding to detect the presence of a MH illness/ illness - occurs when screening is offered when indicated to an individual during attendances for care.				
Service specificatio	ns and suggested modelling attributes				
Target Pop'n Profile	Individuals presenting to primary care with risk factors for mental illness				
Avg timeframe per activity (if applic)	1 x 15 minute once only				
Workforce	GP or Practice Nurse				
Evidence Base					
Level of Evidence:	1				
Key Reference:	 US preventive task force; Cochrane review of screening; 				
	NICE guidelines from the UK				

2.1.2 Service Category - Assessment

A mental health assessment is a determination of a person's mental health status and need for mental health services, made by a suitably trained mental health professional or mental health team (which may consist of a psychiatrist, psychologist, mental health nurse and/or allied health professional), based on the collection and evaluation of data obtained through interview and observation, of a person's mental history and presenting problem(s). The assessment may include consultation with the person's family and concludes with formation of problems/issues, documentation of a preliminary diagnosis or diagnosis, and a written treatment plan supported by the assessment and interview data.

<u>Description Source: Modified from Australian Institute of Health and Welfare 2012. Development of a</u> Prototype Australian Mental Health Intervention Classification 2013 Canberra.

The AIHW document provides a detailed view of the various sub-categories within the MHIC 1.0 and associated codes.

Element:	Brief Mental Health Assessment	Comprehensiv e Mental Health Assessment	Brief Physical Health Assessment	Comprehensive Physical Health Assessment	Assessmen - Other
Average timeframe per activity (if applicable)	Up to 30 mins per assessment. Average 15 mins	Up to 60 minutes per assessment. Average 45 mins	Up to 30 mins per assessment. Average 15mins	Up to 60 minutes per assessment. Average 45 mins	Up to 60 mins per assessment
Evidence Base					
Level of Evidence:					
Key Reference:	 NHMRC Guidelines and RANZCP clinical practice guidelines NICE guidelines from the UK MBS guidelines - Primary Care Items Medicare Health Assessments Resource Kit Development of a prototype Australian mental health intervention classification: a working paper. Working papers and data briefings. Cat. no. HSE 130. Canberra: AIHW. http://www.aihw.gov.au/publication-detail/?id=60129542689. 				
AFT INC	ONFIL				

2.1.2.1 Service Element - Brief Mental Health Assessment

Up to 30 mins per assessment. (average 15 minutes)

The assessment will be tailored and developmentally appropriate to the age of the person. This includes at least two elements of comprehensive assessment, which may include triage. It involves the gathering, evaluation and recording of information by suitably trained health or mental health professional relative to the CULATION OR CITATION OR CULATION OR CULATI person's problem(s), strengths, functional status or situation and must include (but is not limited to) at least two of the following assessment components:

- Mental status assessment
- Mental health history assessment
- Triage/emergency assessment
- Risk assessment
- Medication assessment
- Social assessment
- Environmental assessment
- Assessment summary and clinical formulation
- Review of care plan
- Developmental or observational assessment
- Functional assessment
- Cognitive assessment
- Psychological assessment
- Rehabilitation assessment
- Administer an outcome measurement tool

DRAFT IN CONFIDENCE. Description Source: Modified from Australian Institute of Health and Welfare 2012. Development of a Prototype Australian Mental Health Intervention Classification 2013 Canberra.

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0727

2.1.2.2 Service Element - Comprehensive Mental Health Assessment

Up to 60 mins per assessment. (average 45 minutes)

The assessment will be tailored and developmentally appropriate to the age of the person. This involves the gathering, evaluation and recording of information by suitably trained health or mental health professional relative to the person's problem(s), strengths, functional status or situation and must include (but is not limited to) at least four of the following assessment components:

- Mental status assessment;
- Mental health history assessment;
- Risk assessment;
- Medication assessment
- Social assessment
- Environmental assessment
- Assessment summary and clinical formulation
- Development of a further care plan (even if the plan includes provision of no further services);
- Review of care plan
- Developmental or observational assessment
- Functional assessment
- Cognitive assessment
- Psychological assessment
- Rehabilitation assessment
- Administer an outcome measurement tool
- Assessment summary and clinical formulation
- Development and Review of a Recovery Plan.

Description Source: Modified from Australian Institute of Health and Welfare 2012. Development of a Prototype Australian Mental Health Intervention Classification 2013 Canberra.

2.1.2.3 Service Element - Brief Physical Assessment

Up to 30 minutes per assessment (average 15 mins)

This involves the collection and assessment of information relating to physical health. A physical assessment is usually conducted as part of the general mental health assessment to determine appropriate interventions. The assessment will be tailored and developmentally appropriate to the age of the person. IN OR CITATION This is a targeted assessment that includes at least 1 of the components of a comprehensive physical assessment. This may include but is not limited to:

- Monitoring of medication side effects
- Preventative health review
- Monitor metabolic syndrome risk factors
- Monitor abnormal involuntary movements
- Monitor basic physical observations (pulse, BP, temperature, respiratory rate)
- Physical examination
 - Cardiovascular
 - Respiratory
 - Gastrointestinal
 - Neurological (brief and comprehensive)
 - Other 0

Description Source: Brief physical assessment is a term developed by the PCCNH EWG. We have applied the definition from "Physical assessment MHIC code 1041.00" AIHW MH intervention classification definition in italics - plus some other additional descriptors.

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O Comments re Child and Adolescent population - no changes recommended to that of a brief physical

Version AUS V1 October 2013 TRIM Ref: H12/35030

EXHIBIT 233 DBK.500.002.0729

2.1.2.4 Service Element - Comprehensive Physical Assessment

Up to 60 minutes per assessment (average 45 minutes)

This involves the collection and assessment of information relating to the physical state of a person with a mental health condition. A physical assessment is usually conducted as part of the general mental health assessment because it is important to assess both the physical and mental health status of the person to determine appropriate interventions, especially those involving medications. Some physical conditions may create the appearance of mental health conditions.

The health assessment must include:

- information collection, including taking a patient history and undertaking examinations and investigations as clinically required;
- making an overall assessment of the patient's health, including the patient's readiness to make lifestyle changes;
- initiating interventions and referrals as clinically indicated;
- providing advice and information about lifestyle modification programs to the patient including strategies to achieve lifestyle and behaviour changes;
- keeping a record of the health assessment, and offering the patient a written report about the health assessment, with recommendations about matters covered by the health assessment; and
- offering the patient's family, friends, support people and carers (if any, and if the medical practitioner considers it appropriate and the patient agrees) a copy of the report or extracts of the report relevant to the carer.

Comments re health assessment for a person aged 75 years and older

The health assessment must include:

- information collection, including taking a patient history and undertaking or arranging examinations and investigations as required;
- making an overall assessment of the patient;
- · recommending appropriate interventions;
- · providing advice and information to the patient;
- keeping a record of the health assessment, and offering the patient a written report about the health assessment, with recommendations about matters covered by the health assessment; and
- offering the patient's family, friends, support people and carers (if any, and if the medical practitioner considers it appropriate and the patient agrees) a copy of the report or extracts of the report relevant to them.

Specific components of the health assessment for older people include:

- measurement of the patient's blood pressure, pulse rate and rhythm;
- an assessment of the patient's medication;
- an assessment of the patient's continence;
- an assessment of the patient's immunisation status for influenza, tetanus and pneumococcus;
- an assessment of the patient's physical function, including the patient's activities of daily living, and whether or not the patient has had a fall in the last 3 months;
- an assessment of the patient's psychological function, including the patient's cognition and mood;
 and
- an assessment of the patient's social function, including the availability and adequacy of paid and unpaid help, and whether the patient is responsible for caring for another person.

The health professional undertaking the health assessment may also consider:

- any need the patient may have for community services;
- whether the patient is socially isolated;
- the patient's oral health and dentition; and
- the patient's nutrition status.

<u>Description Source: Comprehensive physical assessment is a term developed by the PCCNH EWG. We have applied the definition from "Physical assessment MHIC code 1041.00" AIHW MH intervention classification definition in italics - plus some other additional descriptors.</u>

Version AUS V1 October 2013 TRIM Ref: H12/35030

n AUS V1 October 2013 110

2.1.2.5 Service Element - Assessment - Other

Up to 60 minutes per assessment

This activity includes all other assessments that may be required by an individual other than the assessment activities described above. This may include assessments for exercise based or occupational therapy. An example of an Assessment - Other is a rehabilitation assessment. This involves a mental health professional responsibilities. This may have a focus on activities such as employment, parenting etc or specific abilities/tasks within an activity.

Description Source: Modified from Australian Institute of Health and Welfare 2012. Development of a Prototype Australian Mental Health Intervention Classification 2013 Canberra. undertaking an assessment of the impact of mental illness on a person's ability to fulfil their roles and responsibilities. This may have a focus on activities such as employment, parenting etc or specific

Version AUS V1 October 2013 TRIM Ref: H12/35030

111

2.1.3 Service Category - Acute Care Services

2.1.3.1 Service Element - Acute Care Services

Attribute	Details												
Description	acute care needs in a comi) provide a mental health serve munity setting. ACS are delive first point of contact to mental	ered by multidisciplinary										
	ACS are aimed at persons to all age groups.	aged 18-64 but also provide a	after-hours crisis response										
	 Ensure timely resp Ensure a timely as people in the acute admission to an inp Facilitate onward response 	 Provide a centralised, co-ordinated mental health triage 24/7. Ensure timely responses to mental health crises in the community. Ensure a timely assessment and provide short term mental health care for people in the acute phase of a mental illness as an alternative to an admission to an inpatient or bed based service Facilitate onward referral to the most appropriate services. Acute Care Services for persons aged 0-17yrs and over 65 years are usually											
	provided as Access components of age specific community mental health teams. These services operate in business hours. They are delivered by multidisciplinary teams that provide specialist expertise in the initial intake (advice, information and screening/triage), specialist clinical assessment and treatment, social and functiona assessment, forward referral and assessment of family, friends, support people and carers, ensuring timely access to specialist mental health services.												
Fundamental Attributes	Facilitate community access 24/7 to mental health triage, crisis assessment and intervention across all age groups. Acute Care Services provide short term home based acute treatment. Services are provided by multidisciplinary teams with defined clinical governance structures and clear pathways of care. ACS are integrated with local mental health services, emergency departments and primary care supports.												
-	s and suggested modelling		T										
Target Age:	0-17years	18-64 years	65+ years										
Target Population Profile	Infants, children and adolescents up to the age of 18 years predominantly, will have diagnoses such as depression, anxiety illnesses, adjustment illnesses, attachment illnesses, developmental illnesses and behavioural illnesses including complex attention deficit hyperactivity illness and conduct illness. Many people will also present with peer and family problems, which can exacerbate mental health problems and illnesses.	All persons with serious mental illness or mental illness or mental illness who have associated significant levels of disturbance and psychosocial disability due to their illness. This includes some people diagnosed with conditions such as severe personality illness, or those who present in situational crisis that may lead to self-harm or inappropriate behaviour towards others, the distinguishing factor being the level of severity of the disturbance and problem.	Individuals over the age of 65 who have complex presentations including: serious mental illness or mental illness who have associated significant levels of disturbance and psychosocial disability due to their illness and/or exacerbation of underlying personality traits, drug and alcohol problems and physical health care needs; serious mental illness complicated by functional difficulties associated with ageing; or severe mental illness as a complication of the behavioural and psychological symptoms associated with dementia										

Version AUS V1 October 2013 TRIM Ref: H12/35030 EXHIBIT 233

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0732

Workforce			related illnesses.									
	Multidisciplinary	Multidisciplinary	Multidisciplinary									
Hours of Operation	Business Hours with capacity for some After Hours programs.	24/7	Business Hours									
Evidence Base												
Level of Evidence:	2											
 Key Reference Source: Acute Care Team Model of Service, Queensland Public Mental Health Services (Endorsed Executive Director Mental Health, Queensland 02/07/2010) Community Child and Youth Model of Service, QLD Public Mental Health Services (Endorsed Executive Director Mental Health, Queensland 02/07/2010) Crisis Assessment and Treatment Teams (CAT Services) (Victoria 2007) BMJ. 2005 September 17; 331(7517): 599. Randomised controlled trial of acut mental health care by a crisis resolution team: the north Islington crisis study. Sonia Johnson, senior lecturer in social and community psychiatry, Fiona Nolan, research fellow in mental health nursing, Stephen Pilling, Director, Andrew Sandor, consultant psychiatrist, John Hoult, consultant psychiatrist, Nigel McKenzie, consultant psychiatrist, and Paul Bebbington, professor of social and community psychiatry 												
Limitations of Evidence:	Nil	psychiatry										
Recommendations for future research:	N/A	2011										
AFT IN CONT	CK. NOT											

Service Element – Acute Care Services – Staffing Profile

Acute Care	Services							Acute Care S	ervice (Team	modelled fo	r approx 250),000 people @ 11 Fte/100k)
SCHEME	STAFF CATEGORY	FTE	Other time	Gross available daily hours (wkly/7)	Net consumer service available daily delivery hours	consumer service annual	Available hours per annum per FTE		Cost	FTE % share	Over heads	
NMHSPF	TOTAL	28.95		180.99	86.62	31,615	1,092	103,197	2,988,005	100%	23%	Information from (
NMHSPF	Vocationally Qualified	191	0.33	45.	187	- 4	~	\$0	\$0	0%	23%	Hours Per Annum f
NMSPF	Peer Worker	1.45	0.33	6.79	4.55	1,661	1,149	\$57,070	\$82,487	5%	23%	Total Target Popula
NMHSPF	Tertiary Qualified	24.32	0.33	107.06	71.73	26,181	1,077	\$97,499	\$2,371,157	84%	23%	Total Hours Req pe
NMHSPF	Medical	3.19	0.33	15.43	10.34	3,773	1,183	\$167,545	\$534,361	11%	23%	

NMHR	TOTAL	Total FTE (Includes Leave)	Other time	Gross available daily hours (wkly/7)	Consumer service delivery hours daily	Consumer Service delivery hours annual	Available hours/ann um/FTE	Salary **	Cost		
NMHR	Total Medical	3.19		15.43	10.34	3,773	1,183	05.00	\$534,361	11%	23%
NMHR	Psychiatrist	1.54	33%	7.43	4.98	1,817	1,183	\$200,564	\$307,989	5%	23%
NMHR	Registrar	1.65	33%	8.00	5.36	1,956	1,183	\$136,885	\$226,372	6%	23%
NMHR	Junior Medical Officer	-	33%	(+)			(-	\$150,783	\$0	.0%	23%
NMHR	Other Medical Specialis	J+	33%	9	7.	29		\$200,564	\$0	0%	23%
NMHR	Total Nursing	20.51		89.14	59,73	21,800	1,063		\$2,007,015	71%	23%
NMHR	Registered Nurse	17.96	33%	77.71	52.07	19,005	1,058	\$92,550	\$1,662,526	62%	23%
NMHR	Nurse Practitioner	2.54	33%	11.43	7.66	2,795	1,098	\$135,388	\$344,489	9%	23%
NMHR	Enrolled Nurse		33%		-	-	172	\$67,197	\$0	0%	23%
NMHR	Total Allied Health	3.81		17.91	12.00	4,381	1,149	300	\$364,142	13%	23%
NMHR	Psychologist	0.58	33%	2.71	1.82	664	1,149	\$95,532	\$55,173	2%	23%
NMHR	Social Worker	1.62	33%	7.60	5.09	1,859	1,149	\$95,532	\$154,485	6%	23%
NMHR	Occupational Therapist	1.62	33%	7.60	5.09	1,859	1,149	\$95,532	\$154,485	6%	23%
NMHR	Other TQ (eg pharmacis	-	33%	20	- 12	-	1100	\$67,381	50	0%	23%
NMHR	VQ and Peer Workers	1.45		6.79	4.55	1,661	1,149		\$82,487	.5%	23%
NMHR	Consumer Peer Worker	0.81	33%	3.79	2.54	928	1,149	\$58,831	\$47,478	3%	23%
NMHR	Carer Peer Worker	0.64	33%	3.00	2.01	734	1,149	\$54,844	\$35,008	2%	23%
NMHR	VQMH Worker	12	33%		1.2	1.0	1.0	\$45,724	\$0	0%	23%
NMHR	VQ Other		33%	4.5			-74.3	\$51,717	\$0	0%	23%

Total Available Hours 31615.07

Annual Cost Salaries \$2,988,005 * Including Overheads 22.5% \$3,660,306 Information from Care Package

Hours Per Annum for an individual 220 Total Target Population for care pa 2,250 Total Hours Req per Annum 495,000

NMHR NMHR Total Modical		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	59,075	49.94	T	\$8,366,533
NMHR	Psychiatrist	28,444	24.04	\$200,564	\$4,822,212
NMHR	Registrar	30,632	25.89	\$136,885	\$3,544,321
NMHR	Junior Medical Officer		10.0	\$150,783	\$0
NMHR	Other Specialist			\$200,564	\$0
NMHR	Total Nursing	341,323	321.10		\$31,424,010
NMHR	Registered Nurse	297,563	281.26	\$92,550	\$26,030,308
NMHR	Nurse Practitioner	43,759	39.84	\$135,388	\$5,393,702
NMHR	Enrolled Nurse		-	\$67,197	SO
NMHR	Total Allied Health	68,593	59.68		\$5,701,406
NMHR	Psychologists	10,393	9.04	\$95,532	\$863,849
NMHR	Social Workers	29,100	25.32	\$95,532	\$2,418,778
NMHR	Occupational Therapists	29,100	25.32	\$95,532	\$2,418,778
NMHR	Other	2-	4	\$67,381	50
NMHR	VQ and Peer Workers	26,009	22.63	777.75	\$1,291,500
NMHR	Consumer Peer Worker	14,523	12.64	\$58,831	\$743,370
NMHR	Carer Peer Worker	11,487	9.99	\$54,844	\$548,130
NMHR	VQMH Worker	1.5	-	\$45,724	\$0
NMHR	VQ Other	19		\$51,717	\$0

Total FTE 453.34 FTE/Client 0.20 Case load..clients/FTE 5 **Annual Cost Salaries** \$46,783,450 * Including Overheads 22.5% \$57,309,727

Version AUS V1 October 2013 TRIM Ref: H12/35030

114

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_					Nul	sing				-		Medical						n .				Vocat Qual		iai	ACIVI
De	escription	Director	CNC/NUMNE	ON	RN	Entolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VQ Other	VQ Total	All
									Total					Total					Total					Hours	Hour
Base Weekly	Unirs	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38.0	38.0	38.0	38.0	Worked	38	38	38	38	Worked	Work
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Worker	Hirs	Hrs	Hrs	Hrs	mones	Hrs	Hrs	His	Hrs	W OTHER			Hrs	Hrs	Worked	
Monday	Day	1,100	8	8	16		8	16	56	_	8			20		_		1	19.0	3.	3.0		,,,,,	6.8	
130.2	Evening	1		В	24		8		40					-										- 1	
	Night													100			1								
Tuesday	Day		8	- 8	- 16	1	8	16	56					16	3.6	7.6	7.6		19.0	3.	3.0			6.8	
	Evening			8	24		8		40															3-1	
	Night	-							-					-										7	
Wednesday	Day		В	8	110	3	8	16	56	12				20	3.8	7.6	7.6		19.0	3.	3.0			6.8	
	Evening			8	24		. 8		40			1					1							7	
	Night	-												-										1	
Thursday	Day		8	8	. 16		8	16	56	8	8			16	3.8	7.6	7.6		19.0	3,1	3.0			6.8	
	Evening			8	24		8		40								1								
	Night	-				*								- 6											
Friday	Day	1	8	8	16		8	16			8			20	3.8	7.6	7.6		19.0	3.	3.0			6.8	
	Evening	1		8	24		8		40								3 3		<u> </u>						
	Night.	1		-					~										-					-	
Saturday	All shifts	-	-	16	40		16		72		8			8		7.6	110		15.2	3.				6.8	
Sunday	All shifts		40	16			16		72 624		56			108	40.0	7.6 53.2			15	26.6			_	47.6	
Total H	ours per week	-	40	112	280	-	112	80	624	52	56		-	108	19.0	53.2	53.2		125	26.6	21.0	3+0	+	47.6	
	er Leave Relief week	. 8	8	9)	9 9	16	9			8		8 8		1	7	7		7		7	7	7		
	des (weighted)								1										4						
Public Holida		0	0	11	1	1 11	11	- 11			11	1	1 11		12.1		1-41	112			1 1 1	20.0	714.13		
Productive W	eeks per FTE	44.14	44.14	43.14	43.1	43.14	36.14	43.14		44.14	44.14	44.1	4 44.14		45.14	45.14	45.14	45.	14	45.1	45.14	45.14	45.14		
Day Shiff Hou	irs (Mon-Fri)	-	40	40	_		40	80			40			92	19	38	38		95	19	15	- ×3	-	34	
Evening Hou		-		40	100	-	40	5-81	200	-	-			5-		-	5.		30		-	5.3		I	
Night Hours		-	-				1.4			-	×	- 3	-			-	-	В	*		-		- 3		
Saturday Hou		-		16	_		16		72		8	-	1	8		8	8			4			-	7	
Sunday Hour		-	1	16			16		72		8		-	8		8	8	×	11/1-	4	3	- V		7	
Total Hours			40	112	280) -	112	80	624	52	56			108	19	53	53		125	27	21		-	48	
Weekly FTE's		3	1.1	2.9	7.4	-	2.9	2.1	16.4	1.3	1.4	-	2	2.7	0.5	1.4	1.4		3.3	0.7	0.6	7-41	1 3	1.3	
Relief FTE's		- L	0.2			142	1.3						2	0.5					77.	0.1			3	0.2	
Annual FTE	5		1.2	3.6	8.9		4.3	2.5	20,5	1.5	1.7			3.2	0.6	1.6	1.6		3.8	0,8	0.6		0.00	1.4	1 1 1 1 1 1 1

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, cleaning other non-labour costs including communicatio, transport, utilities and maintenace etc. It is expressed as a proportion of labour costs.

Variable inputs

Variable Inputs

Comments:

Drawn from RMH and AH Vic & Qld PMH Modelling Does not include ED acute care. Consumer Peer Workers modelled at a ratio of 2.5% (1:40) of the ambulatory workforce, based on a ratio of 1FTE peer work per 100K to an overall ambulatory rate of 40FTE per 100K population. Carer Peer work is modelled at 1.8% (0.75:40) of the ambulatory workforce.



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.1.4 Service Category - Consultation Liaison

2.1.4.1 Service Element - Consultation Liaison - General (Hospital)

Attribute	Details
Status	Delivered in non-mental health general hospital beds
Services Delivered	Provides specialist mental health services to patients within the general hospital setting. Conducts mental health assessments and provides advice on clinical management and early recognition of symptoms relating to mental health to the general health treating team. Facilitate linkages between the general hospital, primary care and other health services for patients whose physical health care is complicated by their mental health problems. Also provides teaching, training and mental health promotion support for general hospital staff.
Key Distinguishing	Consultation liaison (CL) teams are multidisciplinary and while operating as part of
Features	the local area or district mental health service are embedded in the work of the general hospital. As well as local services CL teams may use telemedicine services to support smaller 'satellite' hospitals. CL teams have an important role in maintaining continuity of care between general hospital and mental health services and are actively involved in teaching and research programs within the hospital.
Service specification	ns and other useful descriptors to illustrate service elements.
Target Age:	All
Diagnostic Profile	Patients of the general hospital (including obstetric units) who may have significant mental health problems or have clinically significant distress associated with their medical illness.
Hours	Mon-Fri – Business hours with after hours on call emergency service provided by local mental health or in larger services by the CL team.
Suggested Modellin	g Attributes
Indicative staffing FTE/Bed	Multidisciplinary – 50% consultation role and 50% liaison role. 12.78 FTE – modelled as service for a large General Hospital (600 beds).
Sources	 Consultation Liaison Psychiatry Model of Service, QPMHS, Queensland, 2011. Mental Health Responses in Emergency Departments, Program Management circular, Victorian Government, 2008. Delivering the Governments Mental Health Policies, Services, Staffing and Costs, Boardman and Parsonage, the Sainsbury Centre for Mental Health, UK, 2007. Royal Melbourne and Alfred Hospitals, Melbourne, Victoria. NMHSPF Expert Working Group

Service Element – Consultation Liaison – General (Hospital) – Staffing Profile

Consultation	on Liaison - General (Hospi	tal)				_					18 1 1
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours	FTE scalar	Wghtd avge salry	Cost	/person	Overheads %
NMHSPF	TOTAL	12.78	0.02	59.43	0.10	21,691	1,698	#DIV/0!	\$1,564,097	0.11	30%
NMHSPF	Vocationally Qualified	0.00	0.00	0.00	0.00		- 37	#DIV/0!	\$0	77 197	30%
NMSPF	Peer Worker	0.00	0.00	0.00	0.00	1.0	2.1	#DIV/0!	\$0	L 30	30%
NMHSPF	Tertiary Qualified	8.76	0.01	40.00	0.07	14,600	1,666	\$101,014	\$884,992	0.08	30%
NMHSPF	Medical	4.02	0.01	19.43	0.03	7,091	1,766	\$169,090	\$679,105	0.04	30%
				Hours/	Hours/		- D -	1	-,- /		G- 1.5
NMHR	TOTAL	FTE	FTE/Bed	day	ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	4.02	0.01	19.43	0.03	7,091	1,766	2000	\$679,105	0.04	30%
NMHR	Psychiatrist	1.18	0.00	5.71	0.01	2,086	1,766	\$212,167	\$250,620	0.01	30%
NMHR	Registrar	1.65	0.00	8.00	0.01	2,920	1,766	\$136,885	\$226,372	0.02	30%
NMHR	Junior Medical Officer	1.18	0.00	5.71	0.01	2,086	1,766	\$171,102	\$202,113	0.01	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00		-	\$212,167	\$0	5 6	30%
NMHR	Total Nursing	6.45	0.01	29.14	0.05	10,637	1,649		\$651,533	0.06	30%
NMHR	Registered Nurse	5.18	0.01	23.43	0.04	8,551	1,651	\$92,550	\$479,288	0.04	30%
NMHR	Nurse Practitioner	1.27	0.00	5.71		2,086	1,639	\$135,388	\$172,245		30%
NMHR	Enrolled Nurse	0.00	0.00	0.00	0.00			\$67,197	\$0	100	30%
NMHR	Total Allied Health	2.31	0.00	10.86	0.02	3,963	1,715	130/100	\$233,460	0.02	30%
NMHR	Psychologist	2.31	0.00	10.86		3,963	1,715	\$101,058	\$233,460	1	30%
NMHR	Social Worker	0.00	0.00	0.00			100	\$101,058	\$0		30%
NMHR	Occupational Therapist	0.00	0.00	0.00	-	1.6	1.8	\$101,058	\$0		30%
NMHR	Other TQ (eg pharmacis	0.00	0.00	0.00			- 1	\$71,279	\$0		30%
NMHR	VQ and Peer Workers	0.00	0.00	0.00	-	-		\$0	\$0		30%
NMHR	Consumer Peer Worker	0.00	0.00	0.00	-	12	(3)	\$62,234	\$0		30%
NMHR	Carer Peer Worker	0.00	0.00	0.00	200-2	-	13	\$62,234	\$0		30%
NMHR	VQMH Worker	0.00	0.00	0.00		- 1	13	\$48,370	\$0		30%
NMHR	VQ Other	0.00	0.00	0.00	0.00			\$58,686	\$0		30%

Annual Cost Salaries	\$1,564,097
* Including Overheads 30%	\$2,033,326
Average Daily Available Bed Day C	\$9
Average Cost per Patient per annu	5141

Beds	600
Availability	100%
Average Available Beds ABD/Bed/Year	600 365
Occupancy	87%
OBD/Bed Year	317.6
ALOS (days)	12
Admissions/Bed/Year	26.46
Annual Readmit Rate	10%
Patients/Bed/Year	24.06

Calculate	or .	
Number	of standardised admissions per annum	
multiplie	d by target population	5245
Beds Req	uirred	198
Cost		\$671,692
Staffing		
NMHR.	Total Medical	1.3
NMHR	Psychiatrist	0.4
NMHR	Registrar	0.5
NMHR	Junior Medical Officer	0.4
NMHR	Other Specialist	0.0
NMHR	Total Nursing	2.1
NMHR	Registered Nurse	1.7
NMHR	Nurse Practitioner	0.4
NMHR	Enrolled Nurse	0.0
NMHR.	Total Allied Health	0.8
NMHR	Psychologists	0.8
NMHR	Social Workers	0.0
NMHR	Occupational Therapists	0.0
NMHR	Other	0.0
NMHR	VQ and Peer Workers	0.0
NMHR	Consumer Peer Worker	0.0
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		4.2

				_	Nu	rsing						Medical			Allied Health					Peer Workers Voc Qual			AQM		
De	scripéon	Drector	CNGNUMNE	DN	FIN	Errolled Name	Graduate Nurse Training	Nurse Dractificant	Nursing Total	Psychiatrist	Register	Jan Med DB	Office Special of	Medical Total	Psychologial	Social Worker	Occupational Transpirat	Other	Allied Health Total	Generator Peer		VQ MHW griller	Va Dive	VQ Total	All Total
									Section 2		-		-	200					land a			-		Hours	Hours
Bass Weekly Day	Shift	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	40 Hrs	40 Hrs	Hrs	40 Hrs	Worked	38 Hrs	38 Hrs	SS Hrs	38 Hrs	Worked	38	38	38 Hrs	36 Hrs	Worked	Worked
Monday	Day	- 4		8		10.2		- 8	28			100	.,,,,	24				- 100	15.2			-	102		1
-	Evening								9						1.00				100						
	Night	-						-																-	
Tuesday	Day	-	- 8	8				8	24	8				24	16.2				15.2				-		
Constant of	Evening	- 4	- 1	8					8					2	1				11.00	5				7.0	
	Night	-	-						-										1 6	7				- 1	1 1
Wednesday	Day	- 4	8	8				8	28	8				24	15.3				15.2	1				= 0	100
1	Evening	-	4	8				-	8					-					1) = =				- 1	
	Mate	-	- 6.3	100				-											-	1			1		
Thursday	Day		8	8				8	24	8		8		24	15.3	1			15.2	4				- X	
-	Evening	-	-	8				-	8							4				1				-	
	Night	-	- 1					-	-	-				- X		1	1		100						
Friday	Day	4	8	8				8	28	8				24	15,5				15.2	7				-	
160	Evening		- 1	8					8								1		20					25.0	1 (
	Night	-	-											-					3-					-	
Saturday	Allabita	-	~	16					16					8					-						10.00
Sunday	All white	-		16		016			16					90										1 -21	V 1
Total H	ours per week	12	40	112	~	- K	- 6	40	204	40	56	40	8	136	76.0	1 = 1K	5		76			- b	14.0		4
Armusi & Oth	er Lauve Rainf was		9 6	9		9 9	17		1	8	-				7	7	7		7	7		7	7		
On Call Epise	des (weighted)																								
Public Holida	ya Worked		9 0	-11	- 4	1 11	31	- 14			- 13	- 11	- 10												
Productive W	exico per FTE	44.1	44.14	43,14	43.14	43.14	35.14	43.14		44.14	44:14	-44.14	44.14		45.14	45.14	45.14	49,1	4	45.14	45.14	45.14	45.14		
Day Shift Ho	n (Mon-Fri)	12	40	40	-		-	-40	132	40	40	40		120	75		-		76	-					3
Evening Hou	(Mas-Fri)		-	46	100	-	-		40				-					-	-			-		-	
Night Hours	Mas-Fri)			-	-		-				-						10-01	-		11	-				
Seturday His				16		11	100		16		8			- 8	4	1.5	10-01	1			-		7 74 4		
Sunday Hour	, I			16	-	1.5	-		16		200	-	1	8	-	11 1 2-61	3-0		10.00	1	-		-		
Total Hours		12	40	112	- ×	1	-	40	204	40	56	40	- ×1	136	76	-	-	-	76			-	100	- 21	4
Worldy FTE:		0.9	1.0	29		1		1.1	5.4	1.0	1.4	1.0	- 1	3.4	2.0		15 - 2	-	2.0			-	100	-11	10
Refet FTE		0.1	0.2	0.6		10 - 00		0.2	- 4.1	0.2	0.3	0.2		0.6	0.3	1.5	-	11	0.3	A T -21	190		191		-14
Annual FTE		9.4	1.2	3.6				1.3	6.5	1.2	1.7	1.2	5.1	4.0	23	7.5	11	100	23		5.14	5.0	5-1		12

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable inputs

Variable Inputs

Comments:

Estimate drawn from Boardman & Parsonage UK, 2007 and QLD profiles.

Team structure for 600 bed hospital For ED and General. Need to split if needed Need to describe service parameters.

Validation B Kotze



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.1.4.2 Service Element - Consultation Liaison - Emergency Department (Hospital)

Attribute	Details							
Status	Delivered in general hospital emergency department							
Services Delivered	Consultation/liaison in the emergency department is provided by specialist mental health staff. These staff may be a component of the mental health acute care service co-located in the emergency department or employed as emergency department staff or in smaller services on-call recall services may be in place. The key functions in the provision of emergency department consultation/liaison are facilitation of: • specialist mental health intake, assessment, treatment (if indicated) to enable prompt referral and access to appropriate mental health care and/or support 24 hrs, 7 days a week. • linkage to appropriate services for follow up and/or facilitation of transfers to inpatient units if indicated. • advice on clinical management and early recognition of symptoms relating to mental health to the emergency department treating team • linkages between the emergency department, emergency response services, primary care and other health services Specialist mental health staff may also be collocated with emergency response services (e.g. Police, Ambulance and Clinical Early Response) • teaching, training in mental health specialty for emergency department staff. CL-ED teams have an important role in maintaining continuity of care between emergency department and mental health services and are actively involved in teaching and research programs with emergency department staff.							
Key Distinguishing Features	Operate 24 hour, 7 days a week in an emergency department setting. Consultation liaison teams are multidisciplinary and while operating as part of the local area or district mental health service, are embedded in the work of the emergency department and located in the emergency department. As well as provision of service to local emergency departments CL teams may use telemedicine services to support staff in smaller 'satellite' emergency departments. Effective, collaborative partnerships with local mental health services/teams, Emergency Department services/teams external service providers and agencies, specifically general practitioners, the Police Service, the Ambulance Service, alcoho and other drugs services.							
	ons and other useful descriptors to illustrate service elements.							
Target Age:	All							
Diagnostic Profile	All persons, any age, presenting to Emergency Departments requiring a mental health response. This may include children and young people, adults and older persons with psychosis, depression and other mood illnesses, anxiety conditions, attempted suicide and other acts of deliberate self-harm, behavioural disturbances that may be associated with substance use, and reactions to personal crises. People may also present with associated or unrelated physical problems. 24 hours / 7 days							
Suggested Modelli								
Indicative								
staffing FTE/Bed	14.4 FTE – modelled as service for a large General Hospital (600 beds)							
Sources	 Acute Care Team MOS Consultation Liaison Psychiatry Model of Service, QPMHS, Queensland, 2011. Police, Ambulance and Clinical Early Response Evaluation Final Report April 2012 Victoria Mental Health Responses in Emergency Departments, Victorian Government, 2008. Delivering the Governments Mental Health Policies, Services, Staffing and Costs, Boardman and Parsonage, the Sainsbury Centre for Mental Health, UK, 							

2007.
 Royal Melbourne and Alfred Hospitals, Melbourne, Victoria.
NMHSPF Expert Working Groups.

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Service Element - Consultation Liaison - Emergency Department (Hospital) - Staffing Profile

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours	FTE scalar	Wghtd avge salry	Cost	/person	Overheads %
NMHSPF	TOTAL	14.44		61.14	0.10	22,317	1.545	#DIV/0!	\$1,672,352		30%
NMHSPF	Vocationally Qualified	0.00		0.00	0.00		- 1	#DIV/0!	50		30%
NMSPF	Peer Worker	0.00		0.00	0.00	100	(2)	#DIV/0!	50		30%
NMHSPF	Tertiary Qualified	10.54		42.29		15,434	1,464	\$99,584	\$1,049,835		30%
NMHSPF	Medical	3.90	0.01	18.86	0.03	6,883	1,766	\$159,698	\$622,517	0.0	30%
-				Hours/	Hours/						7
NMHR	TOTAL	FTE	FTE/Bed	day	ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR.	Total Medical	3,90	0.01	18.86	0.03	6,883	1,766	100	\$622,517	0.0	30%
NMHR	Psychiatrist	1.18	0.00	5.71	0.01	2,086	1,766	\$212,167	\$250,620	0.0	30%
NMHR	Registrar	2.72	0.00	13.14	0.02	4,797	1,766	\$136,885	\$371,896	0.0	30%
NMHR	Junior Medical Officer	0.00	0.00	0.00	0.00	1	-	\$171,102	50	546	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00	12	2.2	\$212,167	\$0	- 4	30%
NMHR	Total Nursing	8.23	0.01	31.43	0.05	11,471	1,394		\$816,376	0.1	30%
NMHR	Registered Nurse	6.96	0.01	25.71	0.04	9,386	1,349	\$92,550	\$644,131	0.0	30%
NMHR	Nurse Practitioner	1.27	0.00	5.71	0.01	2,086	1,639	\$135,388	\$172,245	0.0	30%
NMHR	Enrolled Nurse	0.00	0.00	0.00	0.00	14		\$67,197	\$0		30%
NMHR	Total Allied Health	2.31	0.00	10.86	0.02	3,963	1,715	13000	\$233,460	0.0	30%
NMHR	Psychologist	2.31	0.00	10.86	0.02	3,963	1,715	\$101,058	\$233,460	0.0	30%
NMHR	Social Worker	0.00	0.00	0.00	0.00		100	\$101,058	\$0	-	30%
NMHR	Occupational Therapist	0.00	0.00	0.00	0.00	1.0	1.9	\$101,058	\$0	2	30%
NMHR	Other TQ (eg pharmacis	0.00	0.00	0.00	0.00			\$71,279	\$0		30%
NMHR	VQ and Peer Workers	0.00	0.00	0.00	0.00			\$0	\$0	-	30%
NMHR	Consumer Peer Worker	0.00	0.00	0.00	0.00	1.2	(2)	\$62,234	\$0	11 81	30%
NMHR	Carer Peer Worker	0.00	0.00	0.00	0.00	-	(2)	\$62,234	\$0	21	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	2	(3)	\$48,370	\$0	8.1	30%
NMHR	VQ Other	0.00	0.00	0.00	0.00		- 2	\$58,686	\$0	- 40	30%

elite version	** *** ***
Annual Cost Salaries	\$1,672,352
* Including Overheads 30%	\$2,174,058
Average Daily Available Bed Day C	\$10
Average Cost per Patient per annu	5151

Beds	600
Availability	100%
Average Available Beds	600
ABD/Bed/Year	365
Occupancy	87%
OBD/Bed Year	317.6
ALOS (days)	12
Admissions/Bed/Year	26.46
Annual Readmit Rate	10%
Patients/Bed/Year	24.06

Calculate	r	
Number	of standardised admissions per annu	ım
	d by target population	5245
Beds Req	uirred	198
Cost		\$718,182
Staffing		
NMHR	Total Medical	1.3
NMHR	Psychiatrist	0.4
NMHR	Registrar	0.9
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	2.7
NMHR	Registered Nurse	2.3
NMHR	Nurse Practitioner	0.4
NMHR	Enrolled Nurse	0.0
NMHR.	Total Affied Health	0.8
NMHR	Psychologists	0.8
NMHR	Social Workers	0.0
NMHR	Occupational Therapists	0.0
NMHR	Other	0.0
NMHR	VQ and Peer Workers	0.0
NMHR	Consumer Peer Worker	0.0
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		4.8

	-	Nursing			Medical					A	llied Heal	th		Peer Wo	rkers		Voc Qual		AQMH						
De	scription	Divers	CNGNUMNE	ON	RN.	Errolled Name	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiania	Flegister	Jui Wid OF	Other Specialist	Madical Total	Psychologist	-	Occupational Therapist	Other	Allied Health Total	Consumer Pour Worker	Cerer poer Worket	VQ MHWarkey	YQ Other	VQ Total	To
												1 - 1												Hours	14
and Weekly	_	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	33	38	38	58	Worked	Wo
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs			-	Hrs	Hrs		
ndey	Day	4		8				8	20	8	8			16	15.3	2			15.2					-	
	Evening			8					8		. 4			4										-	
	Night	9		8					8					-					-					-	
nday	Day			8		1		- 8	16	8	8			16	15.1	2			15.2		1				1
	Evening	-		8					8		4			4							1				
	Night.	-		8			3		- 8												1			-	
dready	Day	- 4		8				9	20	8				16	16.3	2			15.2						
	Evening			8					-8		4										1				
	Night			8					- 8					-					C		2.			7-21	
oraday .	Dwy			8					16	8				16	15.3	2			15.2					-	115
	Evening	-		8					- 8		- 4	-		- 4											1.0
	Night			8					8								-		E - 44						
Sey	Day	- 4		8				8	20		- 8	0		16	15.3				15.2						
	Evening			8					8		- 4			4											
	Night			8			-		В												-			-	
nurday	All strike	-		24					24		15			16											
nde	All diffs	- 1	72.0	24					24		16			16											
_	ours per words	12	- 41	168		- +	-	40	220	40	92		100	132	76.0	+	-	-	76					3.1	
														- 1											_
nial & Ob	er Lowe Heliatean	8	8	9		9 9	17	10		8	8	8	8		-7	-7	7	. 5	7			7	17		
Call Episo	Contrigion) colo																								
blic Holiday	ya Worked	0	. 0			1 11	- 11	11					- 11												
odladíva W	kela per FTE	44.14	44.14	43.14	43.1	43,14	35.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.1	4	45.14	45.1	45.14	45,14		
PENU.	ura (Mon-Fri)	12	40	40		_		40	92	40	40			80	76				76						-
	100	16	-40	40		-		40	40	40	20	_	-	20	1.0	-	_	-	70						
	ns (Mon-Fri)		-	40		-					20		-	24	_			-	-		-	-			
ht Hours		_	-		-				40		- 1	-	-		_		- 100	_	-			-		_	-
urday Hou			-	24		-			24	-	15		-	(6	_		- ×	-			-		-	-	H-
nday Hours		7.4		24	-			8.1	.24	12	16		-	16		-	-	-	-	-		-		-	-
al Hours		(2	40	168				-40	220	40	92			132	76		_		76		-				
kly FTE:		0,3	1.1	4.4				4.0	6.8	1.0	2,3		-	3.3	2.0			1 - 4	2.0			-	-	-	1
of FTES		0.1	0.2	0.9				0.2	1.4	0.2			-	0.6	0.6		- 2		0.3	-	V - 3	-			
		0.4	1.2	5.3				1.3						3.0			_	_	2.3						

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable inputs Variable inputs

Comments:

Estimate drawn from Boardman & Parsonage UK, 2007 and QLD profiles.

Team structure for 600 bed hospital. Note may operate as part of ACT.

Need to describe service parameters.

Validation B Kotze



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

EXHIBIT 233 DBK.500.002.0742

2.1.5 Service Category-Intensive Community Treatment Service

- 2.1.5.1 Service Element Intensive Community Treatment Team C and A 0 17 years
- 2.1.5.2 Service Element Intensive Community Treatment Team- Adult 18 64 years
- 2.1.5.3 Service Element Intensive Community Treatment Team Older Adult 65+ years

Attribute	Details								
Description	teams who provide ongoin and care, aimed at improv health needs requiring into	atment Services (ICTS) are doing recovery oriented assessmiring the quality of life for personance intervention in a comm	nent and assertive treatment ons with complex mental nunity or residential setting.						
	The key functions of Intensive Community Treatment Services are to:								
	 provide intensive, developmentally appropriate, specialist mental health interventions and ongoing assessment for those persons who require the higher intensity (level of contact, range of interventions/services) treatment, rehabilitation and support to recover from mental illness minimise the impact of mental illness on people, their family, friends, support people and carers, who are living in the community facilitate access to a broad range of clinical and non-clinical services to enable people to establish, re-establish or reclaim a meaningful life work with the person and their network to develop their sense of self efficacy, personal support systems and live independently to participate fully in their community. ensure engagement with primary care and other specialist service providers to enable access to early intervention and timely treatment. 								
	Age specific adult (18-64) Intensive Community Treatment Services are provided on an extended hours basis and delivered via mobile outreach. Child and Adolescent (0-17) and Older Persons (65+) Intensive Community Treatment Services are primarily provided in business hours and may be provided over extended hours to meet particular needs. All age services have an early intervention and prevention focus to assist people to manage crisis situations and reduce the need for inpatient care or the length of an inpatient stay. The approach places a strong emphasis on psycho education, vocational rehabilitation, and consultation, collaboration and coordination with other key services and health care providers.								
400	Services work with other key services to facilitate joint care planning and case management with general practitioners (GPs) and other health care providers. Services work to build partnerships and support the development and access to a comprehensive range of services and supports.								
Fundamental Attributes	Intensive Community Trea multidisciplinary teams in	atment (ICT) services are mol home and/or community setti s on recovery, rehabilitation a	ngs. The team treatment						
Service specification	s and suggested modellin	g attributes							
Target Age:	0-17years	18-64 years	65+ years						
Target Population Profile	Infants, children and adolescents up to the age of 18 years (who are experiencing psychological distress	Adults with serious and/or persistent mental illness or personality illnesses, that have a significant impact on their	Individuals over the age of 65 who have severe impairment and/or distress related to serious mental illness or mental illness.						

Version AUS V1 October 2013 TRIM Ref: H12/35030

123

EXHIBIT 233 DBK.500.002.0743

	support people and carers. They may present with a range of mental health problems and/or illnesses, but predominantly, they will have diagnoses such as depression, anxiety illnesses, adjustment illnesses, attachment illnesses, developmental illnesses and behavioural illnesses including complex attention deficit hyperactivity illness and conduct illness.	engaged with ICT services may have diagnoses such as schizophrenia, psychosis, severe personality illness and affective illnesses complicated by co morbidities including substance misuse and personality illnesses.	psychotic illness. Older people accessing ICT services may commonly present with associated significant levels of disturbance and psychosocial disability due to their illness and/or exacerbation of underlying personality traits, drug and alcohol problems and physical health care needs; or serious mental illness complicated by functional problems associated with ageing; or severe mental illness and complications of behavioural and psychological symptoms associated with dementia (BPSD) or other agerelated illnesses.								
Hours of Operation	Extended Hours	Extended Hours	Business Hours								
Workforce	Multidisciplinary	Multidisciplinary	Multidisciplinary								
	As per Staffing Profile	As per Staffing Profile	As per Staffing Profile emphasis on physiotherapy and occupational therapy								
Evidence Base											
Level of Evidence:	1	<u> </u>									
Key Reference Source:	Care Team and Mobil Older Persons Comm Director Mental Health Framework of recover http://docs.health.vic.g 6/\$FILE/framework-re Mobile Support and Thttp://docs.health.vic.g 3/\$FILE/aged_mh_ict	Queensland Public Mental Health Services Models of Service—Community Care Team and Mobile Intensive Rehabilitation Team Child and Youth MHS, Older Persons Community Models of Service 2011(Endorsed Executive Director Mental Health, Queensland 02/07/2010) The Community Models of Service 2011(Endorsed Executive Director Mental Health, Queensland 02/07/2010) The Community Models of Service—Community Mental Health, Queensland 02/07/2010)									
AFT IM	Marina Nasso, Paul S Burrows ¹ Assertive co effectiveness Article fi	 Adaobi Udechuku James Olver Karen Hallam, Frances Blyth, Melissa Leslie, Marina Nasso, Paul Schlesinger, Lorraine Warren, Miles Turner, Graham Burrows¹ Assertive community treatment of the mentally ill: service model and effectiveness Article first published online: Australasian Psychiatry 11 JUN 2005 									
Limitations of Evidence:	Nil										
Recommendations for future research:	N/A										

Service Element – Intensive Community Treatment Team – C and A - Staffing Profile

Intensive C	Community Treatment Tea	m - C&A 0 - 1	17 years					Intensive C	ommunity Tr	eatment Ser	vice Youth (Team modelled for approx 250K people @ 14/10	00k)
SCHEME	STAFF CATEGORY	FTE	Other time %	Gross available daily hours (wkly/7)	Net consumer service available daily delivery hours	Net consumer service annual delivery hours	Available hours per annum per FTE	Weighted average salary **	Cost	FTE % share	Over heads		
NMHSPF	TOTAL	33.58		218.54	104.59	38,174	1,137	94,017	3,157,502	100%	23%	Information from Care Package	
NMHSPF	Vocationally Qualified	3.00	0.33	14.11	9.46	3,452	1,149	47,107	141,473	9%	23%	Hours Per Annum for an individual	2
NMSPF	Peer Worker	1.59	0.33	7.47	5.01	1,827	1,149	58,831	93,526	5%	23%	Total Target Population for care pa	2,2
NMHSPE	Tertiary Qualified	24.38	0.33	112.23	75.19	27,445	1,126	90,922	2,217,101	73%	23%	Total Hours Reg per Annum	495,0
NMHSPF	Medical	4.61	0.33	22.29	14.93	5,450	1,183	153,121	705,403	14%	23%		

Information from Care Package	
Hours Per Annum for an individual	220
Total Target Population for care pa	2,250
Total Hours Req per Annum	495,000

NMHR	TOTAL	Total FTE (Includes Leave)	Other time %	Hours available/ 7 days	Consumer service delivery hours daily	Consumer Service delivery hours annual	Available hours/ann um/FTE	Salary **	Cost		0.23
NMHR	Total Medical	4.61		22.29	14.93	5,450	1,183	335	\$705,403	14%	23%
NMHR	Psychiatrist	1.54	33%	7.43	4.98	1,817	1,183	\$200,564	\$307,989	5%	23%
NMHR	Registrar	3.07	33%	14.86	9.95	3,633	1,183	\$129,399	\$397,414	9%	23%
NMHR	Junior Medical Officer	1.6	33%	- 1	19	-		\$161,745	\$0	0%	23%
NMHR	Other Medical Specialis		33%		1,21		- 2	\$200,564	\$0	0%	23%
NMHR	Total Nursing	6.83		29.71	19.91	7,267	1,064		\$604,872	20%	23%
NMHR	Registered Nurse	5.56	33%	24.00	16.08	5,869	1,057	\$81,560	\$453,082	17%	23%
NMHR	Nurse Practitioner	1.27	33%	5.71	3.83	1,397	1,098	\$119,310	\$151,791	4%	23%
NMHR	Enrolled Nurse	-	33%				-	\$59,218	50	0%	23%
NMHR	Total Allied Health	17.56		82.51	55.28	20,179	1,149	100	\$1,612,229	52%	23%
NMHR	Psychologist	5.08	33%	23.89	16.00	5,841	1,149	\$95,532	\$485,523	15%	23%
NMHR	Social Worker	5.08	33%	23.89	16.00	5,841	1,149	\$95,532	\$485,523	15%	23%
NMHR	Occupational Therapist	5.08	33%	23.89	16.00	5,841	1,149	\$95,532	\$485,523	15%	23%
NMHR	Other TO, (eg pharmacis	2.31	33%	10.86	7.27	2,655	1,149	\$67,381	\$155,660	7%	23%
NMHR	VQ and Peer Workers	4.59		21.59	14.46	5,279	1,149		\$234,998	14%	23%
NMHR	Consumer Peer Worker	0.92	33%	4.34	2.91	1,062	1,149	\$58,831	\$54,363	3%	23%
NMHR	Carer Peer Worker	0.67	33%	3.13	2.10	765	1,149	\$58,831	\$39,163	2%	23%
NMHR	VQMH Worker	2.31	33%	10.86	7.27	2,655	1,149	\$45,724	\$105,630	7%	23%
NMHR	VQ Other	0.69	33%	3.26	2.18	797	1,149	\$51,717	\$35,842	2%	23%

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NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	70,669	59.74		59,146,855
NMHR.	Psychiatrist	23,556	19.91	\$200,564	\$3,993,650
NMHR.	Registrar	47,113	39.82	\$129,399	\$5,153,205
NMHR	Junior Medical Officer	- 6		\$161,745	\$0
NMHR	Other Specialist	3-1	-	\$200,564	\$0
NMHR	Total Nursing	94,225	88.53		\$7,843,292
NMHR	Registered Nurse	76,105	72.03	\$81,560	\$5,875,045
NMHR.	Nurse Practitioner	18,120	16.50	\$119,310	\$1,968,248
NMHR.	Enrolled Nurse	1		\$59,218	50
NMHR	Total Allied Health	261,656	227.66		\$20,905,536
NMHR	Psychologists	75,743	65.90	\$95,532	\$6,295,705
NMHR	Social Workers	75,743	65.90	\$95,532	\$6,295,705
NMHR:	Occupational Therapist	75,743	65.90	\$95,532	\$6,295,705
NMHR:	Other	34,428	29.96	\$67,381	\$2,018,421
NMHR	VQ and Peer Workers	68,449	59.56	- 700	\$3,047,189
NMHR	Consumer Peer Worker	13,771	11.98	\$58,831	\$704,917
NMHR	Carer Peer Worker	9,921	8.63	\$58,831	\$507,818
NMHR	VQMH Worker	34,428	29,96	\$45,724	\$1,369,690
NMHR	VQ Other	10,329	8.99	\$51,717	\$464,764

Total Available Hours Annual Cost Salaries

\$3,157,502 \$3,867,940 * Including Overheads 22.5%

Total FTE 435.48 FTE/Client 0.19 Case load,..clients/FTE **Annual Cost Salaries** ******** *********

* Including Overheads 22.5%

Version AUS V1 October 2013 TRIM Ref: H12/35030

125

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					Nur	sing	-					Medical				A	llied Healt	h		Peer Work			Vocat Qu	al	AQMI
D	escription	Director	CNC/NUM/NE	CN	RN	Errolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health Total	Consumer Peer Worker	Carer peer Worker	VO MH Worker	VQ Other	VQ Total	All Tota
																								Hours	Hours
Base Weekly		38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked	Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs		
Monday	Day	8	8	8	8	8	8	8	48	12	16			28	22.8	22.8	22.8	15.2	83.6	4.3	3.1			15.0	
	Evening	-	****	******			******	******		********	******	*****		-	7.8	7.6	7.6		22.8		*******	7.6	7.6	15.2	GEORGEOGRA
	Night.	÷											1	9					-					0-	
Tuesday	Day		8	8		8	8	8	40	8	24			32		22.8	22.8	15.2		4.4	3.1	1000		15.1	- 1
	Evening								~		*****			**********	7.6	7.6	7.6		22.8			7,6		7.6	
	Night									, ,				\sim		-								~	
Wednesday	Day		8	8	- 8	8	8	8	40	12	16			28	22.8	22.8	22.8	15.2	7000	4.3	3.2		7.6	22.7	- 1
	Evening			******		*****	****	*****	-	*******	*****	****		-	7.8	7.6	7,6		22.8		******	7.6		7.6	
	Night								(7)					-					-					~	
Thursday	Day		8	8		8	8	8	40	8	24			32		22.8	22.8	15.2	-	4.4	3.1			15.1	1
	Evening										********				7.6	7.6	7.6		22.8			7.6		7.6	
	Night	-							-					-										8.	1
Friday	Day		8	8	8	8	8	8	40	12	24			36	22.8	22.8	22.8	15.2	700	4.3	3.2		7.6	22.7	1
	Evening	+1							100					-	7.6	7.6	7.6		22.8			7.6		7.5	
	Night	71							8					-					1.5					8	
Saturday	All shifts	- 1	-			1	1		× .	1				-	7.6		7.6		22.8	4.4		_		7.5	1.0
Sunday	Al shifts	-				-			× .	//					7.8	7.6	7,6		23	4.3				. 7	
Total H	lours per week	8	40	40	40	0 -	40	40	208	52	104	-	3-01	156	167.2	167.2	167.2	76.0	578	30.4	21.9	76.0	22.8	151.1	1,0
Annual & Oth	er Leave Relief week	8	8	.9		9 9	9 16	9	9	8	8		8		7	7	7	7	1	7	7	7.	7		
On Call Episo	odes (weighted)																								
Public Holiday	ys Worked	0	0	11	1	11	11	11			- (1	1	11			De 0236 003					23,032,031				
Productive W	eeks per FTE	44.14	44.14	43.14	43.1	43.14	36.14	43.14		44.14	44.14	44.14	44,14		45,14	45.14	45.14	45.14		45.14	45.14	45.14	45.14		
Day Shift Hou	rs (Mon-Fri)	8	40	40	'40	0 -	40	40	208	52	104			156	114	114	114	76	418	22	16	38	15	91	8
Evening Hour	s (Mon-Fri)						-			1	1		70000000		38	38	38		114	1100 mm V		.38	8	48	3.77
Night Hours	(Mon-Fri)			_			-			***************	×	-	-	-	-		-	-			-		-		
Saturday Hou	rs		0.0000.004-00	000	li mangeo	1.000250							24.11.01.12.1		8	8	8	1.0002-04	23	4	3			8	
Sunday Hours			-	-	-		-	-	-		~	-	-	-	8	8	8	-	23	4	3	-	1	7	***************************************
Total Hours	-	8	40	40	40	0 -	40	40	208	52	104	-	1	156	167	167	167	76	578	30	22	76	23	151	1,0
Veekly FTE:		0.2	1.1	1.1	1.1	1 -	1.1	1.1	5.5	1.3	2.6			3,9	4.4	4.4	4.4	2.0	15.2	8.0	0.6	2.0	0.6	4.0	2
Rollel FTE:		0.0	0.2	0.2	0.2	2 -	0.5	0.2		0.2	0.5			0.7		0.7	0.7	0.3		0.1	0.1	0.3	0.1	0,6	
		0.2		1.3			-	-	6.8													-			33

*Overheads is an estimate of costs associated with other services include corporate overheads, security services, cleaning other non-labour costs including communicatio, transport, utilities and maintenace etc. It is expressed as a proportion of labour costs.

** Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs

Variable Inputs Comments:

Drawn from QLD, NSW and Victorian models Validated B Kotze

Check Med time across hosp and comm
Consumer Peer Workers modelled at a ratio of
2.5% (1:40) of the ambulatory based on a ratio
of 1FTE peer work per 100K to an overall
ambulatory rate of 40FTE per 100K population.
Carer Peer work is modelled at 1.8% (0.75:40)
of the ambulatory workforce.



Service Element – Intensive Community Treatment Team- Adult -Staffing Profile

Intensive C	Community Treatment Tear					Intensive Co	ommunity Tree	atment Servi	ice Adult (Team	modelled for approx 250K people 20.5/100k)		
SCHEME	STAFF CATEGORY	FTE	Other time %	Gross available daily hours (wkly/7)	Net consumer service available daily delivery hours	Net consumer service annual delivery hours	Available hours per annum per FTE	Weighted average salary **	Cost	FTE % share	Over heads	
NMHSPF	TOTAL	52.82		338.56	162.03	59,139	1,120	96,943	5,120,045	100%	23%	Information from Care Package
NMHSPF	Vocationally Qualified	3.47	0.33	16.29	10.91	3,983	1,149	47,722	165,367	7%	23%	Hours Per Annum for an individual
NMSPF	Peer Worker	2.52	0.33	11.83	7.93	2,893	1,149	58,831	148,068	5%	23%	Total Target Population for care par
NMHSPF	Tertiary Qualified	42.11	0.33	190.86	127.87	46,674	1,108	96,289	4,054,525	80%	23%	Total Hours Req per Annum
NMHSPE	Medical	4.72	0.33	22.86	15.31	5.590	1.183	159 173	752 085	9%	23%	and the second s

NMHR	TOTAL	Total FTE (Includes Leave)	Other time %	Hours available/ 7 days	Consumer service delivery hours daily	Consumer Service delivery hours annual	Available hours/ann um/FTE	Salary **	Cost		0.23
NMHR	Total Medical	4.72		22.86	15.31	5,590	1,183	150.00	\$752,085	9%	23%
NMHR	Psychiatrist	1.65	33%	8.00	5.36	1,956	1,183	\$200,564	\$331,681	3%	23%
NMHR	Registrar	3.07	33%	14.86	9.95	3,633	1,183	\$136,885	\$420,405	6%	23%
NMHR	Junior Medical Officer	- 4	33%		-	16"	1.3	\$161,745	\$0	0%	23%
NMHR	Other Medical Specialis		33%	-	- 4		- 4	\$200,564	\$0	0%	23%
NMHR	Total Nursing	21.92		96.00	64.32	23,477	1,071		\$2,083,620	42%	23%
NMHR	Registered Nurse	20.65	33%	90.29	60.49	22,079	1,069	\$92,550	\$1,911,376	39%	23%
NMHR	Nurse Practitioner	1.27	33%	5.71	3.83	1,397	1,098	\$135,388	\$172,245	2%	23%
NMHR	Enrolled Nurse	- 2	33%	- 4	2	1.5	- 4	\$67,197	\$0	0%	23%
NMHR	Total Allied Health	20.18		94.86	63.55	23,197	1,149	1000	\$1,970,905	38%	23%
NMHR	Psychologist	4.47	33%	21.03	14.09	5,143	1,149	\$101,058	\$452,174	8%	23%
NMHR	Social Worker	6.01	33%	28.23	18.91	6,903	1,149	\$101,058	\$606,995	11%	23%
NMHR	Occupational Therapist	7.39	33%	34.74	23.28	8,496	1,149	\$101,058	\$747,071	14%	23%
NMHR	Other TQ (eg pharmacis	2.31	33%	10.86	7.27	2,655	1,149	\$71,279	\$164,665	4%	23%
NMHR	VQ and Peer Workers	5.98		28.11	18.84	6,875	1,149		\$313,435	11%	23%
NMHR	Consumer Peer Worker	1.45	33%	6.83	4.58	1,670	1,149	\$58,831	\$85,479	3%	23%
NMHR	Carer Peer Worker	1.06	33%	5.00	3.35	1,223	1,149	\$58,831	\$62,589	2%	23%
NMHR	VQMH Worker	2.31	33%	10.86	7.27	2,655	1,149	\$45,724	\$105,630	4%	23%
NMHR	VQ Other	1.16	33%	5.43	3.64	1,328	1,149	\$51,717	\$59,737	2%	23%

Annual Cost Salaries \$5,120,045 * Including Overheads 22.5% \$6,272,056

Hours Per Annum for an individual 220 Total Target Population for care par 2,250 Total Hours Req per Annum 495,000

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	46,786	39.55	100	\$6,295,017
NMHR	Psychiatrist	16,375	13.84	\$200,564	\$2,776,195
NMHR	Registrar	30,411	25.71	\$136,885	\$3,518,822
NMHR	Junior Medical Officer		- 8	\$161,745	\$0
NMHR	Other Specialist			\$200,564	\$0
NMHR	Total Nursing	196,503	183.51	1 777	\$17,440,082
NMHR	Registered Nurse	184,806	172.86	\$92,550	\$15,998,378
NMHR	Nurse Practitioner	11,697	10.65	\$135,388	51,441,703
NMHR	Enrolled Nurse			\$67,197	\$0
NMHR	Total Allied Health	194,164	168.94	the state of	\$16,496,643
NMHR	Psychologists	43,043	37.45	\$101,058	\$3,784,738
NMHR	Social Workers	57,781	50.27	\$101,058	\$5,080,599
NMHR	Occupational Therapists	71,115	61.88	\$101,058	\$6,253,045
NMHR	Other	22,224	19.34	\$71,279	\$1,378,261
NMHR	VQ and Peer Workers	57,547	50.07	7.7	\$2,623,478
NMHR	Consumer Peer Worker	13,977	12.16	\$58,831	\$715,464
NMHR	Carer Peer Worker	10,235	8.90	\$58,831	\$523,875
NMHR	VQMH Worker	22,224	19.34	\$45,724	\$884,133
NMHR	VQ Other	11,112	9.67	\$51,717	\$500,007

Total FTE 442.07 FTE/Client 0.20 Case load...clients/FTE **Annual Cost Salaries** \$42,855,220 \$52,497,645 * Including Overheads 22.5%

2319731

					- 22		23197.31																10.		Takes .
					Nu	rsing						Medical					Allied Health	1		Peer Worke			Vocat Qu	al	AQM
De	escription	Director	CNC/NUMNE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health Total	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VO Other	VO Total	Al
								- 3	Total				8	Total					Total					Hours	Hou
Base Weekly	Hours	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked	Work
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs	10000			Hrs	Hrs		1
Monday	Day	8	. 8	24	2/	1	8	8	80	8	2	0		28	22.8	22.8	38.0	15.0	98.8	6.8	5.0	0 7.6	7.8	27.0	
	Evening	~		24		3	8		40						7.6	7.6	7.6		22.8	1		7.6		7.6	
	Night	,																						8	
uesday	Day		8	24	2/	4	. 8	.8	72	12	1	6	1	28	22.8	38.0	38.0	15.3	114,0	6.8	5,0	.0 7.6	7.6	27.0	-
	Evening	+	1	24		3			40				1	(9.4	7.6	7.6	7.6		22.8	1		7.6		7.6	
	Night	-												7					-						
/ednesday	Day		В	24	24	1	8	8	72	8	1	6		24	22.8	22.8	38.0	15.3	98.8	6.9	5.0	0 7.6	7.6	27.1	1
	Evening	(24		3	8		40					7	7.6	7.6	7.6		22.8	f = 1		7.6	0	7.6	
	Night	£											4.0	1					-					A.4	
hursday	Day	8	8	24	2/	1	8	8	80	12	-1	6	Į į	28	2,8	38.0	38.0	15.3	94,0	6.8	5.0	.0 7,6	7.6	27.0	
	Evening	ì		24		3	8		40					ĺ	7.6	7.6	7.6		22.8			7.6		7.6	
	Night	1																	34						
nday	Day	*	8	24	2/	1	8	8	72	8	2	0		28	22.8	22.8	38.0	15.3	98.8	6.8	5,0	0 7.6	7.6	27.0	
	Evening	ì		24		3	8		40					-	7.6	7.6	7.6		22.8			7.6		7.6	
	Night	,												3					-1	i – E					
aturday	All shifts	-	~	24	- 16		8		48	- 4		8		12	7.6	7.6	7.6		22.8	6.9	5.0	ů .		11.9	
unday	All shifts.	+	1+1	24	- 16		8		48	4		8		12	7.6	7.6	7.6		23	6.8	5,0	0	(1	12	
Total H	fours per week	16	40	288	190	2 -	96	40	672	56	104	-	-	160	147.2	197.6	243.2	76.0	664	47.8	35.0	76.0	38.0	196.8	
nnual & Oth	ter Leave Relief week	8	8	9		9 9	16	9		8		8	8 8		7	7	7		7	7	7	7 7	7		
n Call Episo	odes (weighted)																								
ublic Holida	ys Worked	0	0	11	1	1 11	- 11	- 11	_		1	1 1	11									1		1	
roductive W	leeks per FTE.	44.14	44.14	43,14	43.1	43.14	36.14	43.14		44.14	44.1	4 44.1	44.14		45.14	45.14	45.14	45.14	4	45.14	45.14	4 45.14	45.14	i	
ay Shift Hou	urs (Mon-Fri)	16	40	120	120		40	40	376	48	88			136	94	144	190	76	504	34	25	5 38	38	135	
vening Hour	rs (Mon-Fri)	-	~	120	40		40		200			-			38	38	38	<u>1</u>	114			38		38	
ight Hours	(Man-Fri)	-									-		-				-1-			- 0		84	- 8		
aturday Hou	urs			24	16	9 =	. 8		48	4		3		12			8		23	- 7	- 5	5 - 4		12	
inday Houn	rs .		, A.	24	16	9 -	8	-	48	4		3		12		В	8		23	7	5	5	(a)	12	
otal Hours		16	40	288	192	2 -	96	40	672	56	104		-	160	147	198	243	76	664	48	35	76	38	197	1
eekly FTE's	8-	0.4	1.1	7.6	5.	1	2.5	1.1	17.7	1.4	2.6	3	-	4.0	3.9	5.2	6.4	2.0	17.5	1.3	0.9	2.0	1.0	5.2	
Renef FTE's		0.1	0.2	1.6	-43	=	-1.1	0.2	4.2	0.3	0.8	5		0.7	0.6	0.8	1.0	0.3	2.7	0.2	0.1	0.3	0.2	0.8	
	s	0.5	1.2				3.6	1.3	21.9	1.7	+						7.4		20.2		+	2.3		6.0	

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, cleaning other non-labour costs including communicatio, transport, utilities and maintenace etc. It is expressed as a proportion of labour costs.

