

APPENDIX

Table A1. Profile of Communities that Care participating Local Government Areas (LGA), 2015¹.

Participating LGA	Population ²	Area (km ²)	Remoteness
Alpine	11858	4,787	Outer Regional Australia
Ballarat	101578	739	Inner Regional Australia
Baw Baw	46638	4,031	Inner Regional Australia
Cardinia	90884	1,282	Inner Regional Australia
Colac-Otway	20255	3,439	Inner Regional Australia
East Gippsland	43995	20,937	Outer Regional Australia
Glenelg	19158	6,218	Outer Regional Australia
Greater Bendigo	108437	2,999	Inner Regional Australia
Greater Geelong	229420	1,248	Inner Regional Australia
Hobsons Bay	92761	64	Major Cities of Australia
Knox	155681	114	Major Cities of Australia
Mornington Peninsula	155015	724	Major Cities of Australia
Stonnington	107941	26	Major Cities of Australia
Warrnambool	33644	121	Inner Regional Australia
Yarra	89151	20	Major Cities of Australia
<i>Victoria</i>	5937481	237,629	

¹ Victoria State Government. 2015 Local Government Area (LGA) Statistical Profiles. *Geographical profiles and planning products* 2015; <https://www2.health.vic.gov.au/about/reporting-planning-data/gis-and-planning-products/geographical-profiles>. Accessed 18 September 2019.

² Australian Bureau of Statistics. *Population Estimates by Age and Sex, Local Government Areas (ASGS 2015)*. 2016.

Table A2 Univariate and full multivariate results of unintentional injuries* for interaction between CTC phase and age group. Results are presented as incidence rate ratios, RR (the effect size of the interaction terms are exponentiated).

	Univariate modelling		Full model	
	RR	[95% CI]	RR	[95% CI]
Year (ref=2001)				
2002	1.00	[0.97, 1.03]	1.01	[0.98, 1.03]
2003	0.97	[0.94, 1.00]	0.99	[0.97, 1.01]
2004	0.96	[0.94, 0.99]	0.98	[0.96, 1.00]
2005	1.02	[0.99, 1.05]	1.03	[1.01, 1.06]
2006	1.02	[0.99, 1.05]	1.01	[0.99, 1.04]
2007	1.02	[0.99, 1.05]	1.02	[1.00, 1.05]
2008	1.01	[0.98, 1.04]	1.01	[0.98, 1.03]
2009	0.99	[0.96, 1.02]	0.97	[0.95, 1.00]
2010	1.00	[0.97, 1.03]	0.99	[0.97, 1.02]
2011	1.08	[1.05, 1.11]	1.08	[1.05, 1.11]
2012	0.95	[0.92, 0.98]	0.95	[0.92, 0.97]
2013	0.80	[0.78, 0.83]	0.81	[0.79, 0.83]
2014	0.88	[0.85, 0.90]	0.88	[0.85, 0.90]
2015	0.92	[0.90, 0.95]	0.91	[0.89, 0.94]
2016	0.96	[0.93, 0.99]	0.95	[0.93, 0.98]
2017	1.01	[0.98, 1.04]	1.00	[0.97, 1.03]
Age group (ref=20-24yrs)				
0-4yrs	0.70	[0.69, 0.72]	1.08	[1.05, 1.10]
10-14yrs	0.76	[0.74, 0.78]	0.89	[0.88, 0.91]
15-19yrs	1.17	[1.14, 1.19]	1.08	[1.06, 1.10]
5-9yrs	0.68	[0.67, 0.70]	1.01	[0.99, 1.03]
Sex (ref=male)				
female	0.53	[0.52, 0.53]	0.52	[0.51, 0.52]
SEIFA decile (ref=5)				
1	0.94	[0.90, 0.98]	0.95	[0.92, 0.98]
2	1.02	[0.98, 1.07]	0.98	[0.95, 1.01]
3	1.11	[1.06, 1.16]	1.08	[1.04, 1.12]
4	0.90	[0.85, 0.95]	0.88	[0.84, 0.93]
6	1.02	[0.97, 1.07]	1.03	[0.99, 1.06]
7	0.91	[0.87, 0.95]	0.95	[0.92, 0.98]
8	0.93	[0.89, 0.97]	0.99	[0.96, 1.02]
9	0.91	[0.87, 0.95]	0.95	[0.92, 0.98]
10	0.88	[0.84, 0.91]	0.93	[0.90, 0.96]
Regionality (ref= major cities)				
Inner Regional				
Australia	1.17	[1.14, 1.20]	1.16	[1.14, 1.19]
Outer Regional				
Australia	1.18	[1.14, 1.22]	1.14	[1.10, 1.17]
Remote Australia	1.25	[1.16, 1.36]	1.24	[1.16, 1.32]
Communities that Care (ref=baseline)				
Implementation (phase 1-4)	1.05	[1.01, 1.08]	1.09	[1.04, 1.14]
Completion (phase 5)	1.08	[1.02, 1.15]	1.09	[1.02, 1.17]
Second cycle (phase 6)	1.35	[1.28, 1.42]	1.65	[1.56, 1.76]

