



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: Lewkowski K, Heyworth J, Ytterstad E, et al. The prevalence of tinnitus in the Australian working population. *Med J Aust* 2022; doi: 10.5694/mja2.51354.

Table 1. Classification of occupational groups for AWES Hearing study using 2-digit ANZSCO codes¹

Group	ANZSCO codes	Included occupations
Office	51-59	Office managers, clerks and other administrative workers
IT & engineering	23,26,31	ICT, engineering and design professions and technicians
Managers	11,13	General managers, CEOs and specialist managers
Professionals	22,27	Business, HR, marketing, legal and social professionals
Education	24	Education professionals including primary, secondary and tertiary teachers
Farming	12,84,38	Farmers, forestry, animal and horticultural workers
Hospitality/entertainment	14,21,43,35,85	Hospitality, arts and media and food workers
Retail	61-63	Salespersons and sales representatives, assistants and support
Personal service	44,81,45	Protective services, cleaners, laundry workers, sports service workers
Construction	33,82,89	Construction trades workers, labourers (construction and general)
Drivers	72,73,74	Mobile plant operators, road drivers (taxi, delivery, truck, tanker, bus), rail drivers, forklift drivers, and store persons.
Automotive	32	Automotive and engineering trades workers
Technology and communication trades	34,39, 36	Electro technology and telecommunications and other trade workers
Machine operators	71,83	Machine and stationary plant operators (including mining) and factory process workers
Health	25,41,42	Health professionals, health and welfare support, carers and aides

IT: Information technology; ICT: Information and communication technology; CEO: Chief executive officers; HR: Human resources; ANZSCO: Australian and New Zealand Standard Classification of Occupations

1 Australian Bureau of Statistics. 1220.0. ANZSCO:- Australian and New Zealand Standard Classification of Occupations, 2013, version 1.2. June 2013. <https://www.abs.gov.au/AUSSTATS/abs@.nsf/allprimarymainfeatures/4AF138F6DB4FFD4BCA2571E200096BAD?opendocument> (viewed May 2017).

Table 2. Region classification of country of birth for the AWES Hearing Study²

Group	Included countries
Africa	Eritrea, Ghana, Mauritius, Seychelles and those that gave “Africa” as a free text answer–country of birth
Asia	Afghanistan, Bangladesh, Brunei, Cambodia, China, Hong Kong, India, Indonesia, Iran, Japan, Laos, Malaysia, Maldives, Mongolia, Myanmar, Nepal, New Guinea, Papua New Guinea, Pakistan, Philippines, Sri Lanka, Singapore, Samoa, South Korea, Thailand, Vietnam
Australia/New Zealand	Australia and New Zealand
Europe	Albania, Austria, Belarus, Bosnia, Bulgaria, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Lithuania, Macedonia, Malta, Norway, Netherlands, Portugal, Poland, Republic of Georgia, Russia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, Uruguay, United Kingdom, Yugoslavia
Other	USA, Canada, Fiji, Nauru, Samoa, Tonga Argentina, Brazil, Barbados, Chile, Colombia, El Salvador, Guyana, Mexico, Nicaragua, Peru, South America, Trinidad and Tobago, Venezuela, Lebanon, Abu Dhabi, Egypt, Iraq, Kuwait, Somalia and Syria

2 International Telecommunication Union. Economy classifications: ITU regions, corresponding to the regional grouping of the ITU’s Telecommunication Development Bureau. Undated. <https://www.itu.int/en/ITU-D/Statistics/Pages/definitions/regions.aspx> (viewed Nov 2017).