Variable inputs

Variable Inputs

Comments:

Drawn from QLD, and Victorian models
Consumer Peer Workers modelled at a ratio of
2.5% (1:40) of the ambulatory based on a ratio
of 1FTE peer work per 100K to an overall
ambulatory rate of 40FTE per 100K population.
Carer Peer work is modelled at 1.8% (0.75:40)
of the ambulatory workforce.



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

Service Element - Intensive Community Treatment Team - Older Adult - Staffing Profile

Intensive C	ommunity Treatment Tea	m - Older Adı	ult 65+ years					Intensive Co	mmunity Trea	atment Servi	ice Older Per	sons (Team modelled for approx 250K people @ 4.5/1	100k)
SCHEME	STAFF CATEGORY	FTE	Other time	Gross available daily hours (wkly/7)	Net consumer service available daily delivery hours	Net consumer service annual delivery hours	Available hours per annum per FTE	Weighted average salary **	Cost	FTE% share	Over heads		
NMHSPF	TOTAL	12.76		82.82	39.64	14,467	1,134	101,531	1,295,195	100%	23%	Information from Care Package	
NMHSPF	Vocationally Qualified		0.33	30		- 5		1 5 5	-	0%	23%	Hours Per Annum for an individual	220
NMSPF	Peer Worker	0.61	0.33	2.87	1.92	702	1,149	54,844	33,508	5%	23%	Total Target Population for care par	2,250
NMHSPF	Tertiary Qualified	9.78	0.33	44.86	30.05	10,970	1,121	89,125	871,921	77%	23%	Total Hours Req per Annum 4	95,000
NMHSPF	Medical	2.36	0.33	11.43	7.66	2,795	1,183	164,982	389,766	19%	23%		

Information from Care Package	
Hours Per Annum for an individual	220
Total Target Population for care par	2,250
Total Hours Req per Annum	495,000

Total Medical

Other Specialist **Total Nursing**

Registered Nurse

Nurse Practitioner

Total Allied Health

Enrolled Nurse

Psychologists

Social Workers

Junior Medical Officer

Psychiatrist

Registrar

NMHR

NMHR

NMHR

NMHR.

NMHR.

NMHR.

NMHR

NMHR.

NMHR

NMHR.

NMHR

NMHR

NMHR.

NMHR.

Hours needed

(annual)

95,629

47,815

47,815

239,073

191,258

47,815

136,271

45,424

45,424

Annual FTE

40.42

40.42

216.18

172.64

118.57

39.52

39.52

39.52

20.91

11.96

8.94

43.53

Salary **

\$200,564

\$129,399

\$150,783

\$200,564

\$81,560

5119,310

\$59,218

\$89,058

\$89,058

\$89,058

\$62,815

554,844

\$54,844

\$42,626

\$51,717

Cost

\$13,336,271

\$8,106,294

\$5,229,977

519,274,489

\$14,080,806

\$5,193,683

\$10,559,233

\$3,519,744

\$3,519,744

\$3,519,744

\$1,146,515

\$655,966

\$490,549

50

NMHR	TOTAL	Total FTE (Includes Leave)	Other time %	Hours available/ 7 days	Consumer service delivery hours daily	Consumer Service delivery hours annual	Available hours/ann um/FTE	Salary **	Cost		0.23
NMHR	Total Medical	2.36		11.43	7.66	2,795	1,183		\$389,766	19%	23%
NMHR	Psychiatrist	1.18	33%	5.71	3.83	1,397	1,183	\$200,564	\$236,915	9%	23%
NMHR	Registrar	1.18	33%	5.71	3.83	1,397	1,183	\$129,399	\$152,851	9%	23%
NMHR	Junior Medical Officer	-9	33%	9	-		2	\$150,783	\$0	0%	23%
NMHR	Other Medical Specialist		33%	-		+		\$200,564	\$0	0%	23%
NMHR	Total Nursing	6.32		28.57	19.14	6,987	1,106		\$563,317	50%	23%
NMHR	Registered Nurse	5.05	33%	22.86	15.31	5,590	1,108	\$81,560	\$411,526	40%	23%
NMHR	Nurse Practitioner	1.27	33%	5.71	3.83	1,397	1,098	\$119,310	\$151,791	10%	23%
NMHR	Enrolled Nurse	-	33%		-			\$59,218	\$0	0%	23%
NMHR	Total Allied Health	3.47		16.29	10.91	3,983	1,149	200	\$308,604	27%	23%
NMHR	Psychologist	1.16	33%	5.43	3.64	1,328	1,149	\$89,058	\$102,868	9%	23%
NMHR	Social Worker	1.16	33%	5.43	3.64	1,328	1,149	\$89,058	\$102,868	9%	23%
NMHR	Occupational Therapist	1.16	33%	5.43	3.64	1,328	1,149	\$89,058	\$102,868	9%	23%
NMHR	Other TQ (eg pharmacis	2	33%	-	-	- 14	4.3	\$62,815	\$0	0%	23%
NMHR	VQ and Peer Workers	0.61		2.87	1.92	702	1,149		\$33,508	5%	23%
NMHR	Consumer Peer Worker	0.35	33%	1.64	1.10	402	1,149	554,844	\$19,171	3%	23%
NMHR	Carer Peer Worker	0.26	33%	1.23	0.82	300	1,149	\$54,844	514,337	2%	23%
NMHR	VQMH Worker	-	33%	12	- 6	14	631	\$42,626	\$0	0%	23%
NMHR	VQ Other	19	33%	-9-	4.0	-		551,717	\$0	0%	23%

Total Available Hours 14466.88

\$1,295,195 Annual Cost Salaries \$1,586,614 * Including Overheads 22.5%

Total FTE FTE/Client Case load..clients/FTE **Annual Cost Salaries** * Including Overheads 22.5% \$54,287,723

Occupational Therapists 45,424 NMHR. Other NMHR VQ and Peer Workers 24,027 NMHR Consumer Peer Worker 13,747 Carer Peer Worker NMHR 10,280 NMHR VOMH Worker NMHR VQ Other 436.48 0.19 5 \$44,316,509

3982 67

							3982.67										de Proposition						-		3 3 3 3 3 3
					Nur	sing	2 - 2					Medical					Allied Healt	h		Peer Worke	ers		Vocat Qu	al	AQ
Des	cription	Director	CNC/NUMNE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VO Other	vo	
									Total					Total					Total					Total Hours	
ise Weekly H	lours	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked	w
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs	1			Hrs	Hrs	4000	1 1 1 2
day	Day		12	12	8			. 8	40		3 8	3		16	7.6	7.6	7.	6	22.8	1.8	1.0	į.	1	2.8	
	Evening								7					-					-						
	Night								-					-					-						
eday	Day		12	-12	- 8		1	8	40	- 8	3	3		16	7.6	7.6	7.	8	22.8	3.4	2.			5.8	
	Evening	÷																						7.6	
	Night	÷			4				1					- 9,					-						1
dnesday	Day		12	12				.8	40		3 8	3		16	7.6	7.6	7.	5	22.8	1.6	1.3			2.9	1
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	Night.	140	73					-	-			_		~					-		-				
rsday	Day		12	12	8			- 8	40	- 8	8	3		16	7.6	7.6	7.	5	22.8	1.7	2.)		4.2	
	Evening	÷1.							-					-										-	
	Night	÷1	- 10	- 10					14					÷.					9.					- + t.4	-
ay	Day	-	12	12				(8)	40		8	3		16	7.6	7.6	7.		22.8	3.2	1.	2		4.4	- 1
	Evening Night																		-	¢			-		4
CASO	All shifts	-												-						<					-
nurday nday	All shifts								-									-						-	- H
-	urs per week	-	60	60	40	1 22		40	200	40	40	40		80	38.0	38.0	38.0	-	114	11.5	8.6	20		20.1	
Total Ho	uis per week		00	- 60	44			40	200	40	40			- 00	340	30.0	30.0		114	11.0	40			20,1	-
ual & Other	Leave Relief weeks	8	8	9	-	9 9	16	9			3 8	3	8 8		7	7	- 3	7	7	7	1	7	7		
Call Episode	es (weighted)																								
blic Holidays	Worked	0	0	11	1	11	- 11	- 11			111	1:	11												
ductive Wee	eks per FTE	44.14	44.14	43.14	43.1	4 43.14	36.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45,1	45.1	14	45.14	45.1	45.14	45.14		
war ar a																-			1						
Shift Hours		-	60			-	- 1	40			-	-		80	38	38	38		114	12		-	-	20	
ning Hours				-								-	()	-			-	-	-				-		- c
nt Hours (M				3.				31		- 3									3			~ ~			-
rday Hours		-			-					-				-											
day Hours			60	60	40		-	40	200	40	40	-		80	38	38	38		114	12				20	-
al Hours		-	60	60	40	-	-	40	200	40	40	_	-	80	38	38	36	-	114	12	9			20	
skly FTE's			1.6	1.6	1.3	1	-	1.1	5.3	1.0	1.0		-	2.0	1.0	1.0	1.0		3.0	0.3	0.2			0.5	
ief FTE's		-	0.3					0.2		-	1		-	0,4	0.2	-		_	0.5	0.0		_		0.1	
			1.9			_		1.3						2.4	1.2				3.5	0.3				0.6	

*Overheads is an estimate of costs associated with other services include corporate overheads, security services, cleaning other non-labour costs including communicatio, transport, utilities and maintenace etc. It is expressed as a proportion of labour costs.

Variable inputs Variable Inputs

Comments:

Drawn from Victorian models and Qld PMH models and St George OPMH, NSW. Validated R McKay. Consumer Peer Workers modelled at a ratio of 2.5% (1:40) of the ambulatory based on a ratio of 1FTE peer work per 100K to an overall ambulatory rate of 40FTE per 100K population. Carer Peer work is modelled at 1.8% (0.75:40) of the ambulatory workforce.



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowance:

2.1.6 Service Category - Day Program

2.1.6.1 Service Element - Day Program Team - C and A 0 - 17 years

2.1.6.2 Service Element - Day Program Team - Adult - 18 - 64 years

Attribute	Details								
Description	and/or an alternative to inpatient care. targeted to treat specific age grodevelopmental difficulties, or needs symptoms, eating disorders, functional professional health symptoms and to promas schooling, social functioning, symptograms aim to support the person to	ed as a part of an overall treatment strategy Day programs are usually time limited and pups, illnesses, symptoms or address (e.g. children and adolescents, anxiety problems) The goal is to reduce the severity note effective participation in the areas such om management and other life skills. Day to achieve their recovery goals utilising a n family, friends, support people and carers ial services)							
	Day Programs are usually integrated with both Mental Health Inpatient Units a Community Mental Health Services to enhance continuity in service provise provide a flexible range of intensive therapy, treatment and rehabilitation options maximise recovery within a therapeutic milieu.								
	The key functions of Day Programs are	fo:							
Fundamental Attributes	 It provides multidisciplinary and collaborative consultation, dia assessment, treatment and a range of evidence based intervince including recovery and discharge planning It provides alternatives to a hospital admission for people with seve complex mental health issues who need additional support or in outreach due to difficulties engaging in mainstream services. Arrange, coordinate and support access to a range of integrated servensure seamless service provision. Day programs are usually time limited; provide targeted treatment intervention the least restrictive environment possible while recognising the need for safethe minimum possible disruption to the family, friends, support people and called educational, social and community networks. Day programs for children and adolescents differ significantly from adult day 								
0	focus on the developmental context and involvement, integration with education papproach.	specific requirements for family programs and a multifaceted/multi modal							
Service specification	s and suggested modelling attributes								
Target Age:	0-17years	18-64 years							
Target Population Profile	Pre-school and school age children with complex needs and/or developmental illnesses. E.g. autism with speech and language illness, disruptive behavioural illnesses, Eating disorders. The aetiology of their symptoms may be rooted in sexual abuse, physical abuse, neglect, parental separation, chaotic family environments, inappropriate discipline and/or a genetic predisposition. They may also have a history of criminal activity, periods in "care", learning	Persons with severe and complex mental health issues such as emerging personality illness, eating disorder, chronic depression and extreme anxiety. Individuals with serious and/or persistent mental illness who may have diagnoses such as schizophrenia, psychosis, severe personality illness and affective illnesses complicated by co morbidities who experience social isolation and severe functional problems.							

	difficulties, emotional and behavioural difficulties, abuse, chronic physical illness / disability; sensory problems; parental mental illness or substance abuse; trauma or refugee status. Day programs aim to provide intensive treatment interventions with whole families aimed at improving parenting skills, promoting healthy child development, preventing placement and facilitating family stability.	
Frequency of activity	Sessions (may be up to 5 days a week)	Sessions (may be up to 5 days a week)
Hours of Operation	Usually Business Hours but increasing e	mphasis on flexibility
Workforce	As per Staffing Profile	
Evidence Base		
Level of Evidence:	2	0
Key Reference Sources :	 adolescent mental health service. Nicola Kennai http://ccp.sagepub.com/content/16/1 The Evidence Base to Guide Develor April 2009 National CAMHS Support http://www.nmhdu.org.uk/silo/files/thcamhs-apr-09.pdf Modified from Queensland Public Me Child and Adolescent Day Programs Review of the PDRSS Day Programs Residential Rehabilitation Services for Victoria, Department of Health, 20 	/21.abstract comment of Tier 4 CAMHS, Zarrina Kurtz, is Service, Department of Health. e-evidence-base-to-guide-dvt-of-tier-4- ental Health Services Models of Service is 2011 Adult Residential Rehabilitation and Youth for the Victorian Department of Health State
Limitations of Evidence:	Nil	
Recommendations for future research:		
RAFTINGON		

EXHIBIT 233

NMHSPF: Service Element and Activity Descriptions

Service Element – Day Program Team – C and A – Staffing Profile

5 Day	nro	gram
2 00	Pic	76 FUILL

Day Progra	ım Team - C&A 0 - 17 year:	5									
SCHEME	STAFF CATEGORY	FTE	Other time %	Gross available daily hours (wkly/7)	Net consumer service available daily delivery hours	Net consumer service annual delivery hours	Available hours per annum per FTE	Weighted average salary **	Cost	FTE% share	Over heads
NMHSPF	TOTAL	5.96		39.04	26.16	6,800.77	1,141	93,573	557,889	100%	23%
NMHSPF	Vocationally Qualified	-	0.33	9	-	7.75				0%	23%
NMSPF	Peer Worker	0.28	0.33	1.84	1.23	320.53	1,146	54,844	15,337	5%	23%
NMHSPF	Tertiary Qualified	4.74	0.33	30.80	20.64	5,365.36	1,133	83,845	397,211	79%	23%
NMHSPF	Medical	0.94	0.33	6.40	4.29	1,114.88	1,180	153,801	145,341	16%	23%

NMHR	TOTAL	Total FTE (Includes Leave)	Other time	Hours available/ 5 days	Consumer service delivery hours daily	Consumer Service delivery hours annual	Available hours/ann um/FTE	Salary **	Cost		0.23
NMHR	Total Medical	0.94		6.40	4.29	1,115	1,180	1000	\$145,341	16%	23%
NMHR	Psychiatrist	0.47	0.33	3.20	2.14	557	1,180	\$186,972	\$88,344	8%	23%
NMHR	Registrar	0.47	0.33	3.20	2.14	557	1,180	\$120,630	\$56,997	8%	23%
NMHR	Junior Medical Officer		0.33	- 8	-	-	-	\$150,783	50	0%	23%
NMHR	Other Medical Specialis	0-95	0.33	-030				\$186,972	\$0	0%	23%
NMHR	Total Nursing	1.27		8.00	5.36	1,394	1,095		\$103,763	21%	23%
NMHR	Registered Nurse	1.27	0.33	8.00	5.36	1,394	1,095	\$81,560	\$103,763	21%	23%
NMHR	Nurse Practitioner	2	0.33	-	-	-	-	\$119,310	\$0	0%	23%
NMHR	Enrolled Nurse	-	0.33	- 4	-		. 5 1	\$59,218	\$0	0%	23%
NMHR -	Total Allied Health	3.47		22.80	15.28	3,972	1,146	1 1 1 1	\$293,448	58%	23%
NMHR	Psychologist	1.16	0.33	7.60	5.09	1,324	1,146	\$89,058	\$102,868	19%	23%
NMHR	Social Worker	1.16	0.33	7.60	5.09	1,324	1,146	\$89,058	\$102,868	19%	23%
NMHR	Occupational Therapist	0.58	0.33	3.80	2.55	662	1,146	\$89,058	\$51,434	10%	23%
NMHR	Other TQ (eg pharmacis	0.58	0.33	3.80	2.55	662	1,146	\$62,815	\$36,278	10%	23%
NMHR	VQ and Peer Workers	0.28		1.84	1.23	321	1,146		\$15,337	5%	23%
NMHR	Consumer Peer Worker	0.15	0.33	0.98	0.66	171	1,146	\$54,844	\$8,169	2%	23%
NMHR	Carer Peer Worker	0.13	0.33	0.86	0.58	150	1,146	\$54,844	\$7,168	2%	23%
NMHR	VQMH Worker		0.33	160	-			\$42,626	50	0%	23%
NMHR	VQ Other		0.33	14-	- 2		3+54	\$51,717	50	0%	23%
	Total Available Hours					6800.77					

Annual Cost Salaries \$557,889
* Including Overheads 22.5% \$683,414

ORAFIII

Version AUS V1 October 2013 TRIM Ref: H12/35030 DBK.500.002.0752

Information from Care Package

Hours Per Annum for an individual 220
Total Target Population for care par 2,250

Total Direct Hrs Req per Annum 257,400 "Assumes efficiency for Day program

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	42,197	35.77	1.30.71	\$5,500,958
NMHR	Psychiatrist	21,098	17.88	\$186,972	\$3,343,692
NMHR	Registrar	21,098	17.88	\$120,630	\$2,157,266
NMHR	Junior Medical Officer	3		\$150,783	50
NMHR	Other Specialist			\$186,972	50
NMHR	Total Nursing	52,746	48.15	7000	\$3,927,292
NMHR	Registered Nurse	52,746	48.15	\$81,560	\$3,927,292
NMHR	Nurse Practitioner	1.51	3.1	\$119,310	50
NMHR	Enrolled Nurse			\$59,218	50
NMHR	Total Allied Health	150,326	131.15	f. may a fi	\$11,106,619
NMHR	Psychologists	50,109	43.72	\$89,058	\$3,893,421
NMHR	Social Workers	50,109	43.72	\$89,058	\$3,893,421
NMHR	Occupational Therapists	25,054	21.86	\$89,058	\$1,946,711
NMHR	Other	25,054	21.86	\$62,815	\$1,373,066
NMHR	VQ and Peer Workers	12,132	10.58		\$580,486
NMHR	Consumer Peer Worker	6,461	5.64	\$54,844	\$309,172
NMHR	Carer Peer Worker	5,670	4.95	\$54,844	\$271,314
NMHR	VQMH Worker	13	-	\$42,626	50
NMHR	VQ Other			\$51,717	50

 Total FTE
 225.66

 FTE/Client
 0.10

 Case load..clients/FTE
 10

 Annual Cost Salaries
 \$21,115,355

 * Including Overheads
 \$25,866,310

Model for Day program

Avg attendance 10 for 5 hours (25 hours per week per client)
5 hour supervised attendance per day
of these 2 hours Indiv
and 3 hours group (1 staff per 5 clients in group)
So the 10 clients require per day
50 direct client hrs including 20 indiv and 30 group hrs
converts to 26 direct staff hours per day.
or 2.6 hours direct time per client per day
0r prescribing a 5 hour day of day program costs
2.6 hours of direct staff time
so divide total requirred by 5/2.6.

							3971.76								-		Man Art and	_		D	-	-	W A .	-	1.5
		_			N	ursing						Medical		_			Allied Health	1		Peer Work			Voc Qual		AQI
De	escription	Director	CNC/NUMNE	CN	RN	Enrolled Nurse	Graduate Nurse Itaining	Nurse Prantitioner	Nursing Total	Psychiatrist	Registra	Jun Med Off	Other Specialist	Medical Total	Psychologist	Social Worker	Docupational Therapist	Other	Allied Health Total	Consumer Peer Worker	Carer poor Worker	VO MH Worker	VO Other	VQ Total	1
aso Wookly	Hours-	38	38	38	38	38	38	38	Worked	40	40	-40	40	Worked	38	36	38	38	Worked	38	38	38	38	Worked	We
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs		
nday	Day			8					8						7.6	7.6	7.6	3.6	26.6	0.7	0.8			1.5	5-
	Evening	-							- 7										-						
	Night	- 2							-					-					9					-2-0	1
osday	Day			8		4			8	8			4	9	7,6	7.8		3.8	19.0	1.4	1.0			2.4	
	Evening																		-						1
	Night								-					3.0					-					4.1	
odnosday	Day			8	1		11 11		9		8	3	1	9	7.6	7.8	3.8	3.8	22.8	0.7	0.8			1.5	1,
	Evening	(2)					1	1	-										91					-4-4	-
	Night								7					-					Η.						
unsday	Day			8						8				8	7.6	7.6		3.6	19.0	1.4	1.0			2.4	
	Evening	4							-					-					-						
	Night					4			08	V I									- 3					26.5	
tay	Day	- ×		8			1		- 8		8	i	A = 1	9	7.6	7.8	7.6	3.8	26.6	0.7	8.0			1.5	
	Evening		- 3																-					21	
	Night	-			1				1					-					~						
sturday	All shifts	-	+ 1			-			Y					-					F 8					-1	
nday	All shifts	~	10						1					-					-					-1-	C
Total H	ours per week	7 - 3%	341	40		*)	3+0	40	16	16	- 0+0		32	38.0	38.0	19.0	19,0	114	4.9	4.3	-	+1	9,2	
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n Call Episo	das (weighted)																					Y H			
ublic Holiday	rs Worked	0	Q		1	i di	11	11			11	i	11												
roductive W	ocks par FTE	44.14	44.14	43.14	43.1	43,14	36.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.14		45.14	45.14	45.14	45.14		
y Shift Hou	rs (Mon-Fri)	- ~		40	-	-	-		- 40	16	16			32	38	38	19	19	114	6	4	-		9	
oning Hour	s (Mon-Fri)	- ×			1.		1	~	-			-			-		1	ì			×	+	0		
ght Hours	Mon-Frii)	180			-		1	*		- 6.1		1				5-1	-		1	-	1	3.4	1	-	
turday Hou	rs.	- ×	3.5	- ×	-	× .	3-1	×		- ×	- 1	× .	11		-		-		-	7-1					
nday Hours		· ×			- 70		- 0-		-						-			-	-	-	*	+ \	/		
tal Hours			751	40					40	16	16			32	38	38	19	19	114	5	4	2 1		9	
akky FTE:		1	1	1/1	- 3	- v		~~	1,1	0.4	0.4			0.8	1.0	1.0	0.5	0,5	3.0	0.1	0,1	1 - 3	31	0.2	1
olid FIE's				0.2				- ×	0.2	0.1	0.1	× .	1	0.1	0.2	0.2	0.1	0.1	0.5	0.0	0.0		- 8	0.0	
nnual FTE's		A	20	1.3	42		42.1		1.3	0.5	0.5			0.9	1.2	1.2	0.6	0.6	3.5	0.1	0.1		- v.	0.3	

*Overheads is an estimate of costs associated with other services include corporate overheads, security services, cleaning other non-labour costs including communicatio, transport, utilities and maintenace etc. It is expressed as a proportion of labour costs.

** Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs Variable Inputs Comments: Drawn from NSW Shoalhaven/Rivendell services. Validated B kotze Daily Places available (5 days) 8 to 12 Occupancy 90% Avg hours of attendance/ week 20 Hrs of Operation Mon to Fri 8.30 to 5.00 After Hours Prog Hours/wk Includes educational services paid for by educ Day programs delivered during holidays ... but closed for 4 to 5 weeks. Consumer Peer Workers modelled at a ratio of 2.5% (1:40) of the ambulatory based on a ratio of 1FTE peer work per 100K to an overall ambulatory rate of 40FTE per 100K population. Carer Peer work is modelled at 1.8% (0.75:40) of the ambulatory workforce.

Service Element - Day Program Team - Adult - Staffing Profile

Version AUS V1 October 2013 TRIM Ref: H12/35030

EXHIBIT 233

NMHSPF: Service Element and Activity Descriptions

5 Day program

Day Progra	am Team - Adult - 18 - 64 y	ears									
SCHEME	STAFF CATEGORY	FTE	Other time	Gross available daily hours (wkly/7)	Net consumer service available daily delivery hours	Net consumer service annual delivery hours	Available hours per annum per FTE	Weighted average salary **	Cost	FTE% share	Over heads
NMHSPF	TOTAL	5.93		38.86	26.04	6,769.41	1,141	93,751	556,389	100%	239
NMHSPF	Vocationally Qualified		0.33			-	-		311	0%	23%
NMSPF	Peer Worker	0.25	0.33	1.66	1.11	289.17	1,146	54,844	13,837	4%	23%
NMHSPF	Tertiary Qualified	4.74	0.33	30.80	20.64	5,365.36	1,133	83,845	397,211	80%	23%
NMHSPF	Medical	0.94	0.33	6.40	4.29	1,114.88	1,180	153,801	145,341	16%	23%

NMHR	TOTAL	Total FTE (Includes Leave)	Other time	Hours available/ 5 days	Consumer service delivery hours daily	Consumer Service delivery hours annual	Available hours/ann um/FTE	Salary **	Cost		0.23
NMHR	Total Medical	0.94		6.40	4.29	1,115	1,180		\$145,341	16%	23%
NMHR	Psychiatrist	0.47	0.33	3.20	2,14	557	1,180	\$186,972	588,344	8%	23%
NMHR	Registrar	0.47	0.33	3.20	2.14	557	1,180	\$120,630	\$56,997	8%	23%
NMHR	Junior Medical Officer	9	0.33	19	-	12	-	\$150,783	\$0	0%	23%
NMHR	Other Medical Specialist		0.33	-	-	+		\$186,972	\$0	0%	23%
NMHR	Total Nursing	1.27		8.00	5.36	1,394	1,095		\$103,763	21%	23%
NMHR	Registered Nurse	1.27	0.33	8.00	5.36	1,394	1,095	\$81,560	5103,763	21%	23%
NMHR	Nurse Practitioner	2	0.33	4	-	2	100	\$119,310	\$0	0%	23%
NMHR	Enrolled Nurse		0.33	4			- 3	\$59,218	\$0	0%	23%
NMHR	Total Allied Health	3.47		22.80	15.28	3,972	1,146		\$293,448	58%	23%
NMHR	Psychologist	1.16	0.33	7.60	5.09	1,324	1,146	\$89,058	\$102,868	19%	23%
NMHR	Social Worker	1.16	0.33	7.60	5.09	1,324	1,146	\$89,058	\$102,868	19%	23%
NMHR	Occupational Therapist	0.58	0.33	3.80	2.55	662	1,146	\$89,058	\$51,434	10%	23%
NMHR	Other TQ (eg pharmacis	0.58	0.33	3.80	2.55	662	1,146	\$62,815	\$36,278	10%	23%
NMHR	VQ and Peer Workers	0.25		1.66	1.11	289	1,146		\$13,837	4%	23%
NMHR	Consumer Peer Worker	0.15	0.33	1.00	0.67	174	1,146	\$54,844	\$8,335	3%	23%
NMHR	Carer Peer Worker	0.10	0.33	0.66	0.44	115	1,146	\$54,844	\$5,501	2%	23%
NMHR	VQMH Worker	1	0.33	- 7	-	9	331	\$42,626	\$0	0%	23%
NMHR	VQ Other		0.33	- 7		-		\$51,717	. \$0	0%	23%
7	Total Available Hours	TOTAL T				6769.41					

Total Available Hours Annual Cost Salaries

* Including Overheads 22.5% \$681,576

Version AUS V1 October 2013 TRIM Ref: H12/35030 135 DBK.500.002.0754

Hours Per Annum for an individual Total Target Population for care par 2,250

Total Direct Hrs Req per Annum 257,400 *Assumes efficiency for Day program

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	42,392	35.93	70.00	\$5,526,439
NMHR	Psychiatrist	21,196	17.97	\$186,972	\$3,359,180
NMHR	Registrar	21,196	17.97	5120,630	\$2,167,259
NMHR	Junior Medical Officer	-	7	\$150,783	50
NMHR	Other Specialist		-22	\$186,972	\$0
NMHR	Total Nursing	52,990	48.38		\$3,945,483
NMHR	Registered Nurse	52,990	48.38	\$81,560	\$3,945,483
NMHR:	Nurse Practitioner		1.0	5119,310	50
NMHR	Enrolled Nurse			\$59,218	50
NMHR	Total Allied Health	151,022	131.76		\$11,158,065
NMHR	Psychologists	50,341	43.92	\$89,058	\$3,911,455
NMHR	Social Workers	50,341	43.92	\$89,058	\$3,911,455
NMHR	Occupational Therapists	25,170	21.96	\$89,058	\$1,955,728
NMHR	Other	25,170	21.96	\$62,815	\$1,379,426
NMHR	VQ and Peer Workers	10,995	9.59	-	\$526,125
NMHR	Consumer Peer Worker	6,624	5.78	\$54,844	5316,943
NMHR	Carer Peer Worker	4,372	3.81	\$54,844	\$209,182
NMHR	VQMH Worker		1	\$42,626	\$0
NMHR	VQ Other			\$51,717	\$0

Total FTE 225.66 FTE/Client 0.10 Case load..clients/FTE 10 521,156,112 **Annual Cost Salaries** \$25,916,237 * Including Overheads 22.5%

Model for Day program

Avg attendance 10 for 5 hours (25 hours per week per client) 5 hour supervised attendance per day of these 2 hours Indiv and 3 hours group (1 staff per 5 clients in group) So the 10 clients require per day 50 direct client hrs including 20 indiv and 30 group hrs converts to 26 direct staff hours per day. or 2.6 hours direct time per client per day Or prescribing a 5 hour day of day program costs 2.6hours of direct staff time so divide total requirred by 5/2.6.

							3971.76															_			12.00
					Nu	ursing						Medical					Allied Health	n		Peer Worke	rs		Voc Qual		AQMH
De	scription	Director	CNC/NUM/NE	CN	FIN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiatrisa	Registrar	Jun Med Off	Other Specialist	Medical	Psychologisa	Social Worker	Occupational Therapist	Other	Allied Health	Consumer Peer Worker	Carer peer Worker	VO MHW orker	VO Other	Va	All
									Total					Total					Total	Ų.				Total	Total
			1						100										1000	9				Hours	Hours
Base Weekly		38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked	Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs 7.6	Hrs 7.6	Hrs 7.6	Hrs 3.1	8 26.6	1.0	0.7	Hrs	Hrs	1.7	
Monday	Day Evening						-								7.0	7.0	7.0	3.0	26.6	1.0	0.7			1.7	
	Night.						*																	- 41	
[uesday	Day			8					8	8				8	7.6	7.6		3.0	8 19.0	1.0	0.6			1.6	
	Evening													5.7					1					8.7	
	Night.	_					-							0.4						4					
Wednesday	Day			.8			7		8		1	3	0	8	7.6	7.6	3.8	3.8	8 22.8	1.0	0.7			17	
	Evening	8							-				<u> </u>												
	Night	-)						0 ====	-						U					
Thursday	Day			8					. 8	8				8	7.6	7.6		3.8	19,0	1.0	0.6			1,6	
	Evening													~										~	
	Night								-1					- ×										~	
Friday	Day			.8			-		8		- 1			- 8	7.6	7.6	7.6	3.1		1.0	0.7			1.7	-
	Evening	×					-		- 1				4	×							_	-			
Park indicate in	Night All shifts	- 0																						-	
Saturday Sunday	All shifts	- 0																4							
	ours per week	100	1 14 1	40	-			740	40	16	16			32	38.0	38.0	19.0	19.0	1	5.0	3.3	- 2		8.3	3
101011	ours per meen			75					-							55.5		1,5.0	1.7					5.0	
Annual & Othe	er Leave Relief weeks		8	9		9 9	16	9		8	1.1	3	8 8		7	7	7		7	7	7	7	7		
	des (weighted)																								
Public Holiday		(0		1	1	- 11				- 1		1 11												
Productive We	eeks per FTE	44.14	44.14	43.14	43.1	43.14	36.14	43.14		44.14	44.14	44.1	44.14		45.14	45.14	45.14	45.1	4	45.14	45.14	45.14	45.14		
Day Shift Hou	rs (Mon-Fri)			40		-		-	40	16	16	-		32	38	38	19	19	114	5	3		-	8	- 1
Evening Hours				A								-								2					
Night Hours (-	-	-	-	-			-	-	_	-		-		5-	-	-	Y =	-	**	-		
Saturday Hou	rs		-1-	0	1-	- 0	2-	Ö	-1	0	1.0		1	8	1-	9	~ 1	-1	8.1) - 41	-1	0	1-	F = 47 f	
Sunday Hours	10	· · · · · · · · · ·			1-		1-	- ×	-1	×	1-			- 8	2	× +		-1		. 4	-1-		1-		
Total Hours				- 40	-		-		40	16	.16	,	-	32	38	38	19	19	114	5	3			- 8	
Weekly FTE's		-		1.1					1.1	0.4	0.4			0,8	1.0	1.0	0.5	0.5	3.0	0.1	0.1	_		0.2	-
Helief FTE's		1 - 0	1	0.2		-		-	0.2	-		-		0,1					1				-	0.0	
			-	1.3		-			1.3					0.9		710	0.6		3.5					0.3	

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, cleaning other non-labour costs including communicatio, transport, utilities and maintenace etc. It is expressed as a proportion of labour costs.

Variable inputs

Variable Inputs

Comments:

Consumer Peer Workers modelled at a ratio of 2.5% (1:40) of the ambulatory based on a ratio of 1FTE peer work per 100K to an overall ambulatory rate of 40FTE per 100K population. Carer Peer work is modelled at 1.8% (0.75:40) of the ambulatory workforce.



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowance:

2.1.7 Service Category – Monitoring and Ongoing Management

Monitoring and ongoing management involves the ongoing systematic collection, analysis, interpretation of information for the ongoing management of a person's health status and/or ongoing need for specialist mental health services. This is performed by specialist trained mental health professionals. (E.g. psychiatrists, psychologists, mental health nurses and/or allied health professionals) Monitoring involves the collection and evaluation of data obtained through interview and observation, including taking a comprehensive history and exploration of presenting problem(s). Monitoring and ongoing assessment will include consultation with the person's family and concludes with a formulation of problems/issues, a preliminary diagnosis or diagnosis, and an updated treatment plan supported by the assessment and interview data.

2.1.7.1 Service Element - Centre Based Monitoring and Ongoing Management

The nature of the centre based support will depend on the person's needs. Services provided by clinicians will include:

- Mental health status monitoring;
- Risk assessment:
- o Risk management plan;
- o Physical health review;
- Family, friends, support people and carers needs assessment;
- Social and environmental assessment;
- o Individualised Care Plan and Review.

2.1.7.2 Service Element - Home Based Monitoring and Ongoing Management

The nature of the home/outreach will depend on the person's needs. Services provided by clinicians will include:

- Mental health status monitoring;
- o Risk assessment;
- Risk management plan;
- Physical health review;
- o Family, friends, support people and carers other needs assessment;
- Social and environmental assessment;
- Individualised Care Plan and Review.

2.1.7.3 Service Element - General Physical Health Monitoring and Ongoing Management

Monitoring required as part of good mental health treatment, including metabolic screening (Body Mass Index (BMI), waist circumference, weight, BP, blood tests etc.) and screening to comply with treatment guidelines (e.g. mandatory monitoring criteria - clozapine). The assessment will be tailored and developmentally appropriate to the age of the person.

EXHIBIT 233 DBK.500.002.0757

2.1.8 Service Category - Care Coordination and Liaison

2.1.8.1 Service Element - Care Coordination and Liaison

Care coordination and liaison includes working in partnership and liaison with primary care providers, acute health and emergency services, rehabilitation and support services, family, friends, support people and ROTATION carers and other agencies that occur outside of the clinical encounter. Care Coordination and Liaison includes:

- Person centred interagency planning meeting (Case Conferences)
- Liaison and/or consultation with family, friends, support people and carers
- Liaison with other services/agencies including schools verbal and written
- Transition Planning / Handover / Referral / Discharge Planning
- Multi-Disciplinary Team Reviews
- Medical records if outside of the clinical encounter.

For some people, an effective treatment plan includes coordinating services rather than the coordination of care of people at the individual level.

Care co-ordination and liaison is considered at two levels. The care coordination and liaison work undertaken as core business to effectively manage planning and service delivery is measured as part of the core hours assigned to particular clinical and non-clinical service providers and teams. Additional hours for care coordination and liaison are only identified where it is believed that the level of complexity is such that additional effort is required to supplement the coordination and liaison effort which would ordinarily be able to be provided as part of standard practice.

Average timeframe per activity (if applicable)

Average minimum time of 15 minutes Average time:

- Preparation of report 60minutes
- Tribunal attendance 30 minutes

Forensic report writing - excluded

Description Source: Modified from Australian Institute of Health and Welfare 2012. Development of a Prototype Australian Mental Health Intervention Classification 2013 Canberra (see Text Box excerpt).

Service coordination interventions

For some consumers, the progression of an effective treatment plan includes interventions involving consultation with others, for example, case conferencing, liaison with other professionals, and secondary consultations. It is planned that this category will also include those consultative processes involving the new 'care facilitator' role which was specified in the national mental health reform budget statement. MHIC code 8011.xx

Definition

This involves consultation with others, for example, case conferencing, liaison with other professionals, and secondary consultations. This category will also include those consultative processes involving the new care facilitator role which was specified in the national mental health reform budget statement.

The following components:

- Case conferencing (MHIC code 8011.01)
- Liaison with other professionals (MHIC code 8011.02)
- Secondary consultations (MHIC code 8011.03)
- Service coordination for consumers with severe, persistent mental illness and complex care needs involving care facilitator (MHIC code 8011.04)
- Other service coordination (MHIC code 8011.05).

Version AUS V1 October 2013 TRIM Ref: H12/35030

138

2.1.8.2 Service Element- Medico Legal Coordination and Liaison

Medico-Legal Activity related to the Mental Health Act

Used to record ALL activities related to the administration of the Mental Health Act (the Act) - specific to each State - including the enactment or enforcement of the Act, or any other activity associated with the Act. All Mental Health Act related activities undertaken should be recorded under this code rather than using a more specific code.

Other Medico-Legal Activity Not related to the Mental Health Act

Any activity associated with a legal act (excluding the Mental Health Act) pertaining to a person, including the enactment or enforcement of the Act, or any other activity associated with the Act.

Medico-legal activity may include*:

- Applications from the person with mental illness
- Applications from third parties (i.e. solicitors, teachers, family members)
- Court related requests (i.e. subpoenas, summons)
- Police Service requests (statements, search warrants, coronial investigations)
- Child Safety requests for reports and documents
- Other Third Parties (Insurance companies, non-party to the proceedings)
- Other Health Professionals (GP's, private agencies or professionals, and requests that are not PRAFT IN CONFIDENCE. NOT FOR required for the ongoing care or treatment of the person)

Version AUS V1 October 2013 TRIM Ref: H12/35030

2.1.9 Service Category – Structured Psychological Therapies

Attribute	Details
Description	Those interventions which include a structured interaction between a participant and a qualified mental health professional(s) using a recognised, psychological method, for example, cognitive behavioural techniques, family therapy or psycho education counselling. These are recognised, structured or published techniques for the treatment of mental and emotional illnesses. Structured psychological interventions are designed to alleviate psychological distress or emotional disturbance, change maladaptive behaviour and foster mental health. The interventions embrace the following three approaches: Psychosocial therapy, Education and/or Counselling. Structured psychological therapies can be delivered on either an individual or group basis, typically in an office or community setting. Structured Psychological Therapies include but are not limited to: Cognitive Behaviour Therapy Dialectical Behaviour therapy (DBT). Acceptance and Commitment Therapy (ACT) Insight-oriented therapy Psycho education Couple therapy Supportive psychotherapy Play therapy Interpersonal psychotherapy Interpersonal psychotherapy Family, friends, support people and carers -focussed therapy and interventions Techniques often used within cognitive and/or behavioural therapies include: Cognitive restructuring Cognitive remediation Desensitisation (graded exposure or exposure therapy) Relapse-prevention Relaxation Response-prevention Response-prevention Response-prevention Rational emotive therapy Role play/rehearsal Structured problem solving Treatment adherence
Evidence Base	
Key Reference:	Description Source: Modified from Australian Institute of Health and Welfare 2012. Development of a Prototype Australian Mental Health Intervention Classification 2013 Canberra.

Version AUS V1 October 2013 TRIM Ref: H12/35030 EXHIBIT 233 DBK.500.002.0760

2.1.9.1 Service Element – SPT Ultra Brief Intervention – Individual

These may be face to face; telephone; video conferencing and/or Skype. This structured interaction, less than 5 minutes, between a mental health participant and a qualified mental health professional using a recognised, psychological intervention - e.g., CBT, family therapy or psycho-education counselling. Psychological interventions are designed to alleviate psychological distress or emotional disturbance, change maladaptive behaviour and foster mental wellbeing.

<u>Description Source: Modified from Australian Institute of Health and Welfare 2012. Development of a Prototype Australian Mental Health Intervention Classification 2013 Canberra.</u>

2.1.9.2 Service Element - SPT Therapy: Brief Intervention - Individual

This structured interaction, less than 15 minutes, between the person and a qualified mental health professional using a recognised, psychological method - e.g., CBT, family therapy or psycho-education counselling. Psychological interventions are designed to alleviate psychological distress or emotional disturbance, change maladaptive behaviour and foster mental wellbeing. It may be face to face; telephone; video conferencing and/or Skype (as a substitute for face to face consultation).

Description Source: expert advice.

2.1.9.3 Service Element - SPT Brief Intervention - Family

This is a structured interaction, less than 15 minutes, between the person's family and a qualified mental health professional using a recognised, psychological method - e.g., CBT, family therapy or psychoeducation counselling. Psychological interventions are designed to alleviate psychological distress or emotional disturbance, change maladaptive behaviour and foster mental health. Family interventions focus on building personal capacity, resilience, coping skills and mutual support for family, friends, support people and carers. Includes services such as access to education and information, individual advocacy, intensive support to assist in navigating the mental wellbeing and community care systems. These may be face to face; telephone; video conferencing and/or Skype, dyadic work

Description Source: expert advice

2.1.9.4 Service Element - SPT Extended Intervention - Individual

This structured interaction, lasting 45 minutes, between the person and a qualified mental health professional using a recognised, psychological method - e.g., CBT, family therapy or psycho-education counselling. Psychological interventions are designed to alleviate psychological distress or emotional disturbance, change maladaptive behaviour and foster mental wellbeing. These may be face to face; telephone; video conferencing and/or Skype.

Description Source: expert advice

2.1.9.5 Service Element – SPT Extended Intervention - Family

This is a structured interaction, lasting 45 minutes, between the person's family and a qualified mental health professional using a recognised, psychological method - e.g., CBT, family therapy or psycho-education counselling. The scope of interventions is limited to family, friends, support people and carers. It should be noted that in this context, family, friends, support people and carers includes people who have a significant emotional connection to the person, such as friends and partners support person, and those who have a formal role as the person's carer. These may be face to face; telephone; video conferencing and/or Skype.

Description Source: expert advice

2.1.9.6 Service Element - SPT Extended Intervention - Group

This is a structured interaction, lasting 60 minutes, between people (on average 8) in a group setting (other than of a multiple-family group) facilitated by mental health clinicians (2) using a recognised, psychological method - e.g., CBT or psycho-education.

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Version AUS V1 October 2013 TRIM Ref: H12/35030

2.1.10 Service Category - Clinician Led Web-based Psychological Interventions

2.1.10.1 Service Element - Clinician Led Web-based Psychological Interventions

Clinician mediated e-Interventions include:

- Sole use of e-Interventions (computer based interventions) through establishment of an online clinic providing online counselling and/or prescription of e-Interventions and communication via email/skype. Offering an e-Intervention as the 'low intensity' treatment modality alternative.
- Offering the e-intervention component of a mixed service delivery model integrating other treatment. modalities (e.g., provide a person with six face-to-face sessions and six e-Intervention sessions).
- Use of e-Interventions as adjuncts to supplement traditional face-to-face care.
- Another approach involves employing a stepped care model whereby e-Interventions may become the first major port of call for those with low level or mild mental health symptoms (Christensen, in press).

Description Source: http://www.psychology.org.au/publications/inpsych/2010/feb/klein/ DRAFT IN CONFIDENCE. NOT FOR CIRCUIT e-Interventions and Psychology, by Associate Professor Britt Klein MAPS, Co-Director, National eTherapy Centre Faculty of Life and Social Sciences, Swinburne University

TRIM Ref: H12/35030

2.1.11 Service Category - Specialist Clinical Interventions - Other

2.1.11.1 Service Element - Specialist Clinical Interventions - Other

Specialist Clinical Interventions – Other - describes interventions carried out by specialist trained mental health clinicians during a service contact to improve, maintain or assess the health of a person that are not defined elsewhere. If not therapeutic or diagnostic, an intervention will nevertheless contribute materially to the improvement of a client's health, alter the course of a health condition or promote wellness. Interventions include invasive and non-invasive procedures, cognitive interventions and other interventions (including psychosocial interventions)

include invasive and non-invasive procedures, cognitive interventions and other interventions (including psychosocial interventions)

Description Source: Modified from Australian Institute of Health and Welfare 2012. Development of a Prototype Australian Mental Health Intervention Classification 2013 Camberra.

Version AUS V1 October 2013 TRIM Ref: H12/35030

144

2.1.12 Service Category - Physical Therapies

2.1.12.1 Service Element - Transcranial Magnetic Stimulation (TMS)

Transcranial Magnetic Stimulation (TMS) is a new treatment for depression and other psychiatric illnesses. There is an emerging consensus that TMS does have antidepressant effect and may play a useful role in the treatment of people diagnosed with depression.

TMS uses a very focused magnetic field to activate specific areas of the brain. Repeated TMS stimulation progressively alters brain activity improving depression in some people. TMS requires no anaesthesia or medication and generally you may go about normal activities immediately following the treatment.

am .ments-formore than the contribution of t Description Source: http://www.thevictoriaclinic.com.au/index.php/our-services/innovative-treatments-for-depression-

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0765

2.1.12.2 Service Activity - Other Evidence Based Physical Therapies

Such as:

Light therapy as a treatment for Seasonal Affective Disorder.

<u>Description Source: Expert opinion - Dr Helen McGowan, NMHAS-Mental Health, Older Adult Program, Western Australia.</u>

Exercise for Older Adults

Evidence- systematic review and meta-analysis of randomised controlled trials Access the most recent version at DOI: 10.1192/bjp.bp.111.095174 *BJP* 2012, 201:180-185.

Sensory Modulation

Sensory modulation techniques include the use of sensory rooms (especially in hospital based settings) as well as strategies that can be implemented in the person's environment (e.g. home, work etc) that assist people to self-sooth, manage agitation, arousal, symptoms and distress, support emotional regulation techniques (such as mindfulness) and offer another strategy to assist in coping with the challenges of daily life and support occupational performance. Sensory profiling, sensory modulation techniques, sensory rooms, sensory diets, environments and interventions, have increasing recognition in trauma sensitive approaches and are becoming common tools to assist in the reduction of seclusion and restraint in acute settings. Research shows individuals with a trauma history, mental illness, addictions, or those who have developed problematic behavioural patterns, are sometimes unaware of their particular sensory needs or stress responses.

References:

Miller LJ, Reisman JE, McIntosh DN, et al. An ecological model of sensory modulation: Performance of children with fragile X syndrome, autistic disorder, attention-deficit/ hyperactivity disorder, and sensory modulation dysfunction. In: Smith-Roley S, Blanche El and Schaaf RC (eds). *Understanding the nature of sensory integration with diverse populations*. San Antonio, TX: Therapy Skill Builders, (2001), pp.57–88.

Champagne T and Stromberg N. Sensory approaches in inpatient psychiatric settings: Innovative alternatives to seclusion and restraint. *J Psychosoc Nurs* (2004) 42: 1–8.;

Chalmers, A., Harrison, S., Mollison, K., Molloy, N., and Gray, K., Establishing sensory-based approaches in mental health inpatient care: a multidisciplinary approach *Australasian Psychiatry* (2012) 20: 35

Novak, T., Scanlan, J., McCaul, D., MacDonald N, and Clarke, T., Pilot study of a sensory room in an acute inpatient psychiatric unit *Australasian Psychiatry* (2012) 20: 401

Te Pou o te Whakaaro Nui Sensory modulation in mental health clinical settings: A review of the literature, Auckland, Te Pou o te Whakaaro Nui, (2011)

146

Note that Electro-Convulsive Therapy (ECT) is shown under Bed Based Services

2.1.13 Service Category-Pharmacotherapy

2.1.13.1 Service Element - Pharmacotherapy Prescription

Pharmacotherapy prescription encompasses the clinical assessment and subsequent judgement that pharmacotherapy is appropriate and indicated for the person. It typically will also involve the prescribing of an appropriate pharmacological agent and may include the preparation and administration of oral or depot intramuscular injection (IMI). As well as details of the medication prescribed, the administration route and whether the prescription is new or a repeat, is collected.

Description Source: AIHW 2013. Development of a prototype Australian mental health intervention classification: a working paper. Working papers and data briefings. Cat. no. HSE 130. Canberra: AIHW. http://www.aihw.gov.au/publication-detail/?id=60129542689. Further details at Annex B: Psychopharmacotherapeutic Drug for the MHIC

2.1.13.2 Service Element - Pharmacotherapy Review

This incorporates a review of a person's current medication regime to determine appropriateness of the regime and an assessment of the person's ability to manage medication safely. It may be further disaggregated to:

- Pharmacotherapy Review A No additional monitoring/imaging
- Pharmacotherapy Review B Medium Monitoring
- Pharmacotherapy Review C High Monitoring

Description Source: Expert Working Group advice combined with the AIHW 2013. Development of a prototype Australian DRAFT IN CONFIDENCE. NOT mental health intervention classification: a working paper.

2.1.14 Individual Practitioner Staffing Profiles for this Service Stream

2.1.14.1 Mild and Moderate Care Packages

SCHEME	STAIT CATEGORY	FTE	Other time %	Gross available daily fecurs (wkly/5)	Net consumer service available daily delivery hours	Net consumer service annual delivery hours	Available rours per amount per FIE	Weighted average salary **	Cost	FTE N share	Diver freezis
NMHSPF	TOTAL	10.00		78.96	67,12	15,436.68	1,544	108,338	1,083,375	100%	-05
NMHSIF	Vocationally Qualified	7.00	0,15	15.20	12.92	2,972	1,486	345,724		100%	73%
MMSPF	Parel Worker	2.00	0.15	15.20	12.92	2,972	1,485	\$58,831		100%	23%
NMHSIF	Tertiary Qualified	4.00	0.15	31.04	2638	6,068	1,517	\$128,648		100%	- 05
NAMES	Medical	3.00	0.15	17.53	14.89	3,425	1,650	\$179,837		100%	09
nm: - Mi	E and Maderate	1									
NMHR	TOTAL	Total FTE (includes Leave)	Other time %	Hours available/5 days	Consumer service delivery hours daily	Consumer Service delivery hours annual	Available hours/annum/F TE	Salary**	Cost		
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NMHR	General Practitioner	1.00	0.15	8.44	7.17	1.650	1,650	\$179,837	5179.837	100%	0%
NMHR	Psychiatrist	1.00	0.15	9.08	7.72	1,775	1,775	5255,686	\$255,686	100%	-09
NMHR	Registrar										
NMHB.	Junior Medical Officer										
NMHR	Other Medical Specialist										
NMHX											
NMH8.	Registered Nurse										
NMHR	Nurse Fractitioner										
NMHR.	Enrolled Nurse										_
NMHR		1			26.38	6,068.32		4400000	Jane	200	
NMHR	Psychologist.	1.00	0.15	7.76	3.44	1,517	1,517	5128,648	\$128,648	100%	05
NMHR.	Social Worker	1.00	0.15	7.76	6.60	1,517	1,517	\$128,648	\$128,648	100%	-0%
NMHR	Occupational Therapist	1.00	0.15	7.76	6.60	1,517	1,517	\$128,648	\$128,648	100%	09
NMHB.	Other TQ (eg pharmacist)	1.00	0.15	7.76	-	1,517	1,517	\$128,648	\$128,648	100%	0%
NMHR NMHR	Continue or Business	1.00	0.15	7.60	25.84 6.46	5,943.20		FF0 800	CC0 604	1000	235
	Consumer Peer Worker			-		100	1,486	\$58,831	\$58,831	100%	
NMHR	Carer Peer Worker	1.00	0.15	7.60	6.46	1,486	1,486	\$58,831	\$58,831	100%	239

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*Overheads is an estimate of costs associated with other services including corporate overheads, security services, cleaning other non-labour costs including communicatio, transport, utilities and maintenace etc. It is expressed as a proportion of labour costs.

**Average annual salary escalated to include overtime, on call and other penalty rate allowances.

2.1.14.2 Severe Care Packages

SCHEME	STATE CATEGORY	FTE	Other time N	Gross available daily hours [wkty/5]	Net consumer service available daily delivery hours	Net comumer service annual delivery insurs	A STATE OF THE PARTY OF THE PAR	Weighted average salary **	Cost	FTE N share	Over
NMHEPF	TOTAL	12.00	-	92.84	58.63	13,210.04	1,501	91,452	1,097,423	100%	.0%
NMHSPF	Vocationally Qualified	7.00	0.33	15.20	10,18	2,299	1,149	345,724		100%	73%
NMSVE	Paris Worker	2.00	0.38	15.20	10:18	2,299	1,149	\$58,881		100%	23%
NMHSPF	Tertiary Qualified	5.00	0.33	38.00	25.46	5,695	1,149	\$95,532		500%	23%
NMHSPF	Medical	3.00	0.27	24.44	17.89	4,016	1,183	\$136,885		100%	23%

NMHR	TOTAL	Total FTE (includes Leave)	Other time %	Hours available/5 days	Consumer service delivery hours daily	Consumer Service delivery hours annual	Available hours/annum/F TE	Salary**	Cost	1	
NMHR					17.89	4,015.92					-
NMHR	General Practitioner	1.00	0.15	8.44	7.17	1,650	1,650	\$179,837	\$179,837	100%	0%
NMHR	Psychiatrist	1.00	0.33	8.00	5.36	1,183	1,183	\$200,564	\$200,564	100%	23%
NMHR	Registrar	1.00	0.38	8.00	5.36	1,188	1,183	\$136,885	\$136,885	100%	23%
NMHR	Junior Medical Officer	1 100								-	
NMHR	Other Medical Specialist										
NMHR									- 78		
NMHR.	Registered Nurse										
NMHR	Nurse Practitioner	1.00	0.33	7.60	5.09	1,098	1,098	\$135,388	\$135,388	100%	23%
NMHR.	Enrolled Nurse						-			100	
NMHR					20.37	4,597.06				1	-
NMHR	Psychologist	1.00	0,38	7.60	5.09	1,149	1,149	595,582	\$95,532	100%	23%
NMHR	Social Worker	1.00	0.38	7.60	5.09	1,149	1,149	\$95,532	\$95,532	100%	23%
NAME	Occupational Therapist	1.00	0.33	7.60	5.09	1,149	1,149	\$95,532	\$95,532	100%	23%
NMHR	Other TO (eg pharmacist)	1.00	0.33	7.60	5.09	1,149	1,149	395,532	\$95,532	100%	23%
NMHR					20.37	4,597.06					
NMHR	Comumer Peer Worker	1.00	0.33	7.60	5.09	1,149	1,149	\$58,831	\$58,831	100%	23%
NMHR	Carer Peer Worker	1.00	0.33	7.60	5.09	1,149	1,149	358,831	\$58,831	100%	23%
NMHR	VQMH Worker	1.00	0.38	7.60	5.09	1,149	1,149	\$45,724	\$45,724	100%	23%
NMHR	VQ Other	1.00	0.33	7.60	5.09	1,149	1,149	355,477	\$55,477	100%	23%

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North FTE		-	-	-	1.0			1/0	2.0	1.0.	1.0	1.0	1 - 0		31	1.0		0 1.0	1.0	4.0	1.0	1.0	1,0	1.0	4.0	1
and FID		-		-		· ·	1	~									1		_			-	7	1		
ATTRIBUTA	1	1 18			1.0		-	1.0	2.0	1.0	1.0	1.0		- 2	10	1.0	5.0	0 1.0	50	4.0	1.0	1.0	1.0	1.0	4.0	12

^{*}Overheads is an estimate of costs associated with other services including corporate overheads, security services, cleaning other non-labour costs including communicatio, transport, utilities and maintanace etc. It is expressed as a proportion of labour costs.

** Average annual salery escalated to include overtime, on call and other penalty rate allowances

2.1.15 Service Category and Element removed from this Service Stream

Service Stream – Primary and Specialised Clinical Ambulatory Mental Health Care Services Service Category – Early Psychosis Services 15-24 years Service Element – Early Psychosis Services 15-24 years

Initially when developing the Taxonomy and the Early Psychosis Services Care Packages, it was expected that this care would be modelled via this Service Element and a staffing team profile. As the Care Packages were developed, it was found that existing service elements could be used instead. The Service Element – Early Psychosis Services 15-24 years and Service Category – Early Psychosis Services 15-24 years were removed from the Taxonomy.

Attribute	Details
Description	Early Psychosis (EP) services aim to facilitate early identification and treatment of psychosis and therefore reduce the disruption to the young person's functioning and psychosocial development.
	The key functions of an EP service are to: improve early identification and treatment for young people at risk of psychotic illness facilitate access to age-appropriate assessment explore the possible causes of psychotic symptoms and treat them reduce delays in initial treatment to reduce disruption in a young person's restoring the normal developmental trajectory and psychosocial functioning provide meaningful interventions that are based on assertive outreach principles that promote functional recovery, reduce frequency and severity of relapse, and prevent or delay the first relapse involve families, carers, significant others and peers in care reducing the burden for carers and reducing the disruption educate the young person and their family members
	 reduce the stigma associated with psychosis and improve professional and community awareness of the symptoms of psychosis and the need for early intervention
	 develop meaningful engagement, provide evidence-based interventions, promote recovery during each phase of illness, and promote positive social, occupational and educational outcomes
4	 provide a seamless service for young people experiencing EP that effectively integrates child, and adult mental health service (MHS) streams, and works in partnership with primary care, education, social services, youth services and other sectors
OF OF	 at the end of the treatment period, ensure that care is transferred thoughtfully and in a timely manner
	Predominantly, Early Psychosis (EP) services are based in the community and the majority of EP service provision will occur in the home, a community clinic, a general practice or other nominated place within the community. In some circumstances, service provision may be delivered as part of an inpatient admission and the EP service will ensure continuity of care during this time.
Fundamental Attributes	Early Psychosis services provide early detection and treatment for young people aged 15 – 24 years (inclusive) who are at risk of or are experiencing Early Psychosis. The service unites the child and adolescent (0 – 18 years) and adult (18 years and over) mental health service streams in the provision of care to young people (15-24 years) There is a developmental focus of care, with an emphasis on assertive therapeutic outreach and holistic care involving family, friends, support people and carers and organisations across the child and adolescent (youth) sector.
Service specification	s and suggested modelling attributes
Target Age:	15-24 years

Target Population Profile	15-24 years with emerging psychotic illnesses
Workforce	Nursing, Allied Health, Medical, Psychiatry
Hours of Operation	Extended hours
Gross Cost per activity (If applic)	N/A
Evidence Base	
Level of Evidence:	1
Key Reference Sources:	 Primary Source: Early Psychosis Prevention and Intervention Centre http://eppic.org.au/eppic-clinical-guidelines Modified from Queensland Public Mental Health Services Models of Service Early Psychosis 2011 (Endorsed Executive Director Mental Health, Queensla 02/07/2010) Amminger, G.P., et al., Outcome in early-onset schizophrenia revisited: findin from the Early Psychosis Prevention and Intervention Centre long-term follow-up study Schizophrenia Research, 2011. 131(1-3): p. 112-9. Killackey, E., Review: early intervention services can be clinically beneficial for people with early psychosis. Evidence Based Mental Health, 2011. 14(2): p. 5 McGorry, P., Early Intervention in Psychiatry: the critical period. Early Intervention in Psychiatry, 2011. 5(1): p. 1-2. 70. McGorry, P., The mental health of young people: a new frontier in the health and social policy of the 21st century. Early Intervention in Psychiatry, 2011. 5: p. 1-3. Alvarez-Jimenez, M., et al., Preventing the second episode: a systematic reviand meta-analysis of psychosocial and pharmacological trials in first-episode psychosis. Schizophrenia Bullettin, 2011. 37(3): p. 619-630.
Limitations of Evidence:	Nil
Recommendations for future research:	
2AFT INCOM	FIDENCY

2.2 SERVICE STREAM – SPECIALISED MENTAL HEALTH COMMUNITY SUPPORT SERVICES

Service Stream		Specialised MH Community Support Services
Service Category	G	Group Support and Rehabilitation Services
Service Element	GR	Group Support and Rehabilitation
Service Activity	GR1	Group Support and Rehab linked to accessing and maintaining safe and
Service Activity	GIVI	secure housing including practical skills for maintaining a home and living well
Service Activity	GR2	Group Support and Rehab linked to early childhood, education and/or
		employment
Service Activity	GR3	Group Support and Rehab linked to enhanced relationships and social
		participation
Service Activity	GR4	Group Support and Rehab linked to navigating the primary and mental health
		care systems
Service Element	<u>GP</u>	Group Based Peer Work
Service Activity	GP1	Group Based Peer Work - Moderate
Service Activity	GP2	Group Based Peer Work - Severe
Service Activity	GP3	Group Based Carer Peer Work - Moderate
Service Activity	GP4	Group Based Carer Peer Work - Severe
Service Category	T	Individual Support and Rehabilitation Services
Service Element	<u>IR</u>	Individual Support and Rehabilitation
Service Activity	IR1	Individual Support and Rehab linked to accessing and maintaining safe and
		secure housing including practical skills for maintaining a home and living well
Service Activity	IR2	Individual Support and Rehab linked to early childhood, education and/or
		employment
Service Activity	IR3	Individual Support and Rehab linked to enhanced relationships and social
Service Activity	IR5	participation Individual Support and Rehab linked to health management services
Service Activity	IR6	Individual support and Rehab linked to Community Aged Care
Service Activity	IR7	Flexible Funding Pool - Consumer
		-
Service Element	<u>IP</u>	Individual Peer Work
Service Activity	IP1	Individual Peer Work
Service Activity	IP2	Individual Carer Peer Work
Service Category	0	Other Residential Services
Service Element	<u>OC</u>	Residential Crisis and Respite Services
Service Category	F	Family and Carer Support
Service Element	<u>FR</u>	Flexible Respite
Service Element	<u>FD</u>	Day Respite
Service Element	<u>FS</u>	Family Support Services
Service Element	<u>FG</u>	Group Carer Support Services
Service Activity	FG1	Group Carer Support linked to accessing and maintaining safe and secure
		housing including practical skills for maintaining a home and living well
Service Activity	FG2	Group Carer Support linked to education and/or employment
Service Activity	FG3	Group Carer Support linked to enhanced relationships and social participation
Service Activity	FG4	Group Carer Support linked to health management
Service Element	<u>FI</u>	Individual Carer Support Services
Service Activity	FI1	Individual Carer Support linked to accessing and maintaining safe and secure

		housing including practical skills for maintaining a home and living well
Service Activity	FI2	Individual Carer Support linked to education and employment
Service Activity	FI3	Individual Carer Support linked to enhanced relationships and social participation
Service Activity	FI4	Individual Carer Support linked to health management
Service Activity	FI5	Flexible Funding Pool - Carer

DRAFT, INCOMFIDENCE. NOT FOR CIRCULATION OR CITATION O

2.2.1 Service Category - Group Support and Rehabilitation Services

Descriptor

Group support and rehabilitation activities are services that aim to improve the quality of life and psychosocial functioning of people using mental health services, through the provision of group-based social, recreational or prevocational activities. With the exception of peer support services, group support activities are led by a member of the community managed organisation.

