



Appendix 1

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Appendix to: Hetrick SE, Bailey AP, Smith KE, et al. Integrated (one-stop shop) youth health care: best available evidence and future directions. *Med J Aust* 2017; 207 (10 Suppl). doi: 10.5694/mja17.00694.

Appendix 1. Outcomes 1: Nature of Evaluation

Service	Study	Design	Evaluation Focus	LoE	Centres Evaluated	Evaluation Period		Sample Size N (n)	Age (years)	Sex (% F)	Sample Characteristics
						Start	End				
Jigsaw	(48, 49)	Quantitative, single cohort (pre-post)	Description of services provided, service users, and clinical outcomes.	IV	10 nationally	Jan 2013	Dec 2013	2,420	most 15-17	56.5	70% studying; 10% employed; 16% unemployed; 55% living with family; 3% homeless; 28% divorced parents
	(47)	Quantitative, cross-sectional descriptive	Description of services provided, and service users.	IV	Galway & Ballymun	Dec 2009	Sept 2010	1,080	most 15-18	50	NR
	(50)	Quantitative, cross-sectional descriptive	LCA of presenting problems for recipients of brief interventions.	IV	10 nationally	Jan 2013	Dec 2013	2,571 (1,247)	most 15-17	60	NR
Irish Youth One Stop Shops	(51)	Quantitative, cross-sectional descriptive	Surveys with service users.	IV	FASA, FUEL, REACT Ltd. & Carrickfergus	Oct 2009	Mar 2011	163	72% = 11-17	55	NR
		Qualitative, focus groups	Focus groups with service users.					38			
The Well Centre	(52)	Quantitative, single cohort (pre-post)	Audit of service users over 3 years with focus on new service users.	IV		Oct 2011	Dec 2014	934 (new service users = 368)	65% = 14-17	69	29% white; 27% black; 1% mixed ethnicity; 4% Asian; 4% other; 66% not living with both parents; 12% not living with birth or adoptive parent(s). (In an area where 55% rate themselves as white).
Youthsphere	(53, 55)	Quantitative, non-concurrent comparative	Access and outcomes; Pilot Evaluation (Part 1) Youthsphere vs. standard CMHTs.	III-3		Jul 2011	Nov 2011	Youthsphere = 207 CMHTs = 113	mean = 22	62	NR
	(54)	Quantitative, single cohort (pre-post)	Pilot Evaluation (Part 2), 12-month follow-up with service users of clinical and functional outcomes.	IV		Jul-Nov 2011	Jul-Nov 2012	145 (25 completed 12-month follow-up)	NR	NR	NR
The Junction	(56)	Quantitative, cross-sectional descriptive	Description of service users and postal survey of referring agencies.	IV		Apr 2011	Sept 2011	Service users = 11	NR	NR	NR
		Qualitative, interviews	Focus group with young people, and interviews with staff.					Focus group = 7 Staff = 5			

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NZ Youth One Stop Shops (YOSS)	(59)	Quantitative, cross-sectional descriptive	Survey with service users and stakeholders.	IV	12 nationally	May 2009	Jul 2009	Service user survey = 252	most 15-24 (>50% = 15-19)	~ 75-80	30% Māori; 64% NZ European; 3% Samoan; 3% other. (Proportions differed by location)
		Qualitative, focus groups	Focus group with service users.					63			
	(58)	Quantitative, single cohort (pre-post)	Description and evaluation of service users.	IV	Kapiti YOSS)	Jul 2012	Dec 2012	333	11-14 (6%); 15-17 (27%); 18-20 (36%); 20-25 (31%)	72	69% NZ European/ Pākeha; 23% Māori; 8% other ethnic groups.
		Qualitative, interviews	Semi-structured interviews with service users, their significant others, and staff.					59			
	(57)	Quantitative, cross-sectional descriptive	Findings and references to Christchurch YOSS and Rotorua's YOSS.	IV	9 of 14 YOSS nationally	Jul 2009	Jul 2009	9	NR	NR	NR
	(60)	unknown; unable to locate study. Cited in Bagshaw 2006	Survey of service users.	Not avail.	Christchurch YOSS	Not avail.	Not avail.	Not avail.	Not avail.	Not avail.	Not avail.
	(cited in 57)	unknown; unable to locate study. Personal communication cited in Bagshaw 2006	Attendance data.	Not avail.	Rotorua YOSS	Not avail.	Not avail.	Not avail.	Not avail.	Not avail.	Not avail.
Your Choice	(61)	Quantitative, single cohort (pre-post)	Evaluation of intervention outcomes and consumer feedback survey.	IV		Oct 2008	Dec 2010	976 (581 completers)	10-19 (91%)	53.5	31% Māori; 50% NZ European. Access was higher for Maori (31% vs. 16%) and for those from lower SES areas (21% vs. 16%), when comparing against youth demographic for the region.
CHAT (Community Health Assessment Team)	(62)	Quantitative, cross-sectional descriptive	Description of service users.	IV		May 2009	Mar 2013	601 (395)	16-22 (75%)	54.7	NR