Table 3. Participants in the AWES-Hearing sample ($N = 4970$) with occasional, intermittent and constant tinnitus: number and proportions of interviewees with tinnitus, by characteristic

	Occasional tinnitus		Intermittent tinnitus		Constant tinnitus		Any tinnitus	
	<i>N</i>	Proportion (95% CI)	<i>N</i>	Proportion (95% CI)	<i>N</i>	Proportion (95% CI)	<i>N</i>	Proportion (95% CI)
Total	713	14% (13–15%)	259	5% (5–6%)	345	7% (6–8%)	1317	26% (25–28%)
Sex								
Men	406	15% (14–17%)	162	6% (5–7%)	248	9% (1–8%)	501	30% (29–32%)
Women	307	13% (12–15%)	97	4% (3–5%)	97	4% (0–3%)	816	22% (20–24%)
Age group								
18-24	77	18% (14–22%)	18	4% (3–6%)	4	1% (0–2%)	99	23% (19–27%)
25-34	111	14% (12–17%)	36	5% (3–6%)	19	2% (2–4%)	166	21% (19–24%)
35-44	181	17% (15–20%)	61	6% (5–7%)	54	5% (4–7%)	296	28% (25–31%)
45-54	208	14% (13–16%)	66	5% (4–6%)	118	8% (7–10%)	392	27% (25–29%)
55-64	136	11% (9–13%)	78	6% (5–8%)	150	12% (10–14%)	364	29% (27–32%)
Education								
Year 10 or below	58	14% (11–18%)	20	5% (3–7%)	40	10% (7–13%)	118	29% (25–33%)
Year 11 or 12	126	14% (12–17%)	43	5% (4–7%)	52	6% (5–8%)	221	25% (23–28%)
Trade or apprenticeship	85	19% (15–22%)	26	6% (4–8%)	64	14% (11–18%)	175	38 (34–43%)
Diploma	154	15% (13–17%)	47	5% (3–6%)	67	7% (5–8%)	268	26 (24–29%)
University degree	290	13% (12–15%)	122	6% (5–7%)	120	6% (5–7%)	532	24 (23–26%)
Missing	0	0%	1	2% (0–16%)	2	5% (1–18%)	3	8 (2–21%)
Remoteness								
Major cities	440	14% (12–15%)	158	5% (4–6%)	195	6% (5–7%)	793	24 (23–26%)
Inner regional	160	17% (15–20%)	59	6% (5–8%)	76	8% (6–10%)	295	31 (28–34%)
Outer regional	81	14% (11–17%)	36	6% (4–8%)	65	11% (9–14%)	182	30 (27–34.2%)
Remote/very remote	21	16% (10.4–23%)	6	4% (2 - 10%)	8	6% (3–11%)	35	26% (19–34%)
Missing	11	24% (14–38%)	0	0	1	2% (0–14%)	12	26% (15–41%)
Region of birth								