Distinguishing Features

- Delivered to groups of people simultaneously
- Primarily engage people in one or more social, recreational, prevocational or physical activities
- Centre-based or conducted in community environments
- Led by an employee or representative of a community managed organisation that may or may not be a peer worker.
- Structured or unstructured group support and activities

Inclusions

- Neighbourhood, community and drop-in centres
- Structured community day programs
- Leisure and recreation activities
- Psychological educational programs
- Clubhouses
- Support for day-to-day living

Exclusions

Self-help and mutual support activities delivered on a group basis.

Example Services

- Helping Hands
- Pananga Clubhouse

Taxonomy

- Group Based Support and Rehabilitation
- Group Based Peer Support

Description Source: AlHW Non-Government Organisation Establishment (NGOE) National Minimum Dataset (NMDS) Service Taxonomy (draft January 2013)

2.2.1.1 Service Element - Group Support and Rehabilitation

Attribute	Details			
	functioning of people of psychosocial group produced process of the psychosocial group produced process of the psychosocial group produced produced populary produced	using mental health ograms, recovery of ational, Community nity programs, indivivices, leadership programs, indivivices, leadership programs, and the constant of the constant	e the quality of life and psychologous services. Included in this elemented groups (eg. Access, life skills, health manifoldual/ family/ friend/ carer edurograms, relaxation/mindfulnessy be centre based (eg day pround may or may not be structure or un by peer workers, but extraction, as this is covered under	agement, cation, arts ss and groups gram) or ed, time
Attributes	facility but could be he support services are in scope for this element	osted in a number oncluded in the Grou	rvices that may or may not red of environments. Note that ded up Based Peer Work Element	icated peer
Service specification	ns and suggested mo	delling attributes		
Activities:	secure housing well Group Support a participation	including practicend Rehabilitation land Rehabilitation l	to accessing and maintaining all skills for maintaining a holinked to education and emploinked to enhancing relationship linked to health management	ome and living byment. hips and social
Target Age:	16-64 yrs			
Target Pop'n Profile	People with moderate	to severe mental ill	ness.	
Avg timeframe and frequency per activity	Medium Support (eg. x 25 weeks per year	Structured Part Day	per day, 1.5 days per week, 15 v Programs) – 3hrs per day, 3x oper day, 5 days per week, x 46 w	days per week
Hours of Operation and Proportion BH and AH	Day Program: Busine Flexible Hours – Drop			
Workforce				
Workforce Type	SCHADS Award Level	Hours worked	Proportion of Business hours and After Hours	Estimated % of Direct Care
Tertiary Qualified	Level 6	1.0 FTE	Business hours only	30% Direct Care
Vocational Qual	Level 5	1.0 FTE	75% BH and 25% AH	70% Direct Care
Vocational Qual	Level 3-4	3.5 FTE	75% BH and 25% AH	80% Direct Care
Average 6x participa	nts per facilitator/sta	ff member.	•	l

Evidence Base

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0775

Level of Evidence:	
Key Reference:	
Limitations of Evidence:	
Recommendations for future research:	

Service Activity – Group Support and Rehab linked to accessing and maintaining safe and secure housing including practical skills for maintaining a home and living well

Group support and rehabilitation services are provided specifically towards an individual's personal goals of the establishment and maintenance of safe and secure housing and living well. The concept of safe and secure housing encompasses:

- Sustainability (security) of tenure or ownership of a dwelling suitable to the needs of the individual/ family/ friend/ support person or carer
- Financial security through affordable rental or mortgage repayments, budgeting and ongoing ability to pay household bills, including during periods of being unwell
- Physical safety and security through well-maintained property and access to support for managing
- Environmental safety and security through social and cultural acceptance and access to neighbourhood facilities.

The services are provided on a group basis, and may be provided for individuals stepping down from residential care, assist an individual to maintain or change their housing circumstances (e.g. Individuals living with family members or in group accommodation, homeless individuals or for those living independently and are at risk of homeless).

Critical factors to succeed in housing includes the availability of affordable housing, effectively engaging the housing market, maintaining personal wellness, adequate income, housekeeping and budget management skills, the provision of adequate transport and being able to successfully navigate the individual's neighbourhood and access services as required.

Information Gathering

Group based assessment of psychosocial needs and functional assessment identifying housing needs, support available, personal strengths and areas for development; including the provision of information that identifies different housing options and outlines access issues.

Planning

Development of a person centred recovery plan inclusive of support networks driven by the individual that identifies housing goals, referral pathways, housing providers, resource options and advocates as appropriate and associated skill development and action required.

Action

As per the recovery plan, support the individual in establishing and maintaining housing arrangements including:

Resources: Establish financial resources, legal and tenancy support, practical support (both personally and in relation to property maintenance) and processes to support skill development. Engaging assertively with the housing market is critical to establishing safe and secure housing. Particularly in the context of liaising/networking and following up on commitments made, supporting accommodation hunting and development of the housing application. Also support the individual to

TRIM Ref: H12/35030

access public housing tenancy support officers and rental assistance schemes, or assist with the installation of security devices, advancing or assisting with bond money and removal costs.

- Skill Development: with a focus on Rehabilitation to improve competence and confidence in community living, particularly in relation to managing tenancy matters.
- Social/Cultural Context: Ensure housing allocation is safe and appropriate to personal and cultural circumstances. Address stigma, provide flexible support tailored to individual need to promote the likelihood of successful housing arrangements.
- Health and Wellbeing: Improve independence and resilience and ensure appropriate support is provided to maintain a healthy home environment.

Outcomes

Stability of housing and individual housing goals are met along with critical success factors for maintaining that housing.

Collaboration

Individual and their family/ friends / support people or carers, housing providers, income support or management, mental and general health clinical and community support services, financial brokers, tribunals and other social, health and community opportunities.

There is a need to establish mental health support positions dedicated to housing issues to enhance secure housing outcomes and enhance intersectoral links, particularly between mental health, generic and dedicated housing and other social support services.

Service Activity – Group Support and Rehab linked to early childhood, education and/or employment

General description

Group support and rehabilitation services provided specifically towards an individual's personal goals towards education and or employment. The services are provided on a group basis, and generally target the functions of accessing and supporting education and employment opportunities rather than providing the education and employment services themselves.

Information Gathering

Group based exploration of psychosocial needs and functional assessment identifying education and employment targets, motivation to work and/or study, self-identified support needs, support available, personal strengths and areas for development. Also includes the provision of information that identifies different education/employment options and outlines access issues.

Planning

Development of a person centred recovery plan inclusive of support networks driven by the individual that identifies education and/or employment goals, referral pathways, service providers, resource options and advocates as appropriate and associated skill development and action required. Particularly need to consider the long term of positive effects of supporting individuals back into school, which further supports post-secondary study and subsequent employment opportunities (*McLaren, K (2004) Work in Practice – Best practice employment support services for people with mental illness, NZ*).

<u>Action</u>

As per the recovery plan, support the person in accessing and maintaining education and employment through the following activity:

 Resources: Provide career counselling and assistance in course selection and enrolment procedures, linking to disability liaison or counselling services as required. (VETE) Establish financial counselling and access to financial support, transport services and employment/education

practical support. Engage assertively with the employment and education providers to ensure a flexible and supportive environment is established. Ensure mental health staff respond flexibly to the needs and availability of the individual around their work/education commitments and pressures. Regular review meetings with the individual and both mental health and employment and/or education services. Where appropriate, family/ friends/ support people and carers should be involved in the review process.

- Skill Development (including Rehabilitation Focus): Preventing relapse and coping with
 work/education pressures. Establishing effective employment or study strategies early in the illness
 trajectory may have life-long impact on employment outcomes, preventing secondary disability and
 associated economic and social costs. Providing a specialist VETE service ensures employment and
 education remain a high priority when other issues required addressing by the care coordinator (eg
 decline in mental or physical health). (VETE)
- Social/Cultural Context: Address stigma in the work/education environment. Provide flexible support tailored to individual need, tutoring and flexible delivery of education courses or employment arrangements promotes the likelihood of success. (VETE)
- Health and Wellbeing: Close links and integration with care coordination services, primary care, crisis intervention and accommodation issues will support the stability of health without detracting from progressing the vocational and educational goals of the individual. (VETE)

Outcomes

Completion of studies or vocational training. Participation in supported or open employment, independent income, sustained or stable involvement in employment and education.

Collaboration

Foster a close working relationship with income support services and Job Capacity Assessors to ensure referrals to employment services are processed appropriately. Need to establish mental health clinical and support positions dedicated to vocational and educational issues to enhance employment and educational outcomes. Enhanced intersectoral links, particularly between mental health, generic employment and education services (e.g. Resume production, course content information), Disability Employment Services, TAFE, Universities and other social support services.

Description Source:

Frost, B., Morris, A., Sherring, J. and Robson, E. (2008) Vocational Education, Training and Employment (VETE) Pilot Project Report – Psychiatric Rehabilitation Services 2006-2007, NSW Health, Sydney.

Service Activity – Group Support and Rehab linked to enhanced relationships and social participation

General description

Group based interventions working with the individual to identify and develop interests. Work with the person to access activities within the community to participate in. Working with the individual to identify relationships which are important to them, and work on developing, maintaining and growing those relationships.

Information Gathering

Identify with the person what their interests are and identify what is available in the community. Identifying support people who may be available to assist with accessing and participating in community activities.

Planning

Working with the person to develop a person centred recovery plan inclusive of support networks, which involves developing the skills to find, access and participate in community activities. Assisting the person to plan every aspect of participation in social activities, this will involve identifying the resources and skill development required.

Action:

As per the person centred recovery plan inclusive of support networks:

- Resources: Establish financial resources in order to assist with funding community activities or
 access to community activities. Identify and establish support to access and engage in community
 activities eg transport, travel skill development etc. Identify support people to assist with community
 integration and participation (may include workers).
- Skill Development (including Rehabilitation Focus): identify and develop skills required to access and
 participate in community activities e.g. ability to catch the bus, social presentation and skills,
- Social/Cultural Context: ensure activities planned are socially and culturally appropriate and safe for the person.
- Health and Wellbeing: ensure that activities planned will assist with the development of improved health and well being.

Outcomes

Increasing social participation and community engagement in order to meet goals connected to social inclusion.

Collaboration

Individual/ family / friends/ support people and carers, organisations providing courses and activities, educational and vocational providers, community organisations, non government organisations

Description Source: Expert Working Group input

Service Activity – Group Support and Rehab linked to navigating the primary and mental health care systems

General description

Group based programs assisting a person to improve or maintain his or her health or wellness. People with serious mental illness experience a life expectancy 25 years less than the general population – this is mainly due to physical health issues related to smoking, obesity and lack of physical activity. (J.Parks "25 years too late" http://www.abc.net.au/rampup/articles/2012/09/10/3586516.htm). It needs to be noted that not all people with a serious mental illness experience issues related to smoking, lack of physical exercise or obesity and therefore not all people will require support and / or skills building in these areas. Actively seeking or establishing strategies and activities that promote good health and wellbeing. Examples might include regular physical health assessment and treatment as appropriate, massage and other forms of relaxation activities, counselling and peer support, recreational activities, skill development in health practices (e.g. Cooking, cleaning, fitness).

Information Gathering

Engage the participant in a relationship of trust to develop a plan for health management. Assess health status (including physical and mental health) identifying barriers and enablers for good health. Include a review of physical and mental health needs, thorough history and review of medication (both physical and otherwise). Provide a collation of physical and dental health contacts and connect to these services. Assess readiness for change and skills connected with coping, health management, menu planning, shopping, cooking and fitness. Assessing readiness to engage in guit smoking initiatives (where applicable).

Planning

Prioritise and set health and wellness goals by formulating a health and wellness plan, that is driven by the person with support in the planning process.

Action

In the context of a group format, support the person in developing healthy behaviours and support access and use of resources as appropriate:

- Resources: Nicotine replacement therapy, brokerage funds (e.g. to assist in accessing gym memberships or exercise clothes), respite and/or personal support services,
- Skill Development (including Rehabilitation Focus): Support the person in developing skills in healthy practices and overall health management and to engage or disengage in activities which assist in improving health
- Social/Cultural Context: Utilising support and respite services as required to maintain and promote social relationships in work, education and social/cultural environments.
- Health and Wellbeing: As above.

Outcomes

Better life expectancy stats – people with serious mental illness having decreased rates of smoking, obesity and increased rates of physical exercise – lower rates of cardiovascular disease, respiratory disease etc. lower rates of hospitalisation, presentation to EDs for physical health issues etc.

Collaboration

General Practice and other health services, community health management organisations (Eg. gyms, swimming pools, weight management services, smoking cessation services), other recreational, educational Supple Su and vocational services and mental health care and related support services.

EXHIBIT 233

NMHSPF: Service Element and Activity Descriptions

Service Activity – Group Support and Rehab – Staffing Profile

Summary of Staffing Profile for Group Support and Rehabilitation

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Consumer Service Delivery hours available annual	Available hours/ann um/FTE	Weighted Salary **	Cost	FTE share	Overheads %
NMHSPF	TOTAL	6,35		41.80	20.63	7,530	1,185	#DIV/01	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	5.20	0.25	24.43	19.00	6,936	1,334	39,186	203,704	82%	20%
NMSPF	Peer Worker	€ 1	0.25	1 2		0.1		#DIV/01	- 6	0%	20%
NMHSPF	Tertiary Qualified	1.16	0.35	5.43	1.63	594	515	4	2	18%	20%
NMHSPF	Medical	- 3	0.25	2		- 2			-0.0	0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost		O'heads %
NMHR	Total Medical	-		1.5	4	14			\$0	0%	20%
NMHR	Psychiatrist	130	0.25	-	181	-			50	0%	20%
NMHR	Registrar	-	0.25	-	120	-	3		50	0%	20%
NMHR	Junior Medical Officer	30	0.25	-	-	-	- 3		50	0%	20%
NMHR	Other Medical Specialis		0.25	9			-		\$0	0%	20%
NMHR	Total Nursing						-		\$0	0%	20%
NMHR	Registered Nurse	- 5	0.25	15	7	-	4		\$0	0%	20%
NMHR	Nurse Practitioner	8	0.25	1.9	7	-			\$0	0%	20%
NMHR	Enrolled Nurse	- 6	0.25	9.	-	4	-		\$0	0%	20%
NMHR	Total Allied Health	1.16		5.43	1.63	594	515		\$65,275	18%	20%
NMHR	Psychologist	-	0.30	2	-	-			50	0%	20%
NMHR	Social Worker	E	0.30	1.6		-	-		\$0	0%	20%
NMHR	Occupational Therapist	-	0.30	38	-	-	4		SO	0%	20%
NMHR	Other TQ (eg pharmacis	1.16	0.70	5.43	1.63	594	515	\$56,511	\$65,275	18%	20%
NMHR	VQ and Peer Workers	5.20		24.43	19.00	6,936	1,334		\$248,966	82%	20%
NMHR	Consumer Peer Worker	-	0.25	3-	-	-	-		SO	0%	20%
NMHR	Carer Peer Worker	4-	0.25	ж.			-		\$0	0%	20%
NMHR	VQMH Worker	4.04	0.20	19.00	15.20	5,548	1,372	\$45,724	\$184,853	64%	20%
NMHR	VQ Other	1.16	0.30	5.43	3.80	1,388	1,201	\$55,477	\$64,114	18%	20%

Total Available Hours

7530.16

Annual Cost Salaries
* Including Overheads 20.0%

\$314,241 \$377,089

Version AUS V1 October 2013 TRIM Ref: H12/35030 Information from Care Package

Hours Per Annum for an individual 220
Particpitants per service Provider 6
Total Target Population for care pa 2,250
Total Hours Req per Annum 82,500

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	9.1	#DIV/0!		#DIV/0!
NMHR	Psychiatrist	9	#DIV/0!	\$0	#DIV/0!
NMHR	Registrar	·	#DIV/01	\$0	#DIV/0!
NMHR	Junior Medical Officer	-	#DIV/01	\$0	#DIV/0!
NMHR	Other Specialist	9.9	#DIV/0!	\$0	#DIV/0!
NMHR	Total Nursing		#DIV/01		#DIV/0!
NMHR	Registered Nurse		#DIV/0!	\$0	#DIV/0!
NMHR	Nurse Practitioner	9.1	#DIV/0!	\$0	#DIV/0!
NMHR	Enrolled Nurse	9.1	#DIV/0!	\$0	#DIV/0!
NMHR	Total Allied Health	1,085	2.11		#DIV/0!
NMHR	Psychologists	100	#DIV/0!	\$0	#DIV/0!
NMHR	Social Workers	-	#DIV/0!	\$0	#DIV/0!
NMHR	Occupational Therapist	-	#DIV/0!	\$0	#DIV/0!
NMHR	Other	1,085	2.11	\$56,511	\$119,191
NMHR	VQ and Peer Workers	12,665	9.49		#DIV/0!
NMHR	Consumer Peer Worker		#DIV/0!	\$0	#DIV/0!
NMHR	Carer Peer Worker		#DIV/0!	\$0	#DIV/0!
NMHR	VQMH Worker	10,131	7.38	\$45,724	\$337,539
NMHR	VQ Other	2,534	2.11	\$55,477	\$117,071

DBK.500.002.0780

Total FTE #DIV/0!

FTE/Client #DIV/0!

Case load..clients/FTE #DIV/0!

Annual Cost Salaries #DIV/0!

* Including Overheads 20.0% #DIV/0!

AQMHP

Total

Worked

-	_			-
•	ч	•	-	-

							594.43	5		-														
					Nu	rsing						Medical				A	llied Heal	th		Peer Wo	rkers		Vocat Qu	al
De	scription	Director	CNG/NUM/NE	ON	RN	Enrolled Nurse	Graduato Nurse Training	Narse Practitioner	Nursing	Paychantel	Rogestrar	Jun Med Off	Other Specialist	Medical	Psychologist	Social Worker	Decupational Therapist	Other	Allied Health	Consumor Poor Worker	Carer poer Worker	VO MH Worker	VQ Other	VQ
									Total					Total				SCHADS L6	Total			SCHADSL3	SCHADS L5	Total
					207			7.5										1,0 FTE 100%BH	7	- 17		3.5FTE 709GBH	1.0FTE 70%BH	Hours
ase Wooldy		38	39	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked
Day	SMI	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs	
nday	Day								-									7.8	7,8			19.7	5.4	24
	Evening	-												-								47	1.4	6
	Nght								1-					1-					5.1					
asday	Day					-	-		-				_	-				7.8				18.7	5.3	24
	Evening	-			****				-					***************************************					-	*****	*********	4.8	1.3	6
	Nght	-							14				7	1-										-
othossay	Day					-			1+					1-				7.8	77.00			19.6	5.4	24
	Evening	-				-			9					- 0					-			4.7	1.4	6
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*Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

** Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs Variable Inputs

Comments:

Support from sector indicated. Feedback indicated model would generally include M-F BH with 2x evenings per week until 8pm & Sat PM. Have allowed for some Sunday time for drop in centres. Feedback also that program manager/team leader role should be limited to SCHADS Level 6 as per roles defined in the NSW SACS/SCHADS document. Respite data indicates 24% of respite services are provided in a day centre setting, with a demand of 17% weekday, 10% Weeknight and and 73% weekend across all types of respite. The assumption applied here however, is that the majority of day respite services are provided on weekdays to avoid gross distortion of other group based programs. However, the AH workforce was increased to 30% instead of 25%.

2.2.1.2 Service Element - Group Based Peer Work

Attribute	Details	
Description	by peer workers. Includes services that a family, friends or support person by work life experiences with people who have si support networks for crisis situations. Ha prevention and psychological education	
Fundamental Attributes		equire a specific facility but could be hosted generally be of short duration (eg. Group is may or may not be structured (eg two
Service specification	s and suggested modelling attributes	
Activities:	Group Based Peer Work – Moderate Group Based Peer Work – Severe	Group Based Carer Peer Work – Moderate Group Based Carer Peer Work – Severe
Target Age:	16-64yrs	18-64yrs
Target Pop'n Profile	People with a diagnosis of mental illness experiencing moderate to severe levels of psychosocial disability.	Family/ friends/ support people or carers may need social emotional support coupled with education, knowledge and friendships due to the ongoing demands placed on their own health and wellbeing. Groups should be "founded on the key principles of respect, shared responsibility and mutual agreement of what is helpful" (Mead, Hilton and Curtis, 2001, p.135)
Avg timeframe per activity (if applic)	2 hours per week, 46 weeks	Services should be flexible to suit the demand. Group Supported Services provide opportunity for involvement activities in the general community and should be peer delivered.
Frequency of activity	Weekly	Weekly
Hours of Operation and Proportion BH and AH	70% business hours and 30% after hours estimated across all forms of group peer work.	70% business hours and 30% after hours estimated across all forms of group peer work.
Workforce	Group Based Peer Work – Moderate: 2x Facilitators per 12 participants. 50% BH, 50% AH Group Based Peer Work – Severe: 2x Facilitators per 6 participants, 90% BH, 10%AH	Group Based Carer Peer Work – Moderate: 2x Facilitators per 12 participants. 50% BH, 50% AH Group Based Carer Peer Work – Severe: 2x Facilitators per 6 participants 70% BH, 30% AH
Evidence Base		
Level of Evidence:		
Key Reference:	Catelein, S., Bruggeman, R., van Busschbach, M., van der Gaag, M., Stant, A. D., Knegtering, H., Wiersma, D. (2008). The effectiveness of peer support groups in psychosis: a	Recognition and Respect – Mental Health Carers Report , Mental Health Council of Australia 2012 (2012) Mental health peer support for hospital

	randomized controlled trial. Acta Psychiatr Scand 118, 64-72	avoidance and early discharge: An Australian example of consumer driven and operated service, Dr Sharon Lawn, BA, DipEd, MSW, PhD ¹ , ^{2†} , Ann Smith ¹ and Kelly Hunter ¹ 2008, Vol. 17, No. 5, Pages 498-508 (doi:10.1080/09638230701530242)
Limitations of Evidence:	There is limited Australian Research on group peer support.	
Recommendations for future research:	Most studies are based on the efficacy of peer support with a few randomised controlled trails in USA and Europe. Further research within the Australian context is required.	CITATIO

Description Source: Consumer and Carer Reference Group input

Service Activity - Group Based Peer Work (Moderate and Severe)

General description

Peer groups can offer shared understanding and normalisation of the experience of mental illness, and a space free of stigmatising views. By sharing the experiential knowledge about what enables recovery, peers offer hope and optimism. The authentic experience of 'those who've been there' provides expert knowledge, enabling a greater likelihood to motivate empowerment and self efficacy.

Access

Voluntary participation for people with mental illness and/or a psychosocial disability in which the group addresses a common issue by working on recovery.

Outcomes

"Recovery is a process, a way of life, an attitude, and a way of approaching the day's challenges. It is not a perfectly linear process. At times our course is erratic and we falter, slide back, regroup and start again. The need is to meet the challenge of the disability and to re-establish a new and valued sense of integrity and purpose within and beyond the limits of the disability; the aspiration is to live, work, and love in a community in which one makes a significant contribution." Patricia E. Deegan, 1988

Improved symptoms, increased participants' social networks and quality of life, reduction in hospitalisations and shorter hospitalisations when a person is hospitalised. Improved daily functioning and improved illness management (Solomon 2004).

Collaboration

Community managed mental health services, community health services, other community services that promote social inclusion as well as, housing, vocational, education, drug and alcohol services.

Service Activity – Group Based Carer Peer Work (Moderate and Severe)

General description

Peer groups can offer shared understanding and normalisation of the experience of caring for someone with mental illness, and a space free of stigmatising views. By sharing the experiential knowledge about what enables self care for the family/friends/support person or carer and early intervention and recovery for the person they care for, peers offer hope and optimism towards wellbeing and a better future. The authentic experience of 'those who've been there' is credible and influential expert knowledge. It allows for social connection and understanding.

Access

Participation for the family/friends/support people or carer of people with a psychiatric disability offers hope in which the group addresses a common issue experienced by all.

Outcomes

Improved wellbeing of the family/friends/support people or carers, by increased knowledge and understanding of mental illness, confidence and ability to develop supportive social networks, better understanding of respite, recovery, early intervention and relapse planning.

Collaboration

Community managed mental health services, community health services, other community services (housing, vocational, drug and alcohol) and carer organisations.

EXHIBIT 233

DBK.500.002.0785 NMHSPF: Service Element and Activity Descriptions

Service Activity – Group Based Peer Work - Staffing Profiles

Group Based Peer Work – Moderate

Summary of Staffing Profile for Group Based Peer Work - Moderate

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Consumer Service Delivery hours available annual	Available	Weighted Salary **	Cost	FTE share	Overheads %
NMHSPF	TOTAL	1.85		12.16	6.51	2,378	1,287	#DIV/0!	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	1.5	0.25	34	19	18			100	0%	20%
NMSPF	Peer Worker	1.85	0.25	8.69	6.51	2,378	1,287	62,234	115,016	100%	20%
NMHSPF	Tertiary Qualified	12	0.35	1.0	-	-		#DIV/01		0%	20%
NMHSPF	Medical		0.25		- 8-				-	0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost		O'heads %
NMHR	Total Medical	-		4	-6	-	-		\$0	0%	20%
NMHR	Psychiatrist	4	0.25	- 8	-				so	0%	20%
NMHR	Registrar	8	0,25		2				\$0	0%	20%
NMHR	Junior Medical Officer		0.25	1.8	(3)	1.	4		SO	0%	20%
NMHR	Other Medical Specialis	-	0.25	-	- 2	- 2			SO	0%	20%
NMHR	Total Nursing	-	_				-		\$0	0%	20%
NMHR	Registered Nurse		0.25		1.2	-	- 1		SO	0%	20%
NMHR	Nurse Practitioner	300	0.25	- 3	-		-		\$0	0%	20%
NMHR	Enrolled Nurse	12	0.25			- 2			50	0%	20%
NMHR	Total Allied Health	-				-	-		\$0	0%	20%
NMHR	Psychologist	30	0.30	1.3	-	-			\$0	0%	20%
NMHR	Social Worker		0.30	-		-			\$0	0%	20%
NMHR	Occupational Therapist	1 100	0.30	1.8	1 = 1	-			50	0%	20%
NMHR	Other TQ (eg pharmacis	-	0.70	4					\$0	0%	20%
NMHR	VQ and Peer Workers	1.85		8.69	6.51	2,378	1,287		\$115,016	100%	20%
NMHR	Consumer Peer Worker	1.85	0.25	8.69	6.51	2,378	1,287	\$62,234	\$115,016	100%	20%
NMHR	Carer Peer Worker	-	0.25	- 6		-			\$0	0%	20%
NMHR	VQMH Worker	6	0.20	1 9	1.0	-			\$0	0%	20%
NMHR	VQ Other	-	0.30	1-	-	-	-		SO	0%	20%

2377.71

Total Available Hours

\$115,016

* Including Overheads 20.0%

Annual Cost Salaries

\$138,019

Version AUS V1 October 2013 TRIM Ref: H12/35030 166 Information from Care Package

Hours Per Annum for an individual 220 Particpitants per service Provider Total Target Population for care pa 2,250 Total Hours Req per Annum 82,500

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical		#DIV/0!		#DIV/0!
NMHR	Psychiatrist	-	#DIV/0!	\$0	#DIV/0!
NMHR	Registrar	- 21	#DIV/0!	\$0	#DIV/0!
NMHR	Junior Medical Officer		#DIV/0!	\$0	#DIV/0!
NMHR	Other Specialist		#DIV/0!	\$0	#DIV/0!
NMHR	Total Nursing		#DIV/0!		#DIV/0!
NMHR	Registered Nurse		#DIV/0!	\$0	#DIV/0!
NMHR	Nurse Practitioner		#DIV/0!	\$0	#DIV/0!
NMHR	Enrolled Nurse		#DIV/0!	\$0	#DIV/0!
NMHR	Total Allied Health		#DIV/0!		#DIV/0!
NMHR	Psychologists	-	#DIV/0!	\$0	#DIV/0!
NMHR	Social Workers	1.0	#DIV/01	\$0	#DIV/0!
NMHR	Occupational Therapist	(4)	#DIV/01	\$0	#DIV/0!
NMHR	Other		#DIV/0!	\$0	#DIV/0!
NMHR	VQ and Peer Workers	13,750	10.69		#DIV/0!
NMHR	Consumer Peer Worker	13,750	10.69	\$62,234	\$665,121
NMHR	Carer Peer Worker	9.9	#DIV/0!	\$0	#DIV/0!
NMHR	VQMH Worker	-	#DIV/0!	\$0	#DIV/0!
NMHR	VQ Other	1 - 3 .	#DIV/01	\$0	#DIV/0!

Total FTE #DIV/0! FTE/Client #DIV/0! Case load..clients/FTE #DIV/0! **Annual Cost Salaries** #DIV/0! #DIV/0! * Including Overheads 20.0%

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Des	scription	Director	CNC/NUM/NE	CN	FIN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health Total	Consumer Peer Worker SCHADS L4	Carer peer Worker	VQ MHWorker	VQ Other	VQ Total	
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se Weekly I		38	38	38	38	38	38 Hrs	38	Worked	40	40	40	40	Worked	38 Hrs	38	38	38	Worked	38	38	38	38	Worked	1
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^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

Variable inputs

Variable Inputs

Comments:

Profile developed by the Consumer and Carer Reference Group at their meeting on 10/04/13

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

DBK.500.002.0787

NMHSPF: Service Element and Activity Descriptions

Group Based Peer Work – Severe

Summary of Staffing Profile for Group Based Peer Work - Severe

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Consumer Service Delivery hours available annual	Available	Weighted Salary **	Cost	FTE share	Overheads %
NMHSPF	TOTAL	2.31		15.20	8.14	2,972	1,287	#DIV/0!	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	-	0.25	-	1.0	14-1		- 0	-	0%	20%
NMSPF	Peer Worker	2.31	0.25	10.86	8.14	2,972	1,287	58,831	135,907	100%	20%
NMHSPF	Tertiary Qualified	4.0	0.35	100	-	2.7		#DIV/0!	121	0%	20%
NMHSPF	Medical	3-	0.25	-		- 14		-	-	0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost		O'heads %
NMHR	Total Medical				-	-			\$0	0%	20%
NMHR	Psychiatrist	۵	0.25		-		- 1		\$0	0%	20%
NMHR	Registrar	-	0.25	1	*	9	- 3		SO	0%	20%
NMHR	Junior Medical Officer	4	0.25	(2)			18		SO	0%	20%
NMHR	Other Medical Specialis		0.25	1					S0	0%	20%
NMHR	Total Nursing	-				-	-		\$0	0%	20%
NMHR	Registered Nurse	•	0.25	(-		(2)			50	0%	20%
NMHR	Nurse Practitioner		0.25	12-	-3	-14	- 6		\$0	0%	20%
NMHR	Enrolled Nurse	-	0.25	-	- 191	- 4	- 4		\$0	0%	20%
NMHR	Total Allied Health	-		-		-	-		\$0	0%	20%
NMHR	Psychologist		0.30	13-1	(3)	+			\$0	0%	20%
NMHR	Social Worker	-	0.30	-	1.50				\$0	0%	20%
NMHR	Occupational Therapist	-	0.30	3-	- 3				\$0	0%	20%
NMHR	Other TQ (eg pharmacis		0.70			-			\$0	0%	20%
NMHR	VQ and Peer Workers	2.31		10.86	8.14	2,972	1,287		\$135,907	100%	20%
NMHR	Consumer Peer Worker	2.31	0.25	10.86	8.14	2,972	1,287	\$58,831	\$135,907	100%	20%
NMHR	Carer Peer Worker	-	0.25	35	(4)	9			50	0%	20%
NMHR	VQMH Worker	7	0.20	(6)			- 2		\$0	0%	20%
NMHR	VQ Other	-	0.30	100	~	-	-		\$0	0%	20%

Annual Cost Salaries

* Including Overheads 20.0%

\$135,907 \$163,089

Version AUS V1 October 2013 TRIM Ref: H12/35030 168 Information from Care Package

Hours Per Annum for an individual 220 Particpitants per service Provider Total Target Population for care pa 2,250 Total Hours Req per Annum 165,000

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	51	#DIV/0!		#DIV/0!
NMHR	Psychiatrist	2	#DIV/0!	50	#DIV/0!
NMHR	Registrar	7	#DIV/0!	\$0	#DIV/0!
NMHR	Junior Medical Officer		#DIV/0!	\$0	#DIV/0!
NMHR	Other Specialist		#DIV/0!	\$0	#DIV/0!
NMHR	Total Nursing		#DIV/0!		#DIV/0!
NMHR	Registered Nurse	- 7	#DIV/0!	\$0	#DIV/0!
NMHR	Nurse Practitioner		#DIV/0!	50	#DIV/0!
NMHR	Enrolled Nurse	- 3-	#DIV/0!	50	#DIV/0!
NMHR	Total Allied Health		#DIV/0!		#DIV/0!
NMHR	Psychologists	-	#DIV/0!	\$0	#DIV/0!
NMHR	Social Workers		#DIV/0!	50	#DIV/0!
NMHR	Occupational Therapist	- 3	#DIV/0!	50	#DIV/0!
NMHR	Other	A -	#DIV/0!	\$0	#DIV/0!
NMHR	VQ and Peer Workers	55,000	42.75		#DIV/0!
NMHR	Consumer Peer Worker	55,000	42.75	\$58,831	\$2,514,990
NMHR	Carer Peer Worker	-	#DIV/0!	\$0	#DIV/0!
NMHR	VQMH Worker	4	#DIV/0!	\$0	#DIV/0!
NMHR	VQ Other		#DIV/0!	50	#DIV/0!

Total FTE #DIV/0! FTE/Client #DIV/0! Case load..clients/FTE #DIV/0! #D(V/0! **Annual Cost Salaries** * Including Overheads 20.0% #DIV/0!

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*Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

Variable inputs

Variable Inputs

Comments:

Relief FTE's

Annual FTE's

Profile developed by the Consumer and Carer Reference Group at their meeting on 10/04/13

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

EXHIBIT 233

NMHSPF: Service Element and Activity Descriptions

Group Based Carer Peer Work – Moderate

Summary of Staffing Profile for Group Based Carer Peer Work - Moderate

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Consumer Service Delivery hours available annual	Available hours/ann um/FTE	Weighted Salary **	Cost	FTE share	Overheads %
NMHSPF	TOTAL	1.85		12,16	6.51	2,378	1,287	#DIV/0!	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	-2	0.25	2.0	(A)	-				0%	20%
NMSPF	Peer Worker	1.85	0.25	8.69	6.51	2,378	1,287	62,234	115,016	100%	20%
NMHSPF	Tertiary Qualified	1	0.35	1	1.0			#DIV/0!		0%	20%
NMHSPF	Medical	12	0.25	-10		-				0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost		O'heads %
NMHR	Total Medical			120	- 4		-		\$0	0%	20%
NMHR	Psychiatrist	-	0.25	1		9	-		SO	0%	20%
NMHR	Registrar		0.25	-	eh.	(4	- C <u>₹</u>		\$0	0%	20%
NMHR	Junior Medical Officer		0.25	-	9.1	+	C-2		\$0	0%	20%
NMHR	Other Medical Specialis		0.25			-	15		\$0	0%	20%
NMHR	Total Nursing			-		-			\$0	0%	20%
NMHR	Registered Nurse	0.0	0.25	-	6-9		- c é		\$0	0%	20%
NMHR	Nurse Practitioner	-	0.25				- 3		50	0%	20%
NMHR	Enrolled Nurse	1.0	0.25	10.0	1.2	-			\$0	0%	20%
NMHR	Total Allied Health			-	-				\$0	0%	20%
NMHR	Psychologist		0.30		(-)				\$0	0%	20%
NMHR	Social Worker	9-1	0.30		131	-	-		50	0%	20%
NMHR	Occupational Therapist	1.	0.30	-	(2)	1.7			\$0	0%	20%
NMHR	Other TQ (eg pharmacis	5-4	0.70	1-0	-		-		\$0	0%	20%
NMHR	VQ and Peer Workers	1.85		8.69	6.51	2,378	1,287		\$115,016	100%	20%
NMHR	Consumer Peer Worker	5	0.25			3.0	- 1		\$0	0%	20%
NMHR	Carer Peer Worker	1.85	0.25	8.69	6.51	2,378	1,287	\$62,234	\$115,016	100%	20%
NMHR	VQMH Worker	000	0.20	-	-				\$0	0%	20%
NMHR	VQ Other	1	0.30	- 1		1.2	-4		\$0	0%	20%

Total Available Hours

2377.71

Annual Cost Salaries
* Including Overheads 20.0%

\$115,016 \$138,019

Version AUS V1 October 2013 TRIM Ref: H12/35030 DBK.500.002.0789

Information from Care Package

Hours Per Annum for an individual 220
Particpitants per service Provider 6
Total Target Population for care pa 2,250
Total Hours Req per Annum 82,500

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	-	#DIV/0!		#DIV/0!
NMHR	Psychiatrist	9	#DIV/0!	\$0	#DIV/0!
NMHR	Registrar		#DIV/0!	\$0	#DIV/0!
NMHR	Junior Medical Officer		#DIV/0!	\$0	#DIV/0!
NMHR	Other Specialist	100	#DIV/0!	\$0	#DIV/0!
NMHR	Total Nursing		#DIV/0!		#DIV/0!
NMHR	Registered Nurse		#DIV/0!	\$0	#DIV/0!
NMHR	Nurse Practitioner	8	#DIV/0!	\$0	#DIV/0!
NMHR	Enrolled Nurse	8	#DIV/0!	\$0	#DIV/0!
NMHR	Total Allied Health	- 8	#DIV/0!		#DIV/0!
NMHR	Psychologists		#DIV/0!	\$0	#DIV/0!
NMHR	Social Workers	- 9	#DIV/0!	\$0	#DIV/0!
NMHR	Occupational Therapist	-	#DIV/0!	\$0	#DIV/0!
NMHR	Other	6 c A./	#DIV/0!	\$0	#DIV/0!
NMHR	VQ and Peer Workers	13,750	10.69	1 1 4	#DIV/0!
NMHR	Consumer Peer Worker	1 1 3.1	#DIV/0!	\$0	#DIV/0!
NMHR	Carer Peer Worker	13,750	10.69	\$62,234	\$665,121
NMHR	VQMH Worker	1 6 1	#DIV/0!	\$0	#DIV/0!
NMHR	VQ Other	- 2	#DIV/0!	SO	#DIV/0!

Total FTE #DIV/0!

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Case load..clients/FTE #DIV/0!

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* Including Overheads 20.0% #DIV/0!

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*Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

** Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs

Variable Inputs

Comments:

Profile developed by the Consumer and Carer Reference Group at their meeting on 10/04/13 NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0791

Group Based Carer Peer Work – Severe

Summary of Staffing Profile for Group Based Carer Peer Work - Severe

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Service Delivery hours	Available hours/ann um/FTE	Weighted Salary **	Cost	FTE share	Over heads %
NMHSPF	TOTAL	2.31		15.20	8.14	2,972	1,287	#DIV/0!	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	- 3+C-	0.25		794	9.1	+			0%	20%
NMSPF	Peer Worker	2.31	0.25	10.86	8.14	2,972	1,287	58,831	135,907	100%	20%
NMHSPF	Tertiary Qualified	G	0.35	1 1	40	12	-	#DIV/0!	2	0%	20%
NMHSPF	Medical	-3	0.25	1	1.9	- L		-4:	9	0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost		O'heads %
NMHR	Total Medical						-		50	0%	20%
NMHR	Psychiatrist	G.	0.25	1 2	-	-			50	0%	20%
NMHR	Registrar	1.5	0.25	-	- 6	147	1		\$0	0%	20%
NMHR	Junior Medical Officer	15	0.25	(E)	(1)	12	¥.		\$0	0%	20%
NMHR	Other Medical Specialis	-	0.25	14	10	1.4	1		\$0	0%	20%
NMHR	Total Nursing			-	- 6	- 1	- 6		\$0	0%	20%
NMHR	Registered Nurse	-	0.25	1.7	-		T1		SO	0%	20%
NMHR	Nurse Practitioner	G.	0.25	12	-	-			50	0%	20%
NMHR	Enrolled Nurse		0.25	-	+	-			50	0%	20%
NMHR	Total Allied Health	119			-	-	-		50	0%	20%
NMHR	Psychologist		0.30	-	-	-	-		50	0%	20%
NMHR	Social Worker	-	0.30	-		11.5	8.		50	0%	20%
NMHR	Occupational Therapist	-	0.30	-	-		8		50	0%	20%
NMHR	Other TQ (eg pharmacis	->	0.70	-	-		3-5		50	0%	20%
NMHR	VQ and Peer Workers	2.31		10.86	8.14	2,972	1,287		\$135,907	100%	20%
NMHR	Consumer Peer Worker	10-1	0.25	-	-				50	0%	20%
NMHR	Carer Peer Worker	2.31	0.25	10.86	8.14	2,972	1,287	\$58,831	\$135,907	100%	20%
NMHR	VQMH Worker	3	0.20	1	4.7	2.0	1.		\$0	0%	20%
NMHR	VQ Other	- 3	0.30	- 1	1.0	1.0	1.0		50	0%	20%

Total Available Hours

2972.14

Annual Cost Salaries

\$135,907

* Including Overheads 20.0%

\$163,089

Version AUS V1 October 2013 TRIM Ref: H12/35030 172 Information from Care Package

Hours Per Annum for an individual Particpitants per service Provider Total Target Population for care pa 2,250 Total Hours Req per Annum 165,000

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	7	#DIV/0!	-	#DIV/0!
NMHR	Psychiatrist	-	#DIV/0!	50	#DIV/0!
NMHR	Registrar	1.2	#DIV/0!	.50	#DIV/0!
NMHR	Junior Medical Officer	1.2	#DIV/0!	.\$0	#DIV/0!
NMHR	Other Specialist		#DIV/0!	50	#DIV/0!
NMHR	Total Nursing		#DIV/0!		#DIV/0!
NMHR.	Registered Nurse		#DIV/0!	\$0	#DIV/0!
NMHR	Nurse Practitioner	-	#DIV/0!	\$0	#DIV/0!
NMHR	Enrolled Nurse	-	#DIV/0!	50	#DIV/0!
NMHR	Total Allied Health		#DIV/0!		#DIV/0!
NMHR	Psychologists		#DIV/0!	50	#DIV/0!
NMHR	Social Workers		#DIV/0!	50	#DIV/0!
NMHR	Occupational Therapist	-	#DIV/0!	50	#DIV/0!
NMHR	Other		#DJV/0!	50	#DIV/0!
NMHR	VQ and Peer Workers	55,000	42.75		#DIV/0!
NMHR	Consumer Peer Worker	100	#DIV/0!	50	#DIV/0!
NMHR	Carer Peer Worker	55,000	42.75	\$58,831	\$2,514,990
NMHR	VQMH Worker	4.0	#DIV/0!	.\$0	#DIV/0!
NMHR	VQ Other	14	#DIV/0!	.50	#DIV/0!

Total FTE #DIV/0! FTE/Client #DIV/0! Case load..clients/FTE #DIV/0! **Annual Cost Salaries** #DIV/0! * Including Overheads 20.0% #DIV/0!

					Nu	rsing						Medical				Δ.	Illied Healt	h		Peer Wo	orkers		Vocat Qu	al
Des	scription	Director	CNC/NUM/NE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health	Consumer Peer Worker	Carer peer Worker	VO MH Worker	VO Other	va
									Total		-			Total					Total		SCHADS L4			Total
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ase Weekly	Hours	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked
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ublic Holiday	's Worked	0	0	- 11	4:	11	11	- 11			- 41	-11	11											
roductive W	eeks per FTE	44.14	44.14	43.14	43.14	43.14	36.14	43.14	L. T	44.14	44.14	44.14	44.14	J _	45.14	45.14	45.14	45.1	4	45.14	45.14	45.14	45.14	
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*Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

** Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs

Variable Inputs

Comments:

Profile developed by the Consumer and Carer

Reference Group at their meeting on 10/04/13

2.2.2 Service Category - Individual Support and Rehabilitation Services

Descriptor

"Recovery ...is best described as a process, sometimes lifelong, defined and led by the person with a mental illness or disorder, through which they achieve independence, self-esteem and a meaningful life in the community." Recovery and rehabilitation are different concepts although rehabilitation approaches can be seen to increasingly incorporate a recovery philosophy" (Martin, 2008; 10).

Includes personalised support and psychosocial rehabilitation provided on an individual basis. Functions might include:

- Assessment (priorities, values, strengths, needs)
- · Goal setting and planning,
- Strategies such as skill development, coaching/supporting, counselling, co-ordination of services, building
 personal and community resources (e.g. maintaining and developing relationships, access to
 opportunities).
- Support to access community transport, domestic support services, vocational, recreational and health management activities

The service provided occurs in the context of outreach to the appropriate setting (e.g home, work, school, shopping centre) and may or may not be linked to an individuals' accommodation.

Personalised Support and rehabilitation is fundamentally a non-clinical service that is performed by appropriately qualified workers (which may include having lived experience) generally working in the community environment.

Distinguishing Features

Key distinguishing attributes would be services that are:

- Tailored to the individual in their focus of care and intensity of support;
- Provided by suitably qualified service providers
- Services provided are generally outside the scope of the specialised clinical ambulatory services;
- May or may not be linked to the provision of accommodation.

Inclusions

Services included in this element are summarised as follows (Siskind et al, 2012):

- Living Skills aim to improve the day to day functioning of individuals through side by side instruction, role-modelling, corrective feedback and positive reinforcement (Eg. Shopping, cooking, budgeting, personal hygiene, public transport)
- Therapeutic Services includes psychological education, family therapy, grief therapy, mediation, well-being and relapse prevention programs.
- Social Inclusion includes support in engaging in communities of meaning and choice, such as engaging
 in community activities and events, peer based activities, study, work, recreation, music, art, physical
 activities and accessing health management/GP care.
- Early Intervention intensive outreach and assertive psychosocial support to people in crisis with an aim to avoid hospitalisation. Aims to provide extra support to resolve psychosocial stressors and promote resilience and symptom management through appropriate use of medication and other strategies.
- Psychosocial rehabilitation range of support and skill development activities oriented towards empowerment, recovery and individual capacity.
- Emotional support aims to assist people in addressing acute and ongoing psychosocial challenges through activities including befriending, listening, providing practical problem solving and management of stressors.
- Advocacy is to build capacity in a person to advocate on their own behalf or speaking, acting or writing
 on behalf of a person to improve their welfare.

<u>Note:</u> These services exclude carer support and brokerage (Flexible Funding Pool) as these services are incorporated under other elements, for example Group Based Carer Peer Work, Individual Carer Peer Work, Family and Carer Support, Individual Carer Support Services.

Example Services

- Personal Helpers and Mentors Service (PHaMS)
- Home Based Outreach Support (HBOS) Victoria
- Individual Psychosocial Rehabilitation and Support Services (IPRSS) SA.
- Housing and Accommodation Support Initiative (HASI) NSW
- Housing and Support Program (HASP) Qld
- Housing and Accommodation Support Partnership (HASP) Program SA
- Individualised Community Living Strategy (ICLS) WA.
- Resource and Recovery Support Program, NSW
- Vocation, Education, Training, Employment (NSW)
- Individual Placement and Support/ Open Employment/Supported Employment Programs (Victoria, QLD, ACT)

Taxonomy

- Individual Support and Rehabilitation
- Individual Peer Work

References

Siskind, D., Harris, M., Pirkis, J., and Whiteford, H. (2012) "Personalised support delivered by support workers for people with severe and persistent mental illness: a systematic review of patient outcomes." *Epidemiology and Psychiatric Sciences*, 21, 97-110

AlHW Non-Government Organisation Establishment (NGOE) National Minimum Dataset (NMDS) Service Taxonomy (draft April 2012)

2.2.2.1 Service Element - Individual Support and Rehabilitation

Attribute	Details
Services Delivered	Includes individual support services provided to the person wherever they are living, this can include people who are homeless. Examples of services delivered are:
	 assist people to self-manage their own recovery and build on their interests, aspirations and strengths to live full and active lives develop skills to improve competence and confidence in community living improve health and well-being improve independence and resilience prevent relapse and limit severity of any crisis engage the person with desired community and social activities reduce social and physical dislocation by assisting people to sustain suitable housing and to develop improved social relationships increase opportunities to participate in the workforce reduce demand on acute and emergency services.
	Rehabilitation at its most basic form refers to assisting a person to build or rebuild skills that enable them to engage in their lives more independently. Anthony and Farkas are quite specific about all workers having an understanding and knowledge of rehabilitation.
	"Regardless of the discipline or background of the practitioner, the source of funding or the setting in which people are working, people who help people with severe mental illnesses improve their functioning and gain valued roles in the community should be aware of the essentials of the psychiatric rehabilitation process, its program models and the principles underlying its practice."
	The services may be delivered in partnership between clinical and non clinical staff. Rehabilitation specialists with clinical training and experience provide individually tailored rehabilitation assessments, interventions and services. They are likely to have undergone post graduate study and training to develop their expertise. Some of the services that clinicians may deliver are summarised below: OTs
	 Functional assessment (independent living skills, functional cognition, social skills) Assessment of motivation, routines, roles, skills and environment Assessment of community support needs Sensory processing / Modulation Task analysis Graded skills acquisition interventions
	Clinical Psychology O Provision of specialised evidence-based therapies for specific illnesses in individual and / or group based formats Vocationally trained staff
2AFT IAC	 Provide practical rehabilitation interventions in their everyday work that aim to support the person to regain skills, independence and self-determination. They are likely to have undergone rehabilitation specific training and engage in supervision with a focus on rehabilitation.
*	(Anthony W, Farkas M. (2012) <i>The Essential Guide to Psychiatric Rehabilitation Practice</i> . Boston: Boston University Center for Psychiatric Rehabilitation, Boston)
Key	Individual support is delivered to people wherever they are living.
Distinguishing Features	Rehabilitation needs to be distinguished from support. Both activities usually happen at the same time with a coordinated approach by workers, however rehabilitation is goal focussed and often time limited (ie once the person has built or rebuilt the skill/s required then either another skill or set of skills is targeted or rehabilitation is no longer required).
	Can occur in a wide variety of settings eg in the person's home, in the community, in

	residential facilities of	r in inpatient facilities.		
Service specifica		ul descriptors to illustr		
Intensity	LOW	MEDIUM	HIGH	INTENSIVE
Target Age:	16 +	16 +	16 +	16 +
Diagnostic Profile	Have a diagnosed mental illness and experience mild to moderate level of psychosocial disability. Require assistance in one domain	Have a diagnosed severe mental illness and experiencing moderate to severe level of psychosocial disability Require assistance in 1 – 2 domains	Have a diagnosed severe mental illness and experiencing moderate to severe level of psychosocial disability. Require assistance in more than 2 domains	Have a diagnosed severe mental illness and experiencing moderate to severe level of psychosocial disability. Require intensive assistance in more than 2 domains
Suggested Mode	lling Attributes			
Avg contact hours per individual support activity (timeframe)	Individual Support and rehabilitation – Low 1 hour/week (1 to 12 weeks) Individual Advocacy – Low-Medium 1-4 hours/week (1 to 12 weeks)	Individual support and rehabilitation — Medium 1-4 hours/day (2 weeks to lifetime) Emotional support — Medium 1-4 hours/day (2 weeks +) Social Inclusion— Medium 1- 4 hours/day (1 to 12 weeks)	Early intervention — High 4-24 hours/day (2 weeks to 3 months)	
Avg contact hours per rehabilitation activity	1.5 hours (one weekly session)	6 hours (1.5 X 4 times) per week	12 hours (1.5 X 8 times) per week	21 hours (1.5 session twice a day, 7 days)/week
Avg contact hours per activity re housing	2.5 hours per week (range is 1 – 4 hours/week)	8 hours per week (range is 5 – 12 hours per week)	16 hrs / week	28 hrs / week
Hours – individual support	Predominantly business hours, some weekend (<15%)	70% business hours 30 % after hours / weekend	75% business hours 25% after hours / weekend hours	50% business hours 50% after hours / weekend hours
Hours – Individual Rehabilitation	Business hours	75% business hours 25% after hours / weekend hours	75% business hours 25% after hours / weekend hours	50% business hours 50% after hours / weekend hours
Workforce Workforce Type	SCHADS Award Level	Hours worked	Proportion of Business hours and After Hours	Estimated % of Direct Care
Tertiary Qualified	Level 6	0.4 FTE	Business hours only	30% Direct Care
Vocational Qual	Level 5	2.0 FTE	60% BH and 40% AH	70% Direct Care
Vocational Qual	Level 3-4	6.0 FTE	60% BH and 40% AH	70% Direct Care
Evidence Base				
Level of				
			İ	1

EXHIBIT 233

DBK.500.002.0797 NMHSPF: Service Element and Activity Descriptions

Evidence:		
Key Reference:		
Limitations of Evidence:		
Recommendati ons for future research:		

Service Activity – Individual Support and Rehab linked to accessing and maintaining safe and secure housing including practical skills for maintaining a home and living well

General description

Individual support and rehabilitation services provided specifically towards a person's personal goals of the establishment and maintenance of safe, affordable and secure housing.

The concept of safe, affordable and secure housing encompasses

- Sustainability (security) of tenure or ownership of a dwelling suitable to the needs of the individual/ family/ friend/ support people or carers.
- Financial security through affordable rental or mortgage repayments, budgeting and ongoing ability to pay household bills, including during periods of unwellness
- Physical safety and security through well-maintained property and access to support for managing
- Environmental safety and security through social and cultural acceptance and access to neighbourhood facilities.

The services are provided on a one-to-one basis, and may be provided as in-reach for individuals stepping down from residential care, or as community outreach, assisting an individual to maintain or change their housing circumstances (eg. Individuals living with family members or group accommodation, homeless individuals or for those living independently and are at risk of becoming homeless). Mental health services may provide housing support services themselves or connect individuals with the services provided by others for accessing and maintaining housing.

Housing linked support may also include:

- Coordinated housing and support
- Cluster housing programs
- Long term supported housing

Critical factors to succeed in housing includes the availability of safe, affordable housing, effectively engaging the housing market, maintaining personal wellness, adequate income, housekeeping and budget management skills, the provision of adequate transport and being able to successfully navigate the individual's neighbourhood and access services as required.

Information Gathering

Psychosocial needs assessment and functional assessment identifying housing needs, support available, personal strengths and areas for development. Also includes the provision of information that identifies different housing options and outlines access issues.

Planning

Development of a person centred recovery plan inclusive of support networks driven by the person that identifies housing goals, referral pathways, housing providers, resource options and advocates as appropriate and associated skill development and action required.

Action

As per the recovery plan, support the individual in establishing and maintaining housing arrangements including:

- Resources: Establish financial resources, legal and tenancy support, practical support (both personally and in relation to property maintenance) and processes to support skill development. Engaging assertively with the housing market is critical to establishing safe, affordable and secure housing. Particularly in the context of liaising/networking and following up on commitments made, supporting accommodation hunting and development of the housing application. Also support the individual to access public housing tenancy support officers and rental assistance schemes, or assist with the installation of security devices, advancing or assisting with bond money and relocating costs.
- Skill Development (including Rehabilitation Focus): Develop skills to improve competence and confidence in community living, particularly in relation to managing tenancy matters.
- Social/Cultural Context: Ensure housing allocation is safe and appropriate to personal and cultural circumstances. Address stigma in the social environment. Provide flexible support tailored to individual need to promote the likelihood of successful housing arrangements.
- Health and Wellbeing: Improve independence and resilience and ensure appropriate support is provided to maintain a healthy home environment.

Outcomes

Stability of housing and individual housing goals are met along with critical success factors for maintaining that housing.

Collaboration

Individual/ family/ friends/ support people and carers, housing providers, income support or management, mental and general health clinical and community support services, financial brokers, tribunals and other social, health and community opportunities.

Need to establish mental health support positions dedicated to housing issues to enhance secure housing outcomes and enhance intersectoral links, particularly between mental health, generic and dedicated housing and other social support services.

<u>Note:</u> This service excludes carer support as it is incorporated under another service activity: Individual Carer Support linked to accessing and maintaining safe and secure housing including practical skills for maintaining a home and living well

Description Source: TBA.

Service Activity – Individual Support and Rehab linked to early childhood, education and/or employment

General description

Individual support and rehabilitation services provided specifically towards a person's personal goals towards education and or employment. The services are provided on a one-to-one basis, and generally target the functions of accessing and supporting education and employment opportunities rather than providing the education and employment services themselves.

Information Gathering

Psychosocial needs assessment and functional assessment identifying education and employment targets, motivation to work and/or study, self-identified support needs, support available, personal strengths and areas for development. Also includes the provision of information that identifies different education/employment options and outlines access issues.

Planning

"Development of a person-centred recovery plan driven by the consumer that identifies education and/or employment goals, referral pathways, service providers, resource options and advocates as appropriate and associated skill development and action required. Particularly need to consider the long term of positive effects of supporting individuals back into school, which further supports post-secondary study and subsequent employment opportunities" (McLaren, K (2004) Work in Practice – Best practice employment support services for people with mental illness, NZ).

Action

As per the person centred recovery plan inclusive of support networks, support the person in accessing and maintaining education and employment through the following activity:

- Resources: Provide career counselling and assistance in course selection and enrolment
 procedures, linking to disability liaison or counselling services as required. (VETE)Establish financial
 counselling and access to financial support, transport services and employment/education practical
 support. Engage assertively with the employment and education providers to ensure a flexible and
 supportive environment is established. Ensure mental health staff respond flexibly to the needs and
 availability of the individual around their work/education commitments and pressures. Regular review
 meetings with the person and both mental health and employment and/or education services.
- Skill Development (including Rehabilitation Focus): Preventing relapse and coping with
 work/education pressures. Establishing effective employment or study strategies early in the illness
 trajectory may have life-long impact on employment outcomes, preventing secondary disability and
 associated economic and social costs. Providing a specialist VETE service ensures employment and
 education remain a high priority when other issues required addressing by the care coordinator (eg
 decline in mental or physical health). (VETE)
- Social/Cultural Context: Address stigma in the work/education environment. Provide flexible support tailored to individual need, tutoring and flexible delivery of education courses or employment arrangements promotes the likelihood of success. (VETE)
- Health and Wellbeing: Close links and integration with care coordination services, primary care, crisis intervention and accommodation issues will support the stability of health without detracting from progressing the vocational and educational goals of the individual. (VETE)

Outcomes

Completion of studies or vocational training. Participation in supported or open employment, independent income, sustained or stable involvement in employment and education.

Collaboration

Consider dedicating a combined caseload to 2-3 employment specialists to foster continuity to people. Foster a close working relationship with income support services and Job Capacity Assessors to ensure referrals to employment services are processed appropriately. Need to establish mental health clinical and support positions dedicated to vocational and educational issues to enhance employment and educational outcomes. Enhanced intersectoral links, particularly between mental health, generic employment and education services (eg. Resume production, course content information), Disability Employment Services, TAFE, Universities and other social support services.

A dedicated VETE specialist could carry a caseload of 25-30 individuals at any one time.

[VETE Report: Avg length of time to obtain employment was 14 weeks, Avg length of time in employment was 20 weeks, Avg hours worked per week was 22 hours and Avg rate of pay was \$15.74 per hour]

Frost, B., Morris, A., Sherring, J. and Robson, E. (2008) Vocational Education, Training and Employment (VETE) Pilot Project Report – Psychiatric Rehabilitation Services 2006-2007, NSW Health, Sydney.

Note: This service excludes carer support as it is incorporated under another service activity: Individual Carer Support linked to education and employment

Service Activity – Individual Support and Rehab linked to enhanced relationships and social participation

General description

Working with the person to identify and develop interests. Work with the person to access activities within the community to participate in. Working with the person to identify relationships which are important to them and work on developing, maintaining and growing those relationships.

Information Gathering

Identify with the person what their interests are and identify what is available in the community. Identifying with the individual/ family/ friends/ support people or carers who may be available to assist with accessing and participating in community activities.

Planning

Working with the person to develop a person centred recovery plan Inclusive of support networks which involves developing the skills to find, access and participate in community activities. Assisting the person to plan every aspect of participation in social activities, this will involve identifying the resources and skill development required.

Action:

As per the person centred recovery plan inclusive of support networks

- Resources: establish financial resources in order to assist with funding community activities or
 access to community activities. Identify and establish support to access and engage in community
 activities eg transport, travel skill development etc. Identify support people to assist with community
 integration and participation (may include workers).
- Skill Development (including Rehabilitation Focus): identify and develop skills required to access and participate in community activities eg ability to catch the bus, social presentation and skills.
- Social/Cultural Context: ensure activities planned as socially and culturally appropriate and safe for person.

 Health and Wellbeing: ensure that activities planned will assist with development of improved health and well being.

Outcomes

Increasing social participation and community engagement in order to meet goals connected to social inclusion.

Collaboration

Individual/ family/ friend/ support people and carers, organisations providing courses and activities, educational and vocational providers, community organisations, non government organisations

<u>Note:</u> This service excludes carer support as it is incorporated under another service activity: Individual Carer Support linked to enhanced relationships and social participation

Service Activity - Individual Support and Rehab linked to health management services

General description

Assisting a person to improve or maintain his or her health or wellness. People with serious mental illness experience a life expectancy 25 years less than the general population – this is mainly due to physical health issues related to smoking, obesity and lack of physical activity. (Joe Parks research "25 years too late" http://www.abc.net.au/rampup/articles/2012/09/10/3586516.htm). It needs to be noted that not all people with a serious mental illness experience issues related to smoking, lack of physical exercise or obesity and therefore not all people will require support and / or skills building in these areas. Actively seeking or establishing strategies and activities that promote good health and wellbeing. Examples might include regular physical health assessment and treatment as appropriate, massage and other forms of relaxation activities, counselling and peer support, recreational activities, skill development in health practices (e.g. Cooking, cleaning, fitness).

Information Gathering

Engaging the participant in a relationship to develop a plan for health management. Assessing health status (including physical and mental health) and barriers and enablers for good health. Includes review of physical and mental health needs, thorough history and review of medication (both physical and otherwise). Collation of physical and dental health contacts and connection to these services. Assess readiness for change and skills connected with coping, health management, menu planning, shopping, cooking and fitness. Assessing readiness to engage in quit smoking initiatives (where applicable)

Planning

Prioritise and set health and wellness goals by formulating a health and wellness plan, that is driven by the participant with support in the planning process.

Action

Support the individual in developing healthy behaviours and support access and use of resources as appropriate:

- Resources: Nicotine replacement therapy, brokerage funds (Eg. to assist in accessing gym memberships or exercise clothes), respite and/or personal support services,
- Skill Development (including Rehabilitation Focus): Support the individual in building skills in healthy
 practices and overall health management and to engage or disengage in activities which assist in
 improving health. Development of insight to avoid neglecting personal health and to establish and
 maintain positive coping strategies.
- Social/Cultural Context: Utilising support and respite services as required to maintain and promote social relationships in work, education and social/cultural environments.

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0802

Health and Wellbeing: As above.

