

## Supplementary Materials

**Table S1.** Summary of Health Assessment prompts, responses and the outcome analysed.

Explanatory Variable	Health Assessment Prompt	Health Assessment Responses	Outcome Analysed
Sex	Sex auto-populates from client's medical record	Male, Female, Missing	Male, Female
Age	Age is automatically calculated by subtracting the date of birth from the date of the visit when the Health Assessment is completed	Age	15–24 years, 25–34 years, 35–44 years, 55 years and above
Ethnicity	Ethnicity	Aboriginal, Aboriginal & Torres Strait Islander, Torres Strait Islander, Other, Missing	Aboriginal, Aboriginal & Torres Strait Islander, Torres Strait Islander
Education	Level completed	Year 10 or less, Year 11–12, TAFE, University, Not stated, missing	Year 10 or less (year 10 or less), Year 11 or more (year 11–12, TAFE, university)
Smoking	Never smoked Ex-smoker Current smoker	Yes, No, Missing Yes, No, Missing Yes, No, Missing	Current smoker, Non-smoker, Missing
Alcohol	How often do you have a drink containing alcohol? When you have a drink, how many do you usually have in one day? How often do you have six or more drinks in one day?	AUDIT-C [1] score calculated from health assessment prompts, Missing	Yes (if AUDIT-C $\geq 3$ for women AUDIT-C $\geq 4$ for men), No (if AUDIT-C $< 3$ for women AUDIT-C $< 4$ for men), Missing
Substance use	Other drugs Opiates (heroin, methadone, codeine, endone, MS contin) Cannabis/Yarndi Amphetamines (speed, base, crystal meth, ice, ecstasy, MDMA)	Yes, No, Missing Yes, No, Missing Yes, No, Missing Yes, No, Missing	Not analysed independently Yes, No (if opiates = 'no' and other drugs = 'no'), Missing Yes, No (if cannabis/yarndi = 'no' and other drugs = 'no'), Missing Yes, No (if amphetamines = 'no' and other drugs = 'no'), Missing
Exercise	How many days per week do you do 30 minutes of huffing and puffing physical activity?	0–7	0 days per week, $\geq 1$ days per week, Missing
Participation in a regular sport	Do you play any regular sport?	Yes, No, Missing	Yes, No, Missing
Incarceration	Incarceration history	Yes, No, Missing	Yes, No, Missing
Carer status	Number of children Are you a single parent? Are you cared for by someone else	Number of children, Missing Yes, No, Missing Yes, No, Missing	0 children, $\geq 1$ child, Missing Yes, No, Missing Yes, No, Missing
Employment	Unemployed	Yes, No, Missing	

	Employed full-time	Yes, No, Missing	Full-time employed (if employed full-time = 'yes')
	employed part-time	Yes, No, Missing	
	Casual	Yes, No, Missing	Part-time employed (if employed part-time = 'yes' and employed full-time ≠ 'yes')
	Contract work	Yes, No, Missing	Casual/contract only (if employed casual = 'yes' or employed contract = 'yes' and employed full-time or part-time ≠ 'yes' and studying full-time or part-time ≠ 'yes')
	Voluntary work	Yes, No, Missing	
	Full-time study	Yes, No, Missing	
	Part-time study	Yes, No, Missing	
	Home duties	Yes, No, Missing	
	Disability pension	Yes, No, Missing	Other (if employed full-time or part-time ≠ 'yes' and employed casual or contract ≠ 'yes' and at least one of the remaining variables was indicated with 'yes')
	Other pension	Yes, No, Missing	
Homelessness	Homelessness	Yes, No, Missing	Yes, No, Missing
	Have you experienced any of the following in the last 12 months?		
	Serious accident?	Yes, No, Missing	Yes, No (if serious accident = 'no' or serious accident = 'missing' and no reported stressors = 'yes'), Missing
	Death of a family member or close friend?	Yes, No, Missing	Yes, No (if death of a family member or close friend = 'no' or death of a family member or close friend = 'missing' and no reported stressors = 'yes'), Missing
	Divorce or separation?	Yes, No, Missing	Yes, No (if divorce or separation = 'no' or divorce or separation = 'yes'), Missing
	Not able to get a job?	Yes, No, Missing	Yes, No (if not able to get a job = 'no' or not able to get a job = 'no' and no reported stressors = 'yes'), Missing
Adapted Negative Life Event Scale (NLES)[2]	Witness to violence?	Yes, No, Missing	Yes, No (if witness to violence = 'no' or witness to violence = 'no' and no reported stressors = 'yes'), Missing
	Trouble with the police?	Yes, No, Missing	Yes, No (if trouble with the police = 'no' or trouble with the police = 'no' and no reported stressors = 'yes'), Missing
	Gambling problems?	Yes, No, Missing	Yes, No (if gambling problems = 'no' or gambling problems = 'no' and no reported stressors = 'yes'), Missing
	Member of family sent to jail / currently in jail?	Yes, No, Missing	Yes, No (if member of family sent to jail / currently in jail = 'no' or member of family sent to jail / currently in jail = 'no' and no reported stressors = 'yes'), Missing
	Overcrowding at home?	Yes, No, Missing	Yes, No (if overcrowding = 'no' or overcrowding = 'no' and no reported stressors = 'yes'), Missing
	Racism or discrimination	Yes, No, Missing	Yes, No (if racism or discrimination = 'no' or racism or discrimination = 'no' and no reported stressors = 'yes'), Missing
	No reported stressors?	Yes, No, Missing	Not analysed independently
Community involvement	Have you participated in a community or cultural activity within the last 12 months	Yes, No, Missing	Yes, No, Missing