	Occasional tinnitus		Intermittent tinnitus		Constant tinnitus		Any tinnitus	
	<i>N</i>	Proportion (95% CI)	<i>N</i>	Proportion (95% CI)	<i>N</i>	Proportion (95% CI)	<i>N</i>	Proportion (95% CI)
Australia/New Zealand	591	16% (14–17%)	219	6% (5–7%)	297	8% (7–9%)	1107	29% (28–31)
Africa	9	2% (6–21%)	1	1% (0–9%)	3	4% (1–11%)	13	17% (10–27%)
Asia	29	6% (4–9%)	7	2% (1–3%)	8	2% (1–3%)	44	9.7% (7–13%)
Europe	70	14% (12–18%)	24	5% (3–7%)	30	6% (4–9%)	124	26% (22–30%)
Other	11	10% (6–17%)	7	6% (3–13%)	6	5% (2–12%)	24	22% (15–30%)
Missing	3	7% (2–20%)	1	2% (0–16%)	1	2% (0–16%)	5	12.% (5–26%)
Current smoker								
No	627	14% (13–15%)	217	5% (4–6%)	298	7% (6–8%)	1142	26% (25–27%)
Yes	86	15% (12–18%)	42	7% (5–10%)	47	8% (6–11%)	175	30% (27–34%)
Occupational group								
Office	102	13% (11 - 16)	34	4% (3–6%)	30	4% (3–6%)	166	22% (19–25%)
IT/engineering	63	14% (11–17%)	27	6% (4–8%)	42	9% (7–12%)	132	29% (25–33%)
Managers	65	13% (10–16%)	21	4% (3–6%)	41	8% (6–11%)	127	25% (22–29%)
Professionals	75	16% (13–20%)	22	5% (3–7%)	25	5% (4–8%)	122	26% (22–30%)
Education	45	14% (10–18%)	21	6% (4–10%)	11	3% (2–6%)	77	24% (19–29%)
Farming	17	9% (6–14%)	13	7% (4–12%)	25	14% (9–19%)	55	30% (24–37%)
Hospitality/entertainment	50	15% (11–19%)	17	5% (3–8%)	19	6% (4–9%)	86	25% (21–30%)
Retail	42	15% (11–19%)	14	5% (3–8%)	15	5% (3–8%)	71	25% (20–30%)
Personal service	34	17% (13–23%)	4	2% (1–5%)	12	6% (3–10%)	50	25% (20–32%)
Construction	40	20% (15–26%)	10	5% (3–9%)	14	7% (4–12%)	64	32% (26–39%)
Drivers	30	15% (11–21%)	12	6% (3–10%)	29	15% (10–20%)	71	36% (30–43%)
Automotive	22	15% (10–22%)	13	9% (5–15%)	25	18% (12–25%)	60	42% (34–51%)
Other trades	39	18% (13–24%)	14	6.5% (4–11%)	26	12% (8–17%)	79	37% (30–43%)
Machine operators	17	13% (8–20%)	5	4% (2–9%)	12	9% (5–16%)	34	26% (19–34%)
Health	72	13% (11–16%)	32	6% (4–8%)	19	4% (2–5%)	123	23% (19–26%)
Size of business (people)								

	Occasional tinnitus		Intermittent tinnitus		Constant tinnitus		Any tinnitus	
	<i>N</i>	Proportion (95% CI)	<i>N</i>	Proportion (95% CI)	<i>N</i>	Proportion (95% CI)	<i>N</i>	Proportion (95% CI)
1	48	16% (12–20%)	14	4.6% (3–8%)	34	11% (8–15%)	96	31% (27–37%)
2-5	81	15% (13–19%)	34	6% (5–9%)	42	8% (6–11%)	157	30% (26–34%)
6-19	121	14% (12–17%)	40	5% (3–6%)	54	6% (5–8%)	215	25% (22–28%)
20-200	186	13% (11–14%)	75	5% (4–6%)	89	6% (5–7%)	350	24% (22–26%)
200+	273	15% (14–17%)	95	5% (4–7%)	126	7% (6–8%)	494	28% (26 - 30%)
Unknown	4	12% (5–28%)	1	3% (0–19%)	0	0%	5	15% (6–32%)

IT: Information Technology.

Table 4 Adjusted prevalence and estimated numbers of people with constant tinnitus in the Australian workforce, by demographic factors and worker characteristics, stratified by sex