Outcomes

Better life expectancy stats – people with serious mental illness having decreased rates of smoking, obesity and increased rates of physical exercise – lower rates of cardiovascular disease, respiratory disease etc, lower rates of hospitalisation, presentation to EDs for physical health issues etc.

Collaboration

General Practice and other health services, community health management organisations (Eg. Gyms, swimming pools, weight management services, smoking cessation services), other recreational, educational and vocational services and mental health care and related support services.

<u>Note:</u> This service excludes carer support as it is incorporated under another service activity: Individual Carer Support linked to health management

Service Activity - Individual support and Rehab linked to Community Aged Care

Includes individual support services provided to the aged person wherever they are living, this can include people who are homeless.

Service Activity - Flexible Funding Pool - Consumer

Goods and/or services which are procured on behalf of the person to purchase additional assistance that is not within the practice of the mental health sector. The goods and/or services are provided as part of the person's individual support plan and are related to a goal within the individual support plan. Examples are listed below. Brokerage funds may be part of or separate to the overall funding of the support "package".

Household – For example: buying cleaning equipment, replacing a fridge etc

Activities of Daily Living: For example: paying or helping to pay for a cleaner (either episodic or regularly), paying for driving lessons or bus tickets,

<u>Membership / exercise</u>: For example: entry to swimming pools, gym membership, exercise clothes (such as swimmers), club fees for sports club.

<u>Recreational:</u> For example: art lessons, books for a book club, supplies for a craft group. <u>Vocational / Training:</u> For example: materials or transport to training/ vocational group, clothes for work opportunity.

Other: Expenses that don't fall into the preceding categories.

Note: This service excludes carer support as it is incorporated under another service activity:

Flexible Funding Pool - Carer

DBK.500.002.0803

NMHSPF: Service Element and Activity Descriptions

Service Activity - Individual support and Rehab - Staffing Profile

Summary of Staffing Profile for Individual Support and Rehabilitation

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Consumer Service Delivery hours available annual	Available hours/ann um/FTE	Weighted Salary **	Cost	FTE share	Overheads %
NMHSPF	TOTAL	9.70		63.84	31.05	11,334	1,168	#DIV/0!	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	9.24	0.28	43.43	30.40	11,096	1,201	48,523	448,378	95%	20%
NMSPF	Peer Worker	- 6	0.25	-	-	-	0.00	#DIV/0!		0%	20%
NMHSPF	Tertiary Qualified	0.46	0.35	2.17	0.65	238	515			5%	20%
NMHSPF	Medical	-	0.25	1.5	19	- 1.9		1/9	-	0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost		O'heads %
NMHR	Total Medical	P		TI.	1A	1,2	- 1-		50	0%	20%
NMHR	Psychiatrist	-	0.25	-	-	-	-		50	0%	20%
NMHR	Registrar	- 8	0.25	-	-		-		50	0%	20%
NMHR	Junior Medical Officer	-	0.25	-	-	-	-		50	0%	20%
NMHR	Other Medical Specialis	- 43	0.25	+	-	-	-		50	0%	20%
NMHR	Total Nursing								50	0%	20%
NMHR	Registered Nurse	-	0.25	11-20	-		- 1		50	0%	20%
NMHR	Nurse Practitioner	8	0.25	1G	11.5		9		50	0%	20%
NMHR	Enrolled Nurse	\P	0.25	- 0	1	- 2	· ·		50	0%	20%
NMHR	Total Allied Health	0.46		2,17	0.65	238	515		\$26,110	5%	20%
NMHR	Psychologist	6	0.30		1.5		-		50	0%	20%
NMHR	Social Worker		0.30	-	-	-	-		50	0%	20%
NMHR	Occupational Therapist	13	0.30	(i-	-	-	4-1		50	0%	20%
NMHR	Other TQ (eg pharmaci.	0.46	0.70	2.17	0.65	238	515	\$56,511	\$26,110	5%	20%
NMHR	VQ and Peer Workers	9.24		43.43	30,40	11,096	1,201		\$470,797	95%	20%
NMHR	Consumer Peer Worker		0.25	1 5	-		180		50	0%	20%
NMHR	Carer Peer Worker	8.	0.25	-	-				\$0	0%	20%
NMHR	VQMH Worker	6.93	0.30	32.57	22.80	8,322	1,201	\$48,370	\$335,223	71%	20%
NMHR	VQ Other	2.31	0.30	10.86	7.60	2,774	1,201	\$58,686	\$135,574	24%	20%

Total Available Hours

11333.77

Annual Cost Salaries

\$496,907

* Including Overheads 20.0%

\$596,288

Version AUS V1 October 2013 TRIM Ref: H12/35030

Information from Care Package

Hours Per Annum for an individual 1
Total Target Population for care pa 1

Total Hours Req per Annum

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	- P	#DIV/0!		#DIV/0!
NMHR	Psychiatrist		#DIV/0!	\$0	#DIV/0!
NMHR	Registrar		#DIV/0!	.\$0	#DIV/0!
NMHR	Junior Medical Officer	100	#DIV/0!	\$0	#DIV/0!
NMHR	Other Specialist		#DIV/0!	\$0	#DIV/0!
NMHR	Total Nursing		#DIV/0!		#DIV/0!
NMHR	Registered Nurse	(C+)	#DIV/0!	\$0	#DIV/0!
NMHR	Nurse Practitioner	8	#DIV/0!	\$0	#DIV/0!
NMHR	Enrolled Nurse	C 2 2 e.J	#DIV/0!	\$0	#DIV/0!
NMHR	Total Allied Health	0	0.00		#DIV/0!
NMHR	Psychologists	× (#DIV/0!	\$0	#DIV/0!
NMHR	Social Workers	-	#DIV/0!	\$0	#DIV/0!
NMHR	Occupational Therapist	-	#DIV/0!	\$0	#DIV/0!
NMHR	Other	0	0.00	\$56,511	\$2
NMHR	VQ and Peer Workers	1	0.00		#DIV/0!
NMHR	Consumer Peer Worker	7 1 1 2 7	#DIV/0!	\$0	#DIV/0!
NMHR	Carer Peer Worker	8	#DIV/0!	50	#DIV/0!
NMHR	VQMH Worker	1	0.00	\$48,370	\$30
NMHR	VQ Other	0	0.00	\$58,686	512

Total FTE #DIV/0!

FTE/Client #DIV/0!

Case load..clients/FTE #DIV/0!

Annual Cost Salaries #DIV/0!

* Including Overheads 20.0% #DIV/0!

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ase Weekly	Unire	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked	
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	Evening.	-							_					-					- 7			13.2	4.8	18.0	1 10
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nual & Othe	er Leave Relief wee	ks																7		7		7 7	7		
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ekly FTE's													1 1					0.4	0.4			6.0	2.0	8.0	1
																		0.1				0.9	0.3	1.2	
eller FTE's			-	-					- 3		-	5		- 5			- 1	0.1	- 25		- 5-	6.9	2.3	9.2	
nnual FTE's																			0.5		7+	6.9			4

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

Variable inputs

Variable Inputs

Comments:

Support from sector indicated. Feedback indicated a need for more after hours time to include capacity

for overnight care. Amended to 60% BH and 40% AH.

Feedback also that program manager/team leader role should be limited to SCHADS Level 6 as per

roles defined in the NSW SACS/SCHADS document.

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.2.2.2 Service Element – Individual Peer Work

Attribute	Details
Description	Individually oriented services that are led and self managed by peer workers, that share a common interest, share lived experiences with the participants. Includes services that aim to empower and support individuals/ family/ friends support people and carers by sharing life experiences with people who have similar experiences and to help develop support networks for crisis situations. These services have a mental health promotion and prevention function through 'wellbeing' benefit. Includes individual self help or individualised peer support services.
	The components of effective supporting programs includes:
	 The agency having structures and procedures to maintain the support program. Eg. Agency support for the coordinator, regular monitoring/reinforcing agency guidelines by coordinator for support person (being a role model for the person with mental illness by demonstrating consistency, reliability, interest, engagement, availability and responsiveness); The person with mental illness and the support person are matched on the basis of shared experience. Eg. Caregiver status; gender and relationship to care recipient; language, culture and ethnicity; or characteristics of the person cared for; The support person is selected for the program and paired with an person with mental illness based upon having more experience than the person with mental illness; There are various group formats that can be used; where there are multiple support persons (business models), multiple people with mental illness (eg. Education) or where a group of person with mental illness – support person dyads meet regularly (eg. School context); The act of supporting can be that of supporter, consultant, trainer, a reflective process, observing and giving feedback, buddy and tutor, listener; Meetings between person with mental illness and support person can be face-to-face, telephone-based, in-home, involve structured activities, tailored to individual needs, and the person with mental illness following support person doing normal day-to-day activities; and A resource library, website of person with mental illness/support person
	participants. A dedicated meeting place provided by the agency where they can feel safe, welcome and understood.
705	Therefore, a carer peer support program should include:
THE CO	 Monitoring of program implementation and during the running of the program (keeping in touch with persons with mental illness – support persons); Screening of prospective support persons (expectations, place in one's
20%	 caring journey) Matching of person with mental illness – support person pairs (gender, residential area, relationship to person with the mental illness and type of
	 illness); Support person training (initially and ongoing) in mental health issues and peer support training; Offering peer support for carer support persons (support person peer support group, for debriefing, for training refresher/updates).
	Cassar Bartolo, K and Sanders, F. (2008) Carer Involvement Project Gathering Lived Experience Phase 1, ARAFEMI, Victoria.

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0806

Fundamental Attributes	(Note that the organisation providing	the service <u>must be delivered</u> by a peer worker the service may or may not be a peer operated edominantly focused on individual support.
Service specification	s and suggested modelling attribute	es
Activities:	Individual Consumer Peer Work	Individual Carer Peer Work
Target Age:	18-64yrs	Carers may need social emotional support coupled with education, knowledge and friendships due to the ongoing demands placed on their own health and wellbeing. Groups should be" founded on the key principles of respect, shared responsibility and mutual agreement of what is helpful" (Mead, Hilton and Curtis, 2001, p.135)
Target Pop'n Profile		Services should be flexible to suit demand. Group Support Services provide opportunity for involvement activities in the general community and should be peer delivered.
Frequency of activity		
Hours of Operation and Proportion BH and AH		CULA
Workforce	Consumer Peer Workers	Carer Peer Workers
Evidence Base		
Level of Evidence:	HOTFOR	Recognition and Respect – Mental Health Carers Report (2012) Sharon Lawn, Anne Smith and Kelly Hunter (Journal of Mental Health October 2008; 17(5) 498-508 Peer support for hospital avoidance and early discharge Mead, Hilton and Curtis (2001)
Key Reference:		
Limitations of Evidence:	47	
Recommendations for future research:		

Service Activity - Individual Peer Work

General description

Individual peer work for the person with mental illness.

"People with lived experience of mental illness may work in the mental health sector in a variety of roles, both paid and voluntary. Their experience may be recognised by such titles as peer support worker, peer educator, consumer consultant and others which specifically highlight the peer to peer role and its significance to the recovery of a person experiencing mental illness".

"These roles should not to be confused with the work of people with lived experience of mental illness that work in the sector in a variety of positions, and bring the benefit of their experience to their work. Not all people with lived experience choose to share that experience with their employers and/or their clients." Comment from Mental Illness Fellowship Australia, 2012.

"Peer support now can mean a range of services: from the most basic form of peer support (the informal mutual support provided by individuals on a one-to-one basis) through to Peer Specialists (trained and employed to provide support to consumers within mental health or addiction services); through to totally peer run standalone services (e.g. peer run respite services, addiction services or alternatives to hospitalisation)". Peters, J. (2010) Walk the walk and talk the talk – A summary of some peer support activities in IIMHL countries, Te Pou, NZ

For the purposes of the NMHSPF Project, Peer Support work is directed at the intended/structured form of peer support, not the incidental/informal mutual support that might occur between individuals.

Information Gathering

Psychosocial and functional needs assessment to identify opportunities for peer support and supporting (mentoring).

Planning

As per the person's prioritised objectives, provide information and facilitate access to individual consumer peer support services where appropriate. Consider enablers and barriers to successful outcomes and assess motivation for change.

Action

- Resources: Telephone, online and face-to-face access to information and support to reduce
 emotional and geographical isolation. Resources can be an informal sharing and/or structured
 information/psycho-education program but all peer workers and support persons should be properly
 trained and provided with regular peer led supervision.
- Skill Development (including Rehabilitation Focus): Informal support developing coping strategies, and knowledge. Assistance in working through own healing process/counselling, dealing with underlying grief and loss issues. Develop skills in self and systemic advocacy. Emotional impact of mental illness and strategies for managing everyday life, reduce social isolation.
- Social/Cultural Context: Age appropriate education about mental illness and life skills to enhance coping in children. Peer networking is a key factor to reducing social isolation and promoting emotional support.
- Health and Wellbeing: Promote strategies for coping and regular focus on healthy behaviours.

Outcomes

Longer periods of community support between hospital admissions, less re-hospitalisation, increased discharge rates from inpatient and bed based services. Promotes choice and finds optimism, role models and motivation to drive personal recovery. Mental illness is not a life sentence and people can regain hope and confidence to achieve a better life.

Collaboration

It is Important to establish links with other services and opportunities.

Service Activity – Individual Carer Peer Work

General description

"In order to be effective, a carer peer support program needs to have built into its structure and philosophy, the dual purpose of learning and support. It is recommended that a carer peer support program be properly integrated in the organisational context, with well structured policies and procedures. That is, carer mentors are properly supported by peers and coordinating staff, so that they in turn can properly support the carer mentees. It is recommended that a carer peer support program includes structured peer worker selection

TRIM Ref: H12/35030

Version AUS V1 October 2013

processes and sufficient peer support worker training. It is recommended that a carer peer mentoring program is based on national benchmarks for effective development of mentoring programs in order to coincide with existing programs. Further, that peer support/mutuality is built into the program framework". (Cassar Bartolo, K and Sanders, F. (2008) Carer Involvement Project Gathering Lived Experience Phase 1. ARAFEMI, Victoria.)

For the purposes of the NMHSPF Project, Peer Support work is directed at the intended/structured form of peer support, not the incidental/informal mutual support that might occur between individuals.

Information Gathering

Psychosocial and functional needs assessment to identify opportunities for peer support and supporting (mentoring).

Planning

As per the family/ friend/ support people or carer's prioritised objectives, provide information and facilitate access to carer peer support services where appropriate. Consider enablers and barriers to successful outcomes and assess motivation for change.

Action

- Resources: Telephone, online and face-to-face access to information and support to reduce emotional and geographical isolation. Resources can be an informal sharing and/or structured information/psycho-education program but all peer workers and support persons should be properly trained and supported through regular peer supervision.
- Skill Development (including Rehabilitation Focus): Informal support developing coping strategies, and knowledge. Assistance in working through own healing process/counselling, dealing with underlying grief and loss issues. Develop skills in self and systemic advocacy. Emotional impact of caring and strategies for managing everyday life, reduce social isolation.
- Social/Cultural Context: Age appropriate education about mental illness and life skills to enhance coping in children. Peer networking is a key factor to reducing social isolation and promoting emotional support.
- Health and Wellbeing: Promote strategies for coping and regular focus on family/ friend/ support people or carers' health and wellbeing practices.

Outcomes

Reduces stress through sharing experiences with people having similar experiences. This can increase family/ friend/ support people or carers' coping capacity, knowledge and satisfaction with support services. This in turn enhances the support person's existing skills and knowledge and encourages learning of new skills/knowledge for the person with mental illness. Opportunity to feel safe to vent emotions, validation of care giving experiences, affirmation of coping abilities, encouragement for continuing to provide care and cope with changing situations, exploration of alternative care giving arrangements, mutual support and sharing of information about community resources and coping strategies.

Toseland, Rossiter, Peak and Hill, (1990) in Cassar Bartolo, K and Sanders, F. (2008) Carer Involvement Project Gathering Lived Experience Phase 1, ARAFEMI, Victoria.

Collaboration

Important to establish links with other services and opportunities.

Cassar Bartolo, K and Sanders, F. (2008) Carer Involvement Project Gathering Lived Experience Phase 1, ARAFEMI, Victoria

2.2.3 Service Category – Other Residential Services

Descriptor

A residential mental health service is a service established in community settings that provide specialised treatment, rehabilitation or care for people affected by a mental illness or psychosocial disability.

Distinguishing Features

The service also has the following characteristics:

- Has the workforce capacity to provide specialised mental health services; and
- Employs suitably trained mental health staff to provide rehabilitation, treatment or extended care onsite:
 - To people residing on an overnight basis;
 - In a domestic-like environment;
 - Encourages the person to take responsibility for their daily living activities; and
 - Staff are on –site for a minimum of 6 hours per day and at least 50 hours per week.

Inclusions

- These services include those that employ mental health trained staff on-site 24 hours per day and other services with less intensive staffing (but the trained staff must be on site for a minimum of 6 hours a day and at least 50 hours per week).
- Residential Respite
- Crisis residential services
- Supported Hostels

Exclusions

- Note that residences occupied by admitted patients located on hospital grounds, whether on the campus of a general or stand-alone psychiatric hospital, should be counted in the category of admitted patient services and not as community based residential services;
- Services that are visited via in-reach services provided by Community Sector Organisation (CSO) staff, but where the residence is not regarded as the CSO worker's place of employment; and
- Clinical residential services

Taxonomy

Other Residential Services

Source

- National Health Data Dictionary V.15
- AIHW Non-Government Organisation Establishment (NGOE) National Minimum Dataset (NMDS) Service Taxonomy (draft April 2012)

2.2.3.1 Service Element - Residential Crisis and Respite Services

Attribute	Details			
Description	community, providing s stabilise their illness or support people or care	short term accomm for the purposes ors. Options can inc	e staffed home-like facilities in nodation where people in crist of providing respite to the fan clude crisis residential service lanned respite of up to 14 da	is can go to nily/ friend/ es where stays
	several days to a few v but may support some mental health issues. I	veeks. Respite ser clinical services de Residential respite	ential/overnight basis for shor vices are generally non-clinic epending on the need of the may also be planned or in re and their family/ friend/ supp	cal in nature, person with esponse to a
	after yourself, househor cleaning, personal hygopreparation, interview linguistically diverse ne	old management he iene), vocational a techniques), a focueeds, flexibility (sucus on family/ friend	formation about illness, recovely (shopping, cooking, budg dvice (looking for work, results on Indigenous and cultural ch as utilising the whole of-fated support people or carers (pat services available).	eting, mé Ily and mily and/or
		Capacity in Commu	ces of Victoria (VICSERV) (2 nity Mental Health Family Su	
			rks, improved self-esteem, ir d/ support people or carers.	mproved
Fundamental Attributes		es are may or may	al health care with length of s not be staffed by specialised s.	
Service specifications	s and suggested mode	elling attributes		
Activities:	Residential Crisis an	d Respite Service	es	
Target Age:	16-64 years			
Target Pop'n Profile	People with severe an	d persistent menta	l illness	
Avg Length of Stay	10 days (based on an	unpublished reviev	v of crisis residential services	s in Qld)
% Occupancy	90% +			
Hours of Operation and Proportion BH and AH	24 hours – BH 9am to	5pm – 2 staff per 5	5 beds. AH 1 staff per 5 beds	
Workforce	3.5FTE/100K as per st	affing profile		
Workforce Type	SCHADS Award Level	Hours worked	Proportion of Business hours and After Hours	Estimated % of Direct Care
Tertiary Qualified	Level 6	1.0 FTE	75% BH and 25% AH	N/A
Vocational Qual	Level 5	1.4 FTE	100% After hours	N/A
Vocational Qual	Level 3	3.0 FTE	33% BH and 67% AH	N/A
Average Unit Size and Bed rate/100K	5-10 beds per unit, 3 beds per 100K		I	l
Evidence Base				

Level of Evidence:	Level 1. – several high quality level III-1 or III-2 studies from which effects of bias and confounding can be reasonably excluded on the basis of the design and analysis.
Key Reference:	Lloyd-Evans B, Slade M, Jagielska D, Johnson S. Residential alternatives to acute psychiatric hospital admission: systematic review. Br J Psychiatry. 2009 Aug;195(2):109-17
Limitations of Evidence:	All evidence international. One evaluation of an Australian crisis residential service currently in submission to a peer reviewed journal
Recommendations for future research:	Australian randomised control trial of crisis residential services versus psychiatric hospitalisation.

Description Source:

Siskind D, Harris M, Pirkis J, Whiteford H. A domains-based Taxonomy of supported accommodation for people with severe and persistent mental illness. Soc Psychiatry Psychiatr Epidemiol. 2012a Oct 2. [Epub ahead of print]

DRAFT IN CONFIDENCE. NOT FOR CIRCULATION OF THE PROPERTY OF TH Siskind D, Harris M, Buckingham B, Pirkis J, Whiteford H. Planning estimates for the mental health

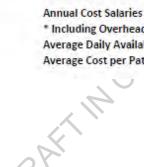
Service Element – Residential Crisis and Respite Services – Staffing Profile

Summary of Staffing Profile for Residential Crisis & Respite Services

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/	Hours/ bed (avge avail)	Total hours per annum	Tti Hrs/FTE	Weighted Salary **	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	18.71	1.25	87.94	5.86	32,099	1,715	#DIV/0!	#DIV/0!	6.5	25%
NMHSPF	Vocationally Qualified	15.25	1.02	71.66	4.78	26,155	1,715	45,842	698,959	5.3	25%
NMSPF	Peer Worker	-	+	1.5				#DIV/0!	1 - 3E.7	1	25%
NMHSPF	Tertiary Qualified	3.47	0.23	16.29	1.09	5,944	1,715	2	- F1	1.2	25%
NMHSPF	Medical	_%_	10070		- 1	G.		-	-	1-2	25%
NMHR	TOTAL	FTE	FTE/Bed	Hours/	Hours/ ABD	Total hours	Available hours/ann um/FTE	Salary **	Cost	#VALUE!	O'heads %
NMHR	Total Medical	-	0.00	0.00	0.00	7			\$0		25%
NMHR	Psychiatrist	-	-						\$0	-	25%
NMHR	Registrar	-	-	-					\$0		25%
NMHR	Junior Medical Officer			-					\$0	2	25%
NMHR	Other Medical Specialis				-				\$0	4	25%

NMHR	TOTAL	FTE	FTE/Bed	day	ABD	hours	um/FTE	Salary **	Cost	#VALUE!	O'heads %
NMHR	Total Medical	-	0.00	0.00	0.00				\$0		25%
NMHR	Psychiatrist	-		-					\$0	-	25%
NMHR	Registrar	+		-	-				\$0	-	25%
NMHB	Junior Medical Officer		+	-	-		- 3		\$0		25%
NMHB	Other Medical Specialis	- 63	+						\$0	4	25%
NMHR	Total Nursing		-	- 8	-		4-1		\$210,060	30	25%
NMHR	Registered Nurse	-	1	-	1.2		4		\$0	-	25%
NMHR	Nurse Practitioner	-	1	-	1.2		- 1		\$0	-	25%
NMHR	Enrolled Nurse		4	-	1.2				\$0		25%
NMHR	Total Allied Health	3.47	0.23	16.29	1.09	-	1		\$210,060	1.2	25%
NMHR	Psychologist	-		1-1	-				\$0		25%
NMHB	Social Worker	-		8	-		- 3		\$0	-	25%
NMHR	Occupational Therapist	-	-	-	-		-		\$0	-	25%
NMHB	Other TQ (eg pharmacis	3.47	0.23	16.29	1.09			\$60,619	\$210,060	1.2	25%
NMHR	VQ and Peer Workers	15.25	1.02	71.66	4.78	-			\$857,813	5.3	25%
NMHR	Consumer Peer Worker	-	7	6					\$0	-	25%
NMHR	Carer Peer Worker	-			7		9		\$0	1	25%
NMHR	VQMH Worker	11.78	0.79	55.37	3.69			\$53,660	\$632,209	4.1	25%
NMHR	VQ Other	3.47	0.23	16.29	1.09		7.1	\$65,105	\$225,604	1.2	25%

Annual Cost Salaries	\$1,277,933
* Including Overheads 25%	\$1,597,416
Average Daily Available Bed Day (\$291.77
Average Cost per Patient per annu	\$3,566.02



1 D. S. S. S. T. S. L. M. S. S. S. S.	
Bed Based Service Para Beds	meters 15
Availability	100%
Average Available Beds	15
ABD/Bed per Year	365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	10
Admissions/Bed per yea	32.85
Annual Readmit Rate	10%
Patients/Bed per year	29.86

Calculato	r .	
Number o	of standardised admissions per annum	
	by target population	9
Beds Red	quirred	
Cost		\$291,765
Staffing		
NMHR	Total Medical	0.
NMHR	Psychiatrist	0.
NMHR	Registrar	0.
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	0.0
NMHR	Registered Nurse	0.
NMHR	Nurse Practitioner	0.
NMHR	Enrolled Nurse	0.
NMHR	Total Allied Health	0.
NMHR	Psychologists	0.0
NMHR	Social Workers	0.
NMHR	Occupational Therapists	0.0
NMHR	Other	0.0
NMHR	VQ and Peer Workers	2.
NMHR	Consumer Peer Worker	0.
NMHR	Carer Peer Worker	0.
NMHR	VQMH Worker	2.
LAIAILIIA		

0.5 3.5

1.6

0.5

2.0

AQMHP

Total Hours

			10		Nu	irsing						Medical					Allied Hea	ilth		Peer Wo	rkers		Voc Qual	
Des	scription	Director	CNC/NUMNE	CN	BN	Enrolled Nurse	Graduate Nurse Training	Nurse Praceboner	Nursing	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health	Consumer Peer Worker	Carer peer Worker	VO MH Worker	VQ Other	VQ
									Total					Total				SCHADS L6	Total			SCHADS L3	SCHADS L5	Total
								-			V			1			-	3.0 FTE				10.2 FTE	3.0 FTE	Hours
ase Weekly	Hours	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	.38	38	38	38	Worked	38	38	38	38	Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	,	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs	
inday	Day																	17.4	17.4			11.1	3.0	14.
	Evening								-					-				1.2	1.2			10,5	2.7	13.
-	Night							1						3/				0.0				6.6	2.7	9.
iesday	Day		+						100					9				17.4	17.4	-		11.1	3.0	14.
	Evening										V		2				· ·	1.2	1.2			10.5	2.7	13.
	Night							A III	-		A S											6.6	2.7	9.
ednesday	Day								3-11					-			5	17.4	17.4			11.1	3.0	14.
	Evening		5					A			/1 1			-	-)——	1,2	1.2			10,5	2.7	13.
	Night		-												-			0.0	-			6.6	2.7	9.
ursday	Day							4	211					-			5	17.4	17.4			11.1	3.0	14.
	Evening		-			1			-		1			-				1.2	1.2			10.5	2.7	13.
	Night					15 7		W 1			No.			-	1		5		W-5-1			6,6	2.7	. 9.
kday	Day)			-		-			A						/	17.4	17.4			11.1	3.0	14.
	Evening		+			-			-					0				1.2	1.2			10.5	2.7	13.
	Night																	0.0				6.6	2.7	9.
aturday	All shifts								21					9.				10.5	10.5			123.3	36.0	159.
unday	All shifts														ļ			10.5	10.5			123.3	36.0	15
Total Ho	urs per week	-		- 3			-	-	11 6-14		F = F			-	1-1-			114.0	114		-	387.6	114.0	501.
inual & Othe	er Leave Relief wee	8	8		9	9 9	-17	9		8	8	1 8	8		h 17	7 7	7	7	5.6	7	17	7 7	7	
Call Episo	des (weighted)									9	9	-	9						5.6					
iblic Holiday	s Worked	0	10	1	1	11 11	- 11	- 11			- 11	11	11											
oductive We	eks per FTE	44.14	44.14	43.14	43.1	43.14	35.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.14	1	45.14	45.14	45.14	45.14	
ay Shift Hou	rs (Mon-Fri)	- 6				5		F >1	3 :	-	1.			-	-		-	87	87			56	15	7
ening Hours	(Mon-Frt)	- 8		-			-		1				-	- 20	1	-		6	6	-	- 5-	53	14	6
nt Hours (2	- 0		-				-	-				-							33	14	
iturday Hou	Part and the second	- ×			-			-					-				_	-11	11			123	36	15
unday Hours			2	-						1								11				123	36	15
otal Hours			1	- 0	4		1.0	1 50	31						1			114				388	114	50

Variable Inputs

Comments:

Weekly FTE's

Relief FTE's

Annual FTE's

Service element descriptions provided by
Dr D Siskind. References included.
Support from sector obtained.
Feedback from sector indicated need for a small amount of after hours for the TO to attend to medication administration or functional programs.
Feedback also that program manager/team leader role should be limited to SCHADS Level 6 as per roles defined in the NSW SACS/SCHADS document.
Respite data indicates 63% of residential respite occurs on weekends. Demand per shift approximately one third each for day, evening and night with slightly higher for weekdays compared to weeknights and week evenings.



^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs

2.2.4 Service Category - Family and Carer Support

Descriptor

Family and carer support services are services that provide families, friends, support people and carers of people living with a mental illness the support, information, education and skill development opportunities to fulfil their caring role, while maintaining their own health and wellbeing (Mission Australia 2012). These services recognise that families, friends, support people and carers have their own life and experiences that are affected by the person's experience of mental illness and seeks to support them in both their personal goals and in the context of caring for the person with mental illness.

The Carer Recognition Act identifies the rights of carers to pursue their own goals and life outside of their caring responsibilities, noting that the goals of the person with mental illness may be in conflict with the Carer's goals. Carer support services should have a primary focus on the friends, support people and carer's needs whilst considering impact on the person with mental illness. Carer support services may also address succession issues, exploring security in care and accommodation for the person with mental illness as the friends, support people and carer's capacity to function decreases due to old age or infirmity.

Distinguishing Features

- Explicitly targeted at family, friends, support people and carers
- Includes all services focused on family and carer support except staffed residential respite services.
 Therefore, this includes services that, if they were not targeted at families and carers, would be reported in other service types

Inclusions

- · Carer and family programs
- In-home and or day respite for family, friends, support people and carers
- Family-focused early intervention services

Exclusions

Residential respite services

Example Services

- National Respite for Carers Program
- Young Carer Program
- Family Mental Health Support Services
- ARAFEMI

Taxonomy

- Flexible Respite
- Day Respite
- Family Support Services
- Individual Carer Support
- Group Based Carer Support

Source

AIHW Non-Government Organisation Establishment (NGOE) National Minimum Dataset (NMDS)
 Service Taxonomy (draft April 2012)

2.2.4.1 Service Element - Flexible Respite

Attribute	Details			
Description	This can be achi them to continue approach are fle	ieved through the pr in their caring role. xibility and responsi	e capacity to directly respond tovision of resources to the can The guiding principles underp veness". Cassar Bartolo, K ar athering Lived Experience Pha	rer in order for oinning this od Sanders, F.
	carers and the ca personality, inter of Victoria (VICS	are recipient, match rest, age and gende ERV) (2008) <i>Partne</i>	s of the family, friends, suppo ing staff with the care recipien r. Adapted from Psychiatric Di ers in Respite – Building Capa Carer Respite, VICSERV, Victor	t in terms of sability Services city in Community
	support people a services, young individual/carer r to an activity). Co	and carer. Would inc carers respite and w respite (ie the persor	ndividual needs of the person, lude crisis respite, short term vorking carers' respite. Two wan may be cared for within the loare, (eg. Day to Day Living pome is included.	or regular respite ay flexibility of nome or taken out
Fundamental Attributes	to provide a resp care out to anoth	oite function in the po	be that these services are spectors of the that these services are spectors of the this excludes community based in the this excludes community based in the third part of the	person receiving
Service specification	s and suggested	modelling attribut	es	
Activities:		In Home/	Out of Home Respite	
Target Age:	18+ Years			
Target Pop'n Profile		H ₀		
Avg timeframe per activity (if applic)	c\\			
Frequency of activity	CENTO.			
Hours of Operation and Proportion BH and AH	60% Business Ho	ours and 40% After H	ours	
Workforce				
Workforce Type	SCHADS Award Level	Hours worked	Proportion of Business hours and After Hours	Estimated % of Direct Care
Tertiary Qualified	Level 6	0.4 FTE	Business hours only	30% Direct Care
Vocational Qual	Level 5	2.0 FTE	40% BH and 60% AH	70% Direct Care
Vocational Qual	Level 3-4	6.0 FTE	40% BH and 60% AH	70% Direct Care
Evidence Base		•	•	
Level of Evidence:				
Key Reference:				

Limitations of Evidence:	
Recommendations for future research:	

DRAFT, INCOMFIDENCE. NOT FOR CIRCULATION OR CITATION O

\$13

0.00

\$65,105

Service Element - Flexible Respite - Staffing Profile

Summary of Staffing Profile for Flexible Respite

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Consumer Service Delivery hours available annual	Available hours/ann um/FTE	Weighted Salary **	Cost	FTE share	Overheads %
NMHSPF	TOTAL	9.71		63.90	31.06	11,338	1,168	#DN/0!	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	9.24	0.28	43.43	30.40	11,096	1,201	53,779	496,952	95%	20%
NMSPF	Peer Worker		0.25	14	-	41		#DN/0!	-	0%	20%
NMHSPF	Tertiary Qualified	0.47	0.35	2.21	0.66	242	515			5%	20%
NMHSPF	Medical	1	0.25	120	37	2			4.0	0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost		O'heads %
NMHR	Total Medical	-		- 4		- 2			\$0	0%	20%
NMHR	Psychiatrist	-	0.25	2	4	- 4	- 1		\$0	0%	20%
NMHR	Registrar		0.25	2	-	2	3.		\$0	0%	20%
NMHR	Junior Medical Officer	- 4	0.25	· ·	G-1		CE.		\$0	0%	20%
NMHR	Other Medical Specialis	4	0.25	4		- 4			\$0	0%	20%
NMHR	Total Nursing			9			- 4		\$0	0%	20%
NMHR	Registered Nurse	4.4	0.25	4	9.1		CE.		\$0	0%	20%
NMHR	Nurse Practitioner	4	0.25	4	i i	-	œ		\$0	0%	20%
NMHR	Enrolled Nurse	-	0.25	7	-	7	-		\$0	0%	20%
NMHR	Total Allied Health	0.47		2.21	0.66	242	515		\$26,625	5%	20%
NMHR	Psychologist	14	0.30	-	G-1	-	19		\$0	0%	20%
NMHR	Social Worker	-	0.30		(9)		- 2		\$0	0%	20%
NMHR	Occupational Therapist	J	0.30	-	-				\$0	0%	20%
NMHR	Other TQ (eg pharmacis	0.47	0.70	2.21	0.66	242	515	\$56,511	\$26,625	5%	20%
NMHR	VQ and Peer Workers	9.24		43.43	30.40	11,096	1,201		\$522,290	95%	20%
NMHR	Consumer Peer Worker		0.25	-		4	-		\$0	0%	20%
NMHR	Carer Peer Worker	5-2	0.25	-	-		-		\$0	0%	20%
NMHR	VQMH Worker	6.93	0.30	32.57	22.80	8,322	1,201	\$53,660	\$371,888	71%	20%
NMHR	VQ Other	2.31	0.30	10.86	7.60	2,774	1,201	\$65,105	\$150,403	24%	20%

Total Available Hours

11,338

Annual Cost Salaries

\$548,916

* Including Overheads 20.0%

\$658,699

Version AUS V1 October 2013 TRIM Ref: H12/35030 198 Information from Care Package

Hours Per Annum for an individual Total Target Population for care pa Total Hours Req per Annum

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical		#DIV/0!		#DIV/0!
NMHR	Psychiatrist	-	#DIV/0!	\$0	#DIV/0!
NMHR	Registrar	- 2	#DIV/0!	\$0	#DIV/0!
NMHR	Junior Medical Officer	-	#DIV/0!	\$0	#DIV/01
NMHR	Other Specialist		#DIV/0!	\$0	#DIV/01
NMHR	Total Nursing		#DIV/0!		#DIV/01
NMHR	Registered Nurse		#DIV/0!	\$0	#DIV/01
NMHR	Nurse Practitioner		#DIV/0!	\$0	#DIV/01
NMHR	Enrolled Nurse	8 -	#DIV/0!	\$0	#DIV/0!
NMHR	Total Allied Health	0	0.00		#DIV/01
NMHR	Psychologists	-	#DIV/0!	50	#DIV/0!
NMHR	Social Workers	-	#DIV/0!	\$0	#DIV/0!
NMHR	Occupational Therapist	-	#DIV/0!	\$0	#DIV/0!
NMHR	Other	0	0.00	\$56,511	52
NMHR	VQ and Peer Workers	1	0.00		#DIV/0!
NMHR	Consumer Peer Worker	3.1	#DIV/0!	\$0	#DIV/0!
NMHR	Carer Peer Worker	2	#DIV/0!	\$0	#DIV/0!
NMHR	VQMH Worker	1	0.00	\$53,660	\$33

Total FTE #DIV/0! FTE/Client #DIV/0! Case load..clients/FTE #DIV/0! **Annual Cost Salaries** #DIV/0! * Including Overheads 20.0% #DIV/0!

VQ Other

NMHR

AQMHP All Total Hours Worked

> 0.4 0.1

242 46

					Mon	rsing	242.46					Medical					Allied Hea	lth		Peer Wo	rkore	1	Vocat Qual	
					INUI	ising	Graduate Nurse	Nurse	1			Weulcai					Occupational	iitti		Consumer Peer	Carer peer		Vocat Guai	
De	escription	Director	CNC/NUM/NE	CN	RN	Enrolled Nurse	Training	Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist	Social Worker	Therapist	Other SCHADSL6	Allied Health Total	Worker	Worker	VQ MH Worker SCHADSL3	VQ Other SCHADS L5	VQ Total
															*********			0.4 FTE 100%BH				0.0FTE	2.0FTE	Hours
Base Weekly	Hours	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs	12121			Hrs	Hrs	
Monday	Day								-									3.1	3.1			6.0	2,0	8.0
	Evening								5-0					-			11-10-1-1					5.4	1.8	7.2
	Night								-					-								5.4	1.8	7.2
Tuesday	Day								-									3.1	3.1			6.0	2.0	8.0
	Evening													- 1			/					5.4	1.8	7.2
	Night	*																	× ×			5.4	1.8	7.2
Wednesday	Day								1-1-1		1		1	-				3.1	3.1	4		6.0	2.0	8.0
	Evering								-					-					-			5.4	1,8	7.2
	Night								11 5-1										-			5.4	1.8	7.2
Thursday	Day	(2000)	A 20000000	An exercis	Name of	200-200		900000	J. 1. 7-1	00/00/00/00	Average	17770000 A	Car more	TA 15	A-100000000		Vicencia d	3.1	3.1	According to	Secondary	6.0	2.0	8.0
	Evening	-	*********	-					-					-		*****			-		****	5.4	1.8	7.2
	Night.	_																	×			5.4	1.8	7.2
Friday	Day										1			-				3.1	3.1			6.0	2.0	8.0
	Evering								J		1		*									5.4	1.8	7.2
	Night																	*************	~			5.4	1.8	7.2
Saturday	All shifts				*	-								-								72.0	24.0	96.0
Sunday	All shifts		1			-								2-								72.0	24.0	
Total H	lours per week			-	-									340	- A			15.5	15.5			228.0	76.0	304.0
-						,												4				4.		
Annual & Oth	er Leave Relief week		.8	g		9 9	16	9		8			8			7	7	7	Ī	7.	7	7	7	
	ides (weighted)									9			9											
Public Holiday			0	- 11	- 1	1 11	31	- 11			41	1	- 11											
	eeks per FTE	44.14	44.14	43.14	43.14	4 43.14	36.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.14		45.14	45,14	45.14	45.14	ĺ
Day Shift Hou	rs (Mon-Fri)						i	1									1	18	16		-	30	10	
Evening Hours	s (More Fri)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	9	36
Night Hours ((Morr-Frii)	-	~		-	-	_			_	-	~		3-	~	0-0	-	-		-	-	27	9	-36
Saturday Hou		8	1	5	1				- e					34.			8		8			72	24	
Suriday Hours		******		-		_			-	-	_	-	-		_			-	-		-	72	24	96
Total Hours			1-1		1	3	=		11 12	3	- 5	-			- 3	r3		15	16	2.7		228	76	
Weekly FTE's		~	-			1 -	-		-	-	-	-			-	-		0.4	0.4		-	6,0	2.0	8.0
Relief FTE's		- 8	1-	Α.	-1	-	2-	3	11 10					1-1-1-	å	1-1	8	0.1	0.1			0.9	0.3	
	5	- 1																0.5	0.5	1		6.9	2.3	9.2

*Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

** Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs

Variable Inputs

Comments: Respite data available (see technical manual). Data shows 63% for weekend shifts. Demand is spread approx one third for each shift, except weekday shifts being slightly higher than weeknights. Feedback also that program manager/team leader role should be limited to SCHADS Level 6 as per roles defined in the NSW SACS/SCHADS document.

2.2.4.2 Service Element - Day Respite

Attribute	Details			
Description			engaged to provide a respite to tinvolve any overnight care	function in a
Fundamental Attributes		ite function in a cen	e that these services are spec tre based environment and do	
Service specification	s and suggested	modelling attribut	es	
Activities:				
Target Age:	18+ Years			
Target Pop'n Profile				
Avg timeframe per activity (if applic)			OF O	
Frequency of activity				
Hours of Operation and Proportion BH and AH	100% Business H	lours	OC)	
Workforce		(- 1	
Workforce Type	SCHADS Award Level	Hours worked	Proportion of Business hours and After Hours	Estimated % of Direct Care
Tertiary Qualified	Level 6	0.4 FTE	Business hours only	30% Direct Care
Vocational Qual	Level 5	2.0 FTE	Business hours only	70% Direct Care
Vocational Qual	Level 3-4	6.0 FTE	Business hours only	70% Direct Care
Evidence Base				•
Level of Evidence:	.0			
Key Reference:				
Limitations of Evidence:				
Recommendations for future research:				

DBK.500.002.0820

Service Element – Day Respite – Staffing Profile

Summary of Staffing Profile for Day Respite

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Service Delivery hours	Available hours/ann um/FTE	The second secon	Cost	FTE share	Overheads %
NMHSPF	TOTAL	6,35		41.80	20.63	7,529	1,185	#DIV/0!	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	5.20	0.25	24.43	19.00	6,935	1,334	36,529	189,870	82%	20%
NMSPF	Peer Worker	4/1	0.25	1		12		#DIV/0!	4	0%	20%
NMHSPF	Tertiary Qualified	1.16	0.35	5.43	1.63	594	515	2	- C	18%	20%
NMHSPF	Medical	- 1	0.25		-	- 4		1		0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost		O'heads %
NMHR	Total Medical			3:	0	-	7		\$0	0%	20%
NMHR	Psychiatrist	20	0.25	4	3	-	4		\$0	0%	20%
NMHR	Registrar	- 0	0.25		8.	-	2		\$0	0%	20%
NMHR	Junior Medical Officer	70	0.25	1.7	-	-	1.7		\$0	0%	20%
NMHR	Other Medical Specialis		0.25	43	(-)	-	· ·		\$0	0%	20%
NMHR	Total Nursing			- 4	- 4	-	- 4		\$0	0%	20%
NMHR	Registered Nurse	70	0.25	=	3	-	Ŧ		\$0	0%	20%
NMHR	Nurse Practitioner	+	0.25	11-3	1 -	-	÷		\$0	0%	20%
NMHR	Enrolled Nurse		0.25	9	10	-	4		\$0	0%	20%
NMHR	Total Allied Health	1.16		5.43	1.63	594	515		\$65,275	18%	20%
NMHR	Psychologist	1	0.30	(2.00	-	2	12		\$0	0%	20%
NMHR	Social Worker	-	0.30	-	-	-	-		\$0	0%	20%
NMHR	Occupational Therapist	- 7	0.30	9	-	-	7		\$0	0%	20%
NMHR	Other TQ (eg pharmaci	1.16	0.70	5.43	1.63	594	515	\$56,511	\$65,275	18%	20%
NMHR	VQ and Peer Workers	5.20		24.43	19.00	6,935	1,334		\$232,063	82%	20%
NMHR	Consumer Peer Worker		0.25	7	-	-			\$0	0%	20%
NMHR	Carer Peer Worker	2	0.25	1.2	-	-	114		\$0	0%	20%
NMHR	VQMH Worker	4.04	0.20	19.00	15.20	5,548	1,372	\$42,626	\$172,325	64%	20%
NMHR	VQ Other	1.16	0.30	5.43	3.80	1,387	1,201	\$51,717	\$59,737	18%	20%

Total Available Hours

7529.43

Annual Cost Salaries
* Including Overheads 20.0%

\$297,338 \$356,805

 Version AUS V1 October 2013
 201

 TRIM Ref: H12/35030
 201

Information from Care Package

Hours Per Annum for an individual 220
Particpitants per service Provider 6
Total Target Population for care pa 2,250
Total Hours Req per Annum 82,500

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	-	#DIV/0!		#DIV/0!
NMHR	Psychiatrist	- 9	#DIV/0!	\$0	#DIV/0!
NMHR	Registrar	- 5	#DIV/0!	\$0	#D(V/0!
NMHR	Junior Medical Officer		#DIV/0!	\$0	#DIV/0!
NMHR	Other Specialist	-	#DIV/0!	\$0	#DIV/0!
NMHR	Total Nursing		#DIV/0!		#DIV/0!
NMHR	Registered Nurse	-	#DIV/0!	\$0	#D(V/0!
NMHR	Nurse Practitioner	-	#DIV/0!	\$0	#DIV/0!
NMHR	Enrolled Nurse	100	#DIV/0!	\$0	#D(V/0!
NMHR	Total Allied Health	1,086	2.11		#DIV/0!
NMHR	Psychologists	2.1	#DIV/0!	\$0	#D(V/0!
NMHR	Social Workers		#DIV/0!	\$0	#DIV/0!
NMHR	Occupational Therapist	1	#DIV/0!	\$0	#DIV/0!
NMHR	Other	1,086	2.11	\$56,511	\$119,203
NMHR	VQ and Peer Workers	12,664	9.49		#DIV/0!
NMHR	Consumer Peer Worker	-	#DIV/0!	\$0	#DIV/0!
NMHR	Carer Peer Worker	1.5	#DIV/0!	\$0	#D(V/0!
NMHR	VQMH Worker	10,132	7.38	\$42,626	\$314,695
NMHR	VQ Other	2,533	2.11	\$51,717	\$109,091

 Total FTE
 #DIV/0!

 FTE/Client
 #DIV/0!

 Case load..clients/FTE
 #DIV/0!

 Annual Cost Salaries
 #DIV/0!

 * Including Overheads 20.0%
 #DIV/0!

					- 11	and and	594.43			_		M. C.			1		10- 311	TAL.		D 10	M. ea-		Veret C	-1	100
					Nu	rsing	8 1 - 11	-			_	Medical				A	llied Hea	lth		Peer Wo			Vocat Qu	al	AQI
Do	secription	Director	CNC/NUM/NE	CN	AN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiatrist	Rogistrar	Jun Med Off	Other Specialist	Medical	Psychologist	Social Worker	Occupational Thorapist	Other	Allied Health	Consumar Paer Worker	Carer poor Worker	VQ MH Worker	VQ Other	vo	
									Total					Total				SCHADS L6	Total			SCHADSL3	SCHADS L5	Total	To
					- Annyanger		responsor, and	1,				1,7-0-7-0-17-0	7-1/4-1-1/5-1-5-			- Congrany	y-conveyage.	1.0 FTE 100%B	Н			3.5FTE 100%BH	1.0FTE 100%BF	Hours	Ho
ma Wookly	Hours	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked	Wo
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs		1,000
nday	Day								31					- 3"			1	7.6	7.6			26.6	7.6	34.2	
	Evening																	and the second	J. J. J. C. S. V.						
	Night	-	- CALLER ALLER A	A RUNA RUNA RAN					-	A RUNAURURURURURURURURURURURURURURURURURUR	A A A A A A A A A A A A A A A A A A A		ALL	-		A A CONTRACTOR OF THE PARTY OF	A A LI A							8	
sday	Day													1		10	1	7.6	7,6			26.6	7.6	34.2	1
	Evening	-							- /										-						1
	Night	1						2 17 17 17						-											
inosday	Day											4		-				7.6	7.6			26.6	7.6	34.2	
	Evening	- manty	de compres	A POST COLUMN	And market	A service of		100 March 1855	Acres 1		A CONTRACTOR	ALCO CONTRACTOR	diam'r.	Jun 23	Orange L	a control	San San Care	Contract	777,81	bron.ers	January Con	and the same of	comment.		500
	Night	-							-					-					-					-	
rsday	Day								-					1				7,6	7.6			26.6	7,6	34.2	-
	Evening	5.29									La contra								81					8.1	
	Night		**********		1701101101		0.10.10010	701,00700	727	0.110.110.11	7000501100	91001701101		1311157	410100000	70-7-11-11-11	70000000		100	131001001			***********	77777	10.50
ay	Day								1					- 31				7.6	7.6			26.6	7.6	34.2	1
	Evening	J					L.		-			Dec. 2000	N				L.								Š
	Night	-			-				-				***************************************	-					-					-	
turday	All shifts	1	_			_						1		_					- 21					2.7	
day	All shifts	· .				-								-					- N					81	
Total H	lours per week	1,1	1-0			1		1-0		10.	1 30	7		7.7	-	100		38.0	38	1.	1 3-1	133.0	38.0	171.0	
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ead & Oth	er Lazve Relief wed		8	1 - 4	9	9 9	16	9		8					7	7	1	7		. 7	7	7	7		
Call Episo	des (weighted)									9	-	9	9.			***********				**********					
	ys Worked		0	1	1 1	1 11	11	11			1	11	.11												
	lacks per FTE	44.14	44.14	43.1	43.1	4 43.14	36.14	43.14	9	44.14	44.14	44.14	44.14		45.14	45,14	45.14	45.14		45.14	45.14	45.14	45.14		
						-			4																
Shift Hot	urs (Mon-Fri)	-		-			4-		7	1	-			31		+	1	38	38		-	133	38	171	
	rs (Mon-Fri)	*																							
	(Mon-Fri)					-	-			-											-				
rday Hou					-		-		1					-		-	_						-	-	
day Hours			-		-		1			- 1				-				-	-		- 6		1		
al Hours												-	-				-	38				133	- 38	171	
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akly FTE's												D						1.0	1.0			3.5	1.0	4.5	
of FTE's		*********				-						***********				*********		0.2	e eleministra elemento.	****	****	0.5	0.2	0.7	-
CIES.		7	-		-		7			-	-	-		-	-		-	W.2	U.2			9.5	V.2	5.2	

Variable inputs

Variable Inputs

Comments:

Respite data available (see technical report) to determine demand for day respite services. Staffing profile based on the same ratio as used for Group support but without the AH

component. Feedback also that program manager/team leader role should be limited to SCHADS Level 6 as per roles defined in the NSW SACS/SCHADS document.

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.2.4.3 Service Element -Family Support Services

Attribute	Details											
Description	directed towards re currently not in a ca	e-engagement of the aring role because mediation and re-e	unity in contrast to the individue individual with the family (ie of disengagement). Would incongagement, Child of Parents counselling.	family members lude								
Fundamental Attributes		are specifically foci	services that may or may not used on the needs of the famil									
Service specification	s and suggested m	odelling attributes	S									
Target Age:	All ages (children ı	require access as v	vell as adults)									
Target Pop'n Profile	Child of Parents with illness (PWM)I	n Mental Illness (CO	PMI,) Family members of person	on with mental								
Avg timeframe per activity (if applic)	1 hr/week for 12 wee	eks										
Hours of Operation and Proportion BH and AH												
Workforce												
Workforce Type	SCHADS Award Level	Hours worked	Proportion of Business hours and After Hours	Estimated % of Direct Care								
Tertiary Qualified	Level 6	0.4 FTE	Business hours only	30% Direct Care								
Vocational Qual	Level 5	2.0 FTE	60% BH and 40% AH	70% Direct Care								
Vocational Qual	Level 3-4	6.0 FTE	60% BH and 40% AH	70% Direct Care								
Evidence Base												
Level of Evidence:												
Key Reference:												
Limitations of Evidence:												
Recommendations for future research:												

Service Activity - Family Support

General description

"Mental health care that is provided in a way that recognises the unique role of personal and family relationships in promoting wellbeing, providing care, and fostering recovery across the lifespan and the needs of families and support givers themselves. Families are engaged and helped through e-counselling, education and support programs and services. Wherever possible, families become partners in care and

treatment and are integrated into decision-making in a way that respects a person's choice, consent and privacy". (Craze, L. (2012) National Recovery-Oriented Mental Health Practice Framework – 2nd Consultation Draft, on behalf of the Safety and Quality Partnership Subcommittee of the Australian Health Ministers' Advisory Council, Mental Health Standing Committee.)

Access

General aim is to reduce the impact of mental illness on all family members

Planning

Encourage and support people to develop advanced care directives and/or plans for the care of their children with their partners and families when they are well. Support people in sharing key elements of recovery goals and approaches with their partners/family members. (Craze, L. (2012) *National Recovery-Oriented Mental Health Practice Framework – 2nd Consultation Draft*, on behalf of the Safety and Quality Partnership Subcommittee of the Australian Health Ministers' Advisory Council, Mental Health Standing Committee.)

Action

- Resources: Practitioners working in the child protection, non-government welfare, housing and youth sectors do not necessarily have formal training or qualifications that include mental illness symptoms and treatment.
- Skill Development (including Rehabilitation Focus): Address age appropriate factors for risk and resilience, ensuring that the needs of all family members are addressed and included in the development of care planning and delivery. In particular, identify and maximise the strengths within the child and the family unit. Need to talk with children about their experience, worries and fears, parents should be active partners in the process of children receiving information about their illness. Parents may be ambivalent about their child receiving information, thinking that their child is protected by having little, or no, information or concerned that if they give the information they may be incorrect. Talking with children comprises of giving children age-appropriate information, but also gives them the opportunity to voice anxieties such as 'will I get it?', 'will Mum get better?', 'why did it happen to my dad?' Cowling, V., Edan, V., Cuff, R., Armitage, P., and Herszberg, D. 'Mental health consumer and carer participation in professional education: Getting There Together for children of parents with mental illness and their families', Australian Social Work, Vol. 59, pp. 406-21, 2007. Work in partnership with families to support the recovery of a relative and to help them to identify and meet their own support needs. Eq. Support with own responses, information needs, education to use a recovery approach, family involvement in goal setting, recovery and wellness planning, (Craze, L. (2012) National Recovery-Oriented Mental Health Practice Framework – 2nd Consultation Draft, on behalf of the Safety and Quality Partnership Subcommittee of the Australian Health Ministers' Advisory Council, Mental Health Standing Committee.)
- Social/Cultural Context: Potential risk factors that may occur at different ages, such as a lack of attachment in infancy, social isolation, poverty, frequent and unplanned separations from the parent, insecure housing, irregular school attendance and lack of opportunity to participate in school-based, or extra curricular, activities. Similarly, the range of factors that may serve to foster resilience at each age and stage need to be considered, such as coordinated care at the ante and post-natal stages of birth, respite care and peer support groups for children and young people and awareness of developmental issues for adolescents by adults in the young person's family, extended family or school environment as well as identifying the strengths within the child and the family unit. Cowling, V., Edan, V., Cuff, R., Armitage, P., and Herszberg, D. 'Mental health consumer and carer participation in professional education: Getting There Together for children of parents with mental illness and their families', Australian Social Work, Vol. 59, pp. 406-21, 2007. Support people to maintain, establish or re-establish relationships with family, partners, children, friends, cultural networks and significant others. Support people to fulfil their parenting roles and other important relationship roles. (Craze, L. (2012) National Recovery-Oriented Mental Health Practice Framework – 2nd Consultation Draft, on behalf of the Safety and Quality Partnership Subcommittee of the Australian Health Ministers' Advisory Council, Mental Health Standing Committee.)

DBK.500.002.0824

Outcomes

- Increased resilience and social connectedness of children and young people with a parent with a mental illness, reduced stigma associated with mental illness, and enhanced community capacity to assist these families through partnerships between sectors and services, peer support programs, work force development and whole of community education.
- Parents who have a mental illness are able to access mental health services for treatment and rehabilitation that are also mindful of their parenting role.
- Dependent children and young people, whose parent has a mental illness, will have their needs recognised by their parent's mental health service and so have their own mental health optimised.
- Families where a parent has a mental illness will receive appropriate support to help them manage adverse circumstances and maximise each family member's resilience.
- Each family member, including dependent children and young people, can be involved in networks and service planning so that local policies and service development are relevant to the needs of families where a parent has a mental illness.
- Families where a parent has a mental illness have appropriate access to universal and targeted services that can support their needs.

Maybery, D., Reupert, A., Grove, C., Goodyear, M., Marston N. and Sutton K. (2012). Targeted preliminary evaluation of Department of Health FaPMI strategy. Report to Victorian Department of Health, Mental Health, Drugs and Regions Division.

Collaboration

RAFT IMCONFIDENCE. There is a role in referring families and children to health, mental health or leisure and recreational services

Service Element –Family Support Services – Staffing Profile

Summary of Staffing Profile for Family Support Services

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Consumer Service Delivery hours available annual	Available hours/ann um/FTE	Weighted Salary **	Cost	FTE share	Overheads %
NMHSPF	TOTAL	9.70		63.84	31.05	11,334	1,168	#DIV/0!	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	9.24	0.28	43.43	30.40	11,096	1,201	48,523	448,378	95%	20%
NMSPF	Peer Worker	-	0.25	1		- C-		#DIV/0!	-	0%	20%
NMHSPF	Tertiary Qualified	0.46	0.35	2.17	0.65	238	515	- 1	-	5%	20%
NMHSPF	Medical	-	0.25	-	140	2.		2	-	0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost		O'heads %
NMHR	Total Medical								\$0	0%	20%
NMHR	Psychiatrist	9	0.25	-	7	-	3.		\$0.	0%	20%
NMHR	Registrar		0.25		5	-	3		SO	0%	20%
NMHR	Junior Medical Officer	9	0.25	4	3	-	3		SO.	0%	20%
NMHR	Other Medical Specialis	-	0.25	-	-		-		\$0	0%	20%
NMHR	Total Nursing			-			7		.50	0%	20%
NMHR	Registered Nurse	-	0.25	-	-		-		\$0	0%	20%
NMHR	Nurse Practitioner	~	0.25	~	-	-			\$0	0%	20%
NMHR	Enrolled Nurse		0.25		-	-			50	0%	20%
NMHR	Total Allied Health	0.46		2.17	0.65	238	515		\$26,110	5%	20%
NMHR	Psychologist	240	0.30	1 2		-1	14		\$0	0%	20%
NMHR	Social Worker	-	0.30	-	-	-	4-		\$0	0%	20%
NMHR	Occupational Therapist	rier.	0.30	-	4		1.2		\$0	0%	20%
NMHR	Other TQ (eg pharmacis	0.46	0.70	2.17	0.65	238	515	\$56,511	\$26,110	5%	20%
NMHR	VQ and Peer Workers	9.24		43.43	30.40	11,096	1,201		\$470,797	95%	20%
NMHR	Consumer Peer Worker		0.25	-	14		1.4		\$0	0%	20%
NMHR	Carer Peer Worker	(-)	0.25	Q.,	121				SO	0%	20%
NMHR	VQMH Worker	6.93	0.30	32.57	22.80	8,322	1,201	\$48,370	\$335,223	71%	20%
NMHR	VQ Other	2.31	0.30	10.86	7.60	2,774	1,201	\$58,686	\$135,574	24%	20%

Total Available Hours

11,334

Annual Cost Salaries * Including Overheads 20.0% \$496,907 \$596,288

Version AUS V1 October 2013 TRIM Ref: H12/35030 206 Information from Care Package

Hours Per Annum for an individual Total Target Population for care pa 2,250

Total Hours Req per Annum

495,000

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	-	#DIV/0!		#DIV/0!
NMHR	Psychiatrist		#DIV/0!	\$0	#DIV/0!
NMHR	Registrar		#DIV/0!	\$0	#DIV/0!
NMHR	Junior Medical Officer	~	#DIV/0!	\$0	#DIV/0!
NMHR	Other Specialist	. 8	#DIV/0!	\$0	#DIV/0!
NMHR	Total Nursing	9	#DIV/0!		#DIV/0!
NMHR	Registered Nurse	6.	#DIV/0!	\$0	#DIV/0!
NMHR	Nurse Practitioner	-	#DIV/0!	\$0	#DIV/0!
NMHR	Enrolled Nurse		#DIV/0!	\$0	#DIV/0!
NMHR	Total Allied Health	10,385	20.18		#DIV/0!
NMHR	Psychologists	- 2	#DIV/0!	\$0	#DIV/0!
NMHR	Social Workers	-	#DIV/0!	\$0	#DIV/0!
NMHR	Occupational Therapist	,	#DIV/0!	\$0	#DIV/0!
NMHR	Other	10,385	20.18	\$56,511	\$1,140,344
NMHR	VQ and Peer Workers	484,615	403.58		#DIV/0!
NMHR	Consumer Peer Worker	200	#DIV/0!	\$0	#DIV/0!
NMHR	Carer Peer Worker	4	#DIV/0!	\$0	#DIV/0!
NMHR	VQMH Worker	363,462	302.69	\$48,370	*******
NMHR	VQ Other	121,154	100.90	\$58,686	\$5,921,177

Total FTE #DIV/0! FTE/Client #DIV/0! Case load...clients/FTE #DIV/0! **Annual Cost Salaries** #DIV/0! * Including Overheads 20.0% #DIV/0!

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ription	Director	CNC/NUM/NE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical	Psychologist.	Social Worker	Occupational Therapist	Other	Allied Health	Consumer Peer Worker	Carer peer Worker	VQ MHWorker	VQ Other	vo	All
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^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

Variable inputs

Variable Inputs

Comments:

Support from sector indicated. Feedback indicated a need for more after hours time as evidenced by long waiting lists for weekend and evening appointments. Recommended 60% BH and 40% AH. Feedback also that program manager/team leader role should be limited to SCHADS Level 6 as per roles defined in the NSW SACS/SCHADS document.

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.2.4.4 Service Element - Group Carer Support Services

Attribute	Details											
Description	carers and COPMI.	Would include psyc	or post suicide support, inchological education and tra ung carers and COPMI.									
Fundamental Attributes	a peer worker, are s	specifically focused arers (in contrast to	services that may or may no on the needs of the individo personalised support for th oup format.	ual/ family/ friend/								
Service specification	s and suggested mo	delling attributes										
Activities:			o accessing and maintain actical skills for maintaini									
	•	• •	education and employmen									
	Group Care participation		enhancing relationships a	nd social								
	Group Care	er Support linked t	o health management.									
Target Age:	All ages (children re	equire access as we	ell as adults)									
Avg timeframe per activity (if applic)	1hr/week for 12 weeks											
Hours of Operation and Proportion BH and AH	75% BH / 25% AH -	- Feedback suggest	ed 2 evenings per week ar	nd Saturday PM								
Workforce												
Workforce Type	SCHADS Award Level	Hours worked	Proportion of Business hours and After Hours	Estimated % of Direct Care								
Tertiary Qualified	Level 7	1.0 FTE	70% BH and 30% AH	80% Direct Care								
Vocational Qual	Level 4	1.0 FTE	70% BH and 30% AH	80% Direct Care								
Average 6x participa	nts per staff member	r.		1								
Evidence Base												
Level of Evidence:												
Key Reference:												
Limitations of Evidence:												
Recommendations for future research:												

Service Activity – Group Carer Support linked to accessing and maintaining safe and secure housing including practical skills for maintaining a home and living well

General description

Group Support services provided specifically towards the family/ friend/ support people or carer's personal goals for the establishment and maintenance of safe and secure housing. The services are provided on a group basis, assisting an individual to maintain or change their housing circumstances (including succession planning for the care of the person with mental illness), remaining sensitive to cultural and multi-generational needs. (eg. Supporting the family/ friend/ support people or carers in the practical maintenance of their housing, accessing appropriate housing options as required, multi-generational living arrangements, homeless people or for those at risk of homelessness).

Information Gathering

In the context of a group program, identify psychosocial needs and functional assessment identifying housing needs, support available, personal strengths and areas for support and/or development. Also includes the provision of information that identifies different housing options and outlines access issues.

Planning

Development of a person centred recovery plan inclusive of support networks driven by the family/ friend/ support person or carer that identifies housing goals, referral pathways, housing providers, resource options and advocates as appropriate and associated skill development and action required.

Action

As per the recovery plan, support the family/ friend/ support person or carer in establishing and maintaining housing arrangements including:

- Resources: Establish financial resources, legal and tenancy support, practical support (both personally and in relation to property maintenance), processes to support skill development. Engaging assertively with the housing market is critical to establishing safe and secure housing. Particularly in the context of liaising/networking and following up on commitments made, supporting accommodation hunting and development of the housing application. Also support the family/friend/support person or carer to access public housing tenancy support officers and rental assistance schemes, or assist with the installation of security devices, advancing or assisting with bond money and removal costs as indicated in the support issues identified.
- Skill Development (including Rehabilitation Focus): Develop skills to improve competence and confidence in community living, particularly in relation to managing tenancy matters.
- Social/Cultural Context: Ensure housing allocation is safe and appropriate to personal and cultural circumstances.
- Health and Wellbeing: Improve independence and resilience and ensure appropriate support is provided to maintain a healthy home environment.