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SPOT (Supporting Positive Opportunities with Teens)	(63)	Quantitative, cross-sectional descriptive	Description of service users with focus on those receiving mental healthcare (MH)	IV		Sept 2008	Mar 2010	1,729 (MH = 167)	mean = 18.4	46	61.7% African American; 32.3% Caucasian; 58% unemployed; 22% uninsured; 17% HIV positive; 29% substance dependence.
The Adolescent Health Service	(64)	Quantitative, cross-sectional descriptive	Description of service users during first years of operation.	IV	NR	NR	NR	547 (female only)	NR	100	NR
Rural Clinic for Young People	(65)	Quantitative, cross-sectional descriptive	Description of service and service users.	IV		Apr 2010	Nov 2011	80	NR	NR	NR
(YStop) Youth Stop	(66)	Quantitative, cross-sectional descriptive	Description of service and audit of service users during the first 2 months of operation.	IV		NR	NR	20 (referrals)	14-21 (mean = 16.95)	50	NR
KYDS Youth Development Service	(67)	Quantitative, cross-sectional descriptive	Description of service and service users.	IV		Jul 2011	Jul 2012	> 200	NR	NR	NR
headspace, National Youth Mental Health Foundation	(71)	Quantitative, non-concurrent comparative	Independent evaluation of headspace. Outcomes of headspace vs. other treatment vs. no treatment groups.	III-3	67 nationally	Jul 2013	Jul 2014	45,195	12-17 (50%); 18-25 (50%)	63	7.4% Aboriginal or Torres Strait Islander; 20% LGBTI; 20% disengaged from work/study; 20.2% not studying or working; 11.7% homeless; 7.2% born overseas; 39% regional areas; 29.3% inner regional; 9.7% outer regional; 2.1% remote; 0.1% very remote.
		Quantitative, single cohort (pre-post)	Independent evaluation of headspace. Descriptions and outcomes of the headspace cohort.	IV							
	(75, 91)	Quantitative, cross-sectional descriptive	Independent evaluation of headspace. Survey with stakeholders and service users. Administration data from service users (MHAGIC)	IV	10 nationally	2008	2009	70 (service users survey); 2,679 = MHAGIC	12-27 (44%); 18-25 (56%)	53	9.2% Aboriginal and Torres Strait Islander; 9.5% born overseas; 77% living with family ^d . Referral sectors: 46% health; 5% education; 11.3% community service/criminal justice; 25% self-referrals.
		Qualitative, interviews	Independent evaluation of headspace. Interviews with stakeholders including service users.					71 Service users interviews			
	(76)	Qualitative, interviews	Independent evaluation of headspace. Interviews with service users and comparison with WHO framework for	?	10 nationally, from the first 30 headspace	2008	2009	168	12-17 (40%); 18-25 (60%)	60	11% Aboriginal and Torres Strait Islander; 8% born overseas; 8% LOTE; 64% living with family; 36% living

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headspace			youth-friendly services.		centres						elsewhere; 67% regional/remote areas; 33% urban areas.
	(84)	Quantitative, single cohort (pre-post)	Clinical outcomes of service users before and after visiting headspace.	IV	55 nationally	Apr 2013	Mar 2014	24,034	mean = 17.8	63	NR
	(85)	Quantitative, single cohort (pre-post)	Census of 55 operational headspace centres using the MDS.	IV	55 nationally	Apr 2013	Mar 2014	33,038	most = 15-17	62	NR
	(81, 90)	Quantitative, single cohort (pre-post)	Development of a service satisfaction scale, evaluation of service user satisfaction (session 2 onwards).	IV	55 nationally	Apr 2013	Mar 2014	21,354 (12,436 completed survey; 11,940 rated services received).	most = 15-17	63	15% LGBTI; 8% CALD; 2% homeless.
	(86)	Quantitative, cross-sectional descriptive	Characteristics of service users.	IV	55 nationally	Jan 2013	Jun 2013	21,274	most = 15-17	64	7.7% Aboriginal or Torres Strait Islander; 7% born overseas; 94% speak English at home; 29% NEET; 57% in major cities; 31% inner regional; 10% outer regional; 2% remote/very remote.
	(79)	Quantitative, cross-sectional descriptive	Transitions: description of the development/progression of mental disorders in service users	IV	4 across Melbourne & Sydney	Jan 2011	Aug 2012	802	mean = 18.3	66	NR
	(68, 69)	Quantitative, single cohort (pre-post)	Description of service users, stage of illness, services received, attendance, and outcomes.	IV	headspace Campbelltown	2013	2013	890	mean = 17.4	60	NR
	(87)	Quantitative, cross-sectional descriptive	Description of service users.	IV	headspace Campbelltown & Central Sydney	Oct 2007	Dec 2009	1,260	mean = 18.1	47	NR
	(88)	Quantitative, cross-sectional descriptive	Description of service users.	IV	2 in Sydney	Oct 2007	Dec 2011	494	mean = 19.8	48	NR
	(70)	Quantitative, cross-sectional	Description of service users.	IV	headspace Campbelltown	2007	NR	330	mean = 16.8	50	63% full-time work/study; 24% not studying/ working; 13% part-time work/

