



Supporting Information

Supplementary results

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

Appendix to: Weise JC, Srasuebku P, Trollor JN. Potentially preventable hospitalisations of people with intellectual disability in New South Wales. *Med J Aust* 2021; doi: 10.5694/mja2.51088.

Table 1. Potentially preventable hospitalisations: definitions of conditions and availability of data

Category	ICD-10-AM*	Available from HealthStats NSW	Available in linked data set
Vaccine-preventable conditions			
Pneumonia and influenza (vaccine-preventable)	J10, J11, J13, J14	✓	✓
Other vaccine-preventable conditions	A08.0, A35, A36, A37, A80, B01, B05, B06, B16.1, B16.9, B18.0, B18.1, B26, G00.0	✓	✓
Chronic conditions			
Asthma	J45, J46	✓	✓
Congestive cardiac failure	I50, I11.0, J81	✓	x
Diabetes complications	E10, E11, E13, E14	✓	✓
Chronic obstructive pulmonary disease	J20, J41, J42, J43, J44	✓	✓
Bronchiectasis	J47, J20	✓	✓
Angina	I20, I24.0, I24.8, I24.9	✓	x
Iron deficiency anaemia	D50.1, D50.8, D50.9	✓	✓
Hypertension	I10, I11.9	✓	x
Nutritional deficiencies	E40, E41, E42, E43, E55.0, E64.3	✓	✓
Rheumatic heart diseases	I00, I01, I02, I05, I06, I07, I08, I09	✓	✓
Acute conditions			
Pneumonia (not vaccine-preventable)	J15.3, J15.4, J15.7, J16.0	✓	✓
Urinary tract infections, including pyelonephritis	N10, N11, N12, N13.6, N15.1, N15.9, N28.9, N39.0, N39.9	✓	✓
Perforated/bleeding ulcer	K25.0, K25.1, K25.2, K25.4, K25.5, K25.6, K26.0, K26.1, K26.2, K26.4, K26.5, K26.6, K27.0, K27.1, K27.2, K27.4, K27.5, K27.6, K28.0, K28.1, K28.2, K28.4, K28.5, K28.6	✓	✓

Category	ICD-10-AM*	Available from HealthStats NSW	Available in linked data set
Cellulitis	L02, L03, L04, L08, L88, L98.0, L98.3	✓	×
Pelvic inflammatory disease	N70, N73, N74	✓	✓
Ear, nose and throat infections	H66, J02, J03, J06, J31.2	✓	✓
Dental conditions	K02, K03, K04, K05, K06, K08, K09.8, K09.9, K12, K13, K14.0	✓	✓
Convulsions and epilepsy	G40, G41, R56	✓	✓
Eclampsia	O15	✓	✓
Gangrene	R02, I70.24, E09.52	✓	✓

ICD-10-AM = International Statistical Classification of Diseases and Related Health Problems, tenth revision, Australian modification.

* Australian Institute of Health and Welfare. National healthcare agreement: PI 18. Selected potentially preventable hospitalisations, 2018. <https://meteor.aihw.gov.au/content/index.phtml/itemId/658499> (viewed Apr 2021).

Table 2. Age-adjusted rates of potentially preventable hospitalisations (per 100 000 persons), 2001–02 to 2014–15, by category (all New South Wales, people with intellectual disability)