	Men		Women		Total	
	N	% (95% CI)	N	% (95% CI)	N	% (95% CI)
	376015	7.5% (6.2–8.7%)	153328	3.3% (2.3–4.3%)	529343	5.5% (4.6–6.3%)
Age group						
18-24	6700	1.0% (0.0–2.6%)	3138	0.5% (0.0–1.6%)	9838	0.8% (0.0–1.8%)
25-34	45127	3.6% (1.5–5.7%)	4413	0.4% (0.0–1.2%)	49540	2.2% (0.9–3.4%)
35-44	72283	6.0% (3.7–8.4%)	43427	4.0% (1.8–6.3%)	115710	5.1% (3.5–6.8%)
45-54	121367	10.7% (8.0–13.4%)	52799	4.8% (2.6–7%)	173433 174166	7.9% (6.1–9.7%)
55-64	130538	15.9% (12.5–19.3%)	49552	6.7% (3.5–9.9%)	179332 180090	11.7% (9.3–14.2%)
Education						
Year 10 or below	50996	10.4% (6.0–14.8%)	19319	4.4% (0.9–7.8%)	70042	7.7% (4.8–10.6%)
Year 11 or 12	65276	5.1% (2.8–7.4%)	40185	3.1% (1.1–5.1%)	105032	4.1% (2.6–5.7%)
Trade or apprenticeship	157143	11.3% (7.8–14.8%)	20677	4.1% (0.0–9.6%)	177177	9.5% (6.3–12.7%)
Diploma	39428	6.6% (3.8–9.5%)	20477	2.4% (0.9–4%)	59666	4.3% (2.8–5.8%)
University degree	62476	4.8% (3.4–6.3%)	50017	3.2% (1.9–4.4%)	112023	3.9% (3.0–4.9%)
Remoteness						
Major cities	230837	6.4% (4.9–7.8%)	102490	3.0% (1.9–4.2%)	332459	4.8% (3.9–5.8%)
Inner regional	76091	8.9% (5.8–11.9%)	30003	3.7% (1.3–6.1%)	105846	6.5% (4.5–8.5%)
Outer regional	62170	14.3% (9.3–19.2%)	23242	6.0% (1.8–10.2%)	85221	10.6% (7.2–14.0%)
Remote/very remote	9585	8.1% (0.5–15.6%)	632	0.7% (0.0–3.6%)	10217	5.0% (0.2–9.8%)
Occupational group						
Office	14070	4.3% (1.0–7.6%)	34475	3.3% (1.3–5.2%)	48340	3.5% (1.9–5.2%)
IT/engineering	46036	9.0% (5.3–12.8%)	6010	3.3% (0.0–7.4%)	51827	7.6% (4.5–10.6%)
Managers	32191	6.4% (2.9–9.9%)	14379	5.7% (0.7–10.7%)	46374	6.1% (3.3–9.0%)
Professionals	11967	3.6% (0.5–6.7%)	12918	3.3% (0.5–6.1%)	24781	3.4% (1.4–5.5%)
Education	2905	2.2% (0.0–5.8%)	10380	3.1% (0.3–5.8%)	13228	2.8% (0.6–5.0%)
Farming	22953	15.2% (7.9–22.4%)	2248	3.8% (0.0–12.4%)	25095	12.1% (5.9–18.4%)
Hospitality/entertainment	16727	3.5% (0.2–6.9%)	23568	4.9% (0.7–9.0%)	40125	4.2% (1.5–6.8%)
Retail	23940	7.1% (1.8–12.5%)	23477	4.5% (0.7–9.0%)	47217	5.6% (2.4–8.7%)
Personal service	14996	5.9% (0.6–11.1%)	2995	1.1% (0.0–3.7%)	17915	3.5% (0.5–6.6%)

