



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: Lennon M, Kennedy R, Ryan H, et al. Changes in the proportions of authors who were women in Australian medical journals, 2005–2018. *Med J Aust* 2021; doi: 10.5694/mja2.50998.

Table 1. Poisson regression analysis of women as first and last authors including all identified first and last authors, over time

Journal	First Authorship			Last Authorship		
	<i>B</i>	Standard error	<i>P</i>	<i>B</i>	Standard error	<i>P</i>
Australian and New Zealand Journal of Surgery (ANZJOS)	0.040	0.0070	<0.001	0.005	0.0088	0.59
Australian and New Zealand Journal of Public Health (ANZJPH)	0.016	0.0083	0.048	0.009	0.0093	0.33
Australian Family Physician (AFP) (from 2018: Australian Journal of General Practice)	-0.003	0.0070	0.71	-0.004	0.0076	0.56
Emergency Medicine Australasia (EMA)	0.048	0.0130	<0.001	0.024	0.0125	0.06
Journal of Paediatrics and Child Health (JPCH)	0.022	0.0067	0.001	0.024	0.0079	0.003
Australian and New Zealand Journal of Obstetrics and Gynaecology (ANZJOG)	0.020	0.0079	0.010	0.044	0.0094	<0.001
Australian and New Zealand Journal of Psychiatry (ANZJP)	0.017	0.0086	0.046	0.012	0.0096	0.20
Medical Journal of Australia (MJA)	0.020	0.0055	<0.001	0.024	0.0060	<0.001
All journals	0.009	0.0026	<0.001	0.002	0.0029	0.53

Table 2. Linear regression of the relationship between the gender of the first and last authors and the number of authors during 2005–2018 in the eight included journals

	First Author			Last Author		
	<i>B</i>	Standard error	<i>P</i>	<i>B</i>	Standard error	<i>P</i>
Gender of author	0.504	0.030	<0.001	0.065	0.033	0.045

Table 3. Linear regression analysis of the relationship between the gender of the first and last authors and the number of authors, including an interaction term for year of publication

	First Author			Last Author		
	<i>B</i>	Standard error	<i>P</i>	<i>B</i>	Standard error	<i>P</i>
Gender of author	0.390	0.061	<0.001	-0.010	0.065	0.88
Time (years)	0.068	0.005	<0.001	0.072	0.004	<0.001
Gender*time	0.014	0.008	0.06	0.010	0.008	0.20

Table 4. Numbers of first authors (women/men) and proportion of women as first authors, by journal and year, 2005–2018

	ANZJOS	ANZJPH	AFP	EMA	JPCH	ANZJOG	ANZJP	MJA	Eight journals
2005	46/212 (18%)	49/50 (50%)	116/112 (50.8%)	15/62 (20%)	48/116 (29%)	67/81 (45%)	46/124 (27%)	135/321 (29.6%)	522/1078 (32.6%)
2006	41/186 (18%)	63/51 (55%)	105/154 (40.5%)	15/48 (24%)	82/97 (46%)	67/63 (52%)	40/110 (27%)	161/303 (34.7%)	574/1012 (36.2%)
2007	29/224 (12%)	52/37 (58%)	129/136 (48.6%)	17/69 (20%)	74/93 (44%)	35/63 (36%)	47/92 (34%)	173/303 (36.3%)	555/1018 (35.3%)
2008	80/404 (16%)	74/54 (58%)	115/97 (54%)	21/59 (26%)	74/83 (47%)	54/60 (47%)	53/114 (32%)	170/307 (35.6%)	640/1179 (35.2%)
2009	77/419 (16%)	63/42 (60%)	96/98 (49%)	18/53 (25%)	72/101 (42%)	58/68 (46%)	48/95 (34%)	183/332 (35.5%)	614/1209 (33.7%)
2010	72/417 (15%)	73/67 (52%)	106/99 (52%)	23/51 (31%)	65/101 (39%)	46/55 (46%)	51/97 (35%)	182/299 (37.8%)	619/1185 (34.3%)
2011	94/397 (19%)	58/52 (53%)	103/104 (49.7%)	25/65 (28%)	100/116 (46.3%)	53/62 (46%)	61/121 (34%)	197/307 (39.1%)	691/1224 (36.1%)
2012	101/421 (19.3%)	57/57 (50%)	91/108 (46%)	27/67 (29%)	115/161 (41.7%)	63/55 (53%)	78/137 (36%)	174/316 (35.5%)	706/1322 (34.8%)
2013	106/438 (19.5%)	58/41 (59%)	94/120 (44%)	32/79 (29%)	177/152 (53.8%)	61/45 (58%)	93/176 (35%)	202/305 (39.8%)	824/1355 (37.8%)
2014	102/434 (19%)	75/63 (55%)	93/102 (48%)	37/79 (32%)	115/117 (49.6%)	63/57 (53%)	64/147 (30%)	186/283 (39.7%)	734/1283 (36.4%)
2015	107/420 (20.3%)	63/43 (59%)	63/80 (44%)	33/74 (31%)	122/148 (45.2%)	67/56 (55%)	82/145 (36%)	162/251 (39.2%)	699/1217 (36.5%)
2016	115/441 (20.7%)	95/40 (70%)	80/82 (49%)	44/79 (36%)	115/141 (44.9%)	53/54 (50%)	84/136 (38%)	152/204 (42.7%)	737/1178 (38.5%)
2017	190/560 (25.3%)	71/33 (68%)	70/69 (50%)	37/83 (31%)	129/143 (47.4%)	74/56 (57%)	78/163 (32%)	114/185 (38.1%)	762/1293 (37.1%)
2018	267/850 (23.9%)	63/35 (64%)	58/73 (44%)	55/68 (45%)	182/135 (57.4%)	76/62 (55%)	72/115 (39%)	125/155 (44.6%)	899/1492 (37.6%)
Total	1428/5822 (19.7%)	922/674 (57.8%)	1319/1434 (47.9%)	399/936 (29.9%)	1470/1704 (46.3%)	879/859 (50.6%)	897/1772 (33.6%)	2314/3873 (37.4%)	9584/17037 (36%)