Issues for consideration relevant to particular family/friend/support person or carers include the following:

- Young Carers/Child of mentally ill parents (COPMI) Is the young carer / COPMI safely and securely housed now?
 Do they need special housing support to attend school, do homework, maintain the house / garden, participate in social activities, pay the rent, manage finances, purchase and prepare food, etc. (Identify and quantify the additional actions required to provide the support needed.)
- Family/ friend/ support person or carer of 0 12 yrs. child with mental health problem Housing location provides access to specialised and/or sympathetic schooling, therapeutic or social programs. Liaison with schools, childcare facilities. Financial support for repairs or additional safety and security features in housing.

• Family/ friend/ support person or carer of a young person (13 – 24 yrs.) with mental health problem – Supporting parent and families in setting personal and family boundaries to maintain safe and secure housing (skills development, practical support).

- Family/ friend/ support person or carer of an ageing person with mental health problems –
 Supporting them to find appropriate separate supported residential accommodation for an elderly
 frail person with a mental health problem. May include sale or division of property that the family/
 friend/ support person or carer and ageing person have lived in for many years.
- Ageing family/ friend/ support person or carers > 65 yrs (and including those frail of any age) —
 Consider need for a ground floor dwelling, ease of access to local shops, transport, support for
 maintaining the house and yard, home modifications, tenancy / housing succession planning and
 increased respite services.

Outcomes

Stability of housing, individual housing goals are met and opportunity and right for community participation in accordance to personal goals. Reviews with family/friend/support person or carer to ascertain whether or not desired outcomes have been / are being achieved and how effectively; makes adjustments to or closes episode of support, accordingly. Returns to assessment, planning and implementation phases as indicated, to meet the same or another identified need for support.

Collaboration

Individuals/family/friend/support person or carers, housing providers, income support or management, mental and general health clinical and community support services, financial brokers, succession planning for secure housing for the person with mental illness, legal services, tribunals and other social, health and community opportunities. Supports and encourages the family/friend/ support person or carer to participate in social and community activities.

Service Activity - Group Carer Support linked to education and/or employment

General description

Group support services provided specifically towards a family/ friend/ support person or carer's personal goals towards education and employment. The services are provided on a group basis, and generally target the functions of accessing and supporting education and employment opportunities rather than providing the education and employment services themselves.

Information Gathering

Psychosocial needs assessment and functional assessment identifying education and employment targets, motivation to work and/or study, self-identified support needs, support available, personal strengths and areas for development. Also includes the provision of information that identifies different education/employment options and outlines access issues.

<u>Planning</u>

Development of a person-centred plan driven by the family/ friend/ support person or carer that identifies education and/or employment goals, referral pathways, service providers, resource options and advocates as appropriate and associated skill development and action required. Particularly need to consider the long term of positive effects of supporting individuals back into school, which further supports post-secondary study and subsequent employment opportunities (*McLaren, K (2004) Work in Practice – Best practice employment support services for people with mental illness, NZ*).

Action

As per the personal plan, support the family/ friend/ support person or carer in accessing and maintaining education and employment through the following activity:

- Resources: Provide career counselling and assistance in course selection and enrolment
 procedures, linking to other services as required. (VETE)Establish financial counselling and access
 to financial support, transport services and employment/education practical support. Engage
 assertively with the employment and education providers to ensure a flexible and supportive
 environment is established.
- Skill Development (including Rehabilitation Focus): Provide or provide access to, re-skilling, skills development or confidence building courses such as computer training, preparing curriculum vitae, preparing for job interviews, time management, assertiveness training. Establishing effective employment strategies early in the illness trajectory may have life-long impact on employment outcomes for the person with mental illness and family/ friend/ support person or carer, preventing secondary disability and associated economic and social costs. Providing a specialist VETE service ensures employment and education remain a high priority when other issues required addressing by the care coordinator (eg decline in mental or physical health). (VETE)
- Social/Cultural Context: Address stigma, encourage a sympathetic.
- Work/education environment able to accommodate circumstances such as unplanned absences to support the person they care for during fluctuating periods of episodic illness. Provide flexible support tailored to individual need, tutoring and flexible delivery of education courses or employment arrangements promotes the likelihood of success. (VETE)
- Health and Wellbeing: Close links and integration with care coordination services, primary care, crisis intervention and accommodation issues will support the stability of health of the person being cared for and support the family/ friend/ support person or carer's progress towards achieving their vocational and educational goals. (VETE)

Outcomes

Participation in employment, improved income, sustained or stable involvement in employment and education, greater personal independence / 'space'.

Collaboration

Establish agreements with the person being cared for and (as indicated) develop a backup plan with other services to provide or increase support during family/ friend/ support person or carer's absence at work. Foster a close working relationship with income support services and Job Capacity Assessors to ensure referrals to employment services are processed appropriately. Need to establish mental health carer support positions dedicated to vocational and educational issues to enhance employment and educational outcomes. Enhanced intersectoral links, particularly between mental health, generic employment and education services (eg. Resume production, course content information), Disability Employment Services, TAFE, Universities and other social support services.

Frost, B., Morris, A., Sherring, J. and Robson, E. (2008) Vocational Education, Training and Employment (VETE) Pilot Project Report – Psychiatric Rehabilitation Services 2006-2007, NSW Health, Sydney.

Service Activity – Group Carer Support linked to enhanced relationships and social participation

General description

In a group format, working with the family/ friend/ support person or carer to identify and develop social interests and to identify and manage any potential or actual negative impact from their caring role. Aim is to access activities within the local and broader community and to identify relationships which are important to them and work on developing, maintaining and growing those relationships. This may require working directly with the family/ friend/ support person or carer to develop their personal skills, or may be a matter of managing the logistics and responsibilities of their caring role (eg provision of respite).

Information Gathering

Identify what the person's social interests are and availability in the community. Work with the family/ friend/ support person or carer to identify support people who may be available to assist with accessing and participating in the desired activities. Consider issues such as isolation, previous relationships that have been neglected or otherwise negatively impacted by the caring role, and personal confidence and desire for increased socialisation.

Planning

Work with the family/ friend/ support person or carer to develop a personal plan that involves developing the skills to find, access and participate in community activities and develop social relationships. Consider the motivational status of the individual and assist them in planning each aspect of participation in social activities including identifying the resources and skill development required.

<u>Action</u>

As per the personal plan:

- Resources: Establish financial resources to assist with funding community activities or access to community activities. Identify and establish support to access and engage in community activities e.g. transport, respite etc. Identify support people to assist with community integration and participation (may include workers).
- Skill Development (including Rehabilitation Focus): Identify and develop skills required to access and participate in community activities e.g. Self-confidence, social presentation and communication skills.
- Social/Cultural Context: Ensure activities planned are socially and culturally appropriate and relevant to the priorities and desire of the individual.
- Health and Wellbeing: Promote activities that will assist in the development of improved health and well being.

Outcomes

Increasing social participation and community engagement in order to meet goals connected to social inclusion.

Collaboration

The person with mental illness, family, friends and support people, organisations providing courses and activities, educational and vocational providers, community organisations, non government organisations.

Service Activity - Group Carer Support linked to health management

General description

In a group format, assisting a person in a caring role to improve or maintain his or her health or wellness. In particular, avoiding self-neglect and actively seeking or establishing strategies and activities that promote good health and wellbeing. Examples might include regular physical health assessment and treatment as appropriate, massage and other forms of relaxation activities, counselling and peer support, recreational activities, skill development in health practices (eg. Cooking, cleaning, fitness) and use of personal support and respite services.

Information Gathering

Engaging the participant in a relationship to develop a plan for health management. Assessing health status (including physical and mental health) and barriers and enablers for good health. Includes review of physical and mental health needs, thorough history and review of medication (both physical and otherwise). Collation

of physical and dental health contacts and connection to these services. Assess readiness for change and skills connected with coping, health management, menu planning, shopping, cooking and fitness.

Planning

Prioritise and set health and wellness goals by formulating a health and wellness plan, that is driven by the participant with support in the planning process.

Action

Support the family/ friend/ support person or carer in developing healthy behaviours and support access and use of resources as appropriate:

- Resources: Nicotine replacement therapy, brokerage funds (e.g. to assist in accessing gym memberships or exercise clothes), respite and/or personal support services.
- Skill Development (including Rehabilitation Focus): Support the family/ friend/ support person or
 carer in building skills in healthy practices and overall health management and to engage or
 disengage in activities which assist in improving health. Development of insight to avoid neglecting
 personal health in favour of their caring role and to establish and maintain positive coping strategies.
- Social/Cultural Context: Utilising support and respite services as required to maintain and promote social relationships in work, education and social/cultural environments.
- Health and Wellbeing: As above.

Outcomes

Prevent deterioration of health status and increase coping and stability of caring role.

Collaboration

General Practice and other health services, community health management organisations (e.g. Gyms, swimming pools, weight management services), other recreational, educational and vocational services and mental health care and related support services.

Service Element – Group Carer Support Services – Staffing Profile

Summary of Staffing Profile for Group Carer Support Services

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Consumer Service Delivery hours available annual	Available	Weighted Salary **	Cost	FTE share	Overheads %
NMHSPF	TOTAL	2,31		15,21	8.15	2,974	1,287	#DIV/0!	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	1.16	0.27	5.43	4.07	1,487	1,287	24,185	27,957	50%	20%
NMSPF	Peer Worker	3	0.25	3.7	- 2	9		#DIV/0!	100	0%	20%
NMHSPF	Tertiary Qualified	1.16	0.28	5.43	4.07	1,487	1,287	9-9	l'e i	50%	20%
NMHSPF	Medical	-	0.25			Ξ.		-		0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost	FTE share	O'heads %
NMHR	Total Medical	-			-	- 4	-		\$0	0%	20%
NMHR	Psychiatrist	•	0.25	-	14-		1 +		\$0	0%	20%
NMHR	Registrar	-	0.25	-	-	120	+		\$0	0%	20%
NMHR	Junior Medical Officer	· ·	0.25		-		+		\$0	0%	20%
NMHR	Other Medical Specialis	· · · · · · ·	0.25				+		\$0	0%	20%
NMHR	Total Nursing				-				\$0	0%	20%
NMHR	Registered Nurse	12	0.25			7	9		\$0	0%	20%
NMHR	Nurse Practitioner	1.0	0.25			1.7			\$0	0%	20%
NMHR	Enrolled Nurse	- 2	0.25				4		\$0	0%	20%
NMHR	Total Allied Health	1.16		5.43	4.07	1,487	1,287		\$74,129	50%	20%
NMHR	Psychologist	P.	0.30	21	-		2		50	0%	20%
NMHR	Social Worker	~	0.30	-	75		4		\$0	0%	20%
NMHR	Occupational Therapist	- 3	0.30	-5	1-				\$0	0%	20%
NMHR	Other TQ (eg pharmacis	1.16	0.25	5.43	4.07	1,487	1,287	\$64,126	\$74,129	50%	20%
NMHR	VQ and Peer Workers	1.16		5.43	4.07	1,487	1,287		\$55,915	50%	20%
NMHR	Consumer Peer Worker	3	0.25	8		-	77		\$0	0%	20%
NMHR	Carer Peer Worker	-	0.25	4		-			50	0%	20%
NMHR	VQMH Worker	1.16	0.25	5.43	4.07	1,487	1,287	\$48,370	\$55,915	50%	20%
NMHR	VQ Other	- 4	0.30	L .	- 4	- 5	24		\$0	0%	20%

Total Available Hours

Annual Cost Salaries \$13

* Including Overheads 20.0%

2,974

\$130,044 \$156,052 Information from Care Package
Hours Per Appum for an individua

Hours Per Annum for an individual 220
Particpitants per service Provider 6
Total Target Population for care pa 2,250
Total Hours Req per Annum 82,500

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical		#DIV/0!		#DIV/0!
NMHR	Psychiatrist		#DIV/0!	\$0	#DIV/0!
NMHR	Registrar	-	#DIV/0!	\$0	#DIV/0!
NMHR	Junior Medical Officer	-	#DIV/0!	\$0	#DIV/0!
NMHR	Other Specialist	4.00	#DIV/0!	\$0	#DIV/0!
NMHR	Total Nursing		#DIV/0!		#DIV/0!
NMHR	Registered Nurse	9	#DIV/0!	\$0	#DIV/0!
NMHR	Nurse Practitioner	307	#DIV/0!	\$0	#DIV/0!
NMHR	Enrolled Nurse	4	#DIV/0!	\$0	#DIV/0!
NMHR	Total Allied Health	6,875	5.34		#DIV/0!
NMHR	Psychologists	2.1	#DIV/0!	\$0	#DIV/0!
NMHR	Social Workers	9	#DIV/0!	\$0	#DIV/0!
NMHR	Occupational Therapist	2.1	#DIV/0!	\$0	#DIV/0!
NMHR	Other	6,875	5.34	\$64,126	\$342,672
NMHR	VQ and Peer Workers	6,875	5.34		#DIV/0!
NMHR	Consumer Peer Worker	3 - 5	#DIV/0!	\$0	#DIV/0!
NMHR	Carer Peer Worker	100	#DIV/0!	\$0	#DIV/0!
NMHR	VQMH Worker	6,875	5.34	\$48,370	\$258,473
NMHR	VQ Other	4-	#DIV/01	\$0	#DIV/0!

Total FTE #DIV/0!

FTE/Client #DIV/0!

Case load.,clients/FTE #DIV/0!

Annual Cost Salaries #DIV/0!

* Including Overheads 20.0% #DIV/0!

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^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

Variable inputs

Variable Inputs

Comments:

Support from sector indicated. Feedback indicated 80% Consumer Delivery Time was unrealistic. Modified to 75% which is still higher than other other community support services as there is no travel time lost per participant as occurs in outreach type services. AH time estimated based on advice of M-F & 2x PM sessions & 1x Sat PM Feedback also that program manager/team leader role should be limited to SCHADS Level 6 as per roles defined in the NSW SACS/SCHADS document.

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.2.4.5 Service Element - Individual Carer Support Services

Attribute	Details			
Description	Needs identified b	y family/ friend/ s	upport person or carer carers	include:
			ess about the signs and symp arly intervention and support;	toms of mental
			speriences and needs of fami of information and referral fo	
	person with r	mental illness (rela	istance to overcome the impa ationships, family dynamics, r distancing, restricted social r	educed level of
	treatment, de		incial costs related to caring (c aspects of the illness, time f ;	
	availability of	f information, incre	reatment via better knowledg eased awareness and skills a ly intervention or crisis mana	mong health
			d/ support person or carer's n pproaches to treatment and r	
Fundamental Attributes	a peer worker, are	specifically focus	be services that may or may issed on the needs of the family analised support for the perso	// friend/ support
Service specification	s and suggested r	nodelling attribu	tes	
Activities:	secure hous living well Individual Ca Individual Ca participation	sing including pr arer Support linke arer Support linke	sed to accessing and maintactical skills for maintaining of to education and employmed to enhancing relationships sed to health management.	g a home and ent.
Target Age:	All ages (children	require access as	s well as adults)	
Target Pop'n Profile	COPMI, Family me	embers of people w	ith mental illness	
Avg timeframe	1hr/week for 12 w	eeks		
Hours of Operation and Proportion BH and AH	75% BH / 25% AH			
Workforce				
Workforce Type	SCHADS Award Level	Hours worked	Proportion of Business hours and After Hours	Estimated % of Direct Care
Tertiary Qualified	Level 6	0.4 FTE	Business hours only	30% Direct Care
Vocational Qual	Level 5	2.0 FTE	60% BH and 40% AH	70% Direct Care
Vocational Qual	Level 3-4	6.0 FTE	60% BH and 40% AH	70% Direct Care
Evidence Base				•
Level of Evidence:				
Key Reference:			004) in Cassar Bartolo, K and g Lived Experience Phase 1,	

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0836

	Victoria.
Limitations of Evidence:	
Recommendations for future research:	

Service Activity – Individual Carer Support linked to accessing and maintaining safe and secure housing including practical skills for maintaining a home and living well

General description

Support services provided specifically towards a family/ friend/ support person or carer 's personal goals for the establishment and maintenance of safe and secure housing. The services are provided on a one-to-one basis, assisting a person to maintain or change their housing circumstances (including succession planning for the care of the person with mental illness), remaining sensitive to cultural and multi-generational needs. (eg. Supporting family/ friend/ support person or carers in the practical maintenance of their housing, accessing appropriate housing options as required, multi-generational living arrangements, homeless people or for those at risk of homelessness).

Information Gathering

Psychosocial needs assessment and functional assessment identifying housing needs, support available, personal strengths and areas for support and/or development. Also includes the provision of information that identifies different housing options and outlines access issues

Planning

Development of a person centred recovery plan inclusive of support networks driven by the family/ friend/ support person or carer that identifies housing goals, referral pathways, housing providers, resource options and advocates as appropriate and associated skill development and action required.

Action

As per the recovery plan, support the family/ friend/ support person or carer in establishing and maintaining housing arrangements including:

- Resources: Establish financial resources, legal and tenancy support, practical support (both personally and in relation to property maintenance), processes to support skill development. Engaging assertively with the housing market is critical to establishing safe and secure housing. Particularly in the context of liaising/networking and following up on commitments made, supporting accommodation hunting and development of the housing application. Also support family/ friend/ support person or carer to access public housing tenancy support officers and rental assistance schemes, or assist with the installation of security devices, advancing or assisting with bond money and removal costs as indicated in the support issues identified.
- Skill Development (including Rehabilitation Focus): Develop skills to improve competence and confidence in community living, particularly in relation to managing tenancy matters.
- Social/Cultural Context: Ensure housing allocation is safe and appropriate to personal and cultural circumstances.
- Health and Wellbeing: Improve independence and resilience and ensure appropriate support is provided to maintain a healthy home environment.

EXHIBIT 233 DBK.500.002.0837

Issues for consideration relevant to particular family/ friend/ support person or carers include the following:

- Young Carers/COPMI Is the young carer / COPMI safely and securely housed now?
 Do they need special housing support to attend school, do homework, maintain the house / garden, participate in social activities, pay the rent, manage finances, purchase and prepare food, etc. (Identify and quantify the additional actions required to provide the support needed.)
- Family/ friend/ support person or carer of 0 12 yrs. child with mental health problem Housing location provides access to specialised and/or sympathetic schooling, therapeutic or social programs. Liaison with schools, childcare facilities. Financial support for repairs or additional safety and security features in housing.
- Family/ friend/ support person or carer of a young person (13 24 yrs.) with mental health problem –
 Supporting them in setting personal and family boundaries to maintain safe and secure housing
 (skills development, practical support).
- Family/Friend/Support Person or Carer of an ageing person with mental health problems –
 Supporting the family/friend/support person or carer to find appropriate separate supported
 residential accommodation for an elderly frail person with a mental health problem. May include sale
 or division of property that the family/friend/support person or carer and ageing person have lived in
 for many years.
- Ageing family/ friend/ support person or carers > 65 yrs (including those frail of any age) Consider need for a ground floor dwelling, ease of access to local shops, transport, support for maintaining the house and yard, home modifications, tenancy / housing succession planning and increased respite services.

Outcomes

Stability of housing, individual housing goals are met and opportunity and right for community participation in accordance to personal goals. Reviews to ascertain whether or not desired outcomes have been / are being achieved and how effectively; makes adjustments to or closes episode of support, accordingly. Returns to assessment, planning and implementation phases as indicated, to meet the same or another identified need for support.

Collaboration

Individuals, family, friends and support people, housing providers, income support or management, mental and general health clinical and community support services, financial brokers, succession planning for secure housing for the person with mental illness, legal services, tribunals and other social, health and community opportunities. Supports and encourages the family/friend/support person or carer to participate in social and community activities.

Service Activity – Individual Carer Support linked to education and/or employment

General description

Individual support services provided specifically towards a family/friend/support person or carer's personal goals towards education and employment. The services are provided on a one-to-one basis, and generally target the functions of accessing and supporting education and employment opportunities rather than providing the education and employment services themselves.

Information Gathering

Psychosocial needs assessment and functional assessment identifying education and employment targets, motivation to work and/or study, self-identified support needs, support available, personal strengths and areas for development. Also includes the provision of information that identifies different education/employment options and outlines access issues.

EXHIBIT 233 DBK.500.002.0838

Planning

Development of a person-centred plan driven by the family/ friend/ support person or carer that identifies education and/or employment goals, referral pathways, service providers, resource options and advocates as appropriate and associated skill development and action required. Particularly need to consider the long term of positive effects of supporting people back into school, which further supports post-secondary study and subsequent employment opportunities (McLaren, K (2004) Work in Practice – Best practice employment support services for people with mental illness, NZ).

Action

As per the personal plan, support the family/friend/support person or carer in accessing and maintaining education and employment through the following activity:

- Resources: Provide career counselling and assistance in course selection and enrolment
 procedures, linking to other services as required. (VETE)Establish financial counselling and access
 to financial support, transport services and employment/education practical support. Engage
 assertively with the employment and education providers to ensure a flexible and supportive
 environment is established.
- Skill Development (including Rehabilitation Focus): Provide or provide access to, re-skilling, skills
 development or confidence building courses such as computer training, preparing curriculum vitae,
 preparing for job interviews, time management, and assertiveness training. Establishing effective
 employment strategies early in the illness trajectory may have life-long impact on employment
 outcomes for both the person with mental illness and family, friends, support people and carers,
 preventing secondary disability and associated economic and social costs. Providing a specialist
 VETE service ensures employment and education remain a high priority when other issues required
 addressing by the care coordinator (eg decline in mental or physical health). (VETE)
- Social/Cultural Context: Address stigma, encourage a sympathetic work/education environment able
 to accommodate circumstances such as unplanned absences to support the person they care for
 during fluctuating periods of episodic illness. Provide flexible support tailored to individual need,
 tutoring and flexible delivery of education courses or employment arrangements promotes the
 likelihood of success. (VETE)
- Health and Wellbeing: Close links and integration with care coordination services, primary care, crisis intervention and accommodation issues will support the stability of health of the person being cared for and support the family/friend/support person or carer's progress towards achieving their vocational and educational goals. (VETE)

Outcomes

Participation in employment, improved income, sustained or stable involvement in employment and education, greater personal independence / 'space'.

Collaboration

Establish agreements with the person being cared for and (as indicated) develop a backup plan with other services to provide or increase support during family/friend/support person or carer's absence at work. Foster a close working relationship with income support services and Job Capacity Assessors to ensure referrals to employment services are processed appropriately. There is a need to establish mental health carer support positions dedicated to vocational and educational issues to enhance employment and educational outcomes. Enhanced intersectoral links, particularly between mental health, generic employment and education services (e.g. Resume production, course content information), Disability Employment Services, TAFE, Universities and other social support services.

Frost, B., Morris, A., Sherring, J. and Robson, E. (2008) Vocational Education, Training and Employment (VETE) Pilot Project Report – Psychiatric Rehabilitation Services 2006-2007, NSW Health, Sydney.

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233 DBK.500.002.0839

Service Activity – Individual Carer Support linked to enhanced relationships and social participation

General description

Working with the family/friend/support person or carer to identify and develop social interests and to identify and manage any potential or actual negative impact from their caring role. Aim is to access activities within the local and broader community and to identify relationships which are important to the family/friend/support person or carer and work on developing, maintaining and growing those relationships. This may require working directly with the family/friend/support person or carer to develop their personal skills, or may be a matter of managing the logistics and responsibilities of their caring role (e.g. provision of respite).

Information Gathering

Identify what the person's social interests are and availability in the community. Work with the family/ friend/ support person or carer to identify support people who may be available to assist with accessing and participating in the desired activities. Consider issues such as isolation, previous relationships that have been neglected or otherwise negatively impacted by the caring role, and build personal confidence and desire for increased socialisation.

Planning

Work with the family/ friend/ support person or carer to develop a personal plan that involves developing the skills to find, access and participate in community activities and develop social relationships. Consider the motivational status of the individual and assist the family/ friend/ support person or carer in planning each aspect of participation in social activities including identifying the resources and skill development required.

<u>Action</u>

As per the personal plan:

- Resources: Establish financial resources to assist with funding community activities or access to community activities. Identify and establish support to access and engage in community activities Eg. transport, respite etc. Identify support people to assist with community integration and participation (may include workers).
- Skill Development (including Rehabilitation Focus): Identify and develop skills required to access and participate in community activities e.g. Self-confidence, social presentation and communication skills.
- Social/Cultural Context: Ensure activities planned are socially and culturally appropriate and relevant to the priorities and desire of the individual.
- Health and Wellbeing: Promote activities that will assist in the development of improved health and well being.

Outcomes

Increasing social participation and community engagement in order to meet goals connected to social inclusion.

Collaboration

The person with mental illness, family, friends, support people and carers, organisations providing courses and activities, educational and vocational providers, community organisations, non government organisations.

EXHIBIT 233 DBK.500.002.0840

Service Activity - Individual Carer Support linked to health management

General description

Assisting a person in a caring role to improve or maintain his or her health or wellness. In particular, avoiding self-neglect and actively seeking or establishing strategies and activities that promote good health and wellbeing. Examples might include regular physical health assessment and treatment as appropriate, massage and other forms of relaxation activities, counselling and peer support, recreational activities, skill development in health practices (e.g. Cooking, cleaning, fitness) and use of personal support and respite services.

Information Gathering

Engage the participant in a relationship to develop a health management plan. Assessing health status (including physical and mental health) and barriers and enablers for good health. This includes review of physical and mental health needs, thorough history and review of medication (both physical and otherwise). The collation of physical and dental health contacts and connection to these services should be considered. Assess readiness for change and skills connected with coping, health management, menu planning, shopping, cooking and fitness.

Planning

Prioritise and set health and wellness goals by formulating a health and wellness plan, that is driven by the participant with support throughout the planning process.

Action

Support the family/friend/support person or carer in developing healthy behaviours and provide information about support access and use of resources as appropriate:

- Resources: Nicotine replacement therapy, brokerage funds (e.g. to assist in accessing gym memberships or exercise clothes), respite and/or personal support services.
- Skill Development (including Rehabilitation Focus): Support the family/ friend/ support person or
 carer in building skills in healthy practices and overall health management and to engage or
 disengage in activities which assist in improving health. Development of insight to avoid neglecting
 personal health in favour of their caring role and to establish and maintain positive coping strategies.
- Social/Cultural Context: Utilising support and respite services as required maintaining and promoting social relationships, in work, education and social/cultural environments.
- Health and Wellbeing: As above.

Outcomes

Prevent deterioration of health status and increase coping and stability of caring role.

Collaboration

General Practice and other health services, community health management organisations (e.g. Gyms, swimming pools, weight management services), other recreational, educational and vocational services and mental health care and related support services.

Service Activity – Flexible Funding Pool – Carer

Goods and/or services which are procured on behalf of the family/ friend/ support person or carer to purchase additional assistance that is not within the mental health sector. The goods and/or services are provided as part of the family/friend/support person or carer's support plan and are related to a goal within the plan. Examples are listed below. Brokerage funds may be part of or separate to the overall funding of the support "package".

Household - For example: buying cleaning equipment, replacing a fridge etc

Activities of Daily Living: For example: paying or helping to pay for a cleaner (either episodic or regularly), paying for driving lessons or bus tickets

Membership / exercise: For example: entry to swimming pools, gym membership, exercise clothes (such as swimmers), club fees for sports club.

Recreational: For example: art lessons, books for a book club, supplies for a craft group.

Vocational / Training: For example: materials or transport to training / vocational group, clothes for work opportunity.

Other: Expenses that don't fall into the preceding categories.

JRAFT IN CONFIDENCE. NOT FOR CIPCULAR Note: This service excludes consumer support as it is incorporated under another service activity:

Service Activity – Individual Carer Support Services – Staffing Profile

Summary of Staffing Profile for Individual Carer Support Services

SCHEME	STAFF CATEGORY	FTE	Other Time%	Gross hours available per day (wkly/7)	Consumer Service Delivery hours available daily	Consumer Service Delivery hours available annual	Available hours/ann um/FTE	AND THE STATE OF	Cost	FTE share	Overheads %
NMHSPF	TOTAL	9.70		63.84	31.05	11,334	1,168	#DIV/0!	#DIV/0!	100%	20%
NMHSPF	Vocationally Qualified	9.24	0.28	43.43	30.40	11,096	1,201	48,523	448,378	95%	20%
NMSPF	Peer Worker	1	0.25	4	1.2	- 12	100	#DIV/0!	4	0%	20%
NMHSPF	Tertiary Qualified	0.46	0.35	2.17	0.65	238	515		-	5%	20%
NMHSPF	Medical	5-7	0.25	-	-	6-		4-		0%	20%

NMHR	TOTAL	Total FTE (Includes Leave)	Other Time %	Hours available/ 7 days	Consumer Service Delivery Time available daily	Consumer Service Delivery Time available annual	Available hours/ann um/FTE	Salary **	Cost		O'heads %
NMHR	Total Medical			14	14		- 4		\$0	0%	20%
NMHR	Psychiatrist	11.5	0.25	- 12	41	12	2		\$0	0%	20%
NMHR	Registrar	11.5	0.25	12	4.1	1.0	20		50	0%	20%
NMHR	Junior Medical Officer		0.25	/4	4.0	14.	20		\$0	0%	20%
NMHR	Other Medical Specialis	2	0.25		- 4		- 2		\$0	0%	20%
NMHR	Total Nursing	7		- 5	71	- 7	7		\$0	0%	20%
NMHR.	Registered Nurse	7	0.25	- G	91	9	7		\$0	0%	20%
NMHR	Nurse Practitioner		0.25	0.4	1.7	10.4	3-		\$0	0%	20%
NMHR	Enrolled Nurse		0.25	1	4.		-3.7		\$0	0%	20%
NMHR	Total Allied Health	0.46		2.17	0.65	238	515		\$26,110	5%	20%
NMHR	Psychologist		0.30	-	-		-		50	0%	20%
NMHR	Social Worker	1.0	0.30	(4)		-	9.1		\$0	0%	20%
NMHR	Occupational Therapist	-	0.30	-			7		50	0%	20%
NMHR	Other TQ (eg pharmaci:	0.46	0.70	2.17	0.65	238	515	\$56,511	\$26,110	5%	20%
NMHR	VQ and Peer Workers	9.24		43.43	30.40	11,096	1,201		\$470,797	95%	20%
NMHR	Consumer Peer Worker	11.0	0.25	12	4.0	34	(2)		\$0	0%	20%
NMHR	Carer Peer Worker	14	0.25	/4	2	- 4	2-		\$0	0%	20%
NMHR	VQMH Worker	6.93	0.30	32.57	22.80	8,322	1,201	\$48,370	\$335,223	71%	20%
NMHR	VQ Other	2.31	0.30	10.86	7.60	2,774	1,201	\$58,686	\$135,574	24%	20%
	Total Available Hours					11,334					

\$496,907

Annual Cost Salaries * Including Overheads 20.0%

Version AUS V1 October 2013 TRIM Ref: H12/35030 223 Information from Care Package

Hours Per Annum for an individual Total Target Population for care pa 2,250 Total Hours Req per Annum 495,000

NMHR		Hours needed (annual)	Annual FTE	Salary **	Cost
NMHR	Total Medical	16-1	#DIV/0!		#DIV/0!
NMHR	Psychiatrist		#DIV/0!	\$0	#DIV/0!
NMHR	Registrar		#DIV/0!	\$0	#DIV/0!
NMHR	Junior Medical Officer	>	#DIV/0!	\$0	#DIV/0!
NMHR	Other Specialist		#DIV/0!	\$0	#DIV/0!
NMHR	Total Nursing	1.00	#DIV/0!		#DIV/0!
NMHR	Registered Nurse	1.6	#DIV/0!	\$0	#DIV/0!
NMHR	Nurse Practitioner	_ - 8	#DIV/0!	\$0	#DIV/0!
NMHR	Enrolled Nurse		#DIV/0!	\$0	#DIV/0!
NMHR	Total Allied Health	10,385	20.18		#DIV/0!
NMHR	Psychologists		#DIV/0!	\$0	#DIV/0!
NMHR	Social Workers	12	#DIV/0!	\$0	#DIV/0!
NMHR	Occupational Therapist	17.5%	#DIV/0!	\$0	#DIV/0!
NMHR	Other	10,385	20.18	\$56,511	\$1,140,344
NMHR	VQ and Peer Workers	484,615	403.58	1 7 7.1	#DIV/0!
NMHR	Consumer Peer Worker		#DIV/0!	\$0	#DIV/0!
NMHR	Carer Peer Worker		#DIV/0!	\$0	#DIV/0!
NMHR	VQMH Worker	363,462	302.69	\$48,370	********
NMHR	VQ Other	121,154	100.90	\$58,686	\$5,921,177

Total FTE #DIV/01 FTE/Client #DIV/01 Case load..clients/FTE #DIV/0! **Annual Cost Salaries** #DIV/0! * Including Overheads 20.0% #DIV/0!

AQMHP

		3			Nui	rsing	237.77					Medical		- 0		Α	llied Hea	lth		Peer Wo	rkers		Vocat Qua	al
De	scription	Director	CNC/NUMNE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiatrist	Registrar	- T	Other Specialist	Medical	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VØ Other	vo
		Director	OHOHOMAE	O, I		Critolica (sursc	Training.	1 Table Cite	Total	r by ormanist.	rogiona	Sull Med Oil	Olivi Opedani	Total	rojumugus	Local World	Morapia	SCHADSL6	Total	Heine	** STAGE	SCHADSL3	SCHADS LS	Total
									1000					10.00				0.4 FTE 100%BI				6.0FTE 60%BH	2.0FTE 60%BH	Hours
Base Weekly	Units	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs		Hrs		Hrs	Hrs	Hrs	Hrs	1.51.62			Hrs	Hrs	,,,,,,,,
onday	Day								-	1				_				3.0	3.0			27.0	9.1	36
	Evening	-							-					-					-			13.1	4.8	17
	Night	-												-										-
esday	Day								-					-				3.0	3.0			27,0	9,1	36
	Evening	-							-													13.2	4.9	18
	Night	-							-										-81					8
ednesday	Day								-					-				3.0	3.0			27.0	9.1	36
	Evening													-					*			13,1	4.8	17
	Nignt	-							-															-
ursday	Day																	3.1	3.1			27.0	9.1	36
	Evening		-											-					8			13.2	4.9	18
	Night) - 1												91					767			-		
day	Day	13-																3.1	3.1			27,0	9.1	36
	Evening	3																				13.2	4.8	18
	Night	-							-					-										
atumay	All shifts	-	-			-													8.0			14.0	1.4	15
unday	All shifts	-	-						-										- 40			13.2	4.9	
Total Ho	ours per week				- 1		- V							-1-1				15.2	15			228.0	76.0	304
nnual & Oth	er Leave Relief week	ks											1. 15					7		7	. 7	7	7	
n Call Episo	ides (weighted)																							
Public Holiday	's Worked																							
roductive W	eeks per FTE	52,14	52.14	52.14	52.14	52.14	52.14	52.14		52.14	52.14	52.14	52.14		52.14	52.14	52.14	45.14		45.14	45.14	45.14	45.14	
		-								+				-										
By Shift Hou	rs (Mon-Fri)	-			-	_					-				-		- ×	15	15			135	46	18
rening Hour	s (Mon-Fri)		18.	= 1		= = =	1 181	-	- 1	31	\times	E 2	[] [] []	-	-	. 8		1	T De C	8 /	В	66	24	- 1
ight Hours (Mon-Fri)		5.		5.		5-1		1 5		1 50	E 54.	1 50		5-1	3-81	1 5	1 22	2 90		(2)	1-28	× 1	-
aturday Hou	irs		544		340		-					-	(1.25)				~		200			14	1	
nday Hours	3	,, b	11 20							,	-		1			-			- ×		-	13	5	: == 13
otal Hours			F	-5.	-	-			-	1 -	-	- 1			-		F.Y	15	15	- ×.	X	228	76	3
			T			-																1 00	981	
eekly FTE's											1							0.4		-		6.0	2.0	8
Refler FTE's					-	-	-	-		A	201	(-)	3 3 3		-	0-01		0.1		0<	- ×	0.9	0.3	
Annual FTE	\$			-	-	-	-		-	1-1-1	-	-				-	-	0.5	0.5			6.9	2.3	9

*Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of labour costs. As per the MG meeting of 21 May 2013, an additional 2.0% has been added for education, training and program evaluation.

Variable inputs

Variable Inputs

Comments:

Support from sector indicated. Feedback indicated a need for more after hours time to work around carer activities. Recommended 60% BH and 40% AH. Feedback also that program manager/team leader role should be limited to SCHADS Level 6 as per roles defined in the NSW SACS/SCHADS document.

Version AUS V1 October 2013 TRIM Ref: H12/35030 224

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.3 SERVICE STREAM – SPECIALISED BED-BASED MENTAL HEALTH CARE SERVICES

Service CategoryBService ElementBPService ElementBYService ElementBAService ElementBBService ElementBOService ElementBIService ElementBIService ElementBEService ElementBTService CategoryCService ElementCYService ElementCAService ElementCAService ElementCQ	Acute Inpatient Services (Hospital Based) Acute - Perinatal and Infant Mental Health (Hospital) Acute - Child and Youth (0-17 years) (Hospital) Acute - Adult (18-64 years) (Hospital) Acute - Older Adult (65+ years BPSD) (Hospital) Acute - Older Adult (65+ years) (Hospital) Acute - Adult Eating Disorders (Hospital) Acute - Intensive Care Unit (Hospital) Acute - Psychiatric Emergency Care Unit (Hospital) Same Day Admission for Administration of ECT (Hospital) Sub-Acute Services (Residential and Hospital or Nursing Home Bases
Service Element BA Service Element BB Service Element BO Service Element BD Service Element BD Service Element BI Service Element BE Service Element BE Service Element BT Service Category C Service Element CY Service Element CA Service Element CA	Acute - Child and Youth (0-17 years) (Hospital) Acute - Adult (18-64 years) (Hospital) Acute - Older Adult (65+ years BPSD) (Hospital) Acute - Older Adult (65+ years) (Hospital) Acute - Adult Eating Disorders (Hospital) Acute - Intensive Care Unit (Hospital) Acute - Psychiatric Emergency Care Unit (Hospital) Same Day Admission for Administration of ECT (Hospital) Sub-Acute Services (Residential and Hospital or Nursing Home Base
Service Element BB Service Element BD Service Element BD Service Element BD Service Element BI Service Element BE Service Element BE Service Element BT Service Category C Service Element CY Service Element CA Service Element CA	Acute - Adult (18-64 years) (Hospital) Acute - Older Adult (65+ years BPSD) (Hospital) Acute - Older Adult (65+ years) (Hospital) Acute - Adult Eating Disorders (Hospital) Acute - Intensive Care Unit (Hospital) Acute - Psychiatric Emergency Care Unit (Hospital) Same Day Admission for Administration of ECT (Hospital) Sub-Acute Services (Residential and Hospital or Nursing Home Base
Service ElementBBService ElementBOService ElementBDService ElementBIService ElementBEService ElementBTService CategoryCService ElementCYService ElementCAService ElementCQ	Acute - Older Adult (65+ years BPSD) (Hospital) Acute - Older Adult (65+ years) (Hospital) Acute - Adult Eating Disorders (Hospital) Acute - Intensive Care Unit (Hospital) Acute - Psychiatric Emergency Care Unit (Hospital) Same Day Admission for Administration of ECT (Hospital) Sub-Acute Services (Residential and Hospital or Nursing Home Base
Service Element BD Service Element BD Service Element BI Service Element BE Service Element BT Service Category C Service Element CY Service Element CA Service Element CA	Acute - Older Adult (65+ years) (Hospital) Acute - Adult Eating Disorders (Hospital) Acute - Intensive Care Unit (Hospital) Acute - Psychiatric Emergency Care Unit (Hospital) Same Day Admission for Administration of ECT (Hospital) Sub-Acute Services (Residential and Hospital or Nursing Home Base
Service Element BD Service Element BE Service Element BT Service Category C Service Element CY Service Element CA Service Element CA	Acute - Adult Eating Disorders (Hospital) Acute - Intensive Care Unit (Hospital) Acute - Psychiatric Emergency Care Unit (Hospital) Same Day Admission for Administration of ECT (Hospital) Sub-Acute Services (Residential and Hospital or Nursing Home Base
Service Element Service Element Service Element Service Category Service Element CY Service Element CA Service Element CA Service Element CQ	Acute - Intensive Care Unit (Hospital) Acute - Psychiatric Emergency Care Unit (Hospital) Same Day Admission for Administration of ECT (Hospital) Sub-Acute Services (Residential and Hospital or Nursing Home Bas
Service Element BE Service Category C Service Element CY Service Element CA Service Element CA	Acute - Psychiatric Emergency Care Unit (Hospital) Same Day Admission for Administration of ECT (Hospital) Sub-Acute Services (Residential and Hospital or Nursing Home Bas
Service Element BT Service Category C Service Element CY Service Element CA Service Element CQ	Same Day Admission for Administration of ECT (Hospital) Sub-Acute Services (Residential and Hospital or Nursing Home Base
Service Category C Service Element CY Service Element CA Service Element CQ	Sub-Acute Services (Residential and Hospital or Nursing Home Bas
Service ElementCYService ElementCAService ElementCQ	
Service Element CA Service Element CQ	Step Up/ Step Down - Youth (Residential)
Service Element CQ	
	Step Up/Step Down - Adult (Residential)
	Rehabilitation – Adult and Older Adult (Residential)
Service Element CO	Sub-Acute Older Adult (65+ years)(Hospital)
Service Element CI	Sub-Acute Intensive Care Service (Hospital)
Service Category D	Non-Acute Extended Treatment Services (Residential and Hospita Nursing Home Based)
Service Element DI	Non-Acute - Intensive Care Service (Hospital)
Service Element DC	Non-Acute -Intensive Care Service - Older Adult(65+) (Hospital Base
Service Element DT	Non-Acute - Adult and Older Adult (24 hour support) (Residential)
Service Element DO	Non-Acute - Older Adult (Hospital/Nursing Home Based)
Service Element DS	Non-Acute - Specialised Services (Hospital/Nursing Home Based)

EXHIBIT 233 DBK.500.002.0845

2.3.1 Service Category – Acute Inpatient Services (Hospital Based)

Descriptor

Acute inpatient treatment is driven primarily by the need to respond to risk associated with a person's symptoms, behavioural disturbance and/or distress which are related to a recent onset or exacerbation of a mental illness.

Distinguishing Features

- The primary goal of care is reduction in severity of symptoms and/or distress associated with the recent onset or exacerbation of a mental illness.
- Services are delivered by a multidisciplinary team of health care professionals operating as part of a local integrated mental health service system.
- Acute care average lengths of stay are measured in days or weeks.
- Specialist stand alone units or sub-units of larger units may be provided for mothers and infants. children, young person, adults and for older adults.
- Units may be gazetted or declared to allow for involuntary detention.

Inclusions

- Acute mental health inpatient units co-located with acute general hospitals and private hospitals.
- In a small number of cases services are still provided by units located on psychiatric hospital campuses.
- Acute care provided in specialist acute units in prisons and/or forensic units (out of scope for this stage of the project).
- Acute or crisis care provided in specialist units described as psychiatric emergency care centres (PECCs) or psychiatric assessment and planning units (PAPUs) in emergency departments in general hospitals.
- Acute care provided in intensive or high dependency units operating as part of an acute mental health inpatient service. Between 10 and 20 percent of acute inpatient beds are usually provided as secure intensive care units.
- Acute care provided for mothers and infants in a designated perinatal and infant mental health unit.
- Acute care provided for adults with eating illnesses in a specialist mental health inpatient unit.
- Day only admission for the administration of Electro-convulsive therapy (ECT).

Exclusions

- Acute care provided in homes or other places in the community (considered as part of ambulatory services).
- Consultation-Liaison services provided to generic wards and emergency departments in general hospitals. (these are covered in service elements Consultation Liaison – General (Hospital). Consultation Liaison – Emergency Department (Hospital), which are part of Primary and Specialised Clinical Ambulatory MH Care Services

Example Services

- Inner West AMHS-Royal Melbourne Hospital Acute Inpatient Unit and Parkville Orygen Youth Health Acute Inpatient Unit. Victoria.
- WMIMHS Ipswich General Hospital Acute Mental Health Unit and Older Persons Acute Unit. Queensland.
- RBH-PECC Unit. Queensland.
- Birunji Youth Unit (16-28) Campbelltown Hospital. New South Wales
- Bank House Infant and Child Mental Health Unit. New South Wales.
- The Mother Baby Unit Austin Hospital, Victoria.
- The Perth Clinic Western Australia.

2.3.1.1 Service Element – Acute – Perinatal and Infant Mental Health (Hospital)

Services Delivered Show mo services Delivered Key Distinguishing United the integrations and Service specifications and Mo school and Mo schoo	protection medium term, and intermittent voluntary and involuntary, inpatient care for others and their infants, where the mother exhibits signs and/or symptoms of evere mental illness that have not responded adequately to less intensive terventions in the community and/or the safety and treatment needs of the read/family warrant admission. In this are located on general hospital campuses and designed and operated to medie special needs of mothers and babies. The inpatient unit works as part of an elegrated model which includes specialist day centre, consultation liaison and inbulatory care services which may be delivered across a number of area or districtives. In and other useful descriptors to illustrate service elements. Others in the third trimester and mothers with infants up to 36 months. Tajority of mothers may present with a primary diagnosis of major depression. Others with a variety of other illnesses can also be treated. This may include thizophrenia and related illnesses; affective illnesses; anxiety illnesses, personality and behavioural illnesses and substance use illnesses. The provided behavioural illnesses and substance use illnesses.
Services Delivered Show mo services Delivered Key Distinguishing United the integrations and Service specifications and Mo school and Mo schoo	nort to medium term, and intermittent voluntary and involuntary, inpatient care for others and their infants, where the mother exhibits signs and/or symptoms of evere mental illness that have not responded adequately to less intensive terventions in the community and/or the safety and treatment needs of the vad/family warrant admission. In this are located on general hospital campuses and designed and operated to meet especial needs of mothers and babies. The inpatient unit works as part of an attegrated model which includes specialist day centre, consultation liaison and inbulatory care services which may be delivered across a number of area or districtives. The inpatient unit works as part of an attegrated model which includes specialist day centre, consultation liaison and inbulatory care services which may be delivered across a number of area or districtives. The inpatient unit works as part of an attegrated model which includes specialist day centre, consultation liaison and inbulatory care services which may be delivered across a number of area or districtive in the third trimester and mothers with infants up to 36 months. The inpatient needs of the inpatient unit works as part of an attegrated model which includes specialist day centre, consultation liaison and insurance of area or districtive in the third trimester and mothers with infants up to 36 months. The inpatient needs of the inpatient unit works as part of an attegrated in the inpatient unit works as part of an attegrated in the inpatient unit works as part of an attegrated in the inpatient unit works as part of an attegrated in the inpatient unit works as part of an attegrated in the inpatient unit works as part of an attegrated works are located in the inpatient unit works as part of an attegrated works are located in the inpatient unit works as part of an attegrated works are located in the inpatient unit works as part of an attegrated works are located in the inpatient unit works are located in the inpatient unit works are located in th
Key Distinguishing Features Teatures Service specifications and Modelling Attentions Average unit size Hours Suggested Modelling Attentions Average length of Average length of	nits are located on general hospital campuses and designed and operated to mede special needs of mothers and babies. The inpatient unit works as part of an attegrated model which includes specialist day centre, consultation liaison and inbulatory care services which may be delivered across a number of area or distriences. And other useful descriptors to illustrate service elements. Others in the third trimester and mothers with infants up to 36 months. ajority of mothers may present with a primary diagnosis of major depression. Others with a variety of other illnesses can also be treated. This may include thizophrenia and related illnesses; affective illnesses; anxiety illnesses, personaling behavioural illnesses and substance use illnesses. Beds Ehrs / 7 days. **Tributes** The inpatient unit works as part of an inpatient unit works as
Target Age: Mo Diagnostic Profile Ma Mo sch and Average unit size 6 b Hours 24h Suggested Modelling Att % Occupancy 850 Path	others in the third trimester and mothers with infants up to 36 months. ajority of mothers may present with a primary diagnosis of major depression. others with a variety of other illnesses can also be treated. This may include chizophrenia and related illnesses; affective illnesses; anxiety illnesses, personali nd behavioural illnesses and substance use illnesses. beds lhrs / 7 days. ttributes % (specified within Bed Based Staffing profile, section: Bed Based Service
Diagnostic Profile Ma Mo sch and Average unit size Hours Suggested Modelling Att Coccupancy 850 Path Path Average length of 14	ajority of mothers may present with a primary diagnosis of major depression. others with a variety of other illnesses can also be treated. This may include chizophrenia and related illnesses; affective illnesses; anxiety illnesses, personality behavioural illnesses and substance use illnesses. beds thrs / 7 days. ttributes % (specified within Bed Based Staffing profile, section: Bed Based Service
Average unit size 6 b Hours 24h Suggested Modelling Att % Occupancy 850 Par Average length of 14	others with a variety of other illnesses can also be treated. This may include chizophrenia and related illnesses; affective illnesses; anxiety illnesses, personality dephavioural illnesses and substance use illnesses. beds thrs / 7 days. ttributes (w) (specified within Bed Based Staffing profile, section: Bed Based Service
Average unit size 6 b Hours 24t Suggested Modelling Att Occupancy 850 Path Average length of 14	beds Hrs / 7 days. ttributes % (specified within Bed Based Staffing profile, section: Bed Based Service
Hours 24h Suggested Modelling Att % Occupancy 85° Par Average length of 14	ttributes % (specified within Bed Based Staffing profile, section: Bed Based Service
Suggested Modelling Att % Occupancy 85° Par Average length of 14	ttributes % (specified within Bed Based Staffing profile, section: Bed Based Service
Par Average length of 14	
stay (LOS)	days (specified within the care packages, range from 5-14 days for this bed type
readmission rate	ithin range 7 to 10 percent
FTE/Bed acu	51 clinical Full Time Equivalent (FTE) per bed assuming co-location with oth cute inpatient mental health services and access to paediatric and lactation ervices.
Sources	 Perinatal and Infant Acute Mental Health Services Model of Service Delive QPMHS, 2011 (Draft) – Primary Source. Royal College of Psychiatrists, Standards for Mother and Baby Units, UK, 2008 NMHSPF Expert Working Group

VQ Other

Service Element – Acute – Perinatal and Infant Mental Health – Staffing Profile

Acute - Per	rinatal and Infant Mental H	lealth (Hos	spital)								
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	20.80	3.47	94.57	15.76	34,519	1,660	\$106,001	\$2,204,537	17.5	30%
NMHSPF	Vocationally Qualified	0.00	0.00	0.00	0.00	7.7	78.	\$0	\$0		30%
NMSPF	Peer Worker	1.16	0.19	5.44	0.91	1,987	1,715	\$54,844	\$63,515	1.0	30%
NMHSPF	Tertiary Qualified	18.16	3.03	81,99	13.66	29,925	1,648	\$105,047	\$1,907,925	15.2	30%
NMHSPF	Medical	1.48	0.25	7,14	1.19	2,607	1,766	\$157,865	\$233,096	1,3	30%
NMHR	TOTAL	FTE	FTE/Bed	day	ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	1,48	0.25	7.14	1.19	2,607	1,766	3760	\$233,096	1.3	30%
NMHR	Psychiatrist	0.59	0.10	2.86	0.48	1,043	1,766	\$200,564	\$118,457	0.5	30%
NMHR	Registrar	0.89	0.15	4,29	0.71	1,564	1,766	\$129,399	\$114,639	0.8	30%
NMHR	Junior Medical Officer	(2)	5-		De di	1 (-1)	11.0	\$161,745	\$0	0+0	30%
NMHR	Other Medical Specialis	- 1				-		\$200,564	\$0		30%
NMHR	Total Nursing	16.89	2.81	76.00	12.67	27,740	1,642		\$1,794,500	14.1	30%
NMHR	Registered Nurse	15.62	2.60	70.29	11.71	25,654	1,643	\$102,673	\$1,603,416	13.0	30%
NMHR	Nurse Practitioner	1.27	0.21	5.71	0.95	2,086	1,639	\$150,196	\$191,084	1.1	30%
NMHR	Enrolled Nurse	- N	- 8		* 1	1	- 3	\$74,547	\$0	-	30%
NMHR	Total Allied Health	1.27	0.21	5.99	1.00	2,185	1,715	100	\$113,426	1.1	30%
NMHR	Psychologist .	0.12	0.02	0.54	0.09	198	1,715	\$89,058	\$10,287	0.1	30%
NMHR	Social Worker	0.58	0.10	2.73	0.45	996	1,715	\$89,058	\$51,705	0.5	30%
NMHR	Occupational Therapist	0.58	0.10	2.71	0.45	991	1,715	\$89,058	\$51,434	0.5	30%
NMHR	Other TQ (eg pharmacis			.+				\$56,511	\$0		30%
NMHR	VQ and Peer Workers	1.16	0.19	5.44	0.91	1,987	1,715		\$63,515	1.0	30%
NMHR	Consumer Peer Worker	0.58	0.10	2.73	0.45	996	1,715	\$54,844	\$31,841	0.5	30%
NMHR	Carer Peer Worker	0.58	0.10	2,71	0.45	991	1,715	\$54,844	\$31,674	0.5	30%
NMHR	VQMH Worker		+		~	3-1	-	\$42,626	\$0	-	30%

Annual Cost Salaries	\$2,204,537
* Including Overheads 30%	\$2,865,898
Average Daily Available Bed Day C	\$1,309
Average Cost per Patient per annu	\$19,193

Beds	6
Availability	100%
Average Available Beds	6
ABD/Bed/Year	365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	12
Admissions/Bed/Year	27.38
Annual Readmit Rate	10%
Patients/Bed/Year	24.89

Calculato	ir.	
Number	of standardised admissions per an	num.
	d by target population	5249
Beds Req	uirred	192
Cost		\$91,516,79
Staffing		
NMHR	Total Medical	47.2
NMHR	Psychiatrist	18.9
NMHR	Registrar	28.
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	539.
NMHR	Registered Nurse	498.
NMHR	Nurse Practitioner	40.
NMHR	Enrolled Nurse	0.
NMHR	Total Allied Health	40.
NMHR	Psychologists	3.
NMHR	Social Workers	18.
NMHR	Occupational Therapists	18.4
NMHR	Other	0.
NMHR	VQ and Peer Workers	37.0
NMHR	Consumer Peer Worker	18.
NMHR	Carer Peer Worker	18.4
NMHR	VQMH Worker	.0.0
NMHR	VQ Other	0.0
Total		664.

					Nu	rsing				0		Medical				Al	llied Heal	th	- 0	Peer Wor	rkers		Voc Qual	P
Des	scription	Director	CNO/NUM/NE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar		Other Specialist	Medical Total	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health Total	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VQ Other	VQ Total
					24	4.1					- 54				- 100		-	22			Za :			Hours
lase Weekly i Day	Shift	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	40 Hrs	40 Hrs.	40 Hrs	40 Hrs	Worked	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	38	38	38 Hrs	38 Hrs	Worked
	_	nis 2		nis	nis s			nis	34	-	nis.	nis	nis	210	3.8	3.8	3.8		11.4	3.8	3.8	_	nis	7.0
londay	Day	- 2	8		16		~		24	4				10	3.8	3.8	3.8		11.4	3.8	3.8			7.6
	Evening	1	- 1		16				24															
na enden	Night	2		0	16				34					10		3.8	3.8		7.6	3.8	3.8			7.6
uesday	Day	- 4			0		_		16	4				10		3.0	3.0		7.6	3.0	3.0			7.0
	Evening Night	-	1		16				24															
Vednesday	1		1		8			i i	32					10		3.8	3.8		7.6	3.8	3.8			7.6
Curiosuay	Day	12.5			0				16	-				10		-3.0	3.0	-	7.0	3.6	3.0			7.0
	Night	- 4	1		16				24		(X	-											
hursday	Day			9	9			0	32					10		3.9	3.8		7.7	3.9	3.8		51	7.7
	Evening	141		9	16				24					-		3.5	3.0		1-1	3.5	3.0			7.7
	Night	- 4	14	9	16				24									-					-	1
riday	Day	- 0	8	8	8	_		8	32					10		3.8	3.8		7.6	3.8	3.8		-	7.6
(nataly	Evening	(2)	140	8	16				24					-		0.0	0.0		- 10	1000			-	7.0
	Night	120	141	8	16				24					-										7.1
aturday	All shifts	12	14/	24	48				72					-										¥ (
Sunday	All shifts	Q.		24	48				72															1.7
_	urs per week	- 4	40	168	280	14	- 5	40	532	20	30			50	3.8	19.1	19.0		42	19.1	19.0	- A.		38.1
nnual & Othe	r Leave Relief week		8	9	1	9 9	17	9		8			8		7	7	7		7	7	7	7	7	
on Call Episor	ies (weighted)									9	9		9											
Public Holiday	s Worked		0	11	1	1 11	11	11			11	1	11											
roductive We	eks per FTE	44.14	44.14	43.14	43.14	43.14	35.14	43.14		44.14	44.14	44.1	44.14		45.14	45.14	45.14	45.1	4	45.14	45.14	45.14	45.14	8
_																								
ay Shift Hou	s (Mon-Fri)	- 4	40	- 40	40			-40	164	20	30		J.J.	50	4	19	19		42	19	19			38
vening Hours		- 4.0	1.54	40	64		-		104		-		1.5								-			Y-1
light Hours (- 4	1	40	90				120				1-1-				-		1		à			T-1
aturday Hour			1	24	48	_	-		72				1-1-1-1			-	-							*Y-17
unday Hours			1 - 70	24	48				72				1-1-	2.1		-		- Y	2.0		-		Y-	
otal Hours		4	40	168	280	-	- 0	40	532	20	30		114	50	4	19	19	-11	42	19	19		-1-	38
		0.1	1.1	4.4	7.4			1.1	14.0	0.5	0.8	-	-	1.3	0.1	0.5	0.5	-	1.1	0.5	0.5			1.0
Veeldy FTE's			3 / 70			1		3.0			9.0	-	_											
Veekly FTE's Relief FTE's		0.0	0.2	0.9	1.5	-	× 1	0.2	2.9	0.1	0.1	-		0.2	0.0	0.1	0.1	-	0.2	0.1	0.1			0.2

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as

Variable Inputs

Comments:

Drawn from RC Psych Standards and Recommendations for Planning -PIMH Qld MHPI. Validation BK. and review NSW, WA & Vic planning profiles ALOS, Occup & Readm rates drawn from adult rates. Assumes colocation and access to lactation and peadiatric servcies.

V

a proportion of clinical services labour costs.