	Men		Women		Total	
	N	% (95% CI)	N	% (95% CI)	N	% (95% CI)
Construction	25430	4.7% (7.8–19.6%)	555	1.3% (0.0–11.3%)	25876	4.5% (1.0 – 8.0%)
Drivers	59149	13.7% (7.8–19.6%)	0	—	58900	13.0% (7.3–18.6%)
Automotive	46600	16.9% (9.9–23.9%)	1309	10.7% (0.0–61.9%)	47707	16.7% (9.5–23.8%)
Other trades	44226	14.2% (7.7–20.7%)	1814	1.3% (0.0–6.4%)	45846	10.4% (4.6–16.2%)
Machine operators	10599	4.4% (0.0–9.1%)	4291	9.4% (0.0–25.7%)	14827	5.1% (0.4–9.9%)
Health	4227	2.0% (0.0–9.1%)	14910	1.8% (0.1–3.5%)	19056	1.8% (0.3–3.3%)
Region of birth						
Africa	1362	1.4% (0.0–5.6%)	2879	4.6% (0.0–14.2%)	4224	2.6% (0.0–7.1%)
Asia	11702	1.7% (0.0–3.5%)	7352	1.4% (0.0–3.3%)	18973	1.5% (0.2–2.9%)
Australia & New Zealand	312950	9.0% (7.4–10.5%)	120988	3.7% (2.4–4.9%)	432049	6.5% (5.5–7.5%)
Europe	48702	8.1% (3.9–12.2%)	14569	2.4% (0.0–4.9%)	62993	5.3% (2.8–7.8%)
Other	1541	1.1% (0.0–4.7%)	9169	6.6% (0.0–14.1%)	10669	3.6% (0.0–8.1%)
Current smoker						
No	316404	7.5% (6.1–8.8%)	128239	3.1% (2.1–4.1%)	442772	5.4% (4.5–6.3%)
Yes	59611	7.4% (3.9–10.8%)	25089	4.9% (1.1–8.6%)	84344	6.4% (3.9–9.0%)
Size of business						
1 person	25999	8.1% (3.3–13.0%)	12117	5.3% (0.0– 11.5%)	37970	7.0% (3.1–10.9%)
2-5 people	54468	9.3% (5.2–13.5%)	9643	2.0% (0.0–4.6%)	63897	6.2% (3.4–8.9%)
6-19 people	56654	5.7% (3.0–8.5%)	41463	4.5% (1.8–7.2%)	97714	5.2% (3.3–7.1%)
20-200 people	106159	6.7% (4.5–8.9%)	44280	3.1% (1.4–4.8%)	149875	5.1% (3.7–6.5%)
200+ people	135771	8.7% (6.4–10.9%)	47499	2.9% (1.4–4.4%)	182602	5.9% (4.5–7.3%)

Table 5. Adjusted prevalence and estimated numbers of people with any tinnitus in the Australian workforce, by demographic factors and worker characteristics, stratified by sex

	Men		Women		Total	
	n	% (95% CI)	n	% (95% CI)	n	% (95% CI)
	1440277	28.6% (26.4–30.7%)	967597	20.7% (18.5–23.0%)	2407874	24.8% (23.2–26.4%)
Age group						
18-24	135399	21.2% (14.9–27.4%)	157601	25.1% (18.0–32.1%)	293000	23.0% (18.3–27.7%)
25-34	307016	24.6% (19.7–29.5%)	177511	15.8% (11.3–20.4%)	484528	20.6% (17.3–24.0%)
35-44	357717	29.9% (25.4–34.3%)	227490	21.0% (16.4–25.7%)	58274458 5207	25.9% (22.6–29.1%)
45-54	366201	32.2% (28.1–36.3%)	227028	20.7% (16.6–24.8%)	59073359 3230	26.8% (23.9–29.7%)
55-64	273945	33.4% (29.0–37.7%)	177966	24.1% (18.5–29.6%)	45000945 1911	29.2% (25.7–32.7%)
Education						
Year 10 or below	159695	32.6% (25.9–39.4%)	80770	18.3% (11.8–24.8%)	239504	26.1% (21.3–31.0%)
Year 11 or 12	320685	25.1% (20.5–29.7%)	282990	21.8% (17.1–26.5%)	601125	23.5% (20.3–26.8%)
Trade or apprenticeship	514876	37.1% (31.7–42.4%)	113722	22.4% (10.8–34.1%)	626257	33.4% (28.3–38.5%)
Diploma	150848	25.4% (20.5–30.3%)	178997	21.3% (17.3–25.4%)	328410	23.1% (20.0–26.2%)
University degree	304748	23.6% (20.6–26.5%)	319319	20.2% (17.4 - 23)	621384	21.8% (19.7–23.8%)
Remoteness						
Major cities	933556	25.7% (23.2–28.3%)	645431	19.1% (16.5–21.8%)	1573186	22.7% (20.9–24.6%)
Inner regional	297927	34.7% (29.6–39.7%)	214199	26.4% (20.9–31.9%)	510193	30.8% (27.1–34.6%)
Outer regional	171916	39.5% (32.5–46.4%)	87536	22.6% (15.2% – 30.0%)	258695	31.9% (26.7–37.1%)
Remote/very remote	38012	32.0% (19.1–44.9%)	8899	9.6% (0.0–20.1%)	46848	22.7% (13.5–31.9%)
Occupational group						
Office	75207	22.9% (16.0–29.8%)	194690	18.6% (14.3–22.8%)	268761	19.7% (16.0–23.3%)
IT/engineering	139804	27.4% (21.5–33.2%)	31595	17.1% (8.2–26.0%)	170678	24.8% (19.9–29.8%)
Managers	141410	28.0% (21.5–34.5%)	48912	19.2% (10.7–27.8%)	189522	25.2% (20.0–30.4%)
Professionals	71787	21.5% (14.7–28.3%)	96277	24.7% (17.9–31.5%)	167356	23.2% (18.4–28.0%)
Education	26147	19.7% (9.9–29.5%)	87971	26.1% (19.0–33.1%)	113638	24.2% (18.4–29.9%)
Farming	51895	34.3% (24.7–43.9%)	15553	26.0% (6.1–46.0%)	67164	32.1% (23.1–41.0%)
Hospitality/entertainment	119534	25.1% (17.2–33.0%)	105160	21.7% (13.8–29.6%)	223748	23.4% (17.9–29.0%)
Retail	75146	22.3% (13.7–31.0%)	131449	25.0% (17.2–32.8%)	205725	23.9% (18.1–29.7%)
Personal service	68502	26.7% (16.9–36.6%)	57241	21.5% (11.3–31.6%)	125214	24.2% (17.1–31.3%)