Year	All conditions			Vaccine-preventable			Chronic conditions			Acute conditions		
	All NSW	Intellectual disability	RR (95% CI)	All NSW	Intellectual disability	RR (95% CI)	All NSW	Intellectual disability	RR (95% CI)	All NSW	Intellectual disability	RR (95% CI)
2001–02	1284	5620	4.4 (4.1–4.7)	57	182	3.2 (2.2–4.7)	602	678	1.1 (1.0–1.3)	625	4760	7.6 (6.9–8.4)
2002–03	1278	5767	4.5 (4.2–4.9)	53	137	2.6 (1.7–3.8)	599	592	1.0 (0.8–1.2)	625	5038	8.1 (7.4–8.8)
2003–04	1308	5721	4.4 (4.1–4.7)	51	143	2.8 (2.1–3.8)	619	804	1.3 (1.1–1.5)	638	4773	7.5 (6.8–8.2)
2004–05	1354	5876	4.3 (4.0–4.7)	41	141	3.4 (2.2–5.2)	659	818	1.2 (1.1–1.4)	653	4917	7.5 (6.9–8.2)
2005–06	1407	6054	4.3 (4.0–4.6)	39	105	2.7 (1.8–4.1)	669	726	1.1 (0.9–1.3)	699	5223	7.5 (6.9–8.1)
2006–07	1455	6301	4.3 (4.1–4.6)	35	78	2.2 (1.5–3.4)	705	727	1.0 (0.9–1.2)	715	5497	7.7 (7.1–8.4)
2007–08	1505	5826	3.9 (3.6–4.1)	51	109	2.1 (1.6–3.0)	714	713	1.0 (0.9–1.1)	741	5004	6.8 (6.2–7.3)
2008–09	1491	5775	3.9 (3.6–4.1)	47	125	2.6 (1.8–3.9)	720	747	1.0 (0.9–1.2)	723	4903	6.8 (6.2–7.4)
2009–10	1497	5651	3.8 (3.5–4.0)	54	130	2.4 (1.8–3.2)	726	804	1.1 (1.0–1.3)	718	4718	6.6 (6.1–7.1)
2010–11	1332	5713	4.3 (4.0–4.6)	44	100	2.3 (1.6–3.1)	539	711	1.3 (1.1–1.5)	749	4902	6.5 (6.0–7.1)
2011–12	1364	5690	4.2 (3.9–4.4)	51	135	2.7 (1.9–3.7)	560	703	1.3 (1.1–1.4)	754	4852	6.4 (6.0–6.9)
2012–13	1373	5652	4.1 (3.9–4.4)	61	170	2.8 (2.1–3.7)	564	625	1.1 (1.0–1.3)	749	4857	6.5 (6.0–7.0)
2013–14	1450	5482	3.8 (3.6–4.0)	98	287	2.9 (2.3–3.8)	592	830	1.4 (1.2–1.6)	761	4365	5.7 (5.3–6.2)
2014–15	1511	5286	3.5 (3.3–3.7)	136	379	2.8 (2.2–3.5)	599	776	1.3 (1.1–1.5)	776	4132	5.3 (4.9–5.7)

CI = confidence interval; RR = rate ratio.

Table 3. Age-adjusted rates of potentially preventable hospitalisations (per 100 000 persons), New South Wales, 2010–11 to 2014–15, by condition