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

- 2.3.1.2 Service Element Acute Child and Youth (0-17 years) (Hospital)
- 2.3.1.3 Service Element Acute Adult (18-64 years) (Hospital)
- 2.3.1.4 Service Element Acute Older Adult (65+ years BPSD) (Hospital)
- 2.3.1.5 Service Element Acute Older Adult (65+ years) (Hospital)

These service elements are shown in the table below

Attribute	Details										
Status	Gazetted			XY							
Services Delivered	experiencing severe eless restrictive environs specialised assessmenterventions and prepractices and procedure.	n 24 hour inpatient assessepisodes of mental illnessement. The core businesent, best practice, evider paration for discharge dures, in a safe, therapeu	ss who cannot be adeq ss is to provide multidis nce based and collabor elivered through recove tic and person friendly	uately treated in a sciplinary rative planning, ery oriented environment.							
Key Distinguishing Features	mental illness. These symptoms of mental i distress, or risk to sel treatment effort is foc restrictive environmental no prior contact cillness for whom there	Programs primarily provide specialist psychiatric care for people with acute episodes of mental illness. These episodes are characterised by recent onset of severe clinical symptoms of mental illness that have potential to result in prolonged difficulty or distress, or risk to self and/or others. The key characteristic of acute services is that the treatment effort is focused on decreasing acuity to a level that can be treated in less restrictive environments. Acute services may be focused on assisting people who have had no prior contact or previous psychiatric history, or people with a continuing mental illness for whom there has been an acute exacerbation of symptoms									
-		descriptors to illustra	te service elements.								
Target Age:	Diagnostic Profile			- t' 1 t							
Children and	Children and adolescents may present with severe behavioural, emotional or stress-related illnesses, depression/mood illnesses, psychotic illnesses, autistic spectrum										
Adolescents											
0-17 yrs		atic stress illness or disru									
1		es in relation to develop emotional expression ar									
1		suicidal attempts or idea									
1		our, drug and alcohol is:									
1	suspension.	our, drug and alcohor is	sues and persistent soi	iooi rerusai oi							
Adults		or diagnosed severe m	ental illness, often acc	omnanied by							
18-64 yrs		ce, which could not be									
10 04 913		ctive setting. Primary di									
1		nood illness. Co-morbio									
		are common. People wit									
		ality illnesses may also b		- · , · · · ·							
. 0		ged to provide separate		or younger people.							
4.		hosis services (16-24) p									
	young people who are	e experiencing or at high	n risk of, a first episode	of psychosis and							
	are best engaged in a	comprehensive assess	ment process in an ac	ute setting or who							
	need urgent care to n	need urgent care to manage risk.									
-1/75	Conditions in older adults that may require inpatient care include mood illnesses,										
Older Adults		dults that may require in									
Older Adults 65+ yrs	psychotic illnesses, c	dults that may require inpomplex anxiety and som	atoform illnesses and	acute stress and							
	psychotic illnesses, cadjustment illnesses i	dults that may require inpomplex anxiety and some the context of personates.	natoform illnesses and a ality illness. Other com	acute stress and mon characteristics							
	psychotic illnesses, co adjustment illnesses i of people referred inc	dults that may require inpomplex anxiety and some the context of personal tude issues related to possible to possible the context of personal tude issues related to possible the context of the context of the context is the context	natoform illnesses and a ality illness. Other com	acute stress and mon characteristics							
65+ yrs	psychotic illnesses, or adjustment illnesses i of people referred inc chronic complicating	dults that may require inpomplex anxiety and some the context of personal lude issues related to pophysical conditions.	atoform illnesses and a ality illness. Other comr olypharmacy and co-m	acute stress and mon characteristics orbid acute and							
65+ yrs Older Adults	psychotic illnesses, consider adjustment illnesses in of people referred incontrol complicating. Older adults with se	dults that may require in complex anxiety and som n the context of persona lude issues related to po physical conditions. vere behavioural and	natoform illnesses and a ality illness. Other commonlypharmacy and co-monly psychological symptor	acute stress and mon characteristics orbid acute and ms associated with							
65+ yrs	psychotic illnesses, consider adjustment illnesses in of people referred incontrol complicating. Older adults with sedementia (BPSD), with adjustmentia in the sedementia in the sedement	dults that may require inpomplex anxiety and some the context of personal lude issues related to personal conditions. It is a property of the condition of the context of the condition of the c	natoform illnesses and a ality illness. Other commolypharmacy and co-molypharmacy in a less restricted	acute stress and mon characteristics orbid acute and ms associated with ictive environment.							
65+ yrs Older Adults	psychotic illnesses, consider adjustment illnesses in of people referred incontrol complicating. Older adults with sedementia (BPSD), with adjustmentia in the sedementia in the sedement	dults that may require in complex anxiety and som n the context of persona lude issues related to po physical conditions. vere behavioural and	natoform illnesses and a ality illness. Other commolypharmacy and co-molypharmacy in a less restricted	acute stress and mon characteristics orbid acute and ms associated with ictive environment.							
65+ yrs Older Adults	psychotic illnesses, consider adjustment illnesses in of people referred incontrol complicating. Older adults with sedementia (BPSD), with adjustmentia in the sedementia in the sedement	dults that may require inpomplex anxiety and some the context of personal lude issues related to personal conditions. It is a property of the condition of the context of the condition of the c	natoform illnesses and a ality illness. Other commolypharmacy and co-molypharmacy in a less restricted	acute stress and mon characteristics orbid acute and ms associated with ictive environment.							

size		Intensive care beds generally represent 10- 20% of total beds.	 Intensive care beds generally represent 10- 20% of total beds. 	
Whole of population at a rate Hours	24hrs / 7 days	24hrs / 7 days.	24hrs / 7 days	24hrs / 7 days
Suggested Modell	ing Attributes			
% Occupancy	85%	85%	85%	85%
Average LOS	14 days (range 11-14 days within the care packages)	14 days (range 7-21 days within the care packages))	14 days	14 days
Annual readmission rate	10%	10%	10%	10%
Indicative staffing FTE/Bed	Multi-disciplinary 2.49 FTE Clinical Staff per Bed Assumes access to teaching staff, speech therapists and the capacity for overnight accommodation of family members engaged in therapy	Multi-disciplinary 2.0. FTE Clinical Staff per Bed	Multi-disciplinary 1.94 FTE Clinical Staff per Bed. Physiotherapists are included in clinical staff	Multi-disciplinary 2.16 FTE Clinical Staff per Bed
Sources	 MH-CPP 201 Models of Se of early psyc Victoria, 200 Youth Early I 2007. National Ben MANUS 2008 	ervice Delivery (Various hosis: a handbook of m 4. Psychosis Status Repor chmarking Project, Rev	o.), QPMHS, Queensland anagement, Orygen Yourt, Dr Ruth Vine, Victoria view of Key Performance	outh Health, an Government,
2AFT IM CC)`			

Service Element – Acute – Child and Youth – Staffing Profile

Acute - Chi	ld and Youth (0-17 years)	(Hospital)									
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	29.87	2.49	134.43	11.20	49,066	1,642	\$103,881	\$3,103,257	12.4	30%
NMHSPF	Vocationally Qualified	3.56	0.30	16.00	1.33	5,840	1,639	\$74,547	\$265,556	1.5	30%
NMSPF	Peer Worker	1.16	0.10	5.43	0.45	1,981	1,715	\$54,844	\$63,349	0.5	30%
NMHSPF	Tertiary Qualified	22.03	1.84	97.86	8.15	35,718	1,622	\$103,633	\$2,282,559	9.1	30%
NMHSPF	Medical	3.13	0.26	15.14	1.26	5,527	1,766	\$157,108	\$491,793	1.4	30%

NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	3.13	0.26	15.14	1.26	5,527	1,766	1872	\$491,793	1.4	30%
NMHR	Psychiatrist	1.00	0.08	4.86	0.40	1,773	1,766	\$200,564	\$201,377	0.4	30%
NMHR	Registrar	1.65	0.14	8.00	0.67	2,920	1,766	\$129,399	\$213,992	0.7	30%
NMHR	Junior Medical Officer	0.47	0.04	2.29	0.19	834	1,766	\$161,745	\$76,424	0.2	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00	- 4	-	\$200,564	\$0	- 41	30%
NMHR	Total Nursing	22.70	1.89	100.29	8.36	36,604	1,613		\$2,290,945	9.3	30%
NMHR	Registered Nurse	17.87	1.49	78.57	6.55	28,679	1,605	\$102,673	\$1,834,305	7.3	30%
NMHR	Nurse Practitioner	1.27	0.11	5.71	0.48	2,086	1,639	\$150,196	\$191,084	0.5	30%
NMHR	Enrolled Nurse	3.56	0.30	16.00	1.33	5,840	1,639	\$74,547	\$265,556	1.5	30%
NMHR	Total Allied Health	2.89	0.24	13.57	1.13	4,954	1,715	300000	\$257,170	1.3	30%
NMHR	Psychologist	1.16	0.10	5.43	0.45	1,981	1,715	\$89,058	\$102,868	0.5	30%
NMHR	Social Worker	1.16	0.10	5.43	0.45	1,981	1,715	\$89,058	\$102,868	0.5	30%
NMHR	Occupational Therapist	0.58	0.05	2.71	0.23	991	1,715	\$89,058	\$51,434	0.3	30%
NMHR	Other TQ (eg pharmacis	0.00	0.00	0.00	0.00	4	A.	\$56,511	\$0	P. 1	30%
NMHR	VQ and Peer Workers	1.16	0.10	5.43	0.45	1,981	1,715		\$63,349	0.5	30%
NMHR	Consumer Peer Worker	0.58	0.05	2.71	0.23	991	1,715	\$54,844	\$31,674	0.3	30%
NMHR	Carer Peer Worker	0.58	0.05	2.71	0.23	991	1,715	\$54,844	\$31,674	0.3	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	8		\$42,626	\$0	0	30%
NMHR	VQ Other	0.00	0.00	0.00	0.00		-	\$51,717	\$0		30%

Annual Cost Salaries	\$3,103,257
* Including Overheads 30%	\$4,034,234
Average Daily Available Bed Day C	\$921
Average Cost per Patient per annu	\$15,760

Beds	12
Availability	100%
Average Available Beds	12
ABD/Bed/Year	365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	14
Admissions/Bed/Year	23.46
Annual Readmit Rate	10%
Patients/Bed/Year	21.33

Calculato	r	
Manakad	of standardised admissions per annum	
	by target population	5245
	- 17 mg - populari	
Beds Req	uired	224
Cost		\$75,148,096
Staffing		
NMHR	Total Medical	58.3
NMHR	Psychiatrist	18.7
NMHR	Registrar	30.8
NMHR	Junior Medical Officer	8.8
NMHR	Other Specialist	0.0
NMHR	Total Nursing	422.8
NMHR	Registered Nurse	332.8
NMHR	Nurse Practitioner	23.7
NMHR	Enrolled Nurse	66.4
NMHR	Total Allied Health	53.8
NMHR	Psychologists	21.5
NMHR	Social Workers	21.5
NMHR	Occupational Therapists	10.8
NMHR	Other	0.0
NMHR	VQ and Peer Workers	21.5
NMHR	Consumer Peer Worker	10.8
NMHR	Carer Peer Worker	10.8
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		556.5

NMHSPF: Service Element and Activity Descriptions

					N	ursing						Medical			Q-	Δ	Allied Heal	lth		Peer Wo	rkers		Voc Qual	- 3	AQMH
De	escription	Director	CNC/NUM/NE	CN	RN	Enrolled Nurs	Graduate Nursie Training	Practioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist		Occupational	Other	Allied Health Total	Consumer Peer Worker	Carer peer Worker	VO MH Warker	VO Other	VQ Total	All
lase Weekly	Liniste	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Hours Worked	Hours
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Worked	Hrs	Hrs	Hrs	Hrs	Horned	Hrs	Hrs	Hrs	Hrs	Worked			Hrs	Hrs	Horizon	Worker
Monday	Day	2	8			16	8	8	50	3		8		16	7.8		_		19.0						
	Evening		_		8	16	8		32				8	8						3.8	3.8			7.6	
	Night		-		8	8	8		24										-						
uesday	Day		.8		8	16	. 8	8	48	4	1	8		12	7.6	7.6	3.8	3	19.0						
	Evening	-			8	16	8		32					-					-	3.8	3,8			7.6	
	Night	-	-		8	8	8		24					-											
Wednesday	Day	2	8	- 1	8	16	8	8	50	8	1	8		16	7.8	7.6	3.8	3	19.0					, t ===-1	
	Evening				8	16	8		-32					-					-	3.8	3.8			7.6	
	Night		-		8	8	8		24				-												
Thursday	Day		8	1)	8	16	8	8	48		3	8		14	7.8	7.6	3.8	3	19.0						1 25
	Evening	-	-	- 1	8	16	8		32					-						3.8	3.8			7.6	
	Night	-			8	8	8		24					7					9					-	-
inday	Day	2	8		8	16	8	8	50		3	8		16	7.6	7.6	3.8	3	19.0					1	and the same of
	Evening				8	16	8		32			()	8	8					9	3.8	3,8			7.6	
	Night		-		8	8	8		24	W				-					9					1	1,5
Saturday	At shifts		-	2		10 1			88		-	8		8					-						
Sunday	All shifts		1+	2		10 1			88			8		8					-					1 - 20	
Total H	lours per week	6	40	16	8 28	80 11	2 56	40	702	34	56	16	1-	106	38.0	38.0	19.0	~	95	19.0	19.0			38.0	- 1
Annual & Oth	er Leave Relief week	8	8		9	9	9 1	7 9				8	8 8	7	7	7	7	7	7	7	7	7	7		
On Call Episo	odes (weighted)]	
Public Holida	ys Worked	0	0	9	H	***	H H	11			1	1 1													
Productive W	eeks per FTE	44.14	44.14	43.1	43.	14 43.	14 35.1	43.14		44.14	44.1	44.1	44.14		45.14	45.14	45.14	45.1	4	45,14	45.14	45.14	45,14		
Day Shift Hou	urs (Mon-Fri)	6	40	4	0 0	80 -	40	40	246	34	40)		74	38	38	19		95				3-1		7 -
vening Hou	rs (Man-Fri)	_		4	0 8	30 4	0 -		160	-		16	-	16	-	- 8	-		-	19	19	1 21		38	- 3
light Hours	(Mon-Fri)	-		4	0	10 4	0 -	-	120	-	-			-			-	-	-		-	2-1			
aturday Hou	N2	-	-	2	4	10 1	6 8		88	-	8	-		8	-	-	-	-			-				7
unday Houn	s			2	4	10 1	6 8	-	88		8) = ×		8	F 2	1 341		-	-		-	tt oet	7	-	
otal Hours		6	40	16	8 28	30 11	2 56	-40	702	34	56	16	-	106	38	38	19	1 ==-	95	19	19	1	- 30	38	
leekly FTE's		0.2	1.1	4.	4 7	.4 2.	9 1.5	1.1	18.5	0.9	1.4	0.4		2.7	1.0	1.0	0.5	-	2.5	0.5	0.5	-	41	1.0	
Relief FTE's		0.0	0.2	0.	9 1	.5 0.	6 0.7	0.2	4.2	0.2	0.3	0.1	-	0.5	0.2	0.2	0.1	1	0.4	0.1	0.1	1	-	0.2	
Annual FTE	5	0.2	1.2	5.3	3 8	.9 3.	6 2.2	1.3	22.7	1.0	1.7	0.6	200	3.1	1.2	1.2	0.6		2.9	0.6	0.6		- FI	1.2	2

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable inputs

Variable Inputs

Comments:

Estimate drawn from QLD staffing profiles for new servcies 2012 and Victoria (RMH). Validation BK
Does not includes capacity for day program. ALOS, Occup & Readm rates estimates only. Effective age range 12 to 17
Children predominately to peadiarteic units



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

Service Element – Acute – Adult - Staffing Profile

	ult (18-64 years) (Hospital)			Hours/	Hrs/ Bed	Hours		Wghtd		Hours/day	Overheads
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	day	avail avge	annual	FTE scalar	avge salry	Cost	/person	%
NMHSPF	TOTAL	48.09	2.00	213.91	8.91	78,079	1,624	\$107,167	\$5,153,253	9.9	30%
NMHSPF	Vocationally Qualified	3.56	0.15	16.00	0.67	5,840	1,639	\$74,547	\$265,556	0.7	30%
NMSPF	Peer Worker	1.50	0.06	7.06	0.29	2,576	1,715	\$54,844	\$82,353	0.3	30%
NMHSPF	Tertiary Qualified	36.94	1.54	161.43	6.73	58,921	1,595	\$102,523	\$3,787,089	7.5	30%
NMHSPF	Medical	6.08	0.25	29.43	1.23	10,741	1,766	\$167,383	\$1,018,255	1.4	30%
	- 1			Hours/	Hours/						
NMHR	TOTAL	FTE	FTE/Bed	day	ABD	Hrs annual	FTE scalar	Salary **	Cost	1300	O'heads %
NMHR	Total Medical	6.08	0.25	29.43	1.23	10,741	1,766	200	\$1,018,255	1.4	30%
NMHR	Psychiatrist	2.01	0.08	9.71	0.40	3,546	1,766	\$212,167	\$426,055	0.4	30%
NMHR	Registrar	3.07	0.13	14.86	0.62	5,423	1,766	\$136,885	\$420,405	0.7	30%
NMHR	Junior Medical Officer	1.00	0.04	4.86	0.20	1,773	1,766	\$171,102	\$171,796	0.2	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00	- 4-		\$212,167	\$0	9.5	30%
NMHR	Total Nursing	37,04	1.54	161,14	6.71	58,817	1,588		\$3,762,837	7.5	30%
NMHR	Registered Nurse	32.20	1.34	139.43	5.81	50,891	1,580	\$102,673	\$3,306,198	6.5	30%
NMHR	Nurse Practitioner	1.27	0.05	5.71	0.24	2,086	1,639	\$150,196	\$191,084	0.3	30%
NMHR	Enrolled Nurse	3.56	0.15	16.00	0.67	5,840	1,639	\$74,547	\$265,556	0.7	30%
NMHR	Total Allied Health	3,47	0.14	16.29	0.68	5,944	1,715	200.400	\$289,808	0.8	30%
NMHR	Psychologist	0.58	0.02	2.71	0.11	991	1,715	\$89,058	\$51,434	0.1	30%
NMHR	Social Worker	1.16	0.05	5.43	0.23	1,981	1,715	\$89,058	\$102,868	0.3	30%
NMHR	Occupational Therapist	1.16	0.05	5.43	0.23	1,981	1,715	\$89,058	\$102,868	0.3	30%
NMHR	Other TQ (eg pharmacis	0.58	0.02	2.71	0.11	991	1,715	\$56,511	\$32,637	0.1	30%
NMHR	VQ and Peer Workers	1.50	0.06	7.06	0.29	2,576	1,715		\$82,353	0,3	30%
NMHR	Consumer Peer Worker	0.92	0.04	4.34	0.18	1,585	1,715	\$54,844	\$50,679	0,2	30%
NMHR	Carer Peer Worker	0.58	0.02	2.71	0.11	991	1,715	\$54,844	\$31,674	0.1	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	10-0	-	\$42,626	\$0		30%

0.00

Annual Cost Salaries	\$5,153,253	
* Including Overheads 30%	\$6,699,229	
Average Daily Available Bed Day C	\$765	
Average Cost per Patient per annu	\$13,086	

Beds	24
Availability	100%
Average Available Beds	24
ABD/Bed/Year	365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	14
Admissions/Bed/Year	23.46
Annual Readmit Rate	109
Patients/Bed/Year	21.33

Calculato	r	
Number	of standardised admissions per an	num
	d by target population	5245
Beds Req	uirred	224
Cost		\$62,395,281
Staffing	T. 17.73	
NMHR	Total Medical	56.7
NMHR	Psychiatrist	18.7
NMHR	Registrar	28.6
NMHR	Junior Medical Officer	9.4
NMHR	Other Specialist	0.0
NMHR	Total Nursing	344.9
NMHR	Registered Nurse	299.9
NMHR	Nurse Practitioner	11.8
NMHR	Enrolled Nurse	33.2
NMHR	Total Allied Health	32.3
NMHR	Psychologists	5.4
NMHR	Social Workers	10.8
NMHR	Occupational Therapists	10.8
NMHR	Other	5.4
NMHR	VQ and Peer Workers	14.0
NMHR	Consumer Peer Worker	8.6
NMHR	Carer Peer Worker	5.4
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		447.9

NMHR VQ Other

					Nu	rsing						Medical				Α	llied Heal	th	·	Peer Wo	rkers		Voc Qual		AQ
De	scription	Director	CNC/NUM/NE	ON	RN	Enrolled Nurs	Graduale Nurse Training	Nurse Praditioner	Nursing Total	Paychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist.	Social Worker	Occupational Therapist	Other	Allied Health Total	Consumer Peer Worker	Carer peer Worker	VO MH Worker	VQ Other	VQ Total	
																								Hours	1.0
Base W eekly Day	Hours	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	40 Hrs	40 Hrs	40 Hrs	40 Hrs	Worked	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	38	38	38 Hrs	38 Hrs	Worled	W
Monday	Day	4	12	16			_	8	72	12	8			26	3.8	7.6		3.	22.8	7.6	3.			11.4	
	Evening	- +	11	16	24	1	8		56		8			8										F- 97	
	Night	+		16	16	-	8		40					-				-							100
Tuesday	Day	4	12	16	16		8	8	72	10	8	E		24	3.8	7.6	7.6	3.	8 22.8	7.6	3.	8		11,4	
	Evening		- + Y	16	24	1 8	8		56		8			8									1		-
	Night	-	-	16	16	-	8		40	-				-										8-	
Wednesday	Day	4	12	16	16		8	8	72	12	8			28	3.8	7.6	7.6	3.	B 22.8		3.	8		3.8	-
	Evening	-	-	16	24	1	8		56		8			8					*					8	
	Night		-	16	16	-	8		40										-						
Thursday	Day	4	12	16	16		8	8	72	10	8	•		24	3.8	7.6	7.6	3.	22.8	7.6	3.	8		11.4	
	Evening			16	24	1 8	8		56		8			8					-						
	Night		-	16	16	-	8		40															-	
riday	Day	. 4	12	16	16		8	8	72	12	8			28	3.8	7.6	7.6	3.	22.8	7.6	3.	В		11,4	
	Evening		- 1	16	24		8		56		8			8					-					-	
	Night			16	16	-	8		40					×					- %					× 4	
Saturday	All shifts		-	48	56	16	24		144	6	12			18					1 - 8					187	
Sunday	All shifts		-	48	56	16	24		144	6	12			18			-		3					1 - 2	
Total H	ours per week	20	60	336	392	112	168	40	1,128	68	104	34		206	19.0	38.0	38.0	19.0	114	30.4	19.0	1-1-		49.4	
Annual & Oth	er Leave Relief wee		8	9		9	9 17	9		8	8		8		7	7	7		7	7		7 7	7		
On Call Episo	odes (weighted)																								
Public Holida	ys Worked		0 0	- 11	1	1 1	1 11	11			- 11	- 11	- 11												
Productive W	eeks per FTE	44.1	4 44.14	43.14	43.1	43.1	4 35.14	43.14	1	44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.1	4	45.14	45.1	45.14	45.14		
Day Shift Hoi	urs (Mon-Fri)	20	60	80	80	40	40	40	360	56	40	34		130	19	38	38	19	114	30	19			49	
Evening Hou	rs (Mon-Fri)	6	= -	80	120	40	40	7.1	280	-	40	34		40	18		8.1	-	(3.18.)	January .	8	8.1	3)	8.4	
Night Hours	(Mon-Fri)		11 38	80	80	-	40	T.	200	8		1 8	B	1 8	18	-	В	8	8	1 = 8.0	8	8.1	3	8.7	
Saturday Hou	urs	2		48	56	16	24		144	6	12	18	50.1	18	50		2 3 1		17 50		2:	1 72	2	93.0	
Sunday Hour	8		4-74	48	56	16	24		144	6	12	1	2-81	18	· \$ 1		2 61		12 - 23	N		1		-	
Total Hours		20	60	336	392	112	168	40	1,128	68	104	34	- 8.	206	19	38	38	19	114	30	19	2		49	
Weekly FTE		0.5	1.6	8.8	10.3	2.9	4.4	1.1	29.7	1.7	2.6	0.9		5.2	0.5	1.0	1.0	0.5	3.0	0.8	0.5	-	× .	1,3	
Relief FTE's		0.1	0.3	1.8	2.2	0.6	2.1	0.2	7.4	0.3	0.5	0.2		0.9	0.1	0.2	0.2	0.1	0.5	0.1	0.1			0.2	
Annual FTE	S	0.6	1.9	10.7	12.5	3.6	6.6	1.3	37.0	2.0	3.1	1.0	340	6.1	0.6	1.2	1.2	0.6	3.5	0.9	0.6	¥.		1.5	- 1

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable Inputs
Comments:

Estimate drawn from QLD staffing profiles

for new servcies 2012.

ACT MOSD New Acut Inpatient Unit, RMH, AH ALOS, Occup & Readm rates estimates only.

Modelled to include IC Services at 15-20%

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^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

Service Element – Acute – Older Adult BPSD - Staffing Profile

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	34.57	2.16	156.63	9.79	57,169	1,654	\$97,553	\$3,372,234	10.9	30%
NMHSPF	Vocationally Qualified	10.69	0.67	48.00	3.00	17,520	1,639	\$74,547	\$796,667	3.3	30%
NMSPF	Peer Worker	1.85	0.12	8.69	0.54	3,170	1,715	\$54,844	\$101,358	0.6	30%
NMHSPF	Tertiary Qualified	18.14	1.13	81.09	5.07	29,596	1,632	\$99,029	\$1,795,913	5.6	30%
NMHSPF	Medical	3.90	0.24	18.86	1.18	6,883	1,766	\$174,007	\$678,297	1.3	30%

NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	3.90	0.24	18.86	1.18	6,883	1,766		\$678,297	1.3	30%
NMHR	Psychiatrist	1.65	0.10	8.00	0.50	2,920	1,766	\$212,167	\$350,869	0.6	30%
NMHR	Registrar	1.65	0.10	8.00	0.50	2,920	1,766	\$136,885	\$226,372	0.6	30%
NMHR	Junior Medical Officer	0.59	0.04	2.86	0.18	1,043	1,766	\$171,102	\$101,056	0.2	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00			\$212,167	\$0	+	30%
NMHR	Total Nursing	25,13	1.57	111.71	6.98	40,776	1,623		\$2,309,389	7.8	30%
NMHR	Registered Nurse	13.80	0.86	60.86	3.80	22,213	1,609	\$102,673	\$1,417,181	4.2	30%
NMHR	Nurse Practitioner	0.64	0.04	2.86	0.18	1,043	1,639	\$150,196	\$95,542	0.2	30%
NMHR	Enrolled Nurse	10.69	0.67	48.00	3.00	17,520	1,639	\$74,547	\$796,667	3.3	30%
NMHR	Total Allied Health	3,70	0.23	17.37	1.09	6,341	1,715	1	\$283,190	1.2	30%
NMHR	Psychologist	0,35	0.02	1.63	0.10	594	1,715	\$89,058	\$30,860	0.1	30%
NMHR	Social Worker	1.16	0.07	5.43	0.34	1,981	1,715	\$89,058	\$102,868	0.4	30%
NMHR	Occupational Therapist	0.58	0.04	2.71	0.17	991	1,715	\$89,058	\$51,434	0.2	30%
NMHR	Other TQ (eg pharmacis	1.62	0.10	7.60	0.48	2,774	1,715	\$60,619	\$98,028	0.5	30%
NMHR.	VQ and Peer Workers	1.85	0.12	8.69	0.54	3,170	1,715		\$101,358	0.6	30%
NMHR	Consumer Peer Worker	0.92	0.06	4.34	0.27	1,585	1,715	\$54,844	\$50,679	0.3	30%
NMHR	Carer Peer Worker	0.92	0.06	4.34	0.27	1,585	1,715	\$54,844	\$50,679	0.3	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00		÷.	\$42,626	\$0	18	30%
NMHR	VQ Other	0.00	0.00	0.00	0.00		-	\$51,717	50	-	30%

Annual Cost Salaries	\$3,372,234
* Including Overheads 30%	\$4,383,905
Average Daily Available Bed Day C	\$751
Activities Committee Bushing the Land	C40 045

Average Cost per Patient per annu

Beds	16
Availability	100%
Average Available Beds	16
ABD/Bed/Year	365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	14
Admissions/Bed/Year	23,46
Annual Readmit Rate	10%
Patients/Bed/Year	21.33

Calculato	or .	
Number	of standardised admissions per an	num
and the same of the	d by target population	5245
Beds Reg	uirred	224
Cost	unred	\$61,246,217
Staffing		
NMHR	Total Medical	54.5
NMHR	Psychiatrist	23.1
NMHR	Registrar	23.1
NMHR	Junior Medical Officer	8.3
NMHR	Other Specialist	0.0
NMHR	Total Nursing	351.0
NMHR	Registered Nurse	192.8
NMHR	Nurse Practitioner	8.9
NMHR	Enrolled Nurse	149.3
NMHR	Total Allied Health	51.6
NMHR	Psychologists	4.8
NMHR	Social Workers	16.1
NMHR	Occupational Therapists	8.1
NMHR	Other	22.6
NMHR	VQ and Peer Workers	25.8
NMHR	Consumer Peer Worker	12.9
NMHR	Carer Peer Worker	12.9
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		482.9

					Nur	rsing				0		Medical				A	Ilied Healt	h		Peer Work	ers		Voc Qual		AQM
Desc	ription	Director	CNC/NUM/NE	CN	RN		Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off.	Other Specialist	Medical Total	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health Total		Cater peer Worker	VG MH Worker	VQ Other	VQ Total	A
														100										Hours	Ho
lase Wieekly H	ours	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked	Wort
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs		
fonday	Day	2	8	8	8	16	8	4	54	8	8	4		20	3.8	7.6	3.8	7.6	22.8	7.6	7.6			15.2	
	Evening.	-		8	8	24			40					~ (×						-
	Night	-		8	8	8			24					× '										× .	4
jesday	Day	2	8	8	8	16	8	4	54	8	8	4		20		7.6	3.8	7.6	19.0	7.6	7.6			15.2	
	Evening	-	-	8	8	24			40					-					-					-	
	Night.	+	€ 1	8	8	8			24		1			9					-						10 11 11 11 11
ednesday	Day	2	8	8	8	16	8	4	54	8	8	4		20	3.8	7,6	3.8	7.6	22.8						
	Evening	- 1	+	8	8	24			40		1								~					~	1.0
	Night.	-		8	8	8			24				-	- >- \					-					~	111
nursday	Day	2	8	8	8	16	8	4	54	.8		4		20		7,6	3.8	7.6	19.0	7.6	7.6			15.2	7
	Evening	_		8	8	24			40					8					-					- 'Q'	
	Night	-	-	8	8	8			24					8											
day	Day	2	8	- 8	8	16	8	-4	54	8	8	4		20	3.8	7.6	3.8	7.6	22.8	7.6	7.6			15.2	
	Evening	-	- 1	- 8	8	24			40					-										-	
	Night	-	- 1	8	8	8			24					-					*					~	
aturday	All shifts	-	-	24	24	48			96	8	8			16				7.6	7.6					~	7
unday	All shifts	-	-	24	24	48			96		8			16				7.6	8						
Total Hou	rs per week	10	40	168	168	336	40	20	782	56	56	20		132	11.4	38.0	19.0	53.2	122	30.4	30.4	1.0	1.0	60.8	40.00
		,																							7
nnual & Other	Leave Relief weel		8	9	9	9 9	17	9		8	8	8	8		7	7	7	7		7	7	7	7		
n Call Episodi	es (weighted)												1												
iblic Holidays	Worked	0	0	≥11	11	11	- 11	11			11	11	- 31												
roductive Wee	ks per FTE	44.14	44.14	43.14	43.14	43.14	35.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.14		45.14	45.14	45.14	45.14		
y Shift Hours	(Mon-Fri)	10	40	40	40	80	40	20	270	40	40	20		100	11	38	19	38	106	30	30		-	61	
ening Hours	(Mon-Fri)			40	40	120			200	piet.							4.			-	-				
ght Hours (M	on-Fri)	-	-	40	40	40	-	-	120	774											-		-		
turday Hours		-		24	24	48		- 1	96	8	8	0.1		16		-		8	8	2+		- 9	ο -		
nday Hours			3.1	24	24	48		1	96	8	8	30		16	8.1	- 8	8	8	8	8	- 85				
tal Hours		10	40	168	168	336	40	20	782	56	56	20	- ×	132	11	38	19	53	122	30	30	- 8	(A)	61	
ekly FTE's		0.3	1.1	4.4	4.4	8.8	1.1	0.5	20.6	1.4	1.4	0.5	5.4	3.3	0.3	1.0	0.5	1.4	3.2	0.8	0.8	-		1.6	
	- 1	0.0		0.9	0.9		0.5				0.3	0.1		0.6		0.2		0.2		0.1	0.1			0.2	
ellet FTE's		0.0	U.Z.	0.0	0.0	1.0	0.0	V.1	Mass.	0.0	0.0	v. I		0.0	0.0	V.2	U. C	0.2	0.0	96.4	M-1	-		0.2	

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable Inputs

Comments: No models available

Validation RMcK

ALOS, Occup & Readm rates estimates only.

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

Service Element – Acute – Older Adult - Staffing Profile

Acute - Old	der Adult (65+ years) (Hosp	pital)		1							
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	31,01	1.94	140.63	8.79	51,329	1,655	\$103,427	\$3,206,869	9.8	30%
NMHSPF	Vocationally Qualified	3.56	0.22	16.00	1.00	5,840	1,639	\$74,547	\$265,556	1.1	30%
NMSPF	Peer Worker	1.85	0.12	8.69	0.54	3,170	1,715	\$54,844	\$101,358	0.6	30%
NMHSPF	Tertiary Qualified	21.70	1.36	97.09	6.07	35,436	1,633	\$99,627	\$2,161,659	6.7	30%
NMHSPF	Medical	3.90	0.24	18.86	1.18	6,883	1,766	\$174,007	\$678,297	1,3	30%
NMHR	TOTAL	FTE	FTE/Bed	Hours/	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	3.90		18.86		34 S. S. S. W. C. Z.			\$678.297	13	2000

NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	3.90	0.24	18.86	1.18	6,883	1,766		\$678,297	1.3	30%
NMHR	Psychiatrist	1.65	0.10	8.00	0.50	2,920	1,766	\$212,167	\$350,869	0.6	30%
NMHR	Registrar	1.65	0.10	8.00	0.50	2,920	1,766	\$136,885	\$226,372	0.6	30%
NMHR	Junior Medical Officer	0.59	0.04	2.86	0.18	1,043	1,766	\$171,102	\$101,056	0.2	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00	100	19	\$212,167	\$0	- 71	30%
NMHR	Total Nursing	21.56	1.35	95.71	5.98	34,936	1,620		\$2,144,025	6.6	30%
NMHR	Registered Nurse	17.37	1.09	76.86	4.80	28,053	1,615	\$102,673	\$1,782,927	5.3	30%
NMHR	Nurse Practitioner	0.64	0.04	2.86	0.18	1,043	1,639	\$150,196	\$95,542	0.2	30%
NMHR	Enrolled Nurse	3.56	0.22	16.00	1.00	5,840	1,639	\$74,547	\$265,556	1.1	30%
NMHR	Total Allied Health	3.70	0.23	17.37	1.09	6,341	1,715	cea.	\$283,190	1.2	30%
NMHR	Psychologist	0,35	0.02	1.63	0.10	594	1,715	\$89,058	\$30,860	0.1	30%
NMHR	Social Worker	1.16	0.07	5.43	0.34	1,981	1,715	\$89,058	\$102,868	0.4	30%
NMHR	Occupational Therapist	0.58	0.04	2.71	0.17	991	1,715	\$89,058	\$51,434	0.2	30%
NMHR	Other TQ (eg pharmacis	1.62	0.10	7.60	0.48	2,774	1,715	\$60,619	\$98,028	0.5	30%
NMHR	VQ and Peer Workers	1.85	0.12	8.69	0,54	3,170	1,715		\$101,358	0.6	30%
NMHR	Consumer Peer Worker	0.92	0.06	4.34	0.27	1,585	1,715	\$54,844	\$50,679	0.3	30%
NMHR	Carer Peer Worker	0.92	0.06	4.34	0.27	1,585	1,715	\$54,844	\$50,679	0.3	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	3.7	8.1	\$42,626	\$0	9.1	30%
NMHR	VQ Other	0.00	0.00	0.00	0.00		-0.7	\$51,717	\$0	10	30%

Annual Cost Salaries	\$3,206,869
* Including Overheads 30%	\$4,168,930
Average Daily Available Bed Day C	\$714
Average Cost per Patient per annu	\$12.215

Beds	16
Availability	100%
Åverage Available Beds ABD/Bed/Year	16 365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	14
Admissions/Bed/Year	23.46
Annual Readmit Rate	10%
Patients/Bed/Year	21.33

Calculato	or .	
Number	of standardised admissions per an	num
	d by target population	5245
1000	70-10-10-10-10-10-10-10-10-10-10-10-10-10	
Beds Req	uirred	224
Cost		\$58,242,874
Staffing		
NMHR	Total Medical	54.5
NMHR	Psychiatrist	23.1
NMHR	Registrar	23.1
NMHR	Junior Medical Officer	8.3
NMHR	Other Specialist	0.0
NMHR	Total Nursing	301.3
NMHR	Registered Nurse	242.6
NMHR	Nurse Practitioner	8.9
NMHR	Enrolled Nurse	49.8
NMHR	Total Allied Health	51.6
NMHR	Psychologists	4.8
NMHR	Social Workers	16.1
NMHR	Occupational Therapists	8.1
NMHR	Other	22.6
NMHR	VQ and Peer Workers	25.8
NMHR	Consumer Peer Worker	12.9
NMHR	Carer Peer Worker	12.9
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		433.2

					Nu	rsing						Medical			;	Α.	Ilied Heal	th		Peer Wo	rkers		Voc Qual		AQMHP
De	scription	Director	CNC/NUM/NE	CN	FIN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist	Social Worker	Occupational Therapisi	Other	Allied Health Total	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VQ Other	VQ Total	All Total
									150															Hours	Hours
Base Weekly		38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worled	38	38	38	38	Worked	Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hts	**	Hrs	Hrs	Hrs	Hrs	20	Hrs.	Hrs	Hrs	Hrs	00.0	7.0	-	Hrs	Hrs	10.0	404
Monday	Day	2	8	8	16	8	8	4	46 32					20	3.0	B 7.6	3.8	7.	6 22.8	7.6	7.1	6		15.2	104
	Evening	-			16				24				1												24
Tuesday	Night				10			-	46					20		7,6	3.8	7.	6 19.0	7.6	7.0			15.2	100
uesuay	Day Evening			0	16	0		- 4	32		-			20		7,0	-3.0		0 13.0	7.0	7.	0		15.2	32
	Night				16	-			24					-								-		-	24
Wednesday	Day	2			10				46					20	3.8	7.6	3.8	7.	6 22.8						89
recurrency	Evening	- 2		0	16				32		,			- 20	3.0		3.0	1.	22.0						32
	Night			8	16	_			24				1								+	+ +			24
Thursday	Day	2		9			g.		46			8		20		7,6	3.8	7.	6 19.0	7.6	7.3	6		15.2	100
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Evening			à	ie				32							1	-	-		7.5	15			10.0	32
	Night			à	16	-			24				1												24
Finday	Day	2	8	8			8	- 4	46			8		20	3.8	7.6	3.8	7.	6 22.8	7,6	7.	6		15.2	104
	Evening			a a	16	8 8	- 1		32						-			-						100	32
	Night	1		8	16				24				41												24
Saturday	All shifts	-1-	1 1	24	40				80	8		8		16				7.	6 7.6	4					104
Sunday	All shifts	12	1	24					80	8		8	*	16		*	*	7.			*				104
	lours per week	10	40	168	280	0 112	40	20	670	56	56	20		132	11.4	38.0	19.0			30.4	30.4	100	- 2	60.8	984
10,231	out o per meen	-	- 40	100			40	2.0	5,5		-			,,,,		55.5	10.0	55							-
Annual & Oth	ner Leav e Relief wee	8	8		9	9 9	17	9		8		8	8		7	7	7		7	7		7 7	7		
On Call Epis	odes (weighted)									4									ī						
Public Holida	ys Worked		- 0	1:	1 1	1 11	- 11				-1	1 1	-11						ī						
	eeks per FTE	44.14	44.14	43.14	4 43.1	4 43.14	35.14	43.14		44.14	44.1	44.1	44.14		45.14	45.14	45.14	45.1	4	45.14	45.1	4 45.14	45.14		
		n																							
Day Shift Ho	urs (Mon-Fri)	10	40	40	40	0 40	40	20	230	40	40	20	-	100	11	38	19	38	106	30	30			61	497
Evening Hou	rs (Mon-Fri)			40	80	0 40		-	160	- 9		-		-	-					-	-	-			160
Night Hours	(Mon-Fri)		-	40	80	- 0	-	-	120		-		-	-	-		-	-	3		-	-	-		120
Saturday Hot	urs .	16	3	24	40	16	-		80	8	8			16	-	-		1	8	-	-	-		-	104
Sunday Hour	8	32		24	40	16			80	8		-	3	16	-		-	- 4	8		-	5		-	104
Total Hours		10	40	168	280	112	40	20	670	56	56	20		132	- 11	38	19	50	3 122	30	30	1	-	61	984
Mankis FT		0.3	44	1 24		4 20	44	0.5	17.0	4.4	1 44	T nr	1 0	20	0.0	1 +0	0.5		1 00	0.0		1	- 1	10	24.
Weekly FTE		0.0				_		0.5						3,3	0.3								-	0.2	24.1
Relief FTE:		0.3							-					3.9		1	1		-					1.8	31.0
Annual FTE	8	0.3	1.2	5,3	8.5	3.6	1.6	0.6	21.6	1.7	1./	0.6		3,9	0.3	1.2	0.6	1.6	3.7	0.9	0.9		4	1.8	31.0

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable Inputs

Comments:

Estimate drawn from QLD staffing profiles

for new servcies 2012 and St George H, NSW.

Validation R Mc Kay

ALOS, Occup & Readm rates estimates only.



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.3.1.6 Service Element - Acute - Adult Eating Disorders (Hospital)

Note: In the current model, this service element has not been used within the care packages, instead the expert working group decided to model this care as:

- SEV_AMB_Eat (Severe, Ambulatory only, Eating Disorders), with a day program rather than a bed based stay, and
- SEV_ABB_Eat (Severe, Ambulatory and Bed-Based, including hospital stay), which is modelled as ambulatory care following a stay in one of: Acute Adult(18-64 years) hospital bed, Acute Intensive Care Unit (hospital) bed or Acute medical/surgical bed (hospital non-MH).

	7.4
Attribute	Details
Status	Gazetted
Services Delivered	Short to medium term voluntary and involuntary, inpatient care for adults with an eating disorder that meet defined medical and/or psychological risk factors, who cannot be managed safely or effectively in a community setting. Clinical treatments include medical monitoring, weight restoration and supportive meal therapies, individual and group therapies and recovery oriented discharge planning.
Key Distinguishing Features	Units are located on general hospital campuses and designed and operated to meet the special needs of people with eating illnesses. Units usually operate as specialist sub programs collocated with general adult inpatient units. This arrangement reflects the unique challenges of meeting the needs of this group of people. The inpatient unit works as part of an integrated model which includes specialist day programs and consultation liaison and ambulatory care services. Staffing profiles include dieticians.
Service specification	ns and other useful descriptors to illustrate service elements.
Target Age:	Adults.
Diagnostic Profile	People with Anorexia Nervosa, Bulimia Nervosa, Eating Disorder Not Otherwise Specified or Binge Eating Disorder who meet defined physical, mental and eating disorder signs and symptoms. Key criteria include, BMI <14, BP < 90/60, level of suicide risk, severity of clinical depression and presence of substance misuse.
Average unit size	5 beds
Hours	24hrs / 7 days.
Suggested Modellin	g Attributes
% Occupancy	85%
Average LOS	21 days
Annual readmission rate	10%
Indicative staffing FTE/Bed	Multi-disciplinary 2.56. FTE Clinical Staff per Bed. Assumes collocation with acute inpatient mental health unit and dietician engaged as part of unit staffing profile.
Sources	 Eating Disorders Services Model of Service Delivery, QPMHS, 2011 (Draft). Primary source. ANZAED Position Statement, Inpatient Services for Eating disorders, 2007. Service Model: South Australian Statewide Specialist Eating Disorder Services, SA Health, 2011. Clinical mental health service responses for people with eating disorders in Victoria, Department of Human Services, Victorian Government, 2009 NMHSPF Expert Working Group

NMHSPF: Service Element and Activity Descriptions

DBK.500.002.0860

Service Element – Acute – Adult Eating Disorders – Staffing Profile

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	12,81	2.56	58.89	11.78	21,493	1,678	\$98,274	\$1,258,771	12.4	30%
NMHSPF	Vocationally Qualified	1.78	0.36	8.00	1,60	2,920	1,639	\$74,547	\$132,778	1.7	30%
NMSPF	Peer Worker	0.92	0.18	4.34	0.87	1,585	1,715	\$54,844	\$50,679	0.9	30%
NMHSPF	Tertiary Qualified	8.39	1.68	38.26	7.65	13,964	1,664	\$96,049	\$805,919	8.1	30%
NMHSPF	Medical	1.71	0.34	8.29	1.66	3,024	1,766	\$157,284	\$269,396	1.7	30%

NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	1.71	0.34	8.29	1.66	3,024	1,766	- X	\$269,396	1.7	30%
NMHR	Psychiatrist	0.30	0.06	1.43	0.29	521	1,766	\$200,564	\$59,229	0.3	30%
NMHR	Registrar	0.59	0.12	2.86	0.57	1,043	1,766	\$129,399	\$76,426	0.6	30%
NMHR	Junior Medical Officer	0.83	0.17	4.00	0.80	1,460	1,766	\$161,745	\$133,742	0.8	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00	+		\$200,564	\$0	34	30%
NMHR	Total Nursing	7.75	1,55	34.86	6.97	12,723	1,642		\$745,229	7.3	30%
NMHR	Registered Nurse	5.97	1.19	26.86	5.37	9,803	1,643	\$102,673	\$612,452	5.7	30%
NMHR	Nurse Practitioner	0.00	0.00	0.00	0.00	100		\$150,196	\$0	4	30%
NMHR	Enrolled Nurse	1.78	0.36	8.00	1,60	2,920	1,639	\$74,547	\$132,778	1.7	30%
NMHR	Total Allied Health	2.43	0.49	11.40	2.28	4,161	1,715	176773	\$193,467	2.4	30%
NMHR	Psychologist	1.16	0.23	5.43	1.09	1,981	1,715	\$89,058	\$102,868	1,1	30%
NMHR	Social Worker	0.58	0.12	2.71	0.54	991	1,715	\$89,058	\$51,434	0.6	30%
NMHR	Occupational Therapist	0.00	0.00	0.00	0.00	7		\$89,058	\$0		30%
NMHR	Other TQ (eg pharmaci:	0.69	0.14	3.26	0.65	1,189	1,715	\$56,511	\$39,165	0.7	30%
NMHR	VQ and Peer Workers	0.92	0.18	4.34	0.87	1,585	1,715		\$50,679	0.9	30%
NMHR	Consumer Peer Worker	0.58	0.12	2.71	0.54	991	1,715	\$54,844	\$31,674	0.6	30%
NMHR	Carer Peer Worker	0.35	0.07	1.63	0.33	594	1,715	\$54,844	\$19,005	0.3	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	2	. 3.1	\$42,626	\$0	12	30%
NMHR	VQ Other	0.00	0.00	0.00	0.00	4 - 4 -	.6.1	\$51,717	\$0	-	30%

0.00	\$51,7	17	\$0
	Annual Cost Salaries	\$1,2	58,771
	* Including Overheads 30%	\$1,6	36,403
	Average Daily Available Bed Da	y C	\$897
	Average Cost per Patient per ar	nnu \$	87,212

Bed Based Service Para	meters
Beds	5
Availability	100%
Average Available Beds	5
ABD/Bed/Year	365
Occupancy	95%
OBD/Bed Year	346.8
ALOS (days)	84
Admissions/Bed/Year	4.13
Annual Readmit Rate	10%
Patients/Bed/Year	3.75

Calculato	r	
Number	of standardised admissions per annu	ım
	d by target population	5245
Beds Req	uirred	1271
Cost		\$415,842,126
Staffing		
NMHR	Total Medical	435.3
NMHR	Psychiatrist	75.0
NMHR	Registrar	150.1
NMHR.	Junior Medical Officer	210.1
NMHR	Other Specialist	0.0
NMHR	Total Nursing	1968.5
NMHR:	Registered Nurse	1515.8
NMHR	Nurse Practitioner	0.0
NMHR.	Enrolled Nurse	452.6
NMHR	Total Allied Health	616.4
NMHR	Psychologists	293.5
NMHR	Social Workers	146.8
NMHR.	Occupational Therapists	0.0
NMHR	Other	176.1
NMHR	VQ and Peer Workers	234.8
NMHR	Consumer Peer Worker	146.8
NMHR	Carer Peer Worker	88.1
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		3255.0

					Nu	rsing						Medical				A	llied Hea	th		Peer Wo	rkers	2	Voc Qual	
Des	scription	Director	CNC/NUM/NE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiatrist	Registrar		Other Specialist	Medical	Psychologist	71	Occupational Therapist	Other	Allied Health	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VO Other	VQ
									Total	2				Total					Total					Total
W W. W.	-		-	- 44	44					in.		-	34	ale text	- 24		120					-	44	Hours
ase Weekly l	Shift	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	40 Hrs	40 Hrs	40 Hrs	40 Hrs	Worked	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	38	38	38 Hrs	38 Hrs	Worked
onday	Day	4	8	8	1113	8	111.5	1113	28	2	1,115		1115	14	7.6		144	3.8	15.2	7.6	3.8		1113	11.4
	Evening		-	8					8						1.5	0.0		-	- 10.2	7.0	-			10.4
	Night			8					8					- 20										-317
sday	Day			8		8			16	2				6	7.6	3.8		3.8	15.2					2.0
	Evening			8					8															
	Night			8					8					- 0					-					
dnesday	Day			8		8			16	2	4			14	7.6	3.8		3.8	15.2	3.8	3.8			7.6
	Evening			8					8					-		- 1			-					201
	Night			8					8					i i										2.1
ursday	Day			8		8			16	2		- 4		10	7.6	3.8		7.6	19.0					- A13
	Evening	-		8					8					-										1011
	Night			8					8					-										
lay	Day	-	B	8		8			24	2	4			14	7.6	3.8		3,8	15.2	7.6	3.8			11.4
	Evening			8		-			8										-			1		
	Night		-	8					8					8					-					
turday	All shifts	-	2	24		8			32															a
nday	All shifts	3 - 3 -	-	24		8			32										-					
Total Ho	urs per week	4	16	168	7.	56	- 13	Y .	244	10	20	28	¥	58	38.0	19.0	-	22.8	80	19.0	11.4			30.4
																			5					
nual & Othe	r Leave Relief week	8	8	9		9 9	17	9		8	8		8		7	7		7		7	7	7	7	
Call Episod	des (weighted)																							
ublic Holiday	s Worked		0	- 11	1	1 11	11	11			11	11	11											
oductive We	eks per FTE	44.14	44.14	43.14	43.1	4 43.14	35.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.14	U.	45.14	45.14	45.14	45.14	
															P									
y Shift Hour	s (Mon-Fri)	4	16	40		40	-	-	100	10	20	28		58	38	19		23	80	19	- 11		1-01	30
ening Hours	(Mon-Fri)		-	40	-				40		-				-		-						-	
ght Hours (f	Mon-Fri)	8	-	40	2 -	-	-		40	-1-	-	-	8	81	-	-	-1-	1-	-	-	-		-	
turday Hour	5			24		8	-	- ×	32	-	-	-	- V			-			-		`~	~ .		1 ×5
nday Hours			-	24		8	-	9	32		-	-			-	-		4.0			*		- 8	* 1
tal Hours		4	16	168	1	56			244	10	20	28	-	58	38	19	- N-	23	80	19	11			30
akly ETE-		0.1	0.4	4.4		1.5			6.4	0.3	0.5	0.7		1.5	1.0	0.5		0.6	2.1	0.5	0.3			0.8
seldy FTE's		0.0		0,9		0.3	-		1.3	0.0				0.3	0,2	-		0.6	0.3		0.0	+		0.1
elef FTE's		0.0		5.3		1.8		-	7.7									0.7						0.9
nnual FTE's	4	0.1	0.5	5.3		1.8			1.1	0.3	0.6	8.0	Y	1.7	1.2	0.6		0.7	2.4	0.6	0.3		7	0.9

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable Inputs

Comments:

Estimate only drawn from existing comparable servcies QLD (RBH).

Other AH is a Dietician

ALOS, Occup & Readm rates estimates only.



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.3.1.7 Service Element - Acute - Intensive Care Unit (Hospital)

Attribute	Details
Status	Gazetted
Services Delivered	Intensive Care Units (ICU) provide higher levels of supervision and support to people with severe mental illness or mental disorder who require containment, stabilisation and engagement in a therapeutic relationship. In general terms people admitted to an ICU have/experience/present with a high level of behavioural disturbance and complex symptoms such that management in a less restrictive setting is not suitable. A specific risk assessment and management plan is developed to respond to the person's distress and any associated behavioural disturbance. The plan usually identifies predictors, triggers and signs and symptoms of increasing agitation/potential aggression. The plan identifies preventative strategies, deescalation strategies, and if required, the use of prescribed medication.
Key Distinguishing Features	An ICU is a lockable area usually within an acute mental health unit designed to provide short term safe, secure low stimulus care for involuntary people experiencing severe/complex behavioural disturbance. The emphasis is on containment, management and stabilisation of the distress/disturbance with transfer to a less restrictive environment as soon as indicated and appropriate. When in use the ICU is staffed specifically to meet the high level needs of those requiring this level of care, supervision and support. Treatment in an ICU should not be confused with
•	ns and other useful descriptors to illustrate service elements.
Target Age:	Adults, young people and older adults.
Diagnostic Profile	A person who, as a result of their illness, distress or dysfunction, exhibits levels of clinical risk, including potential risk of harm to themselves or others, to a degree that they cannot be safely treated in a less restrictive area of the acute mental health unit
Average incidence	Between 10% and 20% of all acute beds will be occupied by people requiring intensive care.
Average unit size	5 beds
Hours	24hrs / 7 days.
Suggested Modelling	g Attributes
% Occupancy	85%
Avg length of stay	14 days (specified within the care packages, range is 7-49 days for this bed type)
Annual readmission rate	10%
Indicative staffing FTE/Bed	Multi-disciplinary 4.1FTE Clinical Staff per Bed
Sources	 Adult Acute Inpatient Model of Service Delivery, QPMHS, 2011. MH-CPP 2010 Guidelines for Operation of Mental Health High Dependency Units in Queensland. Queensland Government, 2004. NMHSPF Expert Working Group

Service Element – Acute – Intensive Care Unit – Staffing Profile

Acute - Int	ensive Care Unit (Hospital)										
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	20.49	4.10	86.97	17.39	31,745	1,549	#DIV/0!	\$2,216,162	19.3	30%
NMHSPF	Vocationally Qualified	0.00	0.00	0.00	0.00	ж.	- X	#DIV/0!	.\$0	3-6	30%
NMSPF	Peer Worker	0.00	0.00	0.00	0.00			#DIV/0!	.\$0	1	30%
NMHSPF	Tertiary Qualified	19.72	3.94	83.26	16.65	30,389	1,541	\$106,486	\$2,099,996	18.5	30%
NMHSPF	Medical	0.77	0.15	3.71	0.74	1,356	1,766	\$151,296	\$116,166	0.8	30%
				Hours/	Hours/				7++		
NMHR	TOTAL	FTE	FTE/Bed	day	ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	0.77	0.15	3.71	0.74	1,356	1,766		\$116,166	0.8	30%
NMHR	Psychiatrist	0.24	0.05	1.14	0.23	417	1,766	\$200,564	\$47,383	0.3	30%
NMHR	Registrar	0.53	0.11	2.57	0.51	939	1,766	\$129,399	\$68,783	0.6	30%
NMHR	Junior Medical Officer	0.00	0.00	0.00	0.00	-	H	\$161,745	.\$0	4	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00	Н.		\$200,564	.\$0	100	30%
NMHR	Total Nursing	19.03	3.81	80.00	16.00	29,200	1,535		\$2,038,275	17.8	30%
NMHR	Registered Nurse	17.25	3.45	72.00	14.40	26,280	1,524	\$102,673	\$1,770,757	16.0	30%
NMHR	Nurse Practitioner	1.78	0.36	8.00	1.60	2,920	1,639	\$150,196	\$267,518	1.8	30%
NMHR	Enrolled Nurse	0.00	0.00	0.00	0.00		(×.)	\$74,547	.\$0		30%
NMHR	Total Allied Health	0.69	0.14	3.26	0.65	1,189	1,715	1	\$61,721	0.7	30%
NMHR	Psychologist	0.35	0.07	1.63	0.33	594	1,715	\$89,058	\$30,860	0.4	30%
NMHR	Social Worker	0.00	0.00	0.00	0.00	1.	1.6	\$89,058	\$0	7	30%
NMHR	Occupational Therapist	0.35	0.07	1.63	0.33	594	1,715	\$89,058	\$30,860	0.4	30%
NMHR	Other TQ (eg pharmacis	0.00	0.00	0.00	0.00		- (A)	\$56,511	\$0	9.0.	30%
NMHR	VQ and Peer Workers	0.00	0.00	0.00	0.00	-	-		\$0	- De-	30%
NMHR	Consumer Peer Worker	0.00	0.00	0.00	0.00	-	-	\$54,844	50	(p-6	30%
NMHR	Carer Peer Worker	0.00	0.00	0.00	0.00			\$54,844	\$0	1.5	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00		191	\$42,626	\$0	1.2	30%
NMHR	VQ Other	0.00	0.00	0.00	0.00			\$51,717	50		30%

Annual Cost Salaries	\$2,216,162
* Including Overheads 30%	\$2,881,010
Average Daily Available Bed Day C	\$1,579
Average Cost per Patient per annu	59,647

Beds	5
Availability	100%
Average Available Beds	5
ABD/Bed/Year	365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	5
Admissions/Bed/Year	65.70
Annual Readmit Rate	10%
Patients/Bed/Year	59.73

Bed Based Service Parameters

Calculato	r	
Number	of standardised admissions per an	num
	d by target population	5245
Beds Req	uirred	80
Cost		\$45,999,692
Staffing		
NMHR	Total Medical	12.3
NMHR	Psychiatrist	3.8
NMHR	Registrar	8.5
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	303.8
NMHR	Registered Nurse	275.4
NMHR	Nurse Practitioner	28.4
NMHR	Enrolled Nurse	0.0
NMHR	Total Allied Health	11.1
NMHR	Psychologists	5.5
NMHR	Social Workers	0.0
NMHR	Occupational Therapists	5.5
NMHR	Other	0.0
NMHR	VQ and Peer Workers	0.0
NMHR	Consumer Peer Worker	0.0
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		327.1

					Nu	rsing						Medical				Α	Ilied Healt	h		Peer Wo	orkers		Voc Qual		AQMH
D	scription	Director	CNC/NUM/NE	CN	FIN	Enrolled Nurse	Graduate Nurse Training	Nurse Practtioner	Nursing	Psychiatrist	Registrar	Jun Med Öff	Other Specialist	Medical	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health	Consumer Peer Worker		VQ MH Worker	VQ Other	vo	All
									Total					Total					Total					Total	Tota
i i i i i i i i i i i i i i i i i i i				-		-		-	Street I		-	-		324 50.00					1000	720	-			Hours	Hour
Base Weekly Day	Hours	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	40 Hrs	40 Hrs	40 Hrs	40 Hrs	Worked	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worled	38	38	38 Hrs	38 Hrs	Worled	Worke
Monday	Day	nis	tus	nis o	nis	rits	nis	nis	32		ms	nis	rus		3.8	ms	3.8	ms	7.6	-		nis	nis		1
NCI KJAY	Evening						0		24			•		. 0	-0.0		-3.0		7.0					-	
	Night	- 2		8					24															100	
uesday	Day			8	-		9	8	32					6											
desay	Evening	_		8			8		24					-											
	Night			9	9		9		24																
Vednesday	Day			8	8		8	8	32			2		4	3.8		3.8		7.6						
	Evening			8	8		8		24					1	-										
	Night			8	8		8		24					-								1		_	
nursday	Day			8	8		8	8	32			1		4											
-	Evening	_		8	8		8		24					-								1			
	Night			8	8		8		24					- 6					-					1991	
nday	Day	-		8	8		8	8	32	2		4		6	3.8		3.8		7.6					-	
	Evening	-	*	8	8		8		24					-										-	
	Night		1411	8	8		8		24					-					-					-	
Saturday	All shifts	+	1411	24	24		24		80										-						
Sunday	All shifts	+1.	14.	24	24		24	8	80					- 2								1			
Total H	lours per week		- >	168	168	-	168	56	560	8	18		15	26	11.4	-	11.4		23	× .	4	E-97.	9.	361	1
Annual & Ott	er Leav e Relief wee		8	9		9 9	17	9		7 8		8 8	8		7	7	7		7	7	7	7 7	7	i.	
On Call Epis	odes (weighted)																								
Public Holida	ys Worked		0	11	1	i ii	ii	- 11			1	i ii	- 11												
roductive W	eeks per FTE	44.14	44.14	43.14	43.14	43.14	35.14	43,14		44.14	44.1	44.14	44.14		45.14	45.14	45.14	45.1	4	45,14	45.1	45.14	45.14		
Day Shift Ho	urs (Mon-Fri)	~	~	40	40	-	40	40	160		18			26	11		11.	-	23	-	-				
vening Hou	rs (Mon-Fri)	-	-	40	40	-	40	-	120		-	T 0-0	C-00		-			-	-	F = 3-5	-	-		3-1	
light Hours	(Mon-Fri)	-	-	40	40	-	40	-	120		-	-			j			-	-		-		3-5		
Saturday Ho	irs	×	×1	24	24		24	8	80								- 5		-	47.5	-		1 6		
Sunday Hour	8	·		24	24		24	8	80		-		-	-1	-			-			-		-		
otal Hours		- K	- 4	168	168	× 1	168	56	560	8	18	-		26	.11		-11		23	-	-			C SIL	1.0
Veekly FTE	8			4.4	4.4		4.4	1.5	14.7	0.2	0.5		-	0.7	0,3		0.3		0.6				6 SA		11 - 2
Relief FTE		-		0.9	0.9	-	2.1	0.3	4.3	0.0	0.1	-	-	0.1	0.0	-	0.0	-	0.1	-	100	1-1	J 93	0-1	
Annual FTE	's			5.3	5.3	-	6.6	1.8	19.0	0.2	0.5	12		0.8	0.3	4	0.3	12	0.7			9-0		- 40 t	2

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable Inputs

Estimate drawn from QLD staffing profiles

for new servcies 2012.

ALOS, Occup & Readm rates estimates only.



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.3.1.8 Service Element - Acute - Psychiatric Emergency Care Unit (Hospital)

Note: In the current model, this service element has not been used within the care packages.

Attribute	Details
Status	Gazetted
Services Delivered	To provide mental health triage, assessment and brief treatment in a safe environment for people presenting to hospital emergency departments with acute mental health problems. Psychiatric Emergency Care Units (PECU's) provide a short term alternative which may prevent admission, support effective use of available inpatient acute beds and support Emergency Department staff to safely and effectively respond to the needs of people with mental health problems and associated behavioural disturbance and distress.
Key Distinguishing	The PECU is usually located within or adjacent to a Hospital Emergency
Features	Department. In some cases it may be collocated with an acute inpatient unit. It is designed to provide a low stimulus environment with combinations of open bays and single rooms with controlled entry and egress. Also referred to as Psychiatric Assessment and Planning Units (PAPU) and Mental Health Assessment Unit (MHAU)
	ns and other useful descriptors to illustrate service elements.
Target Age:	Adults, older adults and young people.
Diagnostic Profile	A person with an acute mental health problem and associated behavioural disturbance and distress who is medically stabilised and requires psychiatric assessment, brief treatment and support to return to the community or to transition to inpatient care.
Average unit size	4 beds
	One unit for each hospital with > 500 general hospital beds.
Hours	24hrs / 7 days.
Suggested Modelling	g Attributes
% Occupancy	95%
Average LOS	2 days
Annual	Not applicable.
readmission rate	
Indicative staffing FTE/Bed	Multi-disciplinary primarily nursing and medical 4.52FTE Clinical Staff per Bed
Sources	 Emergency Department Mental Health Service Mapping Project (Report B), Department of Human Services, Victorian Government, December 2007. MH-CPP 2010 Mental Health Care, framework for emergency Department Services, Victorian Government, 2007. Review of Emergency Mental Health Services in North Metropolitan Perth, Department of Health, Western Australia, 2007. Development of Australia's first Psychiatric Emergency Centre, Australasian Psychiatry, Vol13, September 2005. NMHSPF Expert working groups

Service Element – Acute – Psychiatric Emergency Care Unit – Staffing Profile

Acute - Psy	ychiatric Emergency Care U	nit (Hospi	ta()								
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	18,07	4.52	82.00	20.50	29,930	1,656	#DIV/0!	#DIV/0!	21.6	30%
NMHSPF	Vocationally Qualified	1.78	0.45	8.00	2.00	2,920	1,639	\$74,547	\$132,778	2.1	30%
NMSPF	Peer Worker	0.00	0.00	0.00	0.00	-	-	#DIV/0!	50	-	30%
NMHSPF	Tertiary Qualified	14.05	3.51	63.14	15.79	23,047	1,641	#DIV/0!	#DIV/0!	16.6	309
NMHSPF	Medical	2.24	0.56	10.86	2.71	3,963	1,766	\$156,696	\$351,682	2.9	30%
	1			Hours/	Hours/						
NMHR	TOTAL	FTE	FTE/Bed	day	ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	2.24	0.56	10.86	2.71	3,963	1,766	100	\$351,682	2.9	30%
NMHR	Psychiatrist	0.59	0.15	2.86	0.71	1,043	1,766	\$212,167	\$125,310	0.8	30%
NMHR	Registrar	1.65	0.41	8.00	2.00	2,920	1,766	\$136,885	\$226,372	2.1	30%
NMHR	Junior Medical Officer	0.00	0.00	0.00	0.00	100	1.0	\$171,102	\$0	1,61	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00		-	\$212,167	\$0	_ **	30%
NMHR	Total Nursing	15.83	3.96	71.14	17.79	25,967	1,641		\$1,574,837	18.7	30%
NMHR	Registered Nurse	14.05	3.51	63.14	15.79	23,047	1,641	\$102,673	\$1,442,060	16.6	30%
NMHR	Nurse Practitioner	0.00	0.00	0.00	0.00	100	-	\$150,196	50	-	30%
NMHR	Enrolled Nurse	1.78	0.45	8.00	2.00	2,920	1,639	\$74,547	\$132,778	2.1	30%
NMHR	Total Allied Health	0.00	0.00	0.00	0.00	7	7	201/C1	\$0		30%
NMHR	Psychologist	0.00	0.00	0.00	0.00	-	7	\$89,058	\$0	-	30%
NMHR	Social Worker	0.00	0.00	0.00	0.00	0.0	-	\$89,058	\$0	040	30%
NMHR	Occupational Therapist	0.00	0.00	0.00	0.00	100	-	\$89,058	\$0	-	30%
NMHR	Other TQ (eg pharmacis	0.00	0.00	0.00	0.00	-	-	\$56,511	\$0	-	30%
NMHR	VQ and Peer Workers	0.00	0.00	0.00	0.00	-3.0	- 1		\$0		30%
NMHR	Consumer Peer Worker	0.00	0.00	0.00	0.00	(3)	(2)	\$54,844	\$0	18	30%
NMHR	Carer Peer Worker	0.00	0.00	0.00	0.00	-		\$54,844	.50	2	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	-		\$42,626	50	-	30%
NMHR	VQ Other	0.00	0.00	0.00	0.00			\$51,717	50	-	30%

Annual Cost Salaries	\$1,926,519
* Including Overheads 30%	\$2,504,475
Average Daily Available Bed Day C	51,715
Average Cost per Patient per appu	53 972

Beds	4
Availability	100%
Average Available Beds	4
ABD/Bed/Year	365
Occupancy	95%
OBD/Bed Year	346.8
ALOS (days)	2
Admissions/Bed/Year	173.38
Annual Readmit Rate	10%
Patients/Bed/Year	157.61

Calculato		_
Number	of standardised admissions per an	num
multiplie	d by target population	5245
Beds Req	uirred	30
Cost		\$18,941,56
Staffing		
NMHR	Total Medical	17.0
NMHR	Psychiatrist	4.5
NMHR	Registrar	12.
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	119.
NMHR	Registered Nurse	106.3
NMHR	Nurse Practitioner	0.0
NMHR	Enrolled Nurse	13.
NMHR	Total Allied Health	0.0
NMHR	Psychologists	0.0
NMHR	Social Workers	0.0
NMHR	Occupational Therapists	0.0
NMHR	Other	0.0
NMHR	VQ and Peer Workers	0.0
NMHR	Consumer Peer Worker	0.0
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		136.7

	1				Nui	sing						Medical				A	Ilied Healt	h		Peer Wo	rkers		Voc Qual	
Descr	ription	Director	CNC/NUM/NE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psy chologist	Social Worker	Occupational	Other	Allied Health Total	Consumer Peer	Carer peer Worker	VQ MH Worker	VQ Other	VQ Total
		100	200	20	20	20	20	200	Made	40	40	10	40	Minara	20	20	20	20	West-a	20	70	20	20	Hours
ase Weekly Ho Day	Shift	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	Hrs	40 Hrs	40 Hrs	40 Hrs	Worked	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worled	38	38	38 Hrs	38 Hrs	Worled
-14	Day	2	-	16	8		100	1500	34		4		2 - 17	8	1							770		100
	Evening	1	1	16	8				24		4			4										3.7
1	Night	-	1 4	8		8			24										-	1				
esday	Day			16					24		- 4			8										- V
	Evening	1	C I sell	16	8				24		- 4			4										~ 4
-	Night		(1 41	8	8	8			24															
ednesday	Day			16	8				24		4			8										
	Evening	-	1000	16	8				24		4		1	- 4			1							
	Night			8	8	8			24															
hursday	Day			16	8				24	4	4			8								1		- 7
	Evening			16	8				24) =	4			4					-			1		- 7
	Night		100	8	8	8			24															811
iday	Day	-	8	16	8				32	4	- 4			8					-			1		
	Evening			8	8				16)	4			4					-					
	Night	3.0	100	8	8	8			24)				-			1		19					
Saturday	All shifts	-	100	32	24	8			64		8			. 8					1+1					-1
unday	All shifts	-	-	32	24	8			64		8			8					-			4	1	-/
Total Hour	rs per week	2	16	256	168	56	3 E 16.7	0 = 2 (498	20	56	1 3	× .	76	~	11 3 -31	8	- 3	~	1 3	- 4	10		Α.
														_	9,0									
nnual & Other L	Leave Relief weel	8	8	9	9	9	17	9		8	8	8	8		7	7	7	7		7		7	7	
n Call Episodes	s (weighted)		-																					
Public Holidays V	Worked	0	0	11	11	11	- 11	Hi			- 11	11	11											
roductive Week	ks per FTE	44,14	44.14	43.14	43.14	43.14	35.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.14		45.14	45.14	45.14	45.14	
															1									
ay Shift Hours	(Mon-Fri)	2	16	80	40				138	20	20			40								1+0		
vening Hours (1	Mon-Fri)	~	-	72	40	-	-	-	112		20	-		20		-		-	1+1		_	1+0	-	- 7
ight Hours (Mo	on-Fri)	-		40	40	40	-	-	120		-	1000	-	-		-	-	-	1+1	~	-	1+1		- 7
aturday Hours				32	24	8		-	64	-	8	-		8		-		-				~	-	- 3
inday Hours				32	24	8	- 1	-	64		8		- 2	8		-		-	1			1	-	
otal Hours		2	16	256	168	56	27		498	20	56	-		76	- 3	-	-		1 31	1 3	- 8		- 3	-
leekly FTE's		0.1		6.7		_	+		13.1		1.4			1.9					-	7 4			-	
Relief FTE's		0.0		1.4		_			2.7		0.3		-	0.3	-	-	-	-		(=====================================				
Annual FTE's		0.1	0.5	8.1	5.3	1.8	-		15.8	0.6	1.7			2.2		-			-	3.1		1 2 3 3	31	

*Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

** Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs Variable Inputs

Comments:

Estimate drawn from existing QLD staffing profiles and Australasian Psychiatry, Frank,

Fawcett, Emmerson, 2005.