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headspace		descriptive									study; 24% received financial benefits.
	(77)	Quantitative, cross-sectional descriptive	'Transitions Study'. Focus on NEET young people.	IV	4 across Melbourne & Sydney	Jan 2011	Aug 2012	696	mean = 19	68	19% NEET compared to 11% of general youth population (within last month).
	(78)	Quantitative, prospective single cohort (pre-post)	Uses subsample from (77); those who completed 12-month follow-up assessments, with additional focus on depression course. No intervention/service outcomes.	IV	4 across Melbourne & Sydney	Jan 2011	Aug 2012	448	mean = 20	70	33% economic hardship; 42% government financial assistance; 18% NEET at baseline
	(72)	Quantitative, cross-sectional descriptive	Description of service users over 5.5 years of operation.	IV	headspace Gosford	Apr 2008	Sept 2013	7,110	12-17 (64%)	56	10% Aboriginal or Torres Strait Islander; 85% Australian; 33.3% government financial support; 32% NEET (18-25yr olds).
	(73)	Qualitative, interviews	Interviews with service users exploring access and service experiences.		Northwest Melbourne	NR	NR	26	18	62	73% unemployed.
	(83)	Qualitative, thematic analysis	Thematic analysis of quarterly progress reports of the first 30 headspace centres. Common characteristics identified.		30 nationally	Jul 2010	Jun 2011	NR	NR	NR	NR
	(74)	Qualitative, interviews	Interviews exploring service user experiences		Sydney, Geelong, Adelaide, Darwin	NR	NR	15	17-24	NR	NR
	(89)	Quantitative, single cohort (pre-post)	Description of service user expectations at entry to service and 2 months post entry.	IV	headspace Canberra	NR	NR	228 (102 completed 2-mth follow-up)	mean = 17.24	69	NR
	(80)	Qualitative, focus groups and interviews	Interviews and focus groups with various stakeholders (including service users) about current 'best practice' occurring in headspace services.		10 nationally	Mar 2013	Jun 2013	58 (10 focus groups, 5-10 service users per group)	NR	NR	NR
		Quantitative, cross-sectional descriptive	Case study of headspace centre. Service user description and services provided.	IV	headspace Bendigo	Jan 2013	Jun 2013	244	12-17 (60%); 18-25 (40%)	70	6.5% Aboriginal & Torres Strait Islander; 23.5% LGBTIQ; 3.1% homeless (or at-risk of); 98% Australian born; 4% LOTE.