**Table S2.** Distribution of patient demographics and potential factors at their first Health Assessment within the study period, overall and partitioned by thoughts of self-harm or suicide.

	Overall		Thoughts of Self-Harm or Suicide < 2weeks			
			No		Yes	
	<i>n</i>	(%)	<i>n</i>	(%)	<i>n</i>	(%)
<i>Sex</i>						
Female	937	(50.6)	722	(83.4)	114	(13.6)
Male	914	(49.4)	749	(90.7)	77	(9.3)
<i>Age group (years)</i>						
15–24	521	(28.1)	416	(84.6)	76	(15.4)
25–34	335	(18.1)	287	(91.1)	28	(8.9)
35–44	320	(17.3)	267	(89.9)	30	(10.1)
45–54	344	(18.6)	288	(87.0)	43	(13.0)
≥55	333	(18.0)	215	(93.9)	14	(6.1)
<i>Ethnic identification</i>						
Aboriginal	1691	(91.3)	1343	(88.5)	175	(11.5)
Torres Strait Islander	60	(3.2)	45	(91.8)	4	(8.2)
Both <sup>a</sup>	102	(5.5)	85	(87.6)	12	(12.4)
<i>Education level</i>						
Year 10 of less	807	(50.4)	636	(90.3)	68	(9.7)
Year 11 or more	794	(49.6)	657	(88.1)	89	(11.9)
<i>Employment</i>						
Full-time employed	415	(22.7)	354	(93.9)	23	(6.1)
Part-time employed	125	(6.8)	101	(87.8)	14	(12.2)
Causal/contract only	62	(3.4)	52	(91.2)	5	(8.8)
Other <sup>b</sup>	1228	(67.1)	950	(86.4)	149	(13.6)
<i>Homelessness</i>						
No	1487	(95.8)	1213	(90.1)	133	(9.9)
Yes	65	(4.2)	36	(58.1)	26	(41.9)
<i>History of incarceration</i>						
No	1474	(84.5)	1194	(89.7)	137	(10.3)
Yes	270	(15.5)	210	(83.7)	41	(16.3)
<i>Serious accident &lt;12 months</i>						
No	1534	(95.5)	1245	(89.2)	150	(10.8)
Yes	72	(4.5)	63	(91.3)	6	(8.7)
<i>Death of family/close friend &lt;12 months</i>						
No	966	(59.5)	795	(90.3)	85	(9.7)
Yes	657	(40.5)	524	(87.0)	78	(13.0)
<i>Discrimination/racism &lt;12 months</i>						
No	1350	(85.5)	1108	(90.7)	114	(9.3)
Yes	229	(14.5)	179	(82.5)	38	(17.5)
<i>Divorce/separation &lt;12 months</i>						
No	1412	(87.7)	1149	(89.8)	131	(10.2)
Yes	198	(12.3)	159	(85.5)	27	(14.5)
<i>Gambling problems &lt;12 months</i>						
No	1560	(97.9)	1272	(89.7)	146	(10.3)
Yes	33	(2.1)	23	(71.9)	9	(28.1)
<i>Family member sent to/in jail &lt;12 months</i>						
No	1201	(74.9)	970	(90.0)	108	(10.0)
Yes	402	(25.1)	335	(87.2)	49	(12.8)
<i>Difficulty getting a job &lt;12 months</i>						
No	987	(61.0)	821	(92.6)	66	(7.4)
Yes	631	(39.0)	498	(84.8)	89	(15.2)
<i>In trouble with police &lt;12 months</i>						
No	1145	(82.4)	975	(89.9)	109	(10.1)
Yes	245	(17.6)	196	(82.7)	41	(17.3)