ALOS, Occup & Readm rates estimates only.
Registrar time split 50/50 across PECc and ED

Throughput 400 per month with 130 admitted as day or o/night

of the 130, 60 admitted o/night.

2.3.1.9 Service Element - Same day admission for the administration of ECT (Hospital)

Status Services Delivered	
Services Delivered	Day Hospital
	Electroconvulsive Therapy (ECT) for day patients.
Key Distinguishing Features	Day only admission for the administration of ECT in a day surgery unit or an ECT suite operated as part of an Acute Mental Health Inpatient Unit. ECT will often be a coordinated treatment procedure jointly managed by the Acute Mental Health Inpatient Unit and Operating Theatre.
Service specification	ns and other useful descriptors to illustrate service elements.
Target Age:	Adults, older adults and young people.
Diagnostic Profile	The principal indication for ECT is Major Depressive Disorder. It may also be given in certain circumstances for Mania, Schizophrenia or Schizoaffective illness, and other indications such as Catatonia, and Neuroleptic Malignant Syndrome. Indications for day treatment include those people with a low risk of suicide, no impairment of nutrition or hydration, no unstable concurrent medical illness, low anaesthetic risk, adequate social supports, ability to fast, and minimal cognitive impairment during treatment.
Average incidence	In Australia in 2010-2011 there were 12,700 same day separations from public hospitals for the administration of ECT. This represented .45% of all same day admissions to public hospitals in Australia.
Average unit size	If above data is accepted – it indicates that in public system there are approx 55 administrations of same day ECT per day across the country.
Hours	Business hours.
Suggested Modelling	g Attributes
% Occupancy	N/A
Average LOS	Same day
Annual readmission rate	N/A
Indicative staffing FTE/Bed	3.42 FTE per day to operate a 5 bed unit. Staffing includes Anaesthetist and appropriately credentialed Consultant Psychiatrist, Registrar, ECT Coordinator – Anaesthetist Assistant (RN), Recovery Nurse.
Sources	 Guidelines for the Administration of ECT, Director of Mental Health, Queensland Government, 2006. Royal Australian and New Zealand College of Psychiatrists. Clinical memorandum 12. The Chief Psychiatrist's Guidelines for the use of Electroconvulsive Therapy in Western Australia, Department of Health, Western Australia, 2006 ECT Policy, South Eastern Sydney Illawarra Area Mental Health Program, NSW Health, 2009. Australian Hospital Statistics 2010-2011, Australian Institute of Health and Welfare, Australian Government, November 2011. NMHSPF Expert Working Group

Service Element – Same day admission for the administration of ECT – Staffing Profile

Same Day	Admission for Administration	of ECT (Hosp	ital)					* Note worked	on 5 day we	ek.	
					Hrs/ Bed			Wghtd avge		Hours/day/	Overheads
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	avail avge	Hours annual	FTE scalar	salry	Cost	person	96
NMHSPF	TOTAL	4.06	0.81	26.40	5.28	9,636	2,372	#DIV/0!	#DIV/0!	5.3	30%
NMHSPF	Vocationally Qualified	0.76	0.15	3.43	0.69	1,251	1,639	\$59,218	\$45,203	0.7	30%
NMSPF	Peer Worker	0.00	0.00	0.00	0.00	- Die	-	#DIV/0!	\$0	-	30%
NMHSPF	Tertiary Qualified	2.06	0.41	9.43	1.89	3,441	1,671	#DIV/0!	#DIV/0!	1.9	30%
NMHSPF	Medical	1.24	0.25	6.00	1.20	2,190	1,766	\$149,062	\$184,882	1.2	30%
NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	1.24	0.25	6.00	1,20	2,190	1,766	LIEU C	5184,882	1.2	30%
NMHR	Psychiatrist	0.35	0.07	1.71	0.34	626	1,766	\$186,972	\$66,258	0.3	30%
NMHB	Registrar	0.71	0.14	3.43	0.69	1,251	1,766	\$120,630	\$85,496	0.7	30%
NMHB	Junior Medical Officer	0.00	0.00	0.00	0.00	4	-	\$150,783	\$0	2	30%
NMHR	Other Medical Specialist	0.18	0.04	0.86	0.17	313	1,766	\$186,972	\$33,129	0.2	30%
NMHR	Total Nursing	2.82	0.56	12.86	2.57	4,693	1,663		\$213,166	2.6	30%
NMHR	Registered Nurse	2.06	0.41	9.43	1.89	3,441	1,671	\$81,560	\$167,963	1.9	30%
NMHR	Nurse Practitioner	0.00	0.00	0.00	0.00	d in Deal	-	5119,310	.50	-	30%
NMHR	Enrolled Nurse	0.76	0.15	3.43	0.69	1,251	1,639	\$59,218	\$45,203	0.7	30%
NMHR	Total Allied Health	0.00	0.00	0.00	0.00			1000	\$0	-	30%
NMHR	Psychologist	0.00	0.00	0.00	0.00			\$89,058	\$0	-	30%
NMHR	Social Worker	0.00	0.00	0.00	0.00	-	-	\$89,058	\$0		30%
NMHB	Occupational Therapist	0.00	0.00	0.00	0.00		2	\$89,058	\$0	=	30%
NMHR	Other TQ (eg pharmacist)	0.00	0,00	0,00	0,00		84.	\$56,511	50	-	30%
NMHR	VQ and Peer Workers	0.00	0.00	0.00	0.00				\$0		30%
NMHR	Consumer Peer Worker	0.00	0.00	0.00	0.00	-		\$54,844	50	-	30%
NMHR	Carer Peer Worker	0.00	0.00	0.00	0.00	- 3	÷-	\$54,844	50	-	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	-	-	\$42,626	\$0		30%
NMHR	VQ Other	0.00	0.00	0.00	0.00	0	5	\$51,717	\$0		30%

Annual Cost Salaries		\$398,048
* Including Overheads at	30%	\$517,463
Average Daily Available Bed	Day Cost	\$284
Average Cost per Patient pe	rannum	566

Beds	5
Availability	100%
Average Available Beds	.5
ABD/Bed/Year	365
Occupancy	100%
OBD/Bed Year	315.0
ALOS (days)	0.2
Admissions/Bed/Year	1575.00
Annual Readmit Rate	0%
Patients/Bed/Year	1575.00

Calculator		
	f standardised admissions per annum by target population	5245
Beds Requ	irred	3
Cost		\$344,647
Staffing		
NMHR	Total Medical	0.8
NMHR	Psychiatrist	0.2
NMHR	Registrar	0.5
NMHR	Junior Medical Officer	0.0
NMHB.	Other Specialist	0.1
NMHR.	Total Nursing	1.9
NMHR	Registered Nurse	1.4
NMHR	Nurse Practitioner	0.0
NMHR.	Enrolled Nurse	0.5
NMHR	Total Allied Health	0.0
NMHR	Psychologists	0.0
NMHR	Social Workers	0.0
NMHR	Occupational Therapists	0.0
NMHR	Other	0.0
NMHR	VQ and Peer Workers	0.0
NMHR	Consumer Peer Worker	0.0
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		2.7

		Nursing							Medical						Allied Health						Voc Qual			A	
Description Base Wookly Hours		Director	CNC/NUMNE	CN 38	:RN 38	Enrolled Nurse	Training 38	Nurse Prestitioner	Nursing Total Worked	Psychiatrist	Registrar 40	Jun Med Off	Other Specialist	Medical Total			Thorapist	Other 38	Allied Health Total Worked	Worker	Worker	Worker	VQ Other	VQ Total	
		38	38			38														38	38	38	38	Hours Worked	H We
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	,,,,,,,,	Hrs	Hrs	Hrs	Hrs	1101110	Hrs	Hrs	Hrs	Hrs	,,,,,,,,,,	- 30	-	Hrs	Hrs	1,000	- 1
Monday	Day		8			8			24		1	3	2	14	4			-	1						116
	Evoning	-	2.1						~	1			-	~				5	*						
	Night		2						-				+	1			-	-	2.1						- 1
Tuosday	Day	2	8						10															4.7	- 1
	Evoning	-	8						~	H				-			,		*1						
	Night		+						~						/				~						- [
nasday	Day		8			8			24	4	1/8	В	2	1	4				.0.1						
	Evoning		2.1						-					1					91						
	Night		Ţ.,						~	9							-	4				- (
Thursday	Day	1	8							1,			1	~				1		1			1		
	Evening	92.4	*						- ×										21						
	Night	-	+0																*1					- t	
Friday	Day	-	8			8			24		1	8	. 2	1	4										
	Evening	1								7				1					-81						- 1
	Night	7.0	*						R	Υ.				7					R1	1					- 1
nurday	All shifts	3-1	3							9.			pl ==	-	10				· · · · · · · · · · · · · · · ·						- 1
ınday	All shifts	34	.+1)×	Υ							1								
Total	Hours per week	2	40	24		24		(¥4)	90	12	24		8	- 4	2 -	3+0	3+0	3-0	•	1	- P	1.0	₩:		
O s leur	ther Leav a Reliaf weeks		8		4	1	1	7 9					8		-	7 7	7		7		7	7 7		7	
	isodos (weighted)												9		9										
	days Worked	0	>0	. 1	1	11 11	1	1 11			1	11	11												
	Wooks per FTE	52.14	44.14	43.1	4 52.	14 43.14				44.14			44.14		45.14	4 45.14	45,14	45,14	1	45.1	4 45.1	4 45.14	45.14	4	
	0																								1
	lours (Mon-Fri)	2	40	24	~	24	-		90	-12	24		6	43	2		X-		-91	1	- 0		_		
oning Ho	ours (Mon-Fri)			×	-		· ·			Y Y	-	- >		- 1	_	- ×	×-		2.7	7-	-		-		
ht Hour	rs (Mon-Fri)	-					-	-	~		-	-	-	~	×	~	×-	×		-	×		-	-	
urday H	iours	-	-				-	-	-	7			1 -1		2	-	-				-	1	-		
nday Ho		-1-	×	- R	T	F	-		- 8		-	1	3	-7	Y 8-	8		1 B	1 R1	7	- 2				
tal Hour	9	2	40	24	-	24			90	12	24	-	б	43	2 -	-	· · · · · · · · · · · · · · · · · · ·	-	-			+ +	-		L
okly FT	D _e	0.1	1.1	0.6		0.6			2.4	0.3	0.6	1	0.2	11.7										-21	ſ
alief FTE		0.1	0.2		+	0.1		51	0.5		-	_	0.0	0.1	+										-
nnual FT		0.1				-		- 6-	2.8				0.0	1.5		× ×	1	- W			1				-
anual F1	E9	0.1	1.2	0.8		0.8	-		2.8	0.4	0.7		0.2	lai								-			L

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable Inputs

Comments: Estimate only

May be consolidated into Acute Unit

profile.

ALOS, Occup & Readm rates estimates only.

Validation Old model - Cairns and Rod Mckay Modelled for avg 5 treatments per day

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

EXHIBIT 233 DBK.500.002.0871

2.3.2 Service Category - Sub-Acute Services (Residential and Hospital or Nursing Home Based)

Descriptor

The category of Sub-acute services comprise three elements:

Step up/step down services

These community based residential services are provided for people who have recently experienced or who are at increasing risk of experiencing an acute episode of mental illness. The person usually requires higher intensity of treatment and care to reduce symptoms and/or distress that cannot be adequately provided in the person's home but does not require the treatment intensity provided by acute inpatient units.

Typically, people enter facility-based sub-acute care through one of two pathways

By 'stepping down' from a period of treatment in an acute inpatient unit to allow continued treatment in a supportive environment aimed at achieving further symptom reduction and recovery from the acute episode

OR

By 'stepping up' from the community when experiencing an increase in symptoms/distress to receive treatment in a supportive environment designed to prevent further deterioration and relapse and so avoid admission to hospital.

Rehabilitation services

Community based sub-acute residential rehabilitation services have a primary focus on interventions to improve functioning and reduce difficulties that may limit the person's independence. Rehabilitation services are primarily focused on addressing the disability dimension of mental illness and promoting personal recovery.

These services are characterised by an expectation that they can offer a range of interventions that will assist the person to live successfully in the community of their choice, over the short to mid-term. People admitted to rehabilitation services have complex needs associated with a mental illness. Clinical symptoms, while severe, are usually relatively stable allowing engagement in rehabilitation activities.

Intensive Care Services

Intensive care services are provided as collocations with other mental health inpatient services on hospital campuses. They provide medium term recovery oriented treatment and rehabilitation in a safe, secure, structured environment for people with unremitting and severe symptoms of mental illness and an associated significant disturbance in behaviour which precludes them receiving support safely in a less restrictive environment. Services include, specialist behavioural and symptom management programs, individualised and group rehabilitation programs aimed at maximising individual functioning and recovery oriented pre-discharge and community placement planning to support safe transition to more independent living.

Distinguishing Features

- Sub-acute step up/down and sub acute rehabilitation units for adults may also be placed on sub acute hospital campuses or delivered in community residential settings.
- Sub-acute step up/down and sub acute rehabilitation units young people (12-17) and/or adolescents (16-25) are delivered in community residential settings.
- Sub-acute rehabilitation services are often provided as collocations with non-acute residential services.
- Sub-acute rehabilitation services for older adults (65+) are generally co-located on hospital campuses with generic aged care or acute older persons inpatient services.

Version AUS V1 October 2013 252 EXHIBIT 233 DBK.500.002.0872

- Sub-acute intensive care services are provided for ages 16 to 65+ as collocations with other inpatient services on general hospital campuses or in some cases psychiatric hospital campuses.
- Services are delivered by multidisciplinary teams operating as part of a local integrated mental health service system.
- Services are delivered as collaborations between specialist clinical and community support sector services with staff available on site 24 hours per day.
- The person's needs for care are complex and require significantly higher levels of support from clinical and specialist rehabilitation staff than would normally be provided in the community.
- Improvements are expected to occur in the short to medium term and stays are measured in weeks and months, not years.
 - Step up/step down care has an average length of stay of 14 days for adults and 28 days for younger people. For adults the expected length of stay does not exceed 30 days.
 - Sub-acute service for older persons operate with an average length of stay of 70 days
 - Sub-acute rehabilitation services have average lengths of stay of 70 days for adults and older adults with expected lengths of stay not exceeding 6 months. The model for older people is a combination of step up/down and rehabilitation services.
 - Intensive care services operate with average lengths of stay of 120 days
- In contrast, non-acute services have expected lengths of stay greater than 6 months.
- Sub-acute and non-acute intensive care units are usually provided as secure units gazetted to allow for involuntary detention.

Inclusions

- Community based residential units which provide sub-acute services.
- Sub-acute community residential units are defined as bed-based facilities (usually around 5 to 20 beds) that provide overnight care with mental health trained staff available on site 24 hours per day.
- While sub-acute rehabilitation services are optimally delivered in community residential settings, this service category may include inpatient units located on general or psychiatric hospital campuses.
- Sub-acute services may be provided as a collocation with or sub-program of a residential non-acute service.
- Includes intensive care sub-acute services which are generally provided as co-locations with the non-acute hospital based intensive care program.
- Older person's mental health sub-acute units are located in nursing homes and on general or psychiatric hospital campuses.

Exclusions

- Intensive treatment and rehabilitation provided by specialist community mental health teams in homes or other places in the community.
- Personalised support with varying levels of intensity linked to housing or otherwise provided by a support worker in the persons home. These services are generally provided by the community support sector and are represented elsewhere in the NMHSPF model.
- Hospital based inpatient care in units which have been arranged to respond to the varying acuity needs of people admitted and continuing to require acute inpatient care.
- Support provided by older person's mental health teams to people with complex needs in generic nursing home beds.
- Non-acute services. While non-acute services also have a focus on recovery and rehabilitation, the expectation is a length of stay of more than 6 months
- Crisis accommodation and respite accommodation generally provided by the community support sector which does not meet criteria for a non-acute staffed residential service (i.e. not staffed for a minimum of 6 hours per day).

Example Services

• Adult prevention and recovery care (PARC) units in Victoria.

- Youth prevention and recovery care (Y-PARC) units in Victoria.
- Transitional Recovery Program, Queensland
- Sutherland Hospital sub-acute mental health unit. New South Wales.
- DRAFT IN CONFIDENCE. NOT FOR CIRCULATION OR CITATION O Sub-Acute treatment and rehabilitation provided in Community Care Units and Secure Rehabilitation Units in Queensland and Victoria.

Version AUS V1 October 2013 TRIM Ref: H12/35030

254

2.3.2.1 Service Element - Step Up/Step Down - Youth (Residential)

Attribute	Details
Status	Not gazetted, although people may be subject to community treatment orders and forensic orders.
Services Delivered	The aim of the service is prevent further deterioration of a person's mental state and associated disability and so reduce the likelihood of admission to an acute inpatient unit (step up). The service also aims to enable early discharge from acute care through the provision of an intensive safe and supportive residential community residential program (step-down). The service aims to provide short term transitional recovery oriented care and support to minimise the trauma and impact of a first episode or relapse of a mental illness. The service takes an integrated approach to clinical recovery and psychosocial interventions with a focus on stabilisation and management of illness, engagement or reengagement in positive and supportive social, family, educational and vocational connections.
Key Distinguishing Features	Services are located in the community, and delivered in a community residential environment. They are delivered as partnerships and/or collaborations between clinical services and the community support sector. There is a strong focus on early and active engagement of family/friend/support person or carer in a young person friendly environment. Services operate as a component of a district or area integrated mental health system.
Service specification	ns and other useful descriptors to illustrate service elements.
Target Age:	Youth (12-17) or (16-24)
Diagnostic Profile	People who meet the criteria for admission to an area mental health service inpatient unit but whose level of risk is such that they can be safely supported in a less restrictive environment than an acute inpatient unit.
Average unit size	14 beds
Hours	24 hours / 7 days
Suggested Modellin	g Attributes
% Occupancy	85%
Average LOS	21 days
Annual	10%
readmission rate	U
Indicative staffing FTE/Bed	1.37 FTE per bed
Sources	 Youth prevention and recovery care (Y-PARC) framework and operational guidelines. Victorian Government 2010. Primary source. Statewide Youth Sub-Acute Unit: An Integrated Service Approach. Government of South Australia. April 2012. Presentation for NMHSPF EWG, Models of Residential Services, Dr Gerry Naughtin, Mind Australia.

NMHSPF: Service Element and Activity Descriptions

EXHIBIT 233

Service Element – Step Up/Step Down – Youth – Staffing Profile

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	19.24	1.37	89.83	6,42	32,787	1,704	\$75,136	\$1,445,485	7.5	25%
NMHSPF	Vocationally Qualified	8.09	0.58	38.00	2.71	13,870	1,715	\$53,660	\$433,869	3.2	25%
NMSPF	Peer Worker	1.85	0.13	8.69	0.62	3,170	1,715	\$54,844	\$101,358	0.7	25%
NMHSPF	Tertiary Qualified	8.18	0.58	37.71	2.69	13,766	1,682	\$90,391	\$739,625	3.2	25%
NMHSPF	Medical	1.12	0.08	5.43	0.39	1,981	1,766	\$152,055	\$170,633	0.5	25%

NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost	7-1	O'heads %
NMHR	Total Medical	1.12	0.08	5.43	0.39	1,981	1,766		\$170,633	0.5	25%
NMHR	Psychiatrist	0.53	0.04	2.57	0.18	939	1,766	\$186,972	\$99,387	0.2	25%
NMHR.	Registrar	0.59	0.04	2.86	0.20	1,043	1,766	\$120,630	\$71,246	0.2	25%
NMHR.	Junior Medical Officer	0.00	0.00	0.00	0.00	18	-	\$150,783	\$0	4	25%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00		- 4	\$186,972	\$0	- 44	25%
NMHR	Total Nursing	3.56	0.25	16.00	1.14	5,840	1,639		\$365,746	1.3	25%
NMHR	Registered Nurse	3.56	0.25	16.00	1.14	5,840	1,639	\$102,673	\$365,746	1.3	25%
NMHR	Nurse Practitioner	0.00	0.00	0.00	0.00			\$150,196	\$0	7	25%
NMHR	Enrolled Nurse	0.00	0.00	0.00	0.00		-	\$74,547	\$0	7	25%
NMHR	Total Allied Health	4.62	0.33	21.71	1.55	7,926	1,715		\$373,879	1.8	25%
NMHR	Psychologist	1.16	0.08	5.43	0.39	1,981	1,715	\$89,058	\$102,868	0.5	25%
NMHR.	Social Worker	1.16	0.08	5.43	0.39	1,981	1,715	\$89,058	\$102,868	0.5	25%
NMHR	Occupational Therapist	1.16	0.08	5.43	0.39	1,981	1,715	\$89,058	\$102,868	0.5	25%
NMHR	Other TQ (eg pharmacis	1.16	0.08	5.43	0.39	1,981	1,715	\$56,511	\$65,275	0.5	25%
NMHR	VQ and Peer Workers	9.93	0.71	46.69	3.33	17,040	1,715		\$535,227	3.9	25%
NMHR	Consumer Peer Worker	0.92	0.07	4.34	0.31	1,585	1,715	\$54,844	\$50,679	0.4	25%
NMHR	Carer Peer Worker	0.92	0.07	4.34	0.31	1,585	1,715	\$54,844	\$50,679	0.4	25%
NMHR	VQMH Worker	8.09	0.58	38.00	2.71	13,870	1,715	\$53,660	\$433,869	3.2	25%
NMHR	VQ Other	0.00	0.00	0.00	0.00		-0	\$65,105	\$0	- 1	25%

Annual Cost Salaries	\$1,445,485
* Including Overheads 25%	\$1,806,856
Average Daily Available Bed Day C	\$354
Average Cost per Patient per annu	\$12,813

Beds	14
Availability	100%
Average Available Beds	14
ABD/Bed/Year	365
Occupancy	85%
OBD/Bed Year	310.3
ALOS (days)	28
Admissions/Bed/Year	11.08
Annual Readmit Rate	10%
Patients/Bed/Year	10.07

	of standardised admissions per annum	
multiplied	d by target population	524
Beds Req	uirred	473
Cost		\$61,092,423
Staffing		
NMHR	Total Medical	37.5
NMHR	Psychiatrist	18.0
NMHR	Registrar	20.
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	120.4
NMHR	Registered Nurse	120.4
NMHR	Nurse Practitioner	0.0
NMHR	Enrolled Nurse	0.
NMHR	Total Allied Health	156.
NMHR	Psychologists	39.
NMHR	Social Workers	39.
NMHR	Occupational Therapists	39.:
NMHR	Other	39.
NMHR	VQ and Peer Workers	335.
NMHR	Consumer Peer Worker	31
NMHR	Carer Peer Worker	31.
NMHR	VQMH Worker	273.
NMHR	VQ Other	0.0
Total		650.5

	1				Nu	rsing						Medical				A	Allied Healt	h		Peer Wo	orkers		Voc Qual		AQMI
De	scription	Director	CNC/NUM/NE	CN	AN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical	Psychologist		Occupational	Other	Allied Health	Consumer Peer Worker		VO MH Worker	VQ Other	vo	All
									Total					Total	101				Total					Total	Tota
													11						1,000					Hours	Hours
Base Weekly	Hours	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked	Worker
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs		
Monday	Day			8					8	4	4			8	7.6	7.6	7.6	7.8	30.4	7.6	7.6	6 15.2		30.4	
	Evening			8					8										-			15.2	1	15.2	
	Night									-												7,6		7.6	
Tuesday	Day			8					8	4	4		H	8	7.6	7.6	7.6	7.8	30.4	7.8	7.6	6 15.2		30.4	
	Evening			8					8))						-			15.2		15.2	
	Night								-				1						+			7.6		7.6	
Wednesday	Day			8					8	4	4			8	7.6	7.6	7.6	7.6	30.4			15.2		15.2	
	Evening			8					8				1	-								15,2		15.2	
	Night						0		-					1					1			7.6		7.6	
Thursday	Day			8					8	4	4			- 8	7.6	7.6	7.6	7.6	30.4	7.6	7.6	6 15.2		30.4	
	Evening			8					8					1					-			15.2		15.2	
	Night						(1)		-					-					-			7,6		7.6	
Friday	Day			8					8	2	4			6	7.6	7.6	7.6	7.6	30.4	7.6	7.6	6 15.2		30.4	
	Evening			8					8					-					-			15.2		15.2	Control of the contro
	Night	9	-				0						11	-					7			7.6		7.6	
Saturday	All shifts	141		16					16				1				-		-			38.0		38.0	
Sunday	All shifts	100	9	16		+			16				1	100					3			38.0		38	
Total He	ours perweek	-4		112		-			112	18	20		- F-	38	38.0	38.0	38.0	38.0	152	30.4	30.4	266.0	2	326.8	
Annual & Oth	er Leave Relief wee	1	8 8	9		9 9	9 17	9		8	8	3 8	8		7	7	7	7		7	/	7 7	7	7	
On Call Episo	des (weighted)																								
Public Holiday	rs Worked		0	-11	- 1	1 11	11	- 11			11	- 11	11											1	
Productive W	eeks per FTE	44.1	44.14	43.14	43.1	4 43.14	35.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.14		45.14	45.14	4 45.14	45.14	4	
Day Shift Hou	rs (Mon-Fri)	-		40	-		-		40	18	20			38	38	38	38	38	152	30	30	76	-	137	3
Evening Hour			-	40			6-1		40	-				-	- 75		31					76		76	
Night Hours	A COLOR	2	1										11		1 4			-				38		38	
Salurday Hou	A	-	- I	16	-		1 3	1-1-	16					X	- 5		-	-	1		-	38		38	
Sunday Hours		-	1	16	-		1 :	- 1	16		-		1 - 3	- 1-	-			-	1			38	_	38	
Total Hours			1	112	-			1-	112	18	20			38	38	38	38	38	152	30	30	266		327	
Weekly FTE's		_	-	2.9	-				2.9	0.5	0.5		1	1.0	1.0	1.0	1.0	1.0	4.0	0.8	0.8	7,0		8.8	
Relief FTE's		-		0.6					0.6					0.2	0.2			0.2		0.1		1		1.3	1
																									- 1

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and other non-labour costs including drugs, utilities and maintenace etc. It is expressed a proportion of clinical services labour costs.

Variable inputs

Variable Inputs

Comments: Estimates Based on YPARC Victoria, MIND Youth sub-acute, SA YSAC

Validated B Kotze



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowance:

2.3.2.2 Service Element - Step Up/Step Down - Adult (Residential)

Attribute	Details
Status	Not gazetted although people may be subject to community treatment or forensic orders.
Services Delivered	Intensive recovery –focussed treatment and support including crisis support planning aimed at improving symptom management and building capacity for maintaining wellbeing and preventing relapse. Short-term residential care with psychosocial rehabilitation, assistance and support to build, maintain and resume living in the community. The service takes an integrated approach to promoting clinical, psychosocial and personal recovery with a focus on stabilisation and management of illness, engagement or reengagement in positive and supportive social, family, educational and vocational connections. Services are aimed at two groups of people: first, those who no longer require acute inpatient care but would benefit from short term intensive treatment and support to build on gains made during the period of hospitalisation (step-down) secondly, people who are living in the community and require short term residential support and intensive clinical treatment and intervention to prevent risk of further deterioration or relapse which may lead to a hospital (step-up).
Key Distinguishing Features	Services are located in the community, and delivered in a community residential environment. They are delivered as partnerships and/or collaborations between clinical services and the community support sector. These services operate as a component of a district or area integrated mental health system.
Service specification	ns and other useful descriptors to illustrate service elements.
Target Age:	Adults (16 to 64).
Diagnostic Profile	People who meet the criteria for admission to an area mental health service inpatient unit but whose level of risk is such that they can be safely supported in a less restrictive environment than an acute inpatient unit.
Average unit size	10 beds
Hours	24 hours / 7 days
Suggested Modellin	
% Occupancy	85%
Average LOS	14 days with an expected maximum of 30 days
Annual readmission rate	10%
Indicative staffing FTE/Bed	1.33 FTE per bed
Sources	 Adult prevention and recovery care (PARC) services framework and operational guidelines, 2010, Victorian Government. Primary source. Presentation for EWG, Models of Residential Services, Dr Gerry Naughtin, Mind Australia. Intermediate Care – summary service model, 2010, Government of South Australia. NMHSPF Expert Working Groups

DBK.500.002.0878

Service Element – Step Up/Step Down – Adult – Staffing Profile

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day (/person	Overheads %
NMHSPF	TOTAL	13.32	1.33	62.51	6.25	22,818	1,713	\$70,873	\$944,152	6.9	25%
NMHSPF	Vocationally Qualified	8.09	0.81	38.00	3.80	13,870	1,715	\$53,660	\$433,869	4.2	25%
NMSPF	Peer Worker	1.16	0.12	5.43	0.54	1,981	1,715	\$54,844	\$63,349	0.6	25%
NMHSPF	Tertiary Qualified	3.14	0.31	14.51	1.45	5,298	1,689	\$96,790	\$303,553	1.6	25%
NMHSPF	Medical	0.94	0.09	4.57	0.46	1,669	1,766	\$151,728	\$143,382	0.5	25%

		-		Hours/	Hours/				47.5		V =
NMHR	TOTAL	FTE	FTE/Bed	day	ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	0.94	0.09	4.57	0.46	1,669	1,766	-3	\$143,382	0.5	25%
NMHR	Psychiatrist	0.44	0.04	2.14	0.21	782	1,766	\$186,972	\$82,822	0.2	25%
NMHR	Registrar	0.50	0.05	2.43	0.24	886	1,766	\$120,630	\$60,559	0.3	25%
NMHR	Junior Medical Officer	0.00	0.00	0.00	0.00	1	4	\$150,783	\$0		25%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00		1	\$186,972	\$0	- 4	25%
NMHR	Total Nursing	1.78	0.18	8.00	0.80	2,920	1,639		\$182,873	0.9	25%
NMHR	Registered Nurse	1.78	0.18	8.00	0.80	2,920	1,639	\$102,673	\$182,873	0.9	25%
NMHR	Nurse Practitioner	0.00	0.00	0.00	0.00	120	14	\$150,196	\$0	-	25%
NMHR	Enrolled Nurse	0.00	0.00	0.00	0.00	-	-	\$74,547	\$0		25%
NMHR	Total Allied Health	1.36	0.14	6.51	0.65	2,378	1,755	1000	\$120,680	0.7	25%
NMHR	Psychologist	0.00	0.00	0.00	0.00	200	2.0	\$89,058	\$0	1.9	25%
NMHR	Social Worker	1.16	0.12	5.43	0.54	1,981	1,715	\$89,058	\$102,868	0.6	25%
NMHR	Occupational Therapist	0.20	0.02	1.09	0.11	396	1,981	\$89,058	\$17,812	0.1	25%
NMHR	Other TQ (eg pharmaci:	0.00	0.00	0.00	0.00	-1	- 1	\$56,511	\$0	40.0	25%
NMHR	VQ and Peer Workers	9.24	0.92	43.43	4.34	15,851	1,715		\$497,218	4.8	25%
NMHR	Consumer Peer Worker	0.58	0.06	2.71	0.27	991	1,715	\$54,844	\$31,674	0.3	25%
NMHR	Carer Peer Worker	0.58	0.06	2.71	0.27	991	1,715	\$54,844	\$31,674	0.3	25%
NMHR	VQMH Worker	8.09	0.81	38.00	3.80	13,870	1,715	\$53,660	\$433,869	4.2	25%
NMHR	VQ Other	0.00	0.00	0.00	0.00	-	70	\$65,105	\$0	-	25%

Annual Cost Salaries	\$944,152
* Including Overheads 25%	\$1,180,190
Average Daily Available Bed Day C	\$323
Average Cost per Patient per annu	\$5 533

Beds	10
Availability	100%
Average Available Beds	10
ABD/Bed/Year	365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	14
Admissions/Bed/Year	23.46
Annual Readmit Rate	10%
Patients/Bed/Year	21.33

Calculato	r	
Number	of standardised admissions per an	num
multiplie	d by target population	5245
Beds Req	uirred	224
Cost		\$26,380,929
Staffing		
NMHR	Total Medical	21.1
NMHR	Psychiatrist	9.9
NMHR	Registrar	11.2
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	39.8
NMHR	Registered Nurse	39.8
NMHR	Nurse Practitioner	0.0
NMHR	Enrolled Nurse	0.0
NMHR	Total Allied Health	30,3
NMHR	Psychologists	0.0
NMHR	Social Workers	25.8
NMHR	Occupational Therapists	4.5
NMHR	Other	0.0
NMHR	VQ and Peer Workers	206.6
NMHR	Consumer Peer Worker	12.9
NMHR	Carer Peer Worker	12.9
NMHR	VQMH Worker	180.7
NMHR	VQ Other	0.0
Total		297.8

AQMHP

Total

	- 10		9		Nu	rsing						Medical				Α	llied Heal	th		Peer Wo	rkers		Voc Qual	
De	scription	Director	CNC/NUM/NE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiatrist.	Registrar	Jun Med Off	Other Specialist	Medical	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health Total	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VQ Other	VQ Total
									Total					Total					Total					Hours
Base Weekly	Hours	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs	
onday	Day			8					8	3	4			7		7.6			7.6	3.8	3.8	15.2		22
	Evening								1										8			15.2	r 1	15
	Night								-					9								7.6	10	7
esday	Diay			8					8	3	4			7		7.6	7.6		15.2	3,8	3.6	15.2		22
	Evening													8								15.2		15
	Night													-					-			7.6		7
ednesday	Day			8						3				6		7.6			7.6	3,8	3.6	15.2	1	22
	Evening								-					-					-			15.2		15
	Night								(10)										- 8 -			7.6		7
hursday	Day			8					8	3				6		7.6			7.6	3.8	3.6	15.2		22
	Evening													-		1						15.2		15
	Night								1 91													7.6		7
iday	Day			8					8	3				6		7.6			7.6	3.8	3.8	15.2	- 1	22
	Evening								1													15.2		15
	Night															*						7.6		7
aturday	All shifts			8					8										3-			38.0	- 1	38
unday	All shifts			8					8					- 0								38.0		3
	ours per week	- 1-1		56	- 1	2 - 2	- 4-	2.7	56	15	17	A	- 81	32		38.0	7.6	1 - 6	46	19.0	19.0		-	304
1010111	outs per meen				-							11				50.5	1.0			19.0	,,,,,	200.0		
nnual & Othe	r Leave Relief week		8	9		9 9	17	9		8			8 8		7	7		P	7	7	7	7	7	
n Call Episor	des (weighted)																							
ublic Holiday	s Worked	-	0	-11	- 1	11 - 31	11	11			11	- 1	1 11											
roductive We	eeks per FTE	44.14	44.14	43.14	43.1	4 43.14	35.14	43.14		44.14	44.14	44.1	4 44.14		45.14	45.14	52.14	45.1	4	45.14	45.14	45.14	45.14	
						_	_						1			Τ.								
	rs (Mon-Fri)	_		40	-	-	-		40	15	17		-	32	-	38	8		46	19	19			1
vening Hours		1 8		8.0	-	8	8 -	10-11	11-11		181	- 81	8.1	8.7				-	87	8 1	-	76	10 1	_
ght Hours (Mon-Fri)	-			-	-			-	-	-				-			-	-		-	38		
turday Hour	15	-		8	-			-	8	- ><	-	- 4	-			-		-	-		~	38		
nday Hours		-		8	-	× .			8	-	~	~		~			- 5	-	-	× 1	~	38	-	
otal Hours		-		56	_				56	15	17	×		32	-1-	38	. 8		46	.19	19	266	-	3
eldy FTE's				1.5		1			1.5	0.4	0.4			0.8		1.0	0.2		1.2	0.5	0.5	7.0	-	
elief FTE's				0.3					0.3	0.1	0.4			0.1		0.2			0.2		0.5			1
				1.8		1			1.8	0.4				0.1		1.2			1.4	N 100	0.6			9
nnual FTE's				1.8	-			-	1.8	0.4	0.5		1-3	0.9		1.2	0.2		1.4	0,6	0.6	8.1	•	9

*Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

** Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs

Variable Inputs

Comments:

PARC model Victoria

RMH allocat 6 weeks leave, 4% sick leaveand 4% ADO's

Does not include support from Acute Care Team



2.3.2.3 Service Element - Rehabilitation - Adult and Older Adult (Residential)

Attribute	Details									
Status	Not gazetted									
Services Delivered	These services are residential in nature and delivered in a collaboration/partnership between clinical and community support services. They provide accommodation and recovery oriented treatment and rehabilitation for people whose needs are associated with severe mental illness, the associated clinical symptoms, and unresolved psychosocial or functional disability. Staffing is available on-site 24 hours a day to deliver recovery oriented psychosocial rehabilitation and support to achieve agreed outcomes identified in an individualised person centred recovery plan inclusive of support networks and build links with in the community to promote and sustain community integration and social connectedness. Programs have a focus on developing skills and strategies for managing mental and general health, promoting wellbeing, sustainable community living and meaningful engagement in the social, recreational and vocational activities of choice. Services also include clinical support and treatment including specialist medical psychiatric review and support of people receiving involuntary community treatment under the provisions of the relevant legislation.									
Key Distinguishing Features	Residential services are provided as congregate self contained living arrangements (may be 5 to 20 beds per dwelling) in which people have their own kitchen, dining room or family room and bathroom and bedroom. In some cases kitchen and dining/family areas may be shared. Clinical support is provided on site. This program is often delivered as a collocation with, or sub-program of, the non-acute adult 24 hour community residential program.									
Service specification	ns and other useful descriptors to illustrate service elements.									
Target Age:	Adults and Older Adults.									
Diagnostic Profile	Primary diagnoses usually include schizophrenia, psychosis or severe mood illnesses. Also may have complex presentations with exacerbations of underlying personality traits and /or issues with personality illness, drug and alcohol illnesses and significant deficits in psychosocial functioning. People will typically have significant needs affecting their ability to live in the community that can be addressed through skills development, adaptation, and provision of psychosocial support. The person may be referred to address severe unremitting symptoms which may be complicated by lack of support, difficulty accessing services, other health issues, deterioration in cognitive and coping skills, difficulties maintaining tenure of accommodation and lack of quality of life.									
Average unit size	Maximum 20 beds.									
Hours	Staffed 24 hours per day 7 days per week.									
Suggested Modelling	g Attributes									
% Occupancy	85%									
Average LOS	Average 120 days with an expected length of stay of no more than 180 days (6 months).									
Annual	10%									
readmission rate										
Indicative staffing FTE/Bed	Multidisciplinary 1.13 FTE/ bed.									
Sources	 Country Community Rehabilitation Centres, Service Model, Draft, Jan 2012, Government of South Australia. Primary source. Community Care and Secure Extended Care Units, Program Management Circular, Victorian Government, 2007. Primary source. Extended Recovery Services (Draft). Mind Australia. October 2012. Community Care Unit – Model of Service, QPMHS, Queensland, 2011. Primary source. Overview of Future Directions, Transitional Recovery Program, Queensland 									

Government 2008.

- Service Model Guidelines (Draft), Transitional Recovery Program, Queensland government, 2011.
- Planning Estimates for the Community Support Sector in Queensland: Harris, Siskind, Buckingham, Pirkis, Whiteford, QCMHR, 2009
- DRAFT IN COMPIDENCE. NOT FOR CIRCULATION OF CHAPTON Multi-Site Benchmarking of Community Care Units and Extended Treatment and Rehabilitation Units, Queensland Mental Health Benchmarking Unit, QH,

Version AUS V1 October 2013 TRIM Ref: H12/35030

262

Service Element - Rehabilitation - Adult and Older Adult - Staffing Profile

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	22.69	1.13	103.86	5.19	37,908	1,671	\$86,893	\$1,971,413	5.8	25%
NMHSPF	Vocationally Qualified	6.47	0.32	30.40	1.52	11,096	1,715	\$53,660	\$347,095	1.7	25%
NMSPF	Peer Worker	1.85	0.09	8.69	0.43	3,170	1,715	\$54,844	\$101,358	0.5	25%
NMHSPF	Tertiary Qualified	13.43	0.67	60.20	3.01	21,973	1,637	\$103,189	\$1,385,455	3.3	25%
NMHSPF	Medical	0.94	0.05	4.57	0.23	1,669	1,766	\$145,508	\$137,504	0.3	25%

NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	0.94	0.05	4.57	0.23	1,669	1,766	00000	\$137,504	0.3	25%
NMHR	Psychiatrist	0.35	0.02	1.71	0.09	626	1,766	\$186,972	\$66,258	0.1	25%
NMHR	Registrar	0.59	0.03	2.86	0.14	1,043	1,766	\$120,630	\$71,246	0.2	25%
NMHR	Junior Medical Officer	0.00	0.00	0.00	0.00	-	-	\$150,783	50	-	25%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00	-	-	\$186,972	50	- AT.	25%
NMHR	Total Nursing	8.46	0.42	36.86	1.84	13,453	1,590		\$868,561	2.0	25%
NMHR	Registered Nurse	8.46	0.42	36.86	1.84	13,453	1,590	\$102,673	\$868,561	2.0	25%
NMHR	Nurse Practitioner	0.00	0.00	0.00	0.00	3-		\$150,196	\$0	- 47	25%
NMHR	Enrolled Nurse	0.00	0.00	0.00	0.00		-	\$74,547	\$0	7	25%
NMHR	Total Allied Health	4.97	0.25	23.34	1.17	8,520	1,715	100	\$516,894	1.3	25%
NMHR	Psychologist	0.58	0.03	2.71	0.14	991	1,715	\$89,058	\$51,434	0.2	25%
NMHR	Social Worker	1.16	0.06	5.43	0.27	1,981	1,715	\$89,058	\$102,868	0.3	25%
NMHR	Occupational Therapist	3.23	0.16	15.20	0.76	5,548	1,715	\$112,112	\$362,592	0.8	25%
NMHR	Other TQ (eg pharmaci:	0.00	0.00	0.00	0.00		-	\$56,511	\$0	- 2	25%
NMHR	VQ and Peer Workers	8.32	0.42	39.09	1.95	14,266	1,715		\$448,453	2.2	25%
NMHR	Consumer Peer Worker	0.92	0.05	4.34	0.22	1,585	1,715	\$54,844	\$50,679	0.2	25%
NMHR	Carer Peer Worker	0.92	0.05	4.34	0.22	1,585	1,715	\$54,844	\$50,679	0.2	25%
NMHR	VQMH Worker	6.47	0.32	30.40	1.52	11,096	1,715	\$53,660	\$347,095	1.7	25%
NMHR	VQ Other	0.00	0.00	0.00	0.00	-	1.5	\$65,105	\$0	19.1	25%

Annual Cost Salaries	\$1,971,413
* Including Overheads 25%	\$2,464,266
Average Daily Available Bed Day C	\$338
Average Cost per Patient per appu	549 510

Beds	20
Availability	100%
Average Available Beds	20
ABD/Bed/Year	365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	120
Admissions/Bed/Year	2.74
Annual Readmit Rate	10%
Patients/Bed/Year	2.49

Calculato	r	
Number	of standardised admissions per an	num
	d by target population	5245
Beds Req	uirred	1916
Cost		\$236,074,399
Staffing		
NMHR	Total Medical	90.5
NMHR	Psychiatrist	33.9
NMHR	Registrar	56.6
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	810.4
NMHR.	Registered Nurse	810.4
NMHR	Nurse Practitioner	0.0
NMHR	Enrolled Nurse	0.0
NMHR	Total Allied Health	475.8
NMHR	Psychologists	55.3
NMHR.	Social Workers	110.7
NMHR	Occupational Therapists	309.8
NMHR	Other	0.0
NMHR	VQ and Peer Workers	796.7
NMHR	Consumer Peer Worker	88.5
NMHR	Carer Peer Worker	88.5
NMHR	VQMH Worker	619.7
NMHR	VQ Other	0.0
Total		2173.5

					Nu	rsing						Medical				A	Illied Hea	lth		Peer Wo	rkers		Voc Qual	
De	scription	Director	CNC/NUMNE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health	Consumer Peer	Carer peer Worker	VQ MH Worker	VQ Other	vo
									Total					Total					Total					Total Hours
Base Weekly	Hours	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs	
Monday	Day	2	8	8			8		.26	4		4		.8	3.8	7.6	7.	6	19.0	7.6	7.8	7.6		22.8
	Evening		14.1	8					8	-				-			7.	6	7.6			15.2		15.2
	Night	-	-	8					8													7.6		7.6
uesday	Day	2	8	8			8		26			4		4	3.8	7.6	7.1		19.0	7.6	7.1			22.8
	Evening	1	4.1	8					8					- 8			7.0	6	7.6			15.2		15.2
	Night	1	12	8					8													7.6		7.6
ednesday	Day	2	8	8			8		26	4		4		В	3.8	7.6	7.0	6	19.0			7.6		7.6
	Evening	-		8					8					~			7.0	6	7.6			15.2	_	15.2
	Night		300	8	1				8					*								7.6		7,6
hursday	Day	2	8	8	t .		8		26		- 4	4		4	3.8	7.6	7.	5	19.0	7.6	7.8	7.6		22.8
	Evening		35.1	8	1				8								7.	5	7,6			15.2		15.2
	Night		-	8			1		8					~								7.6		7.6
day	Day	- 2	8	8			8		26	4		4		В	3.8	7.6	7.	6	19.0	7.6	7.5	7.6		22.8
	Evening	,	W- 1	8					8					- A			7.0	6	7.6			15.2		15.2
	Night	-		8					8									-	_			7.6		7.6
aturday	All shifts	- 2	100	24					24								15.3	2	15.2			30.4		30.4
unday	All shifts	71	7	24					24					- 8			15.0	2	15			30.4		30
Total H	ours per week	10	40	168		R 346	40		258	12	20	1-6	1.6	32	19.0	38.0	106.4	-	163	30,4	30.4	212.8	3+0	273.6
																			5.					
nnual & Oth	er Leave Relief wee		8	9	9	9 9	17	9		8		B 6	8		7	7		7	7	7		7		7
n Call Episo	ides (weighted)																							
Public Holida	rs Worked	9	0 0	11	1 1	1 11	- 11	- 11			1	1 1	11											
Productive W	eeks per FTE	44.14	44.14	43.14	43.1	4 43.14	35.14	43.14		44.14	44.14	4 44.14	44.14		45.14	45.14	45.1	4 45.1	4	45.14	45.14	45.14	45,1	4
										(12										
ay Shift Ho	irs (Mon-Fri)	10	40	40			40		130	12	20			32	19	38	38		95	30	30	38.	-	99
	s (Mon-Fri)		3-1	40	-	-			40								38	1	38		- 3	76		76
ght Hours	(Mor-Fri)		11 50	40		-	1	-	40	-			- 2	-	-				-	-		38	- 0	38
aturday Hou	Carrier Contract	-	11234	24	-	-	11.1 3-0	-	24		- ×	-	-	~		-	15	-	15	-	-	30		30
inday Hour				24	-				24				- NO		× 1		15	_	15		_	30		30
otal Hours		10	-40	168	_	-	40		258		20	_	~	32		38		_	163		30			274
					1	-					-					-		1						
eekly FTE		0.3	1.1	4.4		- 1	1.1		6.8	0.3	0.5			0.8	0.5	1.0	2.8		4.3	0.8	0.8	5.6		7.2
eller FTE's		0.0	_	0.9	_	+	0.5		1.7				- 0	0.6		0.2		4	0.7	0.1	0.1		- 0	1.1
		0.0		5.3			1.6		8.5					0.9					5.0		0.9			8.3
Annual FTE		0.3	1.2	5.3	1		1.0		8.5	0.4	0.6		F	0.9	0.6	1.2	3.2	1	5.0	0.9	0.9	0.5	- ×	0.3

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable inputs

Variable Inputs

Comments: Estimate drawn from QLD staffing profiles

for new servcies 2012.

AH and RMH allocat 6 weeks leave, 4% sick leave

and 4% ADO's



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.3.2.4 Service Element -Sub Acute Older Adult 65+ (Hospital)

Attribute	Details
Status	Gazetted.
Services Delivered	Provides assessment, ongoing specialised clinical treatment, rehabilitation and support for people who require sub-acute mental health care in order to regain function lost due to an acute mental illness and to prevent or delay admission to a residential aged care facility. Services are delivered in close collaboration with the general aged care sector.
Key Distinguishing Features	Services may be co-located on a hospital campus with acute older adult services or a geriatric medical ward. These services operate as a component of a district or area integrated mental health system, with that district or area mental health service having continuing responsibility for clinical governance. Should not to be confused with staffed residential support services for older adults which may be supported by area ambulatory clinical mental health services but whose primary function is residential rehabilitation for older adults whose primary needs are associated with the need for additional functional support rather than clinical symptoms.
Service specification	ns and other useful descriptors to illustrate service elements.
Target Age:	Older Adults > 64.
Diagnostic Profile	The person will have met the criteria for acute admission and have completed their acute treatment phase but still have a need for continued treatment of symptoms of mental illness that may have responded poorly or only partially to treatment. A person may be experiencing severe unremitting clinical symptoms. The person may also present with a level of risk, functional difficulties or other complicating factors that preclude living in the community or generic aged care setting at the time.
Average unit size	16 beds
Hours	24 hours / 7 days
Suggested Modellin	g Attributes
% Occupancy	85%
Average LOS	35 days
Annual readmission rate	10%
Indicative staffing FTE/Bed	Multidisciplinary 1.88 clinical FTE/ bed
Sources	 Older persons Sub Acute Program Model of Service Delivery (Draft), QPMHS, 2012 NMHSPF Expert Working Group

EXHIBIT 233

NMHSPF: Service Element and Activity Descriptions

Service Element –Sub Acute Older Adult – Staffing Profile

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day (/person	Overheads %
NMHSPF	TOTAL	30.51	1.91	138.37	8.65	50,506	1,656	#DIV/0!	\$2,944,934	9.6	30%
NMHSPF	Vocationally Qualified	9.43	0.59	42.86	2.68	15,643	1,658	\$67,844	\$640,084	3.0	30%
NMSPF	Peer Worker	0.00	0.00	0.00	0.00	4.	7.0	#DIV/0!	50	T	30%
NMHSPF	Tertiary Qualified	17.53	1.10	78.37	4.90	28,606	1,632	\$101,627	\$1,781,195	5.4	30%
NMHSPF	Medical	3.54	0.22	17.14	1.07	6,257	1,766	\$147,770	\$523,654	1.2	30%

NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	3.54	0.22	17.14	1.07	6,257	1,766		\$523,654	1.2	30%
NMHR	Psychiatrist	1.18	0.07	5.71	0.36	2,086	1,766	\$186,972	\$220,859	0.4	30%
NMHR	Registrar	1.77	0.11	8.57	0.54	3,129	1,766	\$120,630	\$213,739	0.6	30%
NMHR	Junior Medical Officer	0.59	0.04	2.86	0.18	1,043	1,766	\$150,783	\$89,056	0.2	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00	-	-	\$186,972	\$0	(-	30%
NMHR	Total Nursing	21.56	1,35	95.71	5.98	34,936	1,620		\$2,043,834	6.6	30%
NMHR	Registered Nurse	13.80	0.86	60.86	3.80	22,213	1,609	\$102,673	\$1,417,181	4.2	30%
NMHR	Nurse Practitioner	0.64	0.04	2.86	0.18	1,043	1,639	\$150,196	\$95,542	0.2	30%
NMHR	Enrolled Nurse	7.12	0.45	32.00	2.00	11,680	1,639	\$74,547	\$531,111	2.2	30%
NMHR	Total Allied Health	3.09	0.19	14.66	0.92	5,350	1,733	100	\$268,473	1.0	30%
NMHR	Psychologist	0.58	0.04	2.71	0.17	991	1,715	\$89,058	\$51,434	0.2	30%
NMHR	Social Worker	1.16	0.07	5.43	0.34	1,981	1,715	\$89,058	\$102,868	0.4	30%
NMHR	Occupational Therapist	1.16	0.07	5.43	0.34	1,981	1,715	\$89,058	\$102,868	0.4	30%
NMHR	Other TQ (eg pharmaci:	0.20	0.01	1.09	0.07	396	1,981	\$56,511	\$11,302	0.1	30%
NMHR	VQ and Peer Workers	2.31	0.14	10.86	0.68	3,963	1,715		\$108,973	0.8	30%
NMHR	Consumer Peer Worker	0.00	0.00	0.00	0.00		- 01	\$54,844	50	12	30%
NMHR	Carer Peer Worker	0.00	0.00	0.00	0.00		1.0	\$54,844	\$0	(2)	30%
NMHR	VQMH Worker	1.16	0.07	5.43	0.34	1,981	1,715	\$42,626	\$49,236	0.4	30%
NMHR	VQ Other	1.16	0.07	5.43	0.34	1,981	1,715	\$51,717	\$59,737	0.4	30%

Annual Cost Salaries \$2,944,934

* Including Overheads 30% \$3,828,414

Average Daily Available Bed Day C \$656

Average Cost per Patient per annu \$56,086

Bed Based Service Para	meters
Beds	16
Availability	100%
Average Available Beds	16
ABD/Bed/Year	365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	70
Admissions/Bed/Year	4.69
Annual Readmit Rate	10%
Patients/Bed/Year	4.27

Calculato	or .	
Number	of standardised admissions per annum	
	d by target population	5245
Beds Req	uirred	1118
Cost		\$267,428,147
Staffing		
NMHR	Total Medical	247.5
NMHR	Psychiatrist	82.5
NMHR	Registrar	123.8
NMHR	Junior Medical Officer	41.3
NMHR	Other Specialist	0.0
NMHR	Total Nursing	1506.3
NMHR	Registered Nurse	964.2
NMHR	Nurse Practitioner	44.4
NMHR	Enrolled Nurse	497.7
NMHR	Total Allied Health	215.7
NMHR	Psychologists	40.3
NMHR	Social Workers	80.7
NMHR	Occupational Therapists	80.7
NMHR.	Other	14.0
NMHR	VQ and Peer Workers	161.4
NMHR	Consumer Peer Worker	0.0
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	80.7
NMHR	VQ Other	80.7
Total		2130.9

DBK.500.002.0885

					Nui	rsing						Medical				A	Illied Heal	th		Peer Wo	orkers		Voc Qual		AQM
Desc	сприоп	Director	CNC/NUM/NE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing	Psychlainst	Registrar	Jun Med Off	Other Specialist	Medical	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VQ Other	VQ	All
									Total					Total					Total					Total	Total
																								Hours	Hours
ase Weekly H		38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked	Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs	4	
londay	Day	2	8	8	8	8	8	4	46		12	4		24	3.8	7.6	7.6	3.8	22.8			7.6	7.	6 15.2	
	Evening	* /	* .	8	8	16			32																1 1 1 1 1 1 1 1 1
	Night	* /		8	8	8			24					-					-						
uesday	Day	2	8	8	8	8	8	4	46		12	4		24	3.8	7.6	7.6	3.8	22.8			7.6	7.	6 15.2	
	Evening	ж.	- B	8	8	16	1		32					11										-	
	Night	~	- 8	8	8	8			24															-	
ednesday	Day	2	- 8	8	8	8	8	4	46	8	12	4		24	3.8	7.6	7.6		19.0			7.6	7.	£ 15.2	
	Evening	+	*	8	8	16			32										-					-	
	Night	Ŧ	- 9	8	8	8	-		24				-	-			1-1-		-				-		
hursday	Day	2	8	8	8	8	8	4	46	8	12	-		24	3.8	7.6	7.6		19.0			7.6	7.	6 15.2	1
	Evening	+	*	8	8	16			32															-	
	Night.	*		8	8	8			24										-					-	
nday	Day	2	8	8	8	8	8	4	46		12			24	3.8	7.6	7.6		19.0			7.6	7.	6 15.2	
	Evening		~	8	8	16			32					1					-					-	
	Night	*	~	8	8	8			24										-						
aturday	All shifts	-		24	24				80					-					-						
unday	All shifts	н.	- ×-	24	24	32			80										-						
Total Hou	urs per week	10	40	168	168	224	40	20	670	40	60	20		120	19.0	38.0	38.0	7.6	103	(+)	-	38.0	38.0	76.0	
nnual & Other	r Leave Relief wee	8	8	9	9	9	17	9			8		. 8		7	7	7			- 7	7	7		7	
n Call Episod	tes (weighted)																								
ublic Holidays	s Worked	0	0	11	41	11	11	- 11			11	- 11	11												
roductive Wee	eks per FTE	44.14	44.14	43.14	43,14	43.14	35.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	52.14		45.14	45.14	45.14	45.1	4	
ay Shift Hours	s (Mon-Fri)	10	40	40	40	40	40	20	230	40	60	20	- 3	120	19	38	38	8	103	-		38	38	76	
vening Hours	(Mon-Fri)		941	40	40	80	94	-	160		- 5	11	-		31		- 5		-	10 - 0	-		-		
ight Hours (M	Morr-Fri)	~	-	40	40	40		*	120	- To -		100	-	r					-	9	-		4		
aturday Hours	s	-		24	24	32			80		100			2		-		-		-	-		-	-	
unday Hours				24	24	32		-	80	-1		1	1	1			1-			-			-	-	
otal Hours		10	40	168	168	224	40	20	670	40	60	20		120	19	38	38	8	103	, E	-	38	38	76	
leekly FTE's		0.3	1.1	4.4	4.4	5.9	1.1	0.5	17.6	1.0	1.5	0.5	-	3.0	0.5	1.0	1.0	0.2	2.7		- 1	1.0	1.0	2.0	2
elief FTE's		0.0	0.2	0.9	0.9							0.1		0.5	0.1	1			0.4	la Ga	-	0.2	0.2		
nnual FTE's		0.3	1.2	5.3										3.5					3.1			1.2	1.3		3

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable inputs

Variable Inputs

Comments:

St George Sub Acute Unit.- in constrruction.

Planning information only.

Sub-acute colocated at the hospital with acute adult.

Acute older persons beds integrated as module of adult.

BPSD beds as part of Gereric aged care with c/l mh support Does not include specialist 2 consultation/liaision positions.

Medical staff does not include time for community and support to acute unit. Total 2 consul, 2 regs and 1 resident.

No allowance for AHP working in community or supporting acute unit.

^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.3.2.5 Service Element – Sub-Acute Intensive Care Service (Hospital)

Attribute	Details										
Status	Gazetted										
Services Delivered	Sub-acute intensive care services provide short to medium term treatment and rehabilitation in a safe, structured environment for people with unremitting and severe symptoms of mental illness and an associated significant disturbance in behaviour which precludes their receiving treatment in a less restrictive environment. Services include, specialist behavioural and symptom management programs, individualised and group rehabilitation programs aimed at maximising individual functioning and minimising the effects of long term care and recovery oriented predischarge and community placement planning to support safe transition to more independent living.										
Key Distinguishing Features	Sub-acute intensive care services are located on hospital campuses usually operating as a sub-program collocated with non-acute intensive care services. Units are designed to provide a reasonably high level of security. Programs have a strong focus on safety, security and risk assessment and management. They operate as a component of a district or area integrated mental health service system. Not to be confused with low, medium and high security forensic units.										
Service specification	ns and other useful descriptors to illustrate service elements.										
Target Age:	Adults, older adults and selected young people with special needs.										
Diagnostic Profile	Primary diagnoses usually include schizophrenia, psychosis or severe mood illnesses. Also may have complex presentations including issues with personality illness or exacerbations of underlying personality traits, drug and alcohol illnesses, complex trauma and clinically significant deficits in psychosocial functioning. Associated issues of behaviour and risk which indicate a need for rehabilitation include severely disorganised behaviour leading to difficulty in managing activities of daily living, impaired impulse control, vulnerability, ongoing risk of aggression, and significant risk of self harm.										
Average unit size	8 beds										
Hours	24 hours / 7 days										
Suggested Modellin	g Attributes										
% Occupancy	85%										
Average LOS	120 days with an expected maximum stay of less than 180 days (6 months)										
Annual readmission rate	10%										
Indicative staffing FTE/Bed	Multidisciplinary 1.61 FTE/ bed.										
Sources	 Community Care and Secure Extended Care Units, Program Management Circular, Victorian Government, 2007. Secure Mental Health Rehabilitation Unit Model of Service, QPMHS, Queensland, 2011. Primary source. Multi-Site Benchmarking of Medium Secure Units, Queensland Mental Health Benchmarking Unit, QH, 2010. 										