	Men		Women		Total	
	n	% (95% CI)	n	% (95% CI)	n	% (95% CI)
Construction	173110	32.0% (23.9 - 40)	555	1.3 (0.0–11.3%)	172935	29.9% (22.2–37.7%)
Drivers	141555	32.9% (24.8–40.9%)	11014	39.8 (0.0–80.8%)	151926	33.3% (25.3–41.2%)
Automotive	120977	43.9% (34.6–53.2%)	1309	10.7% (0.0–61.9%)	121771	42.6% (33.2–52.1%)
Other trades	126860	40.8% (31.6–49.9%)	14172	10.0% (0.0–23.8%)	140438	31.7% (22.9–40.5%)
Machine operators	60052	24.9% (14.9–34.9%)	17150	37.7% (10.7–64.7%)	76877	26.8% (17.3–36.3%)
Health	48294	22.9% (14.2–31.5%)	154550	18.3% (13.3–23.2%)	201990	19.2% (14.9–23.6%)
Region of birth						
Africa	10942	11.5% (0.2–22.7%)	8208	13.1% (0.0–28.5)	19068	12.1% (3.0–21.2%)
Asia	69197	9.8% (5.4–14.2%)	44254	8.2% (3.6–12.7%)	112967	9.1% (6.0–12.3%)
Australia & New Zealand	1174435	33.6% (31.1–36.2%)	781173	23.6% (20.9–26.4%)	1947285	29.0% (27.1–30.9%)
Europe	169059	28.0% (21.2–34.8%)	110928	17.9% (11.6–24.3%)	278795	23.1% (18.4–27.8%)
Other	21339	14.6% (1.9–27.3%)	31599	22.8% (10.2–35.3%)	52721	18.4% (9.2–27.6%)
Current smoker						
No	1222047	28.9% (26.5–31.2%)	823922	19.8% (17.5–22.2%)	2037361	24.6% (22.9–26.3%)
Yes	218230	27.0% (21.1–32.8%)	143675	27.9% (20.1–35.7%)	360382	27.3% (22.6–32.0%)
Size of business						
1 person	105027	32.8% (24.5–41.1%)	52897	22.9% (11.2–34.7%)	157315	28.9% (21.9–35.9%)
2-5 people	227824	39.0% (32.1% – 46.0%)	69351	14.4% (7.8–21.0%)	296113	28.4% (23.3–33.6%)
6-19 people	249736	25.3% (20.2–30.4%)	195958	21.4% (16.1–26.7%)	443843	23.5% (19.8–27.2%)
20-200 people	390727	24.7% (20.9–28.5%)	276826	19.5% (15.7–23.4%)	664827	22.4% (19.6–25.1%)
200+ people	467202	29.8% (26.1–33.4%)	379785	23.4% (19.7–27.2%)	843449	26.7% (24.0–29.3%)

IT: Information technology.