Condition	All ages			0–14 years			15–24 years			25–44 years			45–64 years			65 years or more		
	NSW	Intellectual disability	RR (95% CI)	NSW	Intellectual disability	RR (95% CI)	NSW	Intellectual disability	RR (95% CI)	NSW	Intellectual disability	RR (95% CI)	NSW	Intellectual disability	RR (95% CI)	NSW	Intellectual disability	RR (95% CI)
Vaccine-preventable conditions																		
Pneumonia and influenza	31.1	91	2.9 (2.6–3.3)	8.0	38	4.8 (3.9–6.0)	1.7	6	3.9 (2.2–6.8)	6.0	26	4.2 (2.8–6.4)	7.9	26	3.3 (2.2–4.8)	15.7	22	1.4 (0.9–2.1)
Other	28.4	73	2.6 (2.2–2.9)	7.9	17	2.1 (1.7–2.7)	1.1	2	1.7 (0.8–3.6)	9.8	27	2.7 (1.9–3.8)	13.5	36	2.7 (2.0–3.6)	7.1	20	2.7 (1.5–5.0)
Chronic conditions*																		
Asthma	97.0	39	0.4 (0.4–0.4)	47.8	5	0.1 (0.1–0.1)	8.1	2	0.3 (0.2–0.3)	16.0	5	0.3 (0.2–0.4)	14.4	6	0.4 (0.3–0.6)	12.2	3	0.2 (0.2–0.4)
Bronchiectasis	13.0	34	2.6 (2.1–3.2)	0.4	4	10.0 (4.1–24.7)	0.3	5	14.5 (5.2–40.5)	0.9	10	11.7 (4.6–29.7)	3.7	7	1.9 (1.1–3.6)	9.9	12	1.2 (0.7–2.1)
Chronic obstructive pulmonary disease	215.1	479	2.2 (2.1–2.4)	0.5	2	3.0 (1.2–7.5)	0.2	1	5.1 (1.3–20.9)	3.2	17	5.3 (3.0–9.2)	47.4	136	2.9 (2.4–3.4)	159.7	320	2.0 (1.8–2.3)
Iron deficiency anaemia	99.5	174	1.8 (1.6–1.9)	1.1	4	3.3 (1.8–6.1)	4.4	6	1.3 (0.9–1.9)	20.0	38	1.9 (1.5–2.4)	33.1	60	1.8 (1.5–2.2)	64.2	79	1.2 (1.0–1.5)
Rheumatic heart diseases	7.3	9	1.2 (0.8–1.6)	0.3	1	2.1 (0.7–6.6)	0.2	< 1	1.7 (0.3–9.8)	0.6	1	1.6 (0.4–6.6)	1.8	1	0.8 (0.3–1.9)	3.9	0	0
Acute conditions†																		
Convulsions and epilepsy	115.8	2567	22.2 (21.3–23.1)	41.6	615	14.8 (13.7–16.0)	12.4	279	22.6 (19.4–26.3)	24.7	636	25.7 (22.2–29.7)	22.4	571	25.4 (21.6–29.9)	17.5	210	11.9 (8.8–16.3)
Dental conditions	210.2	1185	5.6 (5.4–5.9)	99.4	304	3.1 (2.9–3.3)	20.5	148	7.2 (6.3–8.4)	38.6	428	11.1 (9.7–12.8)	40.2	256	6.4 (5.4–7.5)	23.2	53	2.3 (1.6–3.2)
Ear, nose, and throat infections	131.3	365	2.8 (2.7–2.9)	83.0	207	2.5 (2.3–2.7)	17.7	28	1.5 (1.3–1.9)	18.6	44	2.4 (1.9–3.1)	8.2	30	3.6 (2.5–5.3)	9.5	21	2.2 (1.3–3.7)
Pelvic inflammatory disease	19.7	16	0.8 (0.7–0.9)	0.1	< 1	1.2 (0.1–10.7)	2.7	2	0.6 (0.4–1.0)	8.7	7	0.8 (0.5–1.1)	3.1	1	0.2 (0.1–0.4)	0.5	4	9.0 (1.2–64.7)
Perforated/bleeding ulcer	19.3	36	1.8 (1.5–2.3)	0.0	< 1	2.7 (0.1–58.8)	0.4	1	1.6 (0.5–5.4)	2.5	4	1.6 (0.8–3.2)	4.7	13	2.7 (1.6–4.5)	10.0	15	1.4 (0.9–2.4)
Pneumonia (not vaccine-preventable)	7.3	7	1.0 (0.7–1.3)	3.5	1	0.2 (0.1–0.2)	0.5	0	0	0.8	2	1.9 (0.6–6.2)	0.9	2	2.3 (0.7–7.7)	1.7	3	1.7 (0.5–6.1)
Urinary tract infections	190.9	646	3.4 (3.2–3.6)	26.6	63	2.4 (2.1–2.7)	17.0	37	2.2 (1.8–2.6)	28.9	120	4.1 (3.4–5.0)	35.4	189	5.3 (4.5–6.4)	114.5	300	2.6 (2.3–3.0)

CI = confidence interval; RR = rate ratio.

* Data for diabetes complications and nutritional deficiencies not included because of small case numbers.

† Data for eclampsia and gangrene not included because of small case numbers.