Age group and CTC				
0-4yrs	Implementation (phase 1-4)	1.02	[0.94, 1.10]	
0-4yrs	Completion (phase 5)	0.87	[0.77, 0.98]	
0-4yrs	Second cycle (phase 6)	0.74	[0.67, 0.81]	
5-9yrs	Completion (phase 5)	0.90	[0.80, 1.03]	
5-9yrs	Implementation (phase 1-4)	0.99	[0.91, 1.07]	
5-9yrs	Second cycle (phase 6)	0.85	[0.77, 0.94]	
10-14yrs	Implementation (phase 1-4)	0.97	[0.90, 1.04]	
10-14yrs	Completion (phase 5)	0.91	[0.82, 1.01]	
10-14yrs	Second cycle (phase 6)	0.90	[0.83, 0.97]	
15-19yrs	Implementation (phase 1-4)	0.98	[0.91, 1.05]	
15-19yrs	Completion (phase 5)	0.97	[0.87, 1.08]	
15-19yrs	Second cycle (phase 6)	0.91	[0.83, 0.99]	

Notes: The parameter estimates are the interaction variable for CTC phase by age group, adjusted for age, sex, SEIFA (socio economic index for area) remoteness and year. Results statistically significant at P=0.05 are shown in bold font. *Excludes sport-related injury

Table A3 Multivariate results of unintentional injuries (including sports injury) for interaction between CTC phase and age group. Results are presented as incidence rate ratios, RR (the effect size of the interaction terms are exponentiated).

	Age 0-4 years (ref=20-34 years)		Age 5-9 years (ref=20-34 years)		Age 10-14 years (ref=20-34 years)		Age 15-19 years (ref=20-34 years)	
	RR	[95% CI]	RR	[95% CI]	RR	[95% CI]	RR	[95% CI]
Unintentional injury admissions*								
Phase (phase 0=ref)								
Implementation (phase 1-4)	1.00	[0.92, 1.08]	0.97	[0.89, 1.05]	0.99	[0.92, 1.07]	0.99	[0.92, 1.06]
Completion (phase 5)	0.86	[0.76, 0.97]	0.89	[0.78, 1.02]	0.91	[0.82, 1.01]	0.96	[0.86, 1.06]
Second cycle (phase 6)	0.76	[0.69, 0.84]	0.89	[0.80, 0.98]	0.92	[0.86, 1.00]	0.91	[0.84, 0.99]

Notes: The parameter estimates are the interaction variable for CTC phase by age group, adjusted for age, sex, SEIFA (socio economic index for area) remoteness and year. Results statistically significant at P=0.05 are shown in bold font. *Includes sports-related injury

Table A4 Multivariate results of unintentional injuries (sports injury excluded) for interaction between CTC phase and age group. Analysis is limited to data from communities that participated in the CTC in 2001-2017 (regardless of completion). Results are presented as incidence rate ratios, RR (the effect size of the interaction terms are exponentiated).

	Age 0-4 years (ref=20-34 years)		Age 5-9 years (ref=20-34 years)		Age 10-14 years (ref=20-34 years)		Age 15-19 years (ref=20-34 years)	
	RR	[95% CI]	RR	[95% CI]	RR	[95% CI]	RR	[95% CI]
Unintentional injury admissions*								
Phase (phase 0=ref)								
Implementation (phase 1-4)	1.01	[0.94, 1.09]	0.95	[0.89, 1.03]	0.92	[0.85, 0.99]	0.93	[0.86, 0.99]
Completion (phase 5)	0.86	[0.76, 0.98]	0.86	[0.76, 0.99]	0.85	[0.76, 0.95]	0.91	[0.82, 1.02]
Second cycle (phase 6)	0.74	[0.66, 0.82]	0.82	[0.74, 0.92]	0.85	[0.78, 0.94]	0.86	[0.78, 0.94]

Notes: The parameter estimates are the interaction variable for CTC phase by age group, adjusted for age, sex, SEIFA (socio economic index for area) remoteness and year. Results statistically significant at P=0.05 are shown in bold font. *Excludes sports-related injury

Table A5 Multivariate results of medical injuries for interaction between CTC phase and age group. Results are presented as incidence rate ratios, RR (the effect size of the interaction terms are exponentiated).

	Age 0-4 years (ref=20-34 years)		Age 5-9 years (ref=20-34 years)		Age 10-14 years (ref=20-34 years)		Age 15-19 years (ref=20-34 years)	
	RR	[95% CI]	RR	[95% CI]	RR	[95% CI]	RR	[95% CI]
Medical injuries								
Phase (phase 0=ref)								
Implementation (phase 1-4)	0.76	[0.64, 0.89]	0.96	[0.80, 1.16]	0.75	[0.56, 1.00]	0.93	[0.82, 1.06]
Completion (phase 5)	0.96	[0.79, 1.16]	1.06	[0.86, 1.30]	0.85	[0.66, 1.11]	0.93	[0.80, 1.09]
Second cycle (phase 6)	0.84	[0.66, 1.07]	0.83	[0.66, 1.04]	0.83	[0.67, 1.02]	0.94	[0.80, 1.11]

Notes: The parameter estimates are the interaction variable for CTC phase by age group, adjusted for age, sex, SEIFA (socio economic index for area) remoteness and year. Results statistically significant at P=0.05 are shown in bold font.