



Supporting Information

Supplementary methods and results

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

Appendix to: Gibbs C, Howarth T, Ticoalu A, et al. Bronchiectasis among Indigenous adults in the Top End of the Northern Territory, 2011–2020: a retrospective cohort study. *Med J Aust* 2024; doi: 10.5694/mja2.52204.

Table 1. Age stratification and weighting of the Top End Health Service Indigenous population

Sex/Age group (years)	Top End Health Service population*	Weighting
Men	11325	
18-29	4194	37.0%
30-39	2736	24.2%
40-49	2148	19.0%
50-59	1322	11.7%
>60	754	6.7%
Women	12261	
18-29	4247	34.6%
30-39	2818	23.0%
40-49	2437	19.9%
50-59	1489	12.1%
>60	1068	8.7%
All people	23586	
18-29	8441	35.8%
30-39	5554	23.5%
40-49	4585	19.4%
50-59	2811	11.9%
>60	1822	7.7%

* Random age obfuscation in the census data reporting (to maintain confidentiality within the population when assessed by age group) means that the overall count differs from the sum of the age group counts. Source: Australian Bureau of Statistics 2011 census data (<https://www.abs.gov.au/statistics/microdata-tablebuilder/tablebuilder>).

Table 2. Prevalence of CT-confirmed bronchiectasis among Indigenous adults in the Top End Health Service region, 2011–2020, by age group and sex*

Age group (years)	Number of cases			Indigenous population			Bronchiectasis prevalence (per 1000)		
	Total	Women	Men	Total	Women	Men	Total	Women	Men
18-29	38	23	15	8441	4247	4194	4.5	5.4	3.6
30-39	91	49	42	5554	2818	2736	16.4	17.4	15.4
40-49	143	77	66	4585	2437	2148	31.2	31.6	30.7
50-59	120	64	56	2811	1489	1322	42.7	43	42.4
>60	67	41	26	1822	1068	754	36.8	38.4	34.5

CT = computed tomography.

Table 3. Age-adjusted prevalence of CT-confirmed bronchiectasis among Indigenous adults in the Top End Health Service region, 2011–2020, by health service region, age group, and sex

Region/Age group (years)	Number of cases			Indigenous population			Bronchiectasis prevalence (per 1000)		
	Total	Women	Men	Total	Women	Men	Total	Women	Men
Darwin Urban									
18-29	1	1	0	2085	964	1121	0.5	1	0
30-39	3	2	1	1537	771	766	2	2.6	1.3
40-49	9	4	5	1316	687	629	6.8	5.8	7.9
50-59	9	4	5	870	475	395	10.3	8.4	12.7
>60	12	7	5	520	330	190	23.1	21.2	26.3
Darwin Rural									
18-29	17	11	6	2431	1274	1157	7	8.6	5.2
30-39	54	31	23	1523	743	780	35.5	41.7	29.5
40-49	67	41	26	1215	617	598	55.1	66.5	43.5
50-59	56	36	20	721	383	338	77.7	94	59.2
>60	32	21	11	459	281	178	69.7	74.7	61.8
East Arnhem									
18-29	8	2	6	1940	983	957	4.1	2	6.3
30-39	19	9	10	1331	699	632	14.3	12.9	15.8
40-49	36	16	20	984	535	449	36.6	29.9	44.5
50-59	32	13	19	605	316	289	52.9	41.1	65.7
>60	7	3	4	349	196	153	20.1	15.3	26.1
Katherine									
18-29	12	9	3	1985	1026	959	6	8.8	3.1
30-39	15	7	8	1163	605	558	12.9	11.6	14.3
40-49	31	16	15	1070	598	472	29	26.8	31.8
50-59	23	11	12	615	315	300	37.4	34.9	40
>60	16	10	6	494	261	233	32.4	38.3	25.8

CT = computed tomography.

Table 4. Number of deaths and mortality rate* among Indigenous adults in the Top End Health Service region with CT-confirmed bronchiectasis, 2011–2023, by health service region and year

Year of death	Total			Darwin Urban			Darwin Rural			East Arnhem			Katherine		
	At risk	Deaths	Mortality rate	At risk	Deaths	Mortality rate	At risk	Deaths	Mortality rate	At risk	Deaths	Mortality rate	At risk	Deaths	Mortality rate
2012	459	3	0.7%	34	0	0	226	2	0.9%	102	0	0	97	1	1.0%
2013	456	11	2.4%	34	1	2.9%	224	3	1.3%	102	3	2.9%	96	4	4.2%
2014	445	13	2.9%	33	2	6.1%	221	6	2.7%	99	2	2.0%	92	3	3.3%
2015	432	13	3.0%	31	2	6.5%	215	8	3.7%	97	0	0	89	3	3.4%
2016	419	14	3.3%	29	1	3.4%	207	4	1.9%	97	3	3.1%	86	6	7.0%
2017	405	16	4.0%	28	4	14%	203	5	2.5%	94	2	2.1%	80	5	6.3%
2018	389	32	8.2%	24	3	12%	198	19	9.6%	92	4	4.3%	75	6	8.0%
2019	357	16	4.5%	21	0	0	179	11	6.1%	88	2	2.3%	69	3	4.3%
2020	341	28	8.2%	21	2	9.5%	168	12	7.1%	86	8	9.3%	66	6	9.1%
2021	313	27	8.6%	19	1	5.3%	156	16	10%	78	6	7.7%	60	4	6.7%
2022	286	18	6.3%	18	4	22%	140	8	5.7%	72	3	4.2%	56	3	5.4%
2023	268	4	1.5%	14	1	7.1%	132	3	2.3%	69	0	0	53	0	0

CT = computed tomography.

* Number of deaths per population at risk. No deaths were recorded in 2011; follow-up ended at 30 April 2023 (only four months' data for 2023). Initial populations (2011) were Darwin Urban, 34; Darwin Rural, 226; East Arnhem, 102; Katherine, 97.