



Appendix 2

This appendix was part of the submitted manuscript and has been peer reviewed. It is posted as supplied by the authors.

Appendix to: Nehme Z, Andrew E, Cameron PA, et al. Population density predicts outcome from out-of-hospital cardiac arrest in Victoria, Australia. *Med J Aust* 2014; 200: 471-475. doi: 10.5694/mja13.10856.

Appendix 2: Incidence rates of adult OHCA of presumed cardiac aetiology across population densities of Victoria, 2003-2011.†

Population density (persons/km ²)	Statewide	Very Low Density (≤ 10)	Low Density (11 – 200)	Medium Density (201-1000)	High Density (1001-3000)	Very High Density (>3000)
Estimated service population	5 204 826	454 637	877 973	992 701	2 304 677	574 838
Estimated adult service population	4 011 761	346 781	651 321	734 898	1 794 834	483 926
Service area, km²	227 416	206 724	17 027	2183	1332	151
Regional population density, persons/km²	22.9	2.2	51.6	454.8	1730.6	3801.8
Statistical regions covered, No. (%)	209 (100.0%)	80 (38.3%)	42 (20.1%)	32 (15.3%)	42 (20.1%)	13 (6.2%)
EMS attended OHCA, No. (%)	27 705 (100.0%)	2469 (8.9%)	4489 (16.2%)	4729 (17.1%)	12 817 (46.3%)	3201 (11.6%)
Crude incidence per 100,000 adults	76.7	79.1	76.6	71.5	79.3	73.5
Age-adjusted incidence, per 100,000 adults	76.7	66.9	75.5	76.7	77.5	86.8
Age-adjusted mortality, per 100,000 adults	72.9	65.5	72.6	73.3	73.0	80.1
Case fatality rate, %	95.7%	99.1%	97.4%	96.3%	94.9%	93.2%
EMS treated OHCA, No. (%)	12 007 (100.0%)	842 (7.0%)	1709 (14.2%)	1993 (16.6%)	6017 (50.1%)	1446 (12.0%)
EMS treated, as % of EMS attended	43.3%	34.1%	38.1%	42.1%	46.9%	45.2%
Crude incidence rate, per 100,000 adults	33.3	27.0	29.2	30.1	37.2	33.2
Age-adjusted incidence, per 100,000 adults	33.3	22.9	28.4	32.0	36.5	39.7
Age-adjusted mortality, per 100,000 adults	29.4	21.5	25.5	28.7	32.1	33.0
Case fatality rate, %	90.0%	97.2%	92.9%	91.2%	89.1%	84.8%

†Adult patients, aged ≥ 18 years.