Table 6. Constant tinnitus and any tinnitus and demographic and occupational factors, by sex and adjusted for all other variables in model (2681 men, 2289 women): adjusted odds ratios with 95% confidence intervals

	Any tinnitus			Constant tinnitus		
	Men	Women	All	Men	Women	All
SEX						
WOMEN			1			1
MEN			1.42 (1.22–1.66)			1.57 (1.18–2.08)
AGE GROUP						
18-24	1	1	1	1	1	1
25-34	1.33 (0.88–1.99)	0.68 (0.43–1.07)	1.00 (0.74–1.35)	10.0 (1.32–76.8)	0.68 (0.09–4.95)	3.80 (1.11–13.1)
35-44	1.66 (1.14–2.43)	0.98 (0.65–1.48)	1.32 (1.00–1.74)	13.8 (1.86–102)	4.78 (1.08–21.2)	7.55 (2.33–24.5)
45-54	1.60 (1.11–2.32)	0.82 (0.55–1.21)	1.20 (0.92–1.57)	25.4 (3.47–185)	6.44 (1.51–27.5)	12.4 (3.90–39.7)
55-64	1.77 (1.22–2.57)	0.86 (0.57–1.29)	1.30 (0.99–1.70)	43.1 (5.93–314)	6.81 (1.58–29.3)	18.5 (5.80–58.8)
EDUCATION						
HIGH SCHOOL	1	1	1	1	1	1
TRADE OR APPRENTICESHIP	1.28 (0.96–1.70)	1.01 (0.47–2.17)	1.31 (1.01–1.69)	1.53 (1.00–2.34)	0.64 (0.13–3.05)	1.39 (0.94–2.06)
DIPLOMA/UNIVERSITY	1.13 (0.89–1.43)	1.18 (0.90–1.55)	1.14 (0.96–1.37)	1.27 (0.86–1.85)	0.97 (0.57–1.65)	1.14 (0.84–1.55)
REMOTENESS						
MAJOR CITIES	1	1	1	1	1	1
REGIONAL AND REMOTE	1.33 (1.10–1.62)	1.08 (0.86–1.35)	1.22 (1.05–1.41)	1.23 (0.90–1.67)	1 (0.64–1.58)	1.18 (0.92–1.51)
OCCUPATIONAL GROUP						
OFFICE	1	1	1	1	1	1
IT/ENGINEERING	1.28 (0.87–1.89)	1.22 (0.71–2.09)	1.31 (0.99–1.75)	2.39 (1.17–4.86)	1.04 (0.30–3.67)	2.16 (1.29–3.62)
MANAGERS	0.91 (0.61–1.36)	1.11 (0.73–1.71)	1.01 (0.76–1.33)	1.55 (0.75–3.21)	1.89 (0.89–4.06)	1.58 (0.95–2.61)
PROFESSIONALS	1.07 (0.70–1.66)	1.33 (0.91–1.94)	1.21 (0.92–1.61)	1.11 (0.48–2.58)	1.75 (0.81–3.76)	1.31 (0.75–2.30)
EDUCATION	0.69 (0.38–1.24)	1.34 (0.91–1.98)	1.09 (0.79–1.50)	0.51 (0.14–1.91)	0.96 (0.40–2.31)	0.73 (0.36–1.50)
FARMING	1.06 (0.65–1.76)	0.64 (0.26–1.59)	1.08 (0.73–1.60)	3.19 (1.40–7.28)	0.99 (0.21–4.62)	2.46 (1.32–4.56)

