



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: Zhao Y, Wright J, Unnikrishnan R, et al. Assessing the adequacy and sustainability of the Northern Territory health workforce with respect to burden of disease and injury, 2009–2021: an analysis of administrative data. *Med J Aust* 2024; doi: 10.5694/mja2.52507.

Table 1. Estimated mean numbers of health workers in the Northern Territory and Australia, 2013–2021, by profession*

Profession	Northern Territory	Australia
Nurses and midwifery	4102	322021
Other medical practitioners	600	35836
General practice	277	24144
Pharmacy	193	24407
Psychology	187	26633
Physiotherapy	172	26102
Paramedicine†	166	17210
Aboriginal health practitioners	166	312
Occupational therapists	165	17482
Dentistry	137	19902
Medical radiation	104	13700
Physician	73	7862
Emergency medicine	39	1860
Surgery	36	5041
Anaesthesia	32	4336
Optometry	32	4877
Paediatrics and child health	29	2002
Podiatry	23	4486
Psychiatry	22	3451
Chiropractic	22	4679
Obstetrics and gynaecology	18	1763
Public health medicine	15	240
Chinese medicine	11	3931
Intensive care medicine	10	666
Pathology	8	1373
Ophthalmology	5	922
Radiology	5	2043
Medical administration	3	218
Palliative medicine	3	248
Rehabilitation medicine	3	430
Osteopathy	3	2106
Addiction medicine	2	105
Radiation oncology	2	351
Sport and exercise medicine	2	113
Dermatology	1	502
Occupational and environmental medicine	1	239
Sexual health medicine	1	88
Pain medicine	0	141

* Sources: reference 1

† Data available only for 2019–2021.

Table 2. Size and annual change in size of the Northern Territory and Australian health workforces with respect to population size, 2013–2021, by profession*

Profession	Health workers/ 100 000 population			Annual change in health workers/ 100 000 population		
	Northern Territory	Australia	Difference	Northern Territory	Australia	Difference
Nursing and midwifery	1664.4	1325.6	338.9	32.17	17.28	14.89
Other medical practitioners	243.4	147.5	95.9	4.28	2.10	2.18
Aboriginal health practitioners†	223.5	41.2	182.3	-4.96	6.06	-11.02
General practice	112.5	99.4	13.1	5.71	2.40	3.31
Pharmacy	78.3	100.5	-22.2	2.09	1.53	0.56
Psychology	76.1	109.6	-33.6	-0.24	3.00	-3.24
Physiotherapy	69.8	107.4	-37.6	2.83	4.26	-1.43
Occupational therapy	66.8	72.0	-5.1	3.74	4.13	-0.39
Paramedicine‡	66.7	68.0	-1.3	1.67	4.48	-2.81
Dentistry	55.7	81.9	-26.2	0.07	1.00	-0.93
Medical radiation	42.2	56.4	-14.2	1.61	1.34	0.27
General medicine	29.7	32.4	-2.6	1.79	1.08	0.71
Emergency medicine	15.9	7.7	8.3	1.49	0.56	0.93
Surgery	14.7	20.8	-6.1	0.00	0.24	-0.25
Anaesthesia	13.2	17.8	-4.7	0.53	0.35	0.18
Optometry	13.1	20.1	-7.0	-0.01	0.48	-0.49
Paediatric and child health	11.7	8.2	3.4	0.50	0.36	0.14
Podiatry	9.3	18.5	-9.2	0.35	0.54	-0.19
Psychiatry	9.1	14.2	-5.1	0.50	0.28	0.22
Chiropractic	9.0	19.3	-10.2	-0.12	0.26	-0.39
Obstetrics and gynaecology	7.4	7.3	0.2	0.14	0.09	0.05
Public health medicine	5.9	1.0	4.9	-0.37	0.00	-0.37
Chinese medicine	4.6	16.2	-11.5	-0.13	-0.07	-0.06
Intensive care medicine	4.1	2.7	1.3	0.19	0.10	0.09
Pathology	3.1	5.7	-2.5	0.06	0.01	0.05
Ophthalmology	2.2	3.8	-1.6	0.17	0.02	0.15
Radiology	2.2	8.4	-6.2	0.00	0.19	-0.19
Medical administration	1.3	0.9	0.4	-0.13	-0.01	-0.13
Palliative medicine	1.3	1.0	0.3	0.05	0.06	-0.01
Rehabilitation medicine	1.2	1.8	-0.6	0.00	0.05	-0.06
Osteopathy	1.0	8.7	-7.6	0.29	0.44	-0.15
Addiction medicine	0.7	0.4	0.3	0.09	0.00	0.09
Radiation oncology	0.7	1.4	-0.8	0.08	0.03	0.05
Sport and exercise medicine	0.7	0.5	0.2	0.06	0.01	0.05
Dermatology	0.5	2.1	-1.5	-0.08	0.04	-0.13
Occupational and environmental medicine	0.5	1.0	-0.4	0.02	-0.01	0.03
Sexual health medicine	0.5	0.4	0.2	0.06	0.00	0.05
Pain medicine	0.1	0.6	-0.4	0.08	0.04	0.04

* Sources: references 1, 2.

† Based on burden of disease among Aboriginal and Torres Strait Islander people.

‡ Data available only for 2019–2021.

References

1. Australian Institute of Health and Welfare. Health workforce. Updated 7 July 2022.
<https://www.aihw.gov.au/reports/workforce/health-workforce> (viewed Dec 2023).
2. Australian Bureau of Statistics. National, state and territory population, June 2021. 16 Dec 2021.
<https://www.abs.gov.au/statistics/people/population/national-state-and-territory-population/jun-2021> (viewed Dec 2023).