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		Quantitative, cross-sectional descriptive	Case study of headspace centre. Service user description and services provided.	IV	headspace Darwin	Jan 2013	Jun 2013	269	12-17 (54%); 18-28 (46%)	62	18.1% Aboriginal & Torres Strait Islander; 9.8% LGBTIQ; 1.8% homeless (or at-risk of); 89% Australian born; 9% LOTE.
		Quantitative, cross-sectional descriptive	Case study of headspace centre. Service user description and services provided.	IV	headspace Edinburgh North	Jan 2013	Jun 2013	523	12-17 (57%); 18-25 (43%)	60	9.6% Aboriginal & Torres Strait Islander; 16.4% LGBTIQ; 1.7% Homeless (or at-risk of); 96% Australian born; 4% LOTE.
		Quantitative, cross-sectional descriptive	Case study of headspace centre. Service user description and services provided.	IV	headspace Frankston	Jan 2013	Jun 2013	485	12-17 (46%); 18-25 (54%)	64	3.3% Aboriginal & Torres Strait Islander; 18.6% LGBTIQ; 2.7% Homeless (or at-risk of); 93% Australian born; 4.6% LOTE.
		Quantitative, cross-sectional descriptive	Case study of headspace centre. Service user description and services provided.	IV	headspace Gosford	Jan 2013	Jun 2013	836	12-17 (46%); 18-25 (54%)	64	Aboriginal & Torres Strait Islander 10.9%; LGBTIQ 13%; Homeless (or at-risk of) 5.3%; Australian Born 96%; LOTE 2%
		Quantitative, cross-sectional descriptive	Case study of headspace centre. Service user description and services provided.	IV	headspace Hobart	Jan 2013	Jun 2013	650	12-17 (35%); 18-25 (65%)	69	8.8% Aboriginal & Torres Strait Islander; 15.4% LGBTIQ; 4.4% Homeless (or at-risk of); 95% Australian born; 4% LOTE.
		Quantitative, cross-sectional descriptive	Case study of headspace centre. Service user description and services provided.	IV	headspace Kimberly	Jan 2013	Jun 2013	75	12-17 (21%); 18-25 (79%)	69	18.8% Aboriginal & Torres Strait Islander; 12.5% LGBTIQ; 5.6% Homeless (or at-risk of); 94% Australian born; 12.5% LOTE.
		Quantitative, cross-sectional descriptive	Case study of headspace centre. Service user description and services provided.	IV	headspace Parramatta	Jan 2013	Jun 2013	371	12-17 (44%); 18-25 (56%)	63	2.9% Aboriginal & Torres Strait Islander; 14.9% LGBTIQ; 1.1% Homeless (or at-risk of); 87.5% Australian born; 30% LOTE
		Quantitative, cross-sectional descriptive	Case study of headspace centre. Service user description and services provided.	IV	headspace Southport	Jan 2013	Jun 2013	882	12-17 (50%); 18-25 (50%)	61	4.3% Aboriginal & Torres Strait Islander; 13% LGBTIQ; 1.9% Homeless (or at-risk of); 86% Australian born; 4% LOTE.
		Quantitative, cross-sectional descriptive	Case study of headspace centre. Service user description and services provided.	IV	headspace Warwick	Jan 2013	Jun 2013	361	12-17 (52%); 18-25 (48%)	58	13.7% Aboriginal & Torres Strait Islander; 11.2% LGBTIQ; 1.7% Homeless (or at-risk of); 96% Australian born; 2% LOTE.

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	(82)	Qualitative, focus groups and interviews	Interviews and focus groups with service users, family members, and service providers relevant to marginalised population groups.	IV	National	Nov 2013	Aug 2014	149	NR	64	13.5% LGBTIQ (5.5% did not disclose); 8.4% Aboriginal & Torres Strait Islander; 7.1% CALD; 6.9% AOD problems; 2.8% homeless/at risk of homeless.
		Quantitative, cross-sectional descriptive	Information on service users (focus on those from marginalised population groups) from the MDS.			Apr 2013	Mar 2014	33,038 (28,683 with available data)			
Foundry	(unpublished data)	Quantitative, cross-sectional descriptive	Description of service users and their satisfaction with their experience of care.	IV	Granville Youth Health Centre	Aug 2015	Apr-June 2017	Satisfaction survey = 716; Began user survey = 842	12-18 (17%); 19-24 (79%); 25-30 (4%)	53	47.7% Caucasian; 17.1% first nations; 5.2% Chinese; 4% Latin American; 4.7% Black; 21.3% other; 30% homeless.
Maisons des Adolescents	(92)	Quantitative, cross-sectional descriptive	Description of staffing and other service components (including qualitative), and stakeholder consultations.	IV	National	NR	NR	NR	mean = 15.5	45-58	NR
ACCESS Open Minds*	(93)	Mixed method, cohort	Wait times for initial evaluation and initiation of appropriate care (with retrospective data from 2013), levels of satisfaction with services, and clinical, functional and subjective outcomes of service users.	IV	14 nationally	Sept 2016	Sept 2020	10,000 (projected)	11-25*	NR	NR
Integrated Collaborative Care Team (ICCT)*	(46)	RCT	Test efficacy of model on functioning, clinical improvement, satisfaction, engagement, empowerment, and cost-effectiveness over 12 months.	II	3 centres compared with TAU at 4 hospital-based services	NR	NR	500 (250 TAU vs. 250 intervention)	14-18	NR	NR

LoE = Level of Evidence

LCA = Latent Class Analysis

CMHT = Community Mental Health Teams

HIEC = Health Innovation and Education Cluster

MHAGIC = Mental Health Assessment Generation and Information Collection

WHO = World Health Organisation

MDS = headspace Minimum Dataset

NEET = Not in Education, Employment or Training

RCT = Randomised controlled trial

NR = not reported

* = Ongoing or planned service evaluation