	Any tinnitus			Constant tinnitus		
	Men	Women	All	Men	Women	All
HOSPITALITY	1.13 (0.71–1.81)	1.22 (0.79–1.90)	1.20 (0.88–1.64)	0.93 (0.34–2.51)	2.42 (1.10–5.32)	1.41 (0.76–2.61)
RETAIL	1.19 (0.70–2.03)	1.21 (0.79–1.86)	1.21 (0.86–1.68)	2.37 (0.89–6.28)	1.19 (0.46–3.09)	1.67 (0.86–3.26)
PERSONAL SERVICE	1.13 (0.66–1.94)	1.04 (0.59–1.81)	1.12 (0.77–1.63)	2.15 (0.86–5.36)	0.54 (0.12–2.38)	1.47 (0.72–2.97)
CONSTRUCTION	1.27 (0.80–2.02)	0.25 (0.03–1.99)	1.24 (0.85–1.81)	1.51 (0.63–3.64)	2.05 (0.24–17.41)	1.40 (0.69–2.86)
DRIVERS	1.56 (1.00–2.44)	1.12 (0.30–4.22)	1.64 (1.14–2.36)	2.96 (1.39–6.32)	NA*	2.74 (1.52–4.92)
AUTOMOTIVE	1.70 (1.03–2.78)	1.93 (0.17–22.0)	1.79 (1.17–2.74)	3.76 (1.66–8.49)	13.9 (1.08–179)	3.65 (1.91–6.99)
OTHER TRADES	1.46 (0.93–2.37)	1.59 (0.79–3.21)	1.54 (1.08–2.21)	2.72 (1.22–6.04)	1.37 (0.30–6.31)	2.35 (1.28–4.32)
MACHINE OPERATORS	0.98 (0.56–1.72)	1.69 (0.67–4.30)	1.15 (0.73–1.82)	1.24 (0.45–3.40)	8.06 (2.51–25.8)	1.93 (0.92–4.04)
HEALTH	0.98 (0.59–1.62)	1.06 (0.76–1.49)	1.03 (0.78–1.36)	0.88 (0.33–2.39)	0.90 (0.42–1.92)	0.80 (0.44–1.46)
REGION OF BIRTH						
AUSTRALIA/NZ	1	1	1	1	1	1
ASIA	0.25 (0.17–0.39)	0.26 (0.15–0.46)	0.26 (0.18–0.36)	0.26 (0.10–0.64)	0.23 (0.05–0.98)	0.26 (0.12–0.56)
AFRICA	0.31 (0.12–0.75)	0.82 (0.35–1.95)	0.47 (0.26–0.87)	0.27 (0.04–1.98)	1.37 (0.31–6.03)	0.56 (0.17–1.80)
EUROPE AND OTHER	0.79 (0.60–1.04)	0.80 (0.59–1.10)	0.79 (0.65–0.98)	0.72 (0.45–1.12)	0.65 (0.33–1.30)	0.69 (0.48–1.01)
CURRENT SMOKER						
NO	1	1	1	1	1	1
YES	1.00 (0.77–1.30)	1.47 (1.07–2.02)	1.15 (0.94–1.40)	1.13 (0.75–1.69)	1.12 (0.59–2.11)	1.14 (0.81–1.59)
BUSINESS SIZE						
SMALL (= <19 PEOPLE)	1	1	1	1	1	1
MEDIUM (20–200 PEOPLE)	0.85 (0.68–1.06)	0.92 (0.70–1.20)	0.88 (0.74–1.05)	1.09 (0.75–1.58)	0.76 (0.45–1.31)	1.00 (0.73–1.35)
LARGE (200+ PEOPLE)	1.09 (0.87–1.35)	1.18 (0.92–1.53)	1.13 (0.96–1.33)	1.36 (0.95–1.93)	0.70 (0.42–1.17)	1.13 (0.85–1.51)

*Excluded from the model (OR = 1) as there were no women drivers with constant tinnitus in the sample (n=0).

Those who were categorised as having no tinnitus were the reference group for any tinnitus. Those who were categorised as having intermittent, occasional or no tinnitus were the reference group for those with constant tinnitus.

Figure 1. Estimated prevalence of any and constant tinnitus in the Australian working population (with 95% CIs), by occupation and sex