EXHIBIT 233
NMHSPF: Service Element and Activity Descriptions

DBK.500.002.0888

Service Element – Sub-Acute Intensive Care Service – Staffing Profile

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours	ETF coalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
				-						1000000	
NMHSPF	TOTAL	38.73	1.61	170.69	7.11	62,300	1,609	\$102,468	\$3,968,683	7.9	30%
NMHSPF	Vocationally Qualified	1.78	0.07	8.00	0.33	2,920	1,639	\$74,547	\$132,778	0.4	30%
NMSPF	Peer Worker	1.85	0.08	8.69	0.36	3,170	1,715	\$54,844	\$101,358	0.4	30%
NMHSPF	Tertiary Qualified	32.44	1.35	141.14	5.88	51,517	1,588	\$101,923	\$3,306,798	6.5	30%
NMHSPF	Medical	2.66	0.11	12.86	0.54	4,693	1,766	\$160,941	\$427,749	0.6	30%
				Hours/	Hours/						

NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	2.66	0.11	12.86	0.54	4,693	1,766	2.50	\$427,749	0.6	30%
NMHR	Psychiatrist	1.00	0.04	4.86	0.20	1,773	1,766	\$200,564	\$201,377	0.2	30%
NMHR	Registrar	1.65	0.07	8.00	0.33	2,920	1,766	\$136,885	\$226,372	0.4	30%
NMHR	Junior Medical Officer	0.00	0.00	0.00	0.00	197	-	\$171,102	\$0	=	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00			\$212,167	\$0		30%
NMHR	Total Nursing	30.76	1.28	132.86	5.54	48,493	1,576		\$3,168,565	6.2	30%
NMHR	Registered Nurse	27.71	1.15	119.14	4.96	43,487	1,570	\$102,673	\$2,844,703	5.5	30%
NMHR.	Nurse Practitioner	1.27	0.05	5.71	0.24	2,086	1,639	\$150,196	\$191,084	0.3	30%
NMHR	Enrolled Nurse	1.78	0.07	8.00	0.33	2,920	1,639	\$74,547	\$132,778	0.4	30%
NMHR	Total Allied Health	3.47	0.14	16.29	0.68	5,944	1,715	-	\$271,011	0.8	30%
NMHR	Psychologist	0.58	0.02	2.71	0.11	991	1,715	\$89,058	\$51,434	0.1	30%
NMHR	Social Worker	1.16	0.05	5.43	0.23	1,981	1,715	\$89,058	\$102,868	0.3	30%
NMHR	Occupational Therapist	0.58	0.02	2.71	0.11	991	1,715	\$89,058	\$51,434	0.1	30%
NMHR	Other TQ (eg pharmacis	1.16	0.05	5.43	0.23	1,981	1,715	\$56,511	\$65,275	0.3	30%
NMHR	VQ and Peer Workers	1.85	0.08	8.69	0.36	3,170	1,715		\$101,358	0.4	30%
NMHR	Consumer Peer Worker	0.92	0.04	4.34	0.18	1,585	1,715	\$54,844	\$50,679	0.2	30%
NMHR	Carer Peer Worker	0.92	0.04	4.34	0.18	1,585	1,715	\$54,844	\$50,679	0.2	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	100		\$42,626	\$0		30%
NMHR	VQ Other	0.00	0.00	0.00	0.00	-	4-0	\$51,717	\$0		30%

Annual Cost Salaries	53,968,683
* Including Overheads 30%	\$5,159,288
Average Daily Available Bed Day C	\$589
Average Cost per Patient per annu	\$86,381

Beds	24
Availability	100%
Average Available Beds	24
ABD/Bed/Year	365
Occupancy	90%
OBD/Bed Year	328.5
ALOS (days)	120
Admissions/Bed/Year	2.74
Annual Readmit Rate	10%
Patients/Bed/Year	2.49

Calculato	r .	
	A TOTAL TOTAL	
Number	of standardised admissions per anni	um
multiplie	d by target population	5245
Beds Req	uirred	1916
Cost		\$411,879,216
Staffing		
NMHR	Total Medical	212.2
NMHR	Psychiatrist	80.2
NMHR	Registrar	132.0
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	2455.6
NMHR	Registered Nurse	2211.9
NMHR	Nurse Practitioner	101.6
NMHR	Enrolled Nurse	142.2
NMHR	Total Allied Health	276.6
NMHR	Psychologists	46.1
NMHR	Social Workers	92.2
NMHR	Occupational Therapists	46.1
NMHR	Other	92.2
NMHR	VQ and Peer Workers	147.5
NMHR	Consumer Peer Worker	73.8
NMHR	Carer Peer Worker	73.8
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		3092.0

Version AUS V1 October 2013 TRIM Ref: H12/35030 269

					Nu	rsing						Medical				A	Ilied Hea	lth		Peer Wo	rkers		Voc Qual		AC
De	scription	Director	CNC/NUWNE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Méd Off	Other Specialist	Medical Total	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health Total	Consumer Peer	Carer peer Worker	VO MH Worker	VQ Other	VO Total	
ase Weekty	Makes	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Hours	H
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Worked	Hrs	Hrs	Hrs	Hrs	worked	Hrs	Hrs	Hrs	Hrs	Worked	30	30	Hrs	Hrs	Worked	w
landay	Day	2	8	16	16		8	8	66	8	8			16	3.8	7.6	3.6		6 22.8	7.6	7.6			15.2	
	Evening	-		16	16	-	8		40					-					-						
	Night	-		8	16	-	8		32										-						
esday	Day	2	8	16	16	8	8	8	66	6	8			14	3.8	7.6	3.8	7.1	22.8	7.6	7.6			15.2	
	Evening	-	- L	16	16		8		40							1			-					-	
	Night	-		8	16	-	8		32					-										- 1	
dnesday	Day	2	8	16	16	8	8	8	66	8	8			16	3,8	7.6	3,8	7.9	22.8					-	
	Evening	-	-	16	16	1+	8		40															-	
	Night	- 1	74	8	16		8	-	32	-		1					-							A	
sday	Day	2	8	16	16	8	8	8	66	6	8	-		14	3.8	7.6	3.8	7.0	6 22.8	7,6	7.6	1		15.2	
	Evening	1-	3-0	16	16		8		40					(2)	-									- H	
	Night	-		8	16	-	8		32										1-					-	
	Day	2	8	16	16	8	8	8	66	6	8			14	3.8	7.6	3.8	7.6	6 22.8	7.6	7.6			15.2	
	Evening	-	-	16	16	-	8		40					-					1-			1		-	
	Night	-	-	8	16	-	8		32)				-										-	
rday	All shifts		-	40	48	8	24		120		8			8										~ .	
tay	All shifts	-	-	40	48	8	24		120		8			8					-						
Total H	ours per week	10	40	280	336	56	168	40	930	34	56		- 36	90	19.0	38,0	19.0	38.0	114	30.4	30.4	1	91	60.8	1,1
																			3						
al & Oth	er Leave Relief wee	8	8	9	1	9	17	9		8	8		-8		7	7	7	7	7	7	7	7	7		
all Episo	odes (weighted)																								
ilic Holiday	ys Worked	- 0	0	- 11	11	. 11	11	11			11	11	- 11												
tuctive W	eeks per FTE	44.14	44.14	43.14	43.14	43.14	35.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.14	4	45.14	45.14	45.14	45.14		
																								<u> </u>	
Shirt Hou	urs (Mon-Fri)	10	40	80	80	40	40	40	330	34	40	1		74	19	38	19	38	114	30	30	h G)	-	61	
ning Hour	rs.(Mon-Fri)		-	80	80		40		200		- 9				-	1000		11 11 11 11	31	-		10000	-	1	
Hours/	(Mon-Fri)	-	97	40	80	-	40	-	160		-		-	-	-	-	-				-	P = 1200	-	-	
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ay Houn	8			40	48	8	24		120	-	8	====		8	- 4		-	1	1-	1		- Y-	2		
Hours		10	40	280	336	56	168	40	930	34	56	-	-	90	19	38	19	38	114	30	30	100	-	61	L
		3																							
kly FTE's	5	0.3	1.1	7.4	8.8	1.5	4.4	1.1	24.5	0.9	1.4			2.3	0.5	1.0	0.5	1.0	3.0	8.0	0.8		- 20	1.6	
lef FTE's		0.0	0.2	1.5	1.8	0.3	2.1	0.2	6.3	0.2	0.3	0-0	8	0.4	0.1	0.2	0.1	0.2	0.5	0.1	0.1	10 1000	A.	0.2	
	5	0.3	1.2	8.9	10.7	1.8	6.6	1.3	30.8	1.0	1.7	-1		2.7	0.6	1.2	0.6	1.2	3.5	0.9	0.9			1.8	

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable inputs Variable Inputs

Comments:

Drawn from

Recommendations for Planning -

QId MHPI and SECU, RMH.

May operate as part of combined non/sub acute unit



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.3.3 Service Category – Non-Acute Extended Treatment Services (Residential and Hospital or Nursing Home Based)

Descriptor

Sub-acute and non-acute bed-based services are part of a spectrum of services and, as such, share some characteristics – for example, a focus on rehabilitation. The key difference is that non-acute services provide care over an extended period – with an expected length of stay in excess of 6 months.

People accessing non-acute services present with a relatively stable pattern of clinical symptoms, which may include high levels of severe unremitting symptoms of mental illness and severe levels of need for additional support, resulting in a limited capacity to function independently. The goal is to provide treatment and rehabilitation over an extended period, aimed at promoting personal recovery and reducing difficulties that limit independence.

Distinguishing Features

- Services are provided over an extended period with an expected length of stay greater than 6 months.
- Includes treatment and rehabilitation services for people with high intensity needs for clinical care and treatment over an extended period (needs dominated by positive symptoms and associated problems in context of functional disability).
- Includes residential services for people with high intensity needs for psycho-social rehabilitation (needs dominated by functional disabilities in context of unremitting but relatively stable positive symptoms).
- Services are delivered by multidisciplinary teams operating as part of a local integrated mental health service system.
- Services are usually delivered as collaborations between specialist clinical and community support services.
- The person's needs for services are complex and require significantly higher levels of support than can be provided at home or in other non residential settings.
- Gains are expected to occur slowly and stays are measured in months and years. Measures of average lengths of stay are often distorted by the need to provide continuing care for some people over decades.
- Specialist services are generally provided for adults and for older adults. These extended stay programs are not suitable for young people.
- Intensive care bed based units are provided as secure units gazetted to allow for involuntary detention.

Inclusions

- Non-acute intensive care units are located on general or psychiatric hospital campuses.
- Non-acute intensive care units provided in specialist units in prisons and/or forensic units (These units are out of scope for this project, however the people are included in the epidemiology and are included in the model).
- Bed based units located on general or psychiatric hospital campuses or community based units which provide non-acute services.
- Residential services that provide domestic style overnight accommodation staffed with a minimum of 6 hours support per day and at least 50 hours support per week. Residential services may be further categorised by level of intensity of need in terms of those providing < 24 hours support per day and those providing 24 hours of support per day.
- Older person's mental health extended treatment and rehabilitation units are located in nursing homes and in some cases on general or psychiatric hospital campuses.

Version AUS V1 October 2013 TRIM Ref: H12/35030

V1 October 2013 271

- Specialist extended treatment and rehabilitation bed based units are located on general or psychiatric hospital campuses or collocated with generic specialist services which provide services for people with complex co-morbidities (eg acquired brain injury).
- Non-acute services may be co-located with sub-acute services.

Exclusions

- Personalised support with varying levels of intensity linked to housing or otherwise provided by a support worker.
- Facilities that provide an extensive range of hotel services and limited personalised support.
- Intensive treatment and rehabilitation provided by specialist community mental health teams in homes or other places in the community.
- Support provided by older person's mental health teams to people with complex needs in generic nursing home beds.

Example Services

- Mind, Victoria
- Mid West AMHS Sunshine Hospital Secure Extended Care Unit. Melbourne, Victoria
- Townsville Mental Health Services Medium Secure Unit. Queensland.
- Mid West AMHS Community Care Unit. Melbourne, Victoria.
- Tasmania MHS South Campbell Street Residential Unit. Hobart, Tasmania.
- NWMH Aged Persons MH Program Westside Lodge NH Sunshine, Melbourne, Victoria.
- WMIMH Older Persons Mental Health Service Extended Treatment and Rehabilitation Unit Ipswich General Hospital. Queensland.
- Redcliffe Caboolture MHS Acquired Brain Injury Unit Eventide, Queensland.

2.3.3.1 Service Element - Non-Acute - Intensive Care Service (Hospital)

Attribute	Details
Status	Gazetted
Services Delivered	Non-acute intensive care services provide medium to long term treatment and rehabilitation in a safe, structured environment for people with unremitting and severe symptoms of mental illness and an associated significant disturbance in behaviour which precludes their living in a less restrictive environment. Services include, specialist behavioural and symptom management programs, individualised and group rehabilitation programs aimed at maximising individual functioning and minimising the effects of long term care and recovery oriented predischarge and community placement planning to support safe transition to more independent living.
Key Distinguishing Features	Non-acute intensive care services are located on hospital campuses. Units are designed to provide a reasonably high level of security. Programs have a strong focus on safety, security and risk assessment and management. They operate as a component of a district or area integrated mental health service system. Not to be confused with low, medium and high security forensic units (Forensic units are out of scope for this project, however the people are included in the epidemiology and are included in the model). Usually incorporates sub-acute intensive care program beds.
Service specification	ns and other useful descriptors to illustrate service elements.
Target Age:	Adults and selected young people with special needs.
Diagnostic Profile	Primary diagnoses usually include schizophrenia, psychosis or severe mood illnesses. Also may have complex presentations including issues with personality illness, drug and alcohol illnesses, complex trauma and clinically significant deficits in psychosocial functioning. Associated issues of behaviour and risk which indicate a need for rehabilitation include severely disorganised behaviour leading to difficulty in managing activities of daily living, impaired impulse control, vulnerability, ongoing risk of aggression, and significant risk of self harm.
Average unit size	24 beds
Hours	24 hours / 7 days
Suggested Modellin	
% Occupancy	95%
Average LOS	365 days
Annual readmission rate	10%
Indicative staffing FTE/Bed	Multidisciplinary 1.8 FTE/ bed.
Sources	 Community Care and Secure Extended Care Units, Program Management Circular, Victorian Government, 2007. Primary source Secure Mental Health Rehabilitation Unit Model of Service, QPMHS, Queensland, 2011. Primary source. Multi-Site Benchmarking of Medium Secure Units, Queensland Mental Health Benchmarking Unit, QH, 2010. NMHSPF Expert Working Group.

Service Element – Non-Acute – Intensive Care Service – Staffing Profile

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	37.81	1.58	166.34	6.93	60,715	1,606	\$103,632	\$3,918,004	7.3	30%
NMHSPF	Vocationally Qualified	1.78	0.07	8.00	0.33	2,920	1,639	\$74,547	\$132,778	0.4	30%
NMSPF	Peer Worker	0.92	0.04	4.34	0.18	1,585	1,715	\$54,844	\$50,679	0.2	30%
NMHSPF	Tertiary Qualified	32.44	1.35	141.14	5.88	51,517	1,588	\$101,923	\$3,306,798	6.2	30%
NMHSPF	Medical	2.66	0.11	12.86	0.54	4,693	1,766	\$160,941	\$427,749	0.6	30%
	0.5.00	1.2.2		Hours/	Hours/	2837.73			5.50		
NMHR	TOTAL	FTE	FTE/Bed	day	ABD	Hrs annual		Salary **	Cost		O'heads %
NMHR	Total Medical	2.66	0.11	12.86	0.54	4,693	1,766	3.6	\$427,749		30%
NMHR	Psychiatrist	1.00	0.04	4.86	0.20	1,773	1,766	\$200,564	\$201,377		30%
NMHR	Registrar	1.65	0.07	8.00	0.33	2,920	1,766	\$136,885	\$226,372	0.4	30%
NMHR	Junior Medical Officer	0.00	0.00	0.00	0.00	¥ -	18.1	\$171,102	\$0	(A)	30%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00			\$212,167	\$0		30%
NMHR	Total Nursing	30.76	1.28	132.86	5.54	48,493	1,576		\$3,168,565	5.8	30%
NMHR	Registered Nurse	27.71	1.15	119.14	4.96	43,487	1,570	\$102,673	\$2,844,703	5.2	30%
NMHR	Nurse Practitioner	1.27	0.05	5.71	0.24	2,086	1,639	\$150,196	\$191,084	0.3	30%
NMHR	Enrolled Nurse	1.78	0.07	8.00	0.33	2,920	1,639	\$74,547	\$132,778	0.4	30%
NMHR	Total Allied Health	3.47	0.14	16.29	0.68	5,944	1,715	8 3.0	\$271,011	0.7	30%
NMHR	Psychologist	0.58	0.02	2.71	0.11	991	1,715	\$89,058	\$51,434	0.1	30%
NMHR	Social Worker	1.16	0.05	5.43	0.23	1,981	1,715	\$89,058	\$102,868	0.2	30%
NMHR	Occupational Therapist	0.58	0.02	2.71	0.11	991	1,715	\$89,058	\$51,434	0.1	30%
NMHR	Other TQ (eg pharmacis	1.16	0.05	5.43	0.23	1,981	1,715	\$56,511	\$65,275	0.2	30%
NMHR	VQ and Peer Workers	0.92	0.04	4.34	0.18	1,585	1,715		\$50,679	0.2	30%
NMHR	Consumer Peer Worker	0.92	0.04	4.34	0.18	1,585	1,715	\$54,844	\$50,679	0.2	30%
NMHR	Carer Peer Worker	0.00	0.00	0.00	0.00	35	7	\$54,844	\$0		30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	9	17	\$42,626			30%
NMHR	VQ Other	0.00	0.00	0.00	0.00		-	\$51,717	50		30%

Annual Cost Salaries		\$3,918,004
* Including Overheads	30%	\$5,093,405
Average Daily Availabl	5581	
Average Cost per Patie	nt per annu	\$245,734

Beds	24
Availability	100%
Average Available Beds	24
ABD/Bed/Year	365
Occupancy	95%
OBD/Bed Year	346.8
ALOS (days)	365
Admissions/Bed/Year	0.95
Annual Readmit Rate	10%
Patients/Bed/Year	0.86

Calculato	r	
Number	of standardised admissions per annu	um
multiplie	5245	
Beds Req	5521	
Cost		\$1,171,706,603
Staffing		
NMHR	Total Medical	611.4
NMHR	Psychiatrist	231.0
NMHB	Registrar	380.4
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	7076.1
NMHR	Registered Nurse	6373.7
NMHR	Nurse Practitioner	292.7
NMHR	Enrolled Nurse	409.7
NMHR	Total Allied Health	797.2
NMHR	Psychologists	132.9
NMHB	Social Workers	265.7
NMHB	Occupational Therapists	132.9
NMHR	Other	265.7
NMHR	VQ and Peer Workers	212.6
NMHR	Consumer Peer Worker	212.6
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		8697.3

					Nu	sing						Medical				A	Ilied Heal	th		Peer Wo	rkers		Voc Qual		AQ
De	scription	Director	CNC/NUMNE	CN	RN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health Total	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VQ Other	VO Total	,
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ase Weekiy i Day	Shift	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	40 Hrs	40 Hrs	40 Hrs	40 Hrs	Worked	38 Hrs	38 Hrs	38 Hrs	38 Hrs	Worked	38	38	38 Hrs	38 Hrs	Worked	W
inday	Day	2	8	16		-	8	8	66	8	8			16	3.8		3.8	7.0	22.8	7.6		1		7.6	
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sday	Day	2	8	16	16	8	8	8	66	6	8			14	3.8	7.8	3.8	7.	22.8	7,6				7.6	17.0
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rsday	Day	2	8	16	:16	8	8	8	66	6	8			14	3.8	7.6	3.8	7.0	22.8	7.6		3		7.6	1
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	Night	1	94.	8	16	120	8		32					9-5					-			3 6		H mag	
y .	Day	2	8	16	16	8	8	8	66	6	- 8			14	3.8	7.6	3.8	7.0	22.8	7.6		-		7.6	
	Evening	- 4	-2.	16	16	4.0	8		40															2-	
	Night		0-	8	16	-	8		32																
turday	All shifts		-	40	_		24		120		8			.8											1
nday	All shifts		1	40			24		120		8			. 8					-					1 2 2 2	1
Total Ho	ours per week	10	40	280	336	56	168	40	930	34	56	1 - 2 +0		90	19.0	38.0	19.0	38.0	114	30.4	- 4	1 - 6		30.4	10
ual & Othe	er Leave Reliefweek		8	9		9	-17	9		8	8		8		7	7	7	-	7	7		7 7		7	
Call Episod	des (weighted)																								
	sWorked	(0	11	1	11	- 11	11			- 11	11	11												
	eeks per FTE	44.14	44.14	43.14	49.1	49,14	35.14	43,14		44.14	-44.14	44.14	44.14		45,14	45.14	45.14	45.1	4	45.14	45.1	45.14	45.1	4	
Shift Hour	rs (Mon-Fit)	10	40	80	80	40	40	40	330	34	40			74	19	38	19	38	114	30		1 -1		30	-
	(Mon-Fri)	- 1		80	_		40		200		0		- 01		9		9			2.0	- 0		9	5.1	
nt Hours (I				40			40		160	= = = 1	- W.	- 8			- 2	-2								111 - 21	
irday Hour		- 3	- 3	40			24		120		. 8	I FR		8	(= g	1.1.2.		1 - 3	1 2	1 31	-	1		111 - 27	
day Hours				40	_		24		120		8			8	-		-	4		1	- 2	1		1	
al Hours		10	40	280	_						56	8		90	19	38	19	38	114	30	- 8		8	30	
kly FTES		0.3	1.1	7.4	8,8	1.5	4.4	13	24.5	0.9	7.4		-	2.3	0.5	1.0	0.5	1.0	3.0	0.8	-	- 1		0.8	
ellet FTE's		0.0		1.5		_								0.4				0.2		13.4	-	14		0.1	
		0.3		8.9				-		1.0			41	2.7		17.00		1.2						1	_

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable inputs

Variable Inputs

Comments: Drawn from

Recommendations for Planning -

Qld MHPI and SECU, RMH.



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.3.3.2 Service Element - Non-Acute -Intensive Care Service - Older Adult (65+) (Hospital Based)

Attribute	Details								
Status	Gazetted								
Services Delivered	Non-acute intensive care services provide medium to long term treatment and rehabilitation in a safe, structured environment for people with unremitting and severe symptoms of mental illness and an associated significant disturbance in behaviour which precludes their living in a less restrictive environment. Services include, specialist behavioural and symptom management programs, individualised and group rehabilitation programs aimed at maximising individual functioning and minimising the effects of long term care and recovery oriented predischarge and community placement planning to support safe transition to more independent living.								
Key Distinguishing Features	Non-acute intensive care services are located on hospital campuses. Units are designed to provide a reasonably high level of security. Programs have a strong focus on safety, security and risk assessment and management. They operate as a component of a district or area integrated mental health service system. Not to be confused with low, medium and high security forensic units. Usually incorporates sub-acute intensive care program beds.								
Service specification	ns and other useful descriptors to illustrate service elements.								
Target Age:	Older adults								
Diagnostic Profile	Late onset mental illness or, early onset severe mental illness complicated by the need for additional supports associated with ageing, or, severe mental illness as a complication of dementia or other age-related illnesses. Other common diagnoses include schizophrenia and organic and mood illnesses Also may have complex presentations including personality illness, drug and alcohol illnesses, complex trauma and clinically significant deficits in psychosocial functioning. Associated issues of behaviour and risk which indicate a need for rehabilitation include severely disorganised behaviour leading to difficulty in managing activities of daily living, impaired impulse control, vulnerability, ongoing risk of aggression, and significant risk of self harm.								
Average unit size	24 beds								
Hours	24 hours / 7 days								
Suggested Modelling	g Attributes								
% Occupancy	95%								
Average LOS	365 days								
28 day readmission rate	10%								
Indicative staffing FTE/Bed	Multidisciplinary 1.62 clinical FTE/ bed.								
Sources	 Community Care and Secure Extended Care Units, Program Management Circular, Victorian Government, 2007. Primary source Secure Mental Health Rehabilitation Unit Model of Service, QPMHS, Queensland, 2011. Primary source. Multi-Site Benchmarking of Medium Secure Units, Queensland Mental Health Benchmarking Unit, QH, 2010. NMHSPF Expert Working Group MH-CCP Older persons modelling. 								

Service Element – Non-Acute -Intensive Care Service – Older Adult – Staffing Profile

				Hours/	Hrs/ Bed	Hours		Wghtd	200	A STATE OF THE PARTY OF THE PAR	Overheads
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	day	avail avge	annual	FTE scalar	avge salry	Cost	/person	%
NMHSPF	TOTAL	38.86	1.62	171.37	7.14	62,551	1,610	\$103,859	\$4,035,919	7.5	30%
NMHSPF	Vocationally Qualified	2.36	0.10	10.71	0.45	3,911	1,658	\$68,957	\$162,646	0.5	30%
NMSPF	Peer Worker	0.92	0.04	4.34	0.18	1,585	1,715	\$54,844	\$50,679	0.2	30%
NMHSPF	Tertiary Qualified	32.33	1.35	140.60	5.86	51,319	1,587	\$101,885	\$3,293,788	6.2	30%
NMHSPF	Medical	3.25	0.14	15.71	0.65	5,736	1,766	\$162,789	\$528,805	0.7	30%
	- T			Hours/	Hours/						1
NMHR	TOTAL	FTE	FTE/Bed	day	ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	3.25	0.14	15.71	0.65	5,736	1,766	872.75	\$528,805	0.7	30%
NMHR	Psychiatrist	1.00	0.04	4.86	0.20	1,773	1,766	\$200,564	\$201,377	0.2	30%
NMHR	Registrar	1.65	0.07	8.00	0.33	2,920	1,766	\$136,885	\$226,372	0.4	30%
NMHR	Junior Medical Officer	0.59	0.02	2.86	0.12	1,043	1,766	\$171,102	\$101,056	0.1	30%
NMHR	Other Medical Specialist	0.00	0.00	0.00	0.00	100		\$212,167	\$0		30%
NMHR	Total Nursing	30.76	1.28	132.86	5.54	48,493	1,576		\$3,168,565	5.8	30%
NMHR	Registered Nurse	27.71	1.15	119.14	4.96	43,487	1,570	\$102,673	\$2,844,703	5.2	30%
NMHR	Nurse Practitioner	1.27	0.05	5.71	0.24	2,086	1,639	\$150,196	\$191,084	0.3	30%
NMHR	Enrolled Nurse	1.78	0.07	8.00	0.33	2,920	1,639	\$74,547	\$132,778	0.4	30%
NMHR	Total Allied Health	3,35	0.14	15.74	0.66	5,746	1,715		\$258,001	0.7	30%
NMHR	Psychologist	0.58	0.02	2.71	0.11	991	1,715	\$89,058	\$51,434	0.1	30%
NMHR	Social Worker	0.58	0.02	2.71	0.11	991	1,715	\$89,058	\$51,434	0.1	30%
NMHR	Occupational Therapist	0.58	0.02	2.71	0.11	991	1,715	\$89,058	\$51,434	0.1	30%
NMHR	Other TQ (eg pharmacis	1.62	0.07	7.60	0.32	2,774	1,715	\$64,126	\$103,699	0.3	30%
NMHR	VQ and Peer Workers	1.50	0.06	7.06	0.29	2,576	1,715		\$80,548	0.3	30%
NMHR	Consumer Peer Worker	0.92	0.04	4.34	0.18	1,585	1,715	\$54,844	\$50,679	0.2	30%
NMHR	Carer Peer Worker	0.00	0.00	0.00	0.00		0.0	\$54,844	\$0	1 6	30%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	A.	1.4	\$42,626	\$0	5	30%

0.11

* Including Overheads 30% \$4,035,919
Average Daily Available Bed Day C
Average Cost per Patient per annu \$253,130

\$51,717

\$29,869

30%

1,715

Beds	24
Availability	100%
Average Available Beds	24
ABD/Bed/Year	365
Occupancy	95%
OBD/Bed Year	346.8
ALOS (days)	365
Admissions/Bed/Year	0.95
Annual Readmit Rate	10%
Patients/Bed/Year	0.86

Calculato	ř.	
Number o	of standardised admissions per annum	
multiplied	by target population	5245
Beds Req	uirred	5521
Cost	\$1,206,969,937	
Staffing		
NMHR	Total Medical	747.3
NMHR	Psychiatrist	231.0
NMHR	Registrar	380.4
NMHR	Junior Medical Officer	135.9
NMHR	Other Specialist	0.0
NMHR	Total Nursing	7076.1
NMHR	Registered Nurse	6373.7
NMHR	Nurse Practitioner	292.7
NMHR	Enrolled Nurse	409.7
NMHR	Total Allied Health	770.6
NMHR	Psychologists	132.9
NMHR	Social Workers	132.9
NMHR	Occupational Therapists	132.9
NMHR	Other	372.0
NMHR	VQ and Peer Workers	345.4
NMHR	Consumer Peer Worker	212.6
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	0.0
NMHR	VQ Other	132.9
Total		8939.4

VQ Other

0.58

0.02

2.71

					Nu	rsing						Medical				Α	Ilied Healt	h		Peer Wo	rkers		Voc Qual		AQMH
D	escription	Director	CNC/NUMNE	CN	ĦN	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist.	Social Worker	Occupational Therapist	Other	Allied Health Total	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VQ Other	VO Total	All Total
Base Weekly	V Cloure	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Hours Worked	Hours Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Worked	Hrs	Hrs	Hrs	Hrs	Worked	Hrs	Hrs	Hrs	Hrs	Worked	- 30	-30	Hrs	Hrs	Worked	Worked
Monday	Day	2	8	16	-16	-	8	8	66	8	4			20	3.8	3.8		7.6	19.0	7.6				3.8 11.4	1
	Evening			16	16		8		40								-								
	Night	-	_	- 8	16	-	8		32										-						
Tuesday	Day	2	8	16	16	8	8	- 8	66	6	- 8	-		18	3.8	3.8	3.8	7.6	19.0	7.6				3.8 11.4	
	Evening			16	16	-	8		40																
	Night	- 4		8	16	-	8		32					- 2					1					-	
Wednesday	Day	2	8	16	16	8	8	8	66	. 8		4		20	3.8	3.8	3.8	7.6	19.0					3.8 3.8	7 = 1
	Evening	1	91	16	16	1	8		40																0 7
	Night	-	8	8	16	-	8		32					1 72					- ×						1 1 1 1 1 1 1 1
Thursday	Day	2	8	18	16	8	8	8	66	6	8	4		18	3.8	3.8	3.8	7.6	19.0	7.6		1		3.8 11.4	_
	Evening	-1	-	10	16	-	.8		40					× 1					1 == X1					-	
	Night	-		8	16	-	8		32					- × 1					-					-	
Enday	Day	2	8	16	16	8	8	8	66	6		4		18	3,8	3.8	3.8	.7.6	19.0	7.6				3.8 11.4	
	Evening	-	-	16	16	-	8		40										1					-	
	Night	-	-	8	16	-	8		32					-					-					-	
Saturday	All shifts	3	-	40	48	3	24		120		- 8			8				7.6	7.6	-					
Sunday	All shifts		-	40	48	8	24		120					8				7.6	. 8					-	
Total I	Hours per week	10	40	280	336	56	168	40	930	34	56	20		110	19.0	19.0	19.0	53.2	110	30.4		-	19	1.0 49.4	1,2
Annual & Ot	her Leave Relief week	8	8	9		9 9	17	9		8		8	8		7	7	7	7		7	17	7		7	
On Call Epis	odes (weighted)												1												
Public Holida	ays Worked	0	0	- 11	4	f fr	11	- 11			11	- 11	11		(100										
Productive W	Veeks per FTE	44.14	44.14	43.14	43.1	4 43.14	35.14	43.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.14		45.14	45.14	45.14	45	.14	
Day Shift Ho	urs (Mon-Fit)	10	40	80	80	40	40	40	330	34	40	20	*	94	19	19	19	38	95	30	-	- 6		19 49	
Evening Hou	rs (Mon-Fri)		3	80	80	-	40		200	-	-	-	- 8	×		- <	8.			8	-			_	
Night Hours	(Mon-Fri)	-		40	80	1	40		160		-	-	- 0		. 8					- 8	8	-	-	-	
Saturday Ho	urs		-	40	48	3 8	24		120	-	8	-		8	8			- 8	8	- 8-1	8		-		
Sunday Hou	rs	-		40	48	8	24		120	-	- 8			8	- 8			8	8	8					1 1 1
Total Hours		10	40	280	336	56	168	40	930	34	56	20	-80	110	19	19	19	53	110	30	- 6.:			19 49	1,
						1						- 12								,					
Weekly FTE		0.3		7.4	8.8	-		1.1	24.5	0.9	1.4			2.8	0.5	0.5		1.4	2.9	8.0	-).5 1.3	
Relief FTE		0.0	0.2					0.2		0.2	0,3	_		0.5		0.1		0.2		0.1		-		0.1	
Annual FTE	S	0.3	1.2	8.9	10.7	1.8	6.6	1.3	30.8	1.0	1.7	0.6		3.2	0.6	0.6	0.6	1.6	3.3	0.9		· ·	- 1	1.6	3

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable inputs

Variable Inputs

Comments: Drawn from

Recommendations for Planning -

Qld MHPI and SECU, RMH Adult Services.

Replicates adult model for older adult as per R McKay



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.3.3.3 Service Element - Non-Acute - Adult and Older Adult (24 Hour Support) (Residential)

Attribute	Details
Status	Not gazetted
Services Delivered	These services are residential in nature. They provide accommodation and recovery oriented treatment and rehabilitation for people whose needs are associated with severe mental illness, the associated clinical symptoms, and unresolved psychosocial or functional disability. Staffing is on-site up to 24 hours a day to deliver recovery oriented psychosocial rehabilitation and support to achieve agreed outcomes identified in an individualised person centred recovery plan inclusive of support networks and support to build links with in the community to sustain community integration and social connectedness. These services offer ongoing development of skills and strategies for managing mental and general health, promoting wellbeing, sustainable community living and meaningful engagement in the social, recreational and vocational activities of choice. Services also include clinical support and treatment including specialist medical psychiatric review and support of people receiving involuntary community treatment under the provisions of the relevant legislation.
Key Distinguishing Features Service specification	Residential services are provided as congregate living arrangements (may be 5 to 20 beds per dwelling) in which people may share living spaces such as a kitchen, dining room or family room and may have their own bathrooms and bedrooms. Services are provided in flexible arrangements which provide a minimum of 6 hours per day support up to 24 hours per day. Services may be categorised as providing less than 24 hours or 24 hours of support. Clinical support is provided on site generally by a local mental health service. The same of the restriction of the service elements.
_	-
Target Age: Diagnostic Profile	Adults and Older Adults. Primary diagnoses usually include schizophrenia and related psychosis and mood
Diagnostio i Tome	illnesses. Also may have complex presentations including issues with personality illness, drug and alcohol illnesses and significant deficits in psychosocial functioning. Typically people have significant needs for community based functional support which make living independently even with high levels of personal support difficult in the context of a severe but relatively stable mental health status. The person will have access to a recovery based support program. The person may be referred to address severe unremitting symptoms which may be complicated by lack of support, difficulty accessing services, other health issues, deterioration in cognitive and coping skills, difficulties maintaining tenure of accommodation and lack of quality of life.
Average unit size	5-20 beds
Hours	Staffed 6 to 24 hours per day 7 days per week.
Suggested Modelling	g Attributes
% Occupancy	95%
Average LOS	365 days
Annual	10%
readmission rate	Multidiociplinary
Indicative staffing FTE/Bed	Multidisciplinary 0.96 FTE/ bed where care is provided 24 hours per day for 20 people. For service provided at < 24 hours per day a range of hours per day direct care packages are provided.
Sources	 Presentation for NMHSPF EWG, Models of Residential Services, Dr Gerry Naughtin, Mind Australia. Primary source. Key Principles Underpinning Residential Services (Draft). Mind Australia. 2012. Community Care Unit – Model of Service, QPMHS, Queensland, 2011. Handbook of Psychosocial Rehabilitation: King, Lloyd and Meehan, 2007

EXHIBIT 233 DBK.500.002.0899

- Overview of Future Directions, Transitional Recovery Program, Queensland Government 2008
- Service Model Guidelines (Draft), Transitional Recovery Program, Queensland government, 2011
- Planning Estimates for the Community Support Sector in Queensland: Harris, Siskind, Buckingham, Pirkis, Whiteford, QCMHR, 2009
- A Domains-Based Taxonomy of Supported Accommodation for People with Severe and Persistent Mental Illness: Siskind, Harris, Pirkis, Whiteford, Submitted for publication December 2011.
- Community Care and Secure Extended Care Units, Program Management Circular, Victorian Government, 2007.
- Community Care Unit Model of Service, QPMHS, Queensland, 2011.
- DRAFT IN CONFIDENCE. NOT FOR CIRCULATION OF Multi-Site Benchmarking of Community Care Units and Extended Treatment and Rehabilitation Units, Queensland Mental Health Benchmarking Unit, QH,

Version AUS V1 October 2013 TRIM Ref: H12/35030

280

Service Element – Non-Acute – Adult and Older Adult (24 Hour Support) – Staffing Profile

COUPLAR		-	FTF /D - 4	Hours/	Hrs/ Bed	Hours	CTT	Wghtd		If the Art Co. Decree	Overheads %
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	day	avail avge	annual	FTE scalar	avge salry	Cost	/person	10.7
NMHSPF	TOTAL	19.48		88.77	4.44	32,402	1,663	\$89,650	*		25%
NMHSPF	Vocationally Qualified	4.85		22.80	0.50	8,322	1,715	\$53,660			25%
NMSPF	Peer Worker	0.92	0.05	4.34	0.22	1,585	1,715	\$54,844	\$50,679		25%
NMHSPF	Tertiary Qualified	13.18	0.66	59.06	2.95	21,556	1,636	\$103,199	\$1,359,923	3.1	25%
NMHSPF	Médical	0.53	0.03	2.57	0.13	939	1,766	\$142,744	\$75,877	0.1	25%
		7.0	-	Hours/	Hours/	_					1
NMHR	TOTAL	FTE	FTE/Bed	day	ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	0.53	0.03	2.57	0.13	939	1,766		\$75,877	0.1	25%
NMHR	Psychiatrist	0.18	0.01	0.86	0.04	313	1,766	\$186,972	\$33,129	0.0	25%
NMHR	Registrar	0.35	0.02	1.71	0.09	626	1,766	\$120,630	\$42,748	0.1	25%
NMHR	Junior Medical Officer	0.00	0.00	0.00	0.00	1.0	3	\$150,783	\$0	4	25%
NMHR	Other Medical Specialis	0.00	0.00	0.00	0.00	-		\$186,972	\$0	-	25%
NMHR	Total Nursing	8.21	0.41	35.71	1.79	13,036	1,588		\$843,028	1.9	25%
NMHR	Registered Nurse	8.21	0.41	35.71	1.79	13,036	1,588	\$102,673	\$843,028	1.9	25%
NMHR	Nurse Practitioner	0.00	0.00	0.00	0.00	100	- 8	\$150,196	\$0	-	25%
NMHR	Enrolled Nurse	0.00	0.00	0.00	0.00			\$74,547	\$0	-	25%
NMHR	Total Allied Health	4.97	0.25	23,34	1.17	8,520	1,715		\$516,894	1.2	25%
NMHR	Psychologist	0.58	0.03	2.71	0.14	991	1,715	\$89,058	\$51,434	0.1	25%
NMHR	Social Worker	1.16	0.06	5.43	0.27	1,981	1,715	\$89,058	\$102,868	0.3	25%
NMHR	Occupational Therapist	3.23	0.16	15.20	0.76	5,548	1,715	\$112,112	\$362,592	0.8	25%
NMHR	Other TQ (eg pharmacis	0.00	0.00	0.00	0.00		-	\$56,511	\$0	-	25%
NMHR	VQ and Peer Workers	5.78	0.29	27.14	1,36	9,907	1,715		\$311,000	1.4	25%
NMHR	Consumer Peer Worker	0.92	0.05	4.34	0.22	1,585	1,715	\$54,844	\$50,679	0.2	25%
NMHR	Carer Peer Worker	0.00	0.00	0.00	0.00	()	-	\$54,844	. \$0	A	25%
NMHR	VQMH Worker	4.85	0.24	22.80	1.14	8,322	1,715	\$53,660	\$260,321	1.2	259
				1000				6 2 1 1 1 1 1 1	C. C. L. C.		

,		\$65,105	\$0
Annual Cost S	Salaries		\$1,746,800
* Including O	verheads 25	%	\$2,183,499
Average Daily	Available B	ed Day C	\$299

Average Cost per Patient per annu \$126,413

Beds	20
Availability	100%
Average Available Beds	20
ABD/Bed/Year	365
Occupancy	95%
OBD/Bed Year	346.8
ALOS (days)	365
Admissions/Bed/Year	0.95
Annual Readmit Rate	10%
Patients/Bed/Year	0.86

Calculato	or .	
	of standardised admissions per annum	
multiplie	d by target population	5245
Beds Req	uirred	5521
Cost		\$602,760,754
Staffing		
NMHR	Total Medical	146.7
NMHR	Psychiatrist	48.9
NMHR	Registrar	97.8
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	2266.6
NMHR	Registered Nurse	2266.6
NMHR	Nurse Practitioner	0.0
NMHR	Enrolled Nurse	0.0
NMHR	Total Allied Health	1371.1
NMHR	Psychologists	159.4
NMHR	Social Workers	318.9
NMHR	Occupational Therapists	892.8
NMHR	Other	0.0
NMHR	VQ and Peer Workers	1594.3
NMHR	Consumer Peer Worker	255.1
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	1339.2
NMHR	VQ Other	0.0
Total		5378.8

NMHR

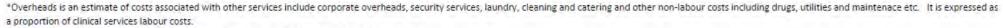
VQ Other

0.00

AQMHP All Total

Worked

					Nu	rsing						Medical	-			A	Ilied Heal	th		Peer Wor	kers		Voc Qual	
Desc	cription	Director	CNONUMNE	CN	ŔŃ	Enrolled Nurse	Graduate Nurse Training	Nurse Practitioner	Nursing Total	Psychiatrist	Registrar	Jun Med Off	Other Specialist	Medical Total	Psychologist	Social Worker	Occupational Therapist	Other	Allied Health Total	Consumer Peer Worker	Carer peer Worker	VQ MH Worker	VQ Other	VQ Total
													1											Hours
Base Weekly Hour	TS .	38	38	38	38	38	38	38	Worked	40	40	40	40	Worked	38	38	38	38	Worked	38	38	38	38	Worked
Day	Shift	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs		Hrs	Hrs	Hrs	Hrs				Hrs	Hrs	42 3
Monday	Day	2	8	8			8		26	2	4			6	3.8	7.6	7.6		19.0	7.6		7.6		15.2
	Evening	-	-	8					8				/	-			7.6		7.6	J		7.6		7.6
	Night	-	-	8					8													7.6		7.6
Tuesday	Day		8	8			8		24						3.8	7.6	7.6		19.0	7.6		7.6		15.2
	Evening	-	-	8					8					-			7.6		7.6			7.6		7.6
	Night	-	-	8					8					- 5								7.6		7.6
Wednesday	Day		8	8			8		24	2	4			6	3.8	7.6	7.6		19.0	1 10		7.6		7.6
	Evening	7	+	8					.8								7.6		7.6			7.6		7.6
	Night								8					- 9						1		7.6		7.6
Thursday	Day		8	8			. 8		24						3.8	7.8	7.6		19.0	7.6		7.6		15.2
	Evening	-	_	8					8					-			7.6		7.6			7.6		7.6
	Night			8					8					_								7.6		7.6
Friday	Day		8	8			8		24	2	4			6	3.8	7,6	7.6		19.0	7.6		7.6		15.2
	Evening			8					8								7,6		7.6	Y		7.6		7.6
	Night			8					8											Y		7.6		7.6
Saturday	All shifts			24			_		24								15.2		15.2			22.8		22.8
Sunday	All shifts			24					24				1				15.2		15			22.8		23
	ars per week	2		168		-	40		250		12			18	19.0	38.0			-	30.4		159.6		190.0
Total nou	as per week		40	100	-		40		250		12			10	18.0	30.0	100.4	- 1	100	30.4		109.0		150.0
Annual & Other Le	eave Relief weeks	8	8			9 9	17	9	1	8	8	-8	8		7	7	7		7	7		7		7
On Call Episodes ((weighted)									9	9	9	9		7									4
Public Holidays Wi	orked		0	- 1		11 11	91	H			H	- 11	11											1
Productive Weeks		44.14	44.14	43.14	43.1	43,14	35.14	49.14		44.14	44.14	44.14	44.14		45.14	45.14	45.14	45.1	14	45.14	45.14	45.14	45.1	4
Day Shift Hours (M	Mon-Frii	2	40	40			40		122	6	12	-		18	19	38	38	~	95	30		38		68
Evening Hours (Mo			1	40			_	_	40								38		38			38		38
Night Hours (Mon-				40					40		-				-						-	38	-	38
Saturday Hours				24					24					- 31	1		15		15		-	23	_	23
Sunday Hours				24					24			-			1		15		15	- 0		23	-1	23
Total Hours		2	40	168		- 2	40		250	6	-		J. — ,	18	19	38		8	163	30		160		190
Veekty FTE's		0.1	1.1	4.4		1	1.1		6.6	0.2	0.3			0.5	0.5	1.0	2.8		4.3	0.8		4.2	T	5.0
Relief FTE's		0.0		0.9	_		0.5		1.6					0.1		0.2		- 8	0.7	0.1		0.7		0.8
		0.1	1.2	5.3			1.6		8.2	0.0			_	0.5		1.2			5.0	0.9		4.9		5.8
Annual FTE's		0.1	1.2	5.3			1.6		8.2	0.2	0.4	U+.	3.0	0,5	0.6	1,2	3.2	-*-	5.0	0.9		4.9		5.8



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs Variable inputs

Comments:

Estimate drawn from QLD staffing profiles for new servcies 2012 and Victorian models. AH and RMH allocat 6 weeks leave, 4% sick leave and 4% ADO's



2.3.3.4 Service Element - Non-Acute - Older Adult (Hospital/Nursing Home Based)

Attribute	Details
Status	May be gazetted
Services Delivered	Non-acute units for older adults are specifically designed for people who have severe and persistent symptoms of mental illness that have responded poorly or partially to treatment, and who have risk profiles often with behavioural disturbance that preclude them from living in either community or aged care settings. These service provide care over an indefinite period for people who have a relatively stable but severe level of need for additional support thus requiring extensive care and support. They offer assessment, ongoing treatment, rehabilitation and residential support for people who require non-acute mental health care and aged care services.
Key Distinguishing Features	These services are provided as partnerships within the generic aged care sector and are collocated with nursing homes and hostels or provided, as standalone units on hospital campuses. Units are designed to meet the special needs of older adults for longer-term accommodation, ongoing assessment, treatment and rehabilitation in a safe environment. People may remain in these units for lengthy periods but opportunities are sought where possible to achieve discharge to a less restrictive environment such as a generic nursing home place.
Service specification	ns and other useful descriptors to illustrate service elements.
Target Age:	Older adults.
Diagnostic Profile	Late onset mental illness or, early onset severe mental illness complicated by the need for additional support associated with ageing, or, severe mental illness as a complication of dementia or other age-related illnesses. Common diagnoses include schizophrenia and organic and mood illnesses
Average unit size	16 beds
Hours	24 hours / 7 days
Suggested Modelling	g Attributes
% Occupancy	95%
Average LOS	365 days
Annual	10%
readmission rate	
Indicative staffing	Multidisciplinary
FTE/Bed	1.28 FTE/ bed.
Sources	 Older Persons Extended Treatment Inpatient Unit Model of Service, QPMHS, Queensland, 2011. Primary source. Southern Cross high Dependency Residential Care Service for older Persons – Protocols, Metropolitan Mental Health Services/Mental health commission, Western Australia, May 2012. Community Care and Secure Extended Care Units, Program Management Circular, Victorian Government, 2007. Multi-Site Benchmarking of Older Persons Extended Treatment Inpatient Units, Queensland Mental Health Benchmarking Unit, QH, 2011. NMHSPF Expert Working Group.

NMHSPF: Service Element and Activity Descriptions

DBK.500.002.0903

Service Element – Non-Acute – Older Adult – Staffing Profile

Non-Acute	 Older Adult (Hospital/No 	irsing Home	Based)								
SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	20.48	1.28	91.60	5.73	33,434	1,632	\$94,517	\$1,935,935	6.0	25%
NMHSPF	Vocationally Qualified	3.56	0.22	16.00	1.00	5,840	1,639	\$74,547	\$265,556	1.1	25%
NMSPF	Peer Worker	0.92	0.06	4.34	0.27	1,585	1,715	\$54,844	\$50,679	0.3	25%
NMHSPF	Tertiary Qualified	15.46	0.97	68.69	4.29	25,070	1,621	\$99,830	\$1,543,823	4.5	25%
NMHSPF	Medical	0.53	0.03	2.57	0.16	939	1,766	\$142,744	\$75,877	0.2	25%

NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTF scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	0.53	PART IN YES	2.57	0.16	-0.0 TO LOW	1,766	Sulary	\$75,877	0.2	25%
								\$186,972			100
NMHR NMHR	Psychiatrist Registrar	0.18		0.86 1.71	0.05	7 - 1	1,766 1,766	\$120,630	0.2 3/272	0.1	25% 25%
	Junior Medical Officer			0.00	0.00	3	1,700			0.1	25%
NMHR NMHR	Other Medical Specialist	0.00		0.00	0.00			\$150,783 \$186,972	7.2		25%
NMHR	Total Nursing	17.18		76.00	4.75		1,615	9100,072	\$1,663,587	5.0	25%
NMHR	Registered Nurse	13.62		60.00	3.75	W 20 C C C C C C C C C C C C C C C C C C	1,608	\$102,673	The second secon	3.9	25%
NMHR	Nurse Practitioner	0.00		0.00	0.00	0.740.3.3		\$150,196	\$0	-	25%
NMHR	Enrolled Nurse	3.56	0.22	16.00	1.00	5,840	1,639	\$74,547	\$265,556	1.1	25%
NMHR	Total Allied Health	1.85	0.12	8.69	0.54	3,170	1,715	1.32	\$145,792	0.6	25%
NMHR	Psychologist	0.58	0.04	2.71	0.17	991	1,715	\$89,058	\$51,434	0.2	25%
NMHR	Social Worker	0.35	0.02	1.63	0.10	594	1,715	\$89,058	\$30,860	0.1	25%
NMHR	Occupational Therapist	0.35	0.02	1.63	0.10	594	1,715	\$89,058	\$30,860	0.1	25%
NMHR	Other TQ (eg pharmacis	0.58	0.04	2.71	0.17	991	1,715	\$56,511	\$32,637	0.2	25%
NMHR	VQ and Peer Workers	0.92	0.06	4.34	0.27	1,585	1,715		\$50,679	0.3	25%
NMHR	Consumer Peer Worker	0.92	0.06	4.34	0.27	1,585	1,715	\$54,844	\$50,679	0.3	25%
NMHR	Carer Peer Worker	0.00	0.00	0.00	0.00	-	- 6	\$54,844	\$0	-	25%
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	0-0	Jest	\$53,660	\$0		25%
NMHR	VQ Other	0.00	0.00	0.00	0.00			\$65,105		- 2	25%

Annual Cost Salaries \$1,935,935 * Including Overheads 25% \$2,419,918 Average Daily Available Bed Day C Average Cost per Patient per annu \$175,126



Beds	16
Availability	100%
Average Available Beds	16
ABD/Bed/Year	365
Occupancy	95%
OBD/Bed Year	346.8
ALOS (days)	365
Admissions/Bed/Year	0.95
Annual Readmit Rate	10%
Patients/Bed/Year	0.86

Calculato	r.	
Number	of standardised admissions per annum	
multiplie	d by target population	5245
Beds Req	uirred	552:
Cost		\$835,030,984
Staffing		
NMHR	Total Medical	183.4
NMHR	Psychiatrist	61
NMHR	Registrar	122.3
NMHR	Junior Medical Officer	0.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	-5927.8
NMHR	Registered Nurse	4698.6
NMHR	Nurse Practitioner	0.0
NMHR	Enrolled Nurse	1229.2
NMHR	Total Allied Health	637.7
NMHR	Psychologists	199.3
NMHR	Social Workers	119.6
NMHR	Occupational Therapists	119.6
NMHR	Other	199.3
NMHR	VQ and Peer Workers	318.9
NMHR	Consumer Peer Worker	318.9
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0

					Nu	rsing						Medical				Α	Allied Healt	h		Peer Wo	rkers	1	Voc Qual		AQM
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	Evening			8	- 1	8 8			24										~					-7	
	Night	-		8		8 8			24					J. 11 15-1								3		~ 1	
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minuer F / E	-	0.1	.1.2	3.0	0.,	3.0	1.0		17.2	0.2	0,4			0.5	0.0	0.0	4.5	0.0	1.0	0.0				9.0	

^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

** Average annual salary escalated to include overtime, on call and other penalty rate allowances

Variable inputs Variable Inputs

Comments:

Estimate drawn from QLD staffing profiles for new servcies 2012 & RMH, Victoria. Does not include GP time ALOS, Occup & Readm rates estimates only. Validation R Mckay



2.3.3.5 Service Element - Non-Acute - Specialised Services (Hospital/Nursing Home Based)

Attribute	Details
Status	May be gazetted
Services Delivered	Specialised extended treatment and rehabilitation services refer to those services which are established to provide a response to people who have severe mental illness and co-morbid illnesses which make treatment and rehabilitation in a standard unit impractical, unsafe and/or counter therapeutic. Specialised recovery oriented assessment and treatment is provided by staff with specialised training in the relevant area. Sub-specialities include acquired brain injury or neuro-psychiatry (ABI), intellectual disability (ID) and complicated drug and alcohol problems.
Key Distinguishing Features	These services are provided as partnerships with the relevant sector. For example ABI units may be collocated with generic ABI services or provided, as standalone units on hospital campuses. May be provided as state-wide or regionalised specialist service.
	Units are designed to meet the special needs of this group of people for longer-term accommodation, ongoing assessment, treatment and rehabilitation in a safe environment. People may remain in these units for lengthy periods but opportunities are sought where possible to achieve gains in capacity to live independently.
Service specification	ns and other useful descriptors to illustrate service elements.
Target Age:	Adults.
Diagnostic Profile	Examples: ABI – Acquired brain damage and associated mental illness and/or severe behavioural disturbance. ID – mental illness and concomitant intellectual disability associated with severe behaviour disturbance.
Average unit size	16 beds
Hours	24 hours / 7 days
Suggested Modellin	g Attributes
% Occupancy	95%
Average LOS	365 days
Annual	10%
readmission rate	
Indicative staffing FTE/Bed	1.5 FTE/ bed.
Sources	 10 Year Mental Health Strategy for Queensland, 1996. Multi-Site Benchmarking of Acquired Brain Injury Inpatient Mental Health Services, Queensland Mental Health Benchmarking Unit, QH, 2011.

EXHIBIT 233

DBK.500.002.0906 NMHSPF: Service Element and Activity Descriptions

Service Element – Non-Acute – Specialised Services – Staffing Profile

SCHEME	STAFF CATEGORY	FTE	FTE/Bed	Hours/ day	Hrs/ Bed avail avge	Hours annual	FTE scalar	Wghtd avge salry	Cost	Hours/day /person	Overheads %
NMHSPF	TOTAL	24.01	1.50	107.49	6.72	39,232	1,634	\$97,217	\$2,333,767	7.1	25%
NMHSPF	Vocationally Qualified	5.92	0.37	26.57	1.66	9,699	1,639	\$74,547	\$441,012	1.7	25%
NMSPF	Peer Worker	0.92	0.06	4.34	0.27	1,585	1,715	\$54,844	\$50,679	0.3	25%
NMHSPF	Tertiary Qualified	16.04	1.00	71.14	4.45	25,967	1,619	\$104,758	\$1,680,705	4.7	25%
NMHSPE	Medical	1.12	0.07	5.43	0.34	1,981	1,766	\$143,801	\$161,371	0.4	25%

NMHR	TOTAL	FTE	FTE/Bed	Hours/ day	Hours/ ABD	Hrs annual	FTE scalar	Salary **	Cost		O'heads %
NMHR	Total Medical	1.12	0.07	5.43	0.34	1,981	1,766	1000	\$161,371	0.4	259
NMHR	Psychiatrist	0.18	0.01	0.86	0.05	313	1,766	\$186,972	\$33,129	0.1	259
NMHR.	Registrar	0.47	0.03	2.29	0.14	834	1,766	\$120,630	\$56,997	0.2	259
NMHR	Junior Medical Officer	0.47	0.03	2.29	0.14	834	1,766	\$150,783	\$71,245	0.2	259
NMHR-	Other Medical Specialis	0.00	0.00	0.00	0.00	12		\$186,972	50		259
NMHR	Total Nursing	20.80	1.30	92.29	5.77	33,684	1,619		\$2,030,127	6.1	25%
NMHR	Registered Nurse	13.62	0.85	60.00	3.75	21,900	1,608	\$102,673	\$1,398,031	3.9	259
NMHR	Nurse Practitioner	1.27	0.08	5.71	0.36	2,086	1,639	\$150,196	\$191,084	0.4	25%
NMHR	Enrolled Nurse	5.92	0.37	26.57	1.66	9,699	1,639	\$74,547	\$441,012	1.7	259
NMHR	Total Allied Health	1.16	0.07	5.43	0.34	1,981	1,715	1200	\$91,590	0.4	25%
NMHR	Psychologist	0.12	0.01	0.54	0.03	198	1,715	\$89,058	\$10,287	0.0	259
NMHR	Social Worker	0.35	0.02	1.63	0.10	594	1,715	\$89,058	\$30,860	0.1	259
NMHR	Occupational Therapist	0.35	0.02	1.63	0.10	594	1,715	\$89,058	\$30,860	0.1	259
NMHR	Other TQ (eg pharmacis	0.35	0.02	1.63	0.10	594	1,715	\$56,511	\$19,582	0.1	25%
NMHR	VQ and Peer Workers	0.92	0.06	4.34	0.27	1,585	1,715		\$50,679	0.3	259
NMHR	Consumer Peer Worker	0.92	0.06	4.34	0.27	1,585	1,715	\$54,844	\$50,679	0.3	25%
NMHR	Carer Peer Worker	0.00	0.00	0.00	0.00	-	1.5	\$54,844	.50	~	259
NMHR	VQMH Worker	0.00	0.00	0.00	0.00	-		\$53,660	50	-	259
NMHR	VQ Other	0.00	0.00	0.00	0.00	1.4	1,2	\$65,105	\$0	-	259

Annual Cost Salaries	\$2,333,767	TRUE	sumcheck
* Including Overheads 25%	\$2,917,208		\$2.92 mill
Average Daily Available Bed Day C	\$500		
Average Cost per Datient per appu	C911 114		

Bed Based Service Para	meters
Beds	16
Availability	100%
Average Available Beds	16
ABD/Bed/Year	365
Occupancy	95%
OBD/Bed Year	346.8
ALOS (days)	365
Admissions/Bed/Year	0.95
Annual Readmit Rate	10%
Patients/Bed/Year	0.86

Calculato	r	
Number (of standardised admissions per annum	
multiplie	d by target population	5245
Beds Req	uirred	5521
Cost		\$1,006,628,810
Staffing		
NMHR	Total Medical	387.2
NMHB	Psychiatrist	61.1
NMHR	Registrar	163.0
NMHR	Junior Medical Officer	163.0
NMHR	Other Specialist	0.0
NMHR	Total Nursing	7178.9
NMHR	Registered Nurse	4698.6
NMHR	Nurse Practitioner	439.0
NMHR	Enrolled Nurse	2041.4
NMHR	Total Allied Health	398.6
NMHR	Psychologists	39.9
NMHR	Social Workers	119.6
NMHR	Occupational Therapists	119.6
NMHR -	Other	119.6
NMHR	VQ and Peer Workers	318.9
NMHR	Consumer Peer Worker	318.9
NMHR	Carer Peer Worker	0.0
NMHR	VQMH Worker	0.0
NMHR	VQ Other	0.0
Total		8283.6

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^{*}Overheads is an estimate of costs associated with other services include corporate overheads, security services, laundry, cleaning and catering and other non-labour costs including drugs, utilities and maintenace etc. It is expressed as a proportion of clinical services labour costs.

Variable inputs

Variable Inputs

Comments:

Estimate drawn from QLD staffing profiles

for new servcies 2012 (ABI).

ALOS, Occup & Readm rates estimates only.



^{**} Average annual salary escalated to include overtime, on call and other penalty rate allowances

2.4 SERVICE STREAM – MEDICATIONS

		Medication
Service Category	N06A	Antidepressants
Service Category	N05B	Anxiolytics
Service Category	N05C	Sedatives
Service Category	N06B	ADHD medications
Service Category	NO5A	Antipsychotics
Service Category	N03	Mood stabilisers
RAFT IN CO		ADHD medications Antipsychotics Mood stabilisers Mood stabilisers Mood stabilisers

2.4.1 Service Category – Antidepressants

Antidepressants are indicated for major depression, premenstrual dysphoric disorder (SSRIs), anxiety disorders and eating disorders.

Medications included in class:

- SSRIs (citalopram, escitalopram, fluoxetine, fluoxamine, paroxetine, sertraline)
- SNRIs (desvenlafaxine, duloxetine, reboxetine, venlafaxine)
- A CHAIN TCAs (amitriptyline, clomipramine, doxepin, dothiepin, imipramine, nortriptyline, trimipramine)
- MAOI/RIMAs (moclobemide, phenelzine, tranylcypromine)
- NaSSAs (mirtazapine, mianserin)
- Other (agomelatine)

2.4.2 Service Category - Anxiolytics

Anxiolytics are indicated for anxiety disorders.

Medications included in class:

- Benzodiazepines (alprazolam, bromazepam, clobazam, diazepam, lorazepam, oxazepam)
- Other (buspirone)

2.4.3 Service Category - Sedatives

Sedatives and hypnotics are indicated for use in anxiety disorders and acute behavioural disturbance (including in dementia). Depending on the dose, drugs classified as anxiolytics, sedatives or hypnotics (or sedative-hypnotics) have an anxiolytic affect (relief of anxiety) a sedative effect (promotes drowsiness) or a hypnotic effect (induces sleep). The distinction between drugs termed anxiolytic and sedative and hypnotic is often based on the dose and the intention of treatment.

Medications included in class:

- Benzodiazepines (flunitrazepam, midazolam, nitrazepam, temazepam, triazolam)
- Z drugs (zolpidem, zopiclone)
- Other (chloral hydrate, phenobarbitone)

2.4.4 Service Category – ADHD medications

ADHD drugs are classified as those drugs indicated for the treatment of attention deficit hyperactivity disorder (ADHD).

Medications included in class:

- Stimulants (dexamphetamine, methylphenidate)
- Other (atomoxetine)

2.4.5 Service Category – Antipsychotics

Antipsychotics are indicated for use in acute and chronic psychoses (e.g. schizophrenia) and bipolar disorder. Some antipsychotics have notable additional indications, including **quetiapine** (can also be used as adjunct in treatment-resistant major depression and generalised anxiety disorder); **chlorpromazine** and **trifluoperazine** (indicated for anxiety/agitation in non-psychotic disorders); and **risperidone** (indicated for behaviour disturbance in dementia, conduct and other disruptive behaviour disorders in people with sub-average intellectual functioning or mental retardation, and behavioural disorders in autism).

Medications included in class:

- Typical (chlorpromazine, flupenthixol, fluphenazine, haloperidol, pericyazine, thioridazine, trifluoperazine, zuclopenthixol)
- Atypical (amisulpride, aripiprazole, clozapine, olanzapine, paliperidone, quetiapine, risperidone, ziprasidone)

2.4.6 Service Category – Mood stabilisers

Mood stabilisers are indicated in bipolar disorder. Lithium is indicated for acute mania, schizoaffective disorder and chronic schizophrenia. Lithium is also clinically accepted as an adjunct treatment for treatment resistant depression (Therapeutic Guidelines Limited, 2013). Anticonvulsant mood stabilizers are clinically accepted for use as an adjunctive treatment with antipsychotics for treatment resistant schizophrenia, or in schizoaffective disorders (Therapeutic Guidelines Limited, 2013).

Medications included in class:

- Anticonvulsants (carbamazepine, lamotrigine, sodium valproate)
- Other (lithium)

References

- Australian Medicines Handbook. (2013). Australian Medicines Handbook. from Australian Medicines Handbook Pty Ltd http://www.amh.net.au
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2.5 SERVICE STREAM – NON MENTAL HEALTH CARE SERVICES

Only bed based non mental health services are included in the NMHSPF model. All other non mental health services are excluded.

Service Stream		Non-Mental Health care services
Service Category	BN	Bed-Based Non-Mental Health Care Services
Service Element	<u>BH</u>	Acute Medical/Surgical Bed (Hospital, non-MH)
Service Element	<u>BC</u>	Acute Paediatric Bed (Hospital, non-MH)
<u>Service Element</u>	<u>DA</u>	Non-Acute - Adult (<24 hour support) (Residential, non-MH)
PAFT IN CO		Acute Paediatric Bed (Hospital, non-MH) Non-Acute - Adult (<24 hour support) (Residential, non-MH)

Version AUS V1 October 2013 TRIM Ref: H12/35030 292

2.5.1 Service Category - Specialised Bed-Based Non Mental Health care Services

Bed based non mental health services are included in the NMHSPF model only for bed counting purposes because if these beds were not available then extra demands would be expected to be placed on the mental health beds. The bed costs are also excluded as these are non-mental health beds.

It is important to include the mental health services provided to the people in these beds, for example Consultation Liaison general (Hospital).- The mental health staff costs are included in the modelling but non-TIONORCITATIV mental health staff costs are not included and not counted.

2.5.1.1 Service Element - Acute - Medical/Surgical Bed (Hospital, non-MH)

For counting purposes only, attributes and details not modelled.

These beds are provided by the general hospital.

2.5.1.2 Service Element - Acute - Paediatric Bed (Hospital, non-MH)

For counting purposes only, attributes and details not modelled.

These beds are provided by the general hospital.

2.5.1.3 Service Element - Non-Acute - Adult (<24 hour support) (Residential) (non-MH)

For counting purposes only, attributes and details not modelled.

These services are provided in small group residential settings. In most cases public sector mental health staff provide clinical services and community support staff provide individual support and rehabilitation as part of an integrated model of service delivery. JRAFT IN CONFIDERY

Appendix 1 – Psychopharmacotherapeutic Drugs for the MHIC 1.0

Annex B

Annex B: Psychopharmacotherapeutic drugs for the MHIC 1.0

Generic Drug Name	ATC Code	Group
Alprazolam	N05BA12	Anxiolytics, sedatives and hypnotics
Amisulpride	N05AL05	Antipsychotics
Amitriptyline	N06AA09	Antidepressants
Aripiprazole	N05AX12	Antipsychotics
Atomoxetine	N06BA09	Stimulant medication
Benztropine	N04AC01	Other psychoactive medication
Biperiden	N04AA02	Other psychoactive medication
Bromazepam	N05BA08	Anxiolytics, sedatives and hypnotics
Bromocriptine	G02CB01	Antiparkinsonian medication
Buspirone	N05BE01	Anxiolytics, sedatives and hypnotics
Carbamazepine	N03AF01	Mood stabilisers and anticonvulsants
Chlorpromazine	N05AA01	Antipsychotics
Citalopram	N06AB04	Antidepressants
Clobazam	N05BA09	Anxiolytics, sedatives and hypnotics
Clomipramine	N06AA04	Antidepressants
Clonazepam	N03AE01	Anxiolytics, sedatives and hypnotics
Clonidine	N02CX02	Antihypertensive medication
Clozapine	N05AH02	Antipsychotics
Dexamphetamine	N06BA02	Stimulant medication
Diazepam	N05BA01	Anxiolytics, sedatives and hypnotics
Diphenhydramine	D04AA32	Antiparkinsonian medication
Diphenhydramine	R06AA02	Other psychoactive medication
Donepezil	N06DA02	Other psychoactive medication
Dothiepin	N06AA16	Antidepressants
Doxepin	N06AA12	Antidepressants
Doxylamine	R06AA09	Anxiolytics, sedatives and hypnotics
Duloxetine	N06AX21	Antidepressants
Escitalopram	N06AB10	Antidepressants
luoxetine	N06AB03	Antidepressants
Flupenthixol	N05AF01	Antipsychotics
luphenazine	N05AB02	Antipsychotics
luvoxamine	N06AB08	Antidepressants
Salantamine	N06DA04	Other psychoactive medication
Haloperidol	N05AD01	Antipsychotics
mipramine	N06AA02	Antidepressants