<i>Overcrowding at home &lt;12 months</i>						
No	1477	(92.0)	1203	(89.9)	135	(10.1)
Yes	128	(8.0)	104	(84.6)	19	(15.4)
<i>Witness to violence &lt;12 months</i>						
No	1341	(83.2)	1104	(90.9)	111	(9.1)
Yes	271	(16.8)	207	(81.2)	48	(18.8)
<i>Hazardous alcohol use</i>						
No	963	(55.2)	793	(87.7)	111	(12.3)
Yes	782	(44.8)	656	(89.1)	80	(10.9)
<i>Smoking</i>						
Non-smoker <sup>c</sup>	802	(45.5)	659	(93.3)	47	(6.7)
Current smoker	962	(54.5)	743	(84.6)	135	(15.4)
<i>Amphetamine use</i>						
No	1650	(92.5)	1334	(90.2)	145	(9.8)
Yes	133	(7.5)	94	(74.0)	33	(26.0)
<i>Cannabis use</i>						
No	1399	(76.2)	1128	(91.1)	110	(8.9)
Yes	437	(23.8)	340	(81.3)	78	(18.7)
<i>Opiate use</i>						
No	1689	(95.7)	1354	(89.4)	161	(10.6)
Yes	75	(4.3)	58	(80.6)	14	(19.4)
<i>Cared for by someone else</i>						
No	931	(84.4)	734	(87.6)	104	(12.4)
Yes	172	(15.6)	118	(84.9)	21	(15.1)
<i>Children</i>						
No	340	(31.5)	269	(82.8)	56	(17.2)
Yes	738	(68.5)	625	(89.5)	73	(10.5)
<i>Single parent</i>						
No	953	(77.7)	783	(86.8)	119	(13.2)
Yes	273	(22.3)	225	(87.2)	33	(12.8)
<i>Community activity participation &lt;12 months</i>						
No	888	(57.0)	710	(86.7)	109	(13.3)
Yes	670	(43.0)	554	(92.2)	47	(7.8)
<i>Exercise</i>						
No	738	(41.0)	550	(85.7)	92	(14.3)
Yes	1060	(59.0)	877	(90.0)	97	(10.0)
<i>Participation in sport</i>						
No	1507	(83.9)	1183	(87.6)	168	(12.4)
Yes	290	(16.4)	249	(92.6)	20	(7.4)

Note: <sup>a</sup>Both represents Aboriginal and Torres Strait Islander; <sup>b</sup>Other includes unemployed, pension, studying, pair carer; <sup>c</sup>includes ex-smokers.

1. Islam, M.M.; Oni, H.T.; Lee, K.S.K.; Hayman, N.; Wilson, S.; Harrison, K., Hummerston, B.; Ivers, R.; Conigrave, K.M. Standardised alcohol screening in primary health care services targeting Aboriginal and Torres Strait Islander peoples in Australia. *Addict Sci Clin Pract* **2018**, *13*, 5.
2. Kowal, E.; Gunthorpe, W.; Bailie, R.S. Measuring emotional and social wellbeing in Aboriginal and Torres Strait Islander populations: an analysis of a Negative Life Events Scale. *Int J Equity Health* **2007**, *6*, 18.