



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: Chen J, Ou L, Hillman KM, et al. Cardiopulmonary arrest and mortality trends, and their association with rapid response system expansion. *Med J Aust* 2014; 201: 167-170. doi: 10.5694/mja14.00019.

Appendix 2.

Table: Patients and hospital characteristics of 9,221,138 acute hospital admissions between 2002 and 2009 in NSW, Australia

Patient and hospital characteristics	2002/3		2004/5		2006/7		2008/9		P
	n	(%)	N	(%)	N	(%)	n	(%)	
Age groups									
>=14yr<<35yr	474125	(22.7%)	482629	(21.8%)	500246	(20.7%)	479577	(19.1%)	<0.001
>=35yr<<55yr	478172	(22.9%)	502498	(22.7%)	542738	(22.5%)	563267	(22.5%)	0.170
>=55yr<<75yr	661365	(31.6%)	693568	(31.4%)	766940	(31.8%)	808208	(32.3%)	1.000
>=75yr	478846	(22.9%)	531305	(24.0%)	603428	(25.0%)	654160	(26.1%)	<0.001
Male	956782	(45.7%)	1026620	(46.5%)	1138400	(47.2%)	1190344	(47.5%)	0.031
Marital status									
Married	1114670	(53.3%)	1186370	(53.7%)	1295432	(53.7%)	1352744	(54.0%)	1.000
never married	451442	(21.6%)	475787	(21.5%)	509258	(21.1%)	512263	(20.4%)	0.010
Widowed	293602	(14.0%)	301678	(13.7%)	341195	(14.1%)	356297	(14.2%)	0.771
divorced/separated	155678	(7.4%)	171486	(7.8%)	205845	(8.5%)	239342	(9.6%)	<0.001
Unknown	77182	(3.7%)	74679	(3.4%)	61622	(2.6%)	44566	(1.8%)	0.001
Country of Birth									
Australia and New Zealand	1452126	(69.4%)	1520041	(68.8%)	1654050	(68.5%)	1695505	(67.7%)	1.000
UK, US & Canada	124334	(5.9%)	130820	(5.9%)	141662	(5.9%)	146253	(5.8%)	0.864
Non-English Europe	199286	(9.5%)	215529	(9.8%)	235291	(9.7%)	244824	(9.8%)	0.221
North Africa	55493	(2.7%)	57685	(2.6%)	63451	(2.6%)	69785	(2.8%)	0.134
Asia	70779	(3.4%)	78314	(3.5%)	90636	(3.8%)	105247	(4.2%)	<0.001
Others	157405	(7.5%)	178235	(8.1%)	207291	(8.6%)	229030	(9.1%)	<0.001
Unknown	33151	(1.6%)	29376	(1.3%)	20971	(.9%)	14568	(.6%)	<0.001
Quartiles of SEIFA†									
1st quartile (most disadvantaged)	523078	(25.0%)	557205	(25.2%)	612746	(25.4%)	647538	(25.8%)	1.000
2nd quartile	490786	(23.5%)	537235	(24.3%)	599592	(24.8%)	624333	(24.9%)	0.481
3rd quartile	523331	(25.0%)	552945	(25.0%)	596099	(24.7%)	622873	(24.9%)	0.285
4th quartile (most advantaged)	537779	(25.7%)	545770	(24.7%)	581507	(24.1%)	585967	(23.4%)	0.031
unknown	17600	(.8%)	16845	(.8%)	23408	(1.0%)	24501	(1.0%)	0.183
Geological area of hospitals									
Metropolitan	1471156	(70.3%)	1515441	(68.6%)	1620632	(67.2%)	1662793	(66.4%)	1.000
Rural & Regional NSW	621418	(29.7%)	694559	(31.4%)	792720	(32.8%)	842419	(33.6%)	0.009
Hospital peer groups¶									
Principle referral groups	1060842	(50.7%)	1116407	(50.5%)	1214266	(50.3%)	1271293	(50.7%)	1.000
Ungrouped acute	63551	(3.0%)	60363	(2.7%)	65739	(2.7%)	64444	(2.6%)	0.780
Major hospitals	578104	(27.6%)	632147	(28.6%)	709145	(29.4%)	742923	(29.7%)	0.354
District group 1	196989	(9.4%)	203680	(9.2%)	212631	(8.8%)	224290	(9.0%)	0.440
District group2	193088	(9.2%)	197403	(8.9%)	211571	(8.8%)	202262	(8.1%)	0.180
Top 15 Principal Diagnostic Groups									
Renal failure	325802	(15.6%)	383088	(17.3%)	468655	(19.4%)	534083	(21.3%)	<0.001
Malignancy, including lymphoma and leukaemia	58952	(2.8%)	61363	(2.8%)	62902	(2.6%)	62820	(2.5%)	<0.001
Chronic pulmonary disease	42624	(2.0%)	40443	(1.8%)	40881	(1.7%)	41649	(1.7%)	<0.001
Cardiac arrhythmias	31613	(1.5%)	32340	(1.5%)	36572	(1.5%)	37683	(1.5%)	0.783
Congestive heart failure	21662	(1.0%)	21557	(1.0%)	24274	(1.0%)	24011	(1.0%)	0.084

Depression	20711 (1.0%)	24054 (1.1%)	24818 (1.0%)	26028 (1.0%)	0.742
Psychoses	18990 (.9%)	20512 (.9%)	20216 (.8%)	21347 (.9%)	0.198
Diabetes with chronic complication	14426 (.7%)	18919 (.9%)	23243 (1.0%)	22964 (.9%)	<0.001
Other neurological obesity	13132 (.6%)	13187 (.6%)	13360 (.6%)	13007 (.5%)	<0.001
Metastatic solid tumour	12169 (.6%)	13285 (.6%)	13487 (.6%)	14480 (.6%)	0.699
Peripheral vascular disease	8190 (.4%)	8171 (.4%)	8768 (.4%)	8447 (.3%)	0.018
liver disease	6979 (.3%)	7032 (.3%)	7113 (.3%)	6803 (.3%)	0.002
Pulmonary circulation disorders	6140 (.3%)	5636 (.3%)	5860 (.2%)	6757 (.3%)	0.227
Drug abuse	5994 (.3%)	7137 (.3%)	7583 (.3%)	6841 (.3%)	0.709
Fluid and electrolyte disorders	5748 (.3%)	6250 (.3%)	6866 (.3%)	7685 (.3%)	0.006

†: **SEIFA:** Socio-Economic Indexes for Areas developed by Australia Bureau of Statistics(Pink, 2011)

¶:**Principal Referral Group A** Acute hospitals, treating 25,000 or more acute casemix weighted separations per annum;

Ungrouped Acute: Establishments whose primary role is the provision of acute services of a specialised nature for which there is insufficient peers to form additional peer groups. Limited comparisons can be made with other hospitals in principal referral group;

Major hospitals: Acute hospitals, treating 10,000 or more acute casemix weighted separations per annum, but having less than 25,000 acute casemix weighted separations or an average casemix weight of less than 1; or Acute hospitals treating 10,000 or more acute casemix weighted separations per annum that are located in rural areas providing acute specialist and referral services for a catchment population from a large geographical area.

District Group 1: Acute hospitals, treating 5,000 or more, but less than 10,000 acute casemix weighted separations per annum.

District Group 2: Acute hospitals, treating 2,000 or more, but less than 5,000 acute casemix weighted separations per annum, plus acute hospitals treating less than 2,000 acute casemix weighted separations per annum but with more than 2,000 separations per annum.

Pink, B. (2011). Socio-Economic Indexes for Areas (SEIFA) 2011: Australian Bureau of Statistics.