Table 5. Numbers of last authors (women/men) and proportion of women as last authors, by journal and year, 2005–2018

	ANZIOS	ANZJPH	AFP	EMA	JPCH	ANZJOG	ANZJP	MJA	Eight journals
2005	41/215 (16%)	47/40 (54%)	95/127 (43%)	18/81 (18%)	27/66 (29%)	43/102 (30%)	33/128 (21%)	120/334 (26.4%)	423/1094 (27.9%)
2006	28/192 (13%)	41/68 (38%)	97/157 (39%)	19/56 (25%)	65/112 (37%)	46/82 (36%)	30/114 (21%)	136/329 (29.2%)	462/1110 (29.4%)
2007	22/232 (9%)	43/43 (50%)	114/147 (43.7%)	20/80 (20%)	60/113 (35%)	21/73 (22%)	37/102 (27%)	131/346 (27.5%)	448/1136 (28.3%)
2008	37/436 (8%)	59/67 (47%)	91/117 (44%)	30/61 (33%)	53/102 (34%)	35/73 (32%)	49/118 (29%)	137/343 (28.5%)	492/1316 (27.2%)
2009	60/430 (12%)	56/49 (53%)	86/111 (44%)	17/58 (23%)	52/123 (30%)	33/93 (26%)	39/103 (28%)	148/371 (28.5%)	490/1339 (26.8%)
2010	54/452 (11%)	58/84 (41%)	88/117 (43%)	21/62 (25%)	55/111 (33%)	26/74 (26%)	51/99 (34%)	137/344 (28.5%)	489/1344 (26.7%)
2011	55/445 (11%)	47/64 (42%)	96/109 (47%)	23/83 (22%)	85/134 (39%)	44/76 (37%)	51/132 (28%)	138/370 (27.2%)	539/1413 (27.6%)
2012	62/458 (12%)	50/63 (44%)	69/130 (35%)	24/82 (23%)	89/186 (32%)	51/67 (43%)	54/163 (25%)	146/343 (29.9%)	546/1491 (26.8%)
2013	70/484 (13%)	47/51 (48%)	76/140 (35%)	37/95 (28%)	120/208 (36.6%)	37/69 (35%)	81/193 (30%)	172/338 (33.7%)	641/1577 (28.9%)
2014	70/484 (13%)	70/67 (51%)	84/114 (42%)	28/107 (21%)	78/155 (34%)	38/83 (31%)	50/163 (24%)	169/303 (35.8%)	588/1475 (28.5%)
2015	60/478 (11%)	47/61 (44%)	65/86 (43%)	25/103 (20%)	105/170 (38%)	57/73 (44%)	62/166 (27%)	136/275 (33.1%)	557/1412 (28.3%)
2016	66/504 (12%)	72/62 (54%)	65/97 (40%)	53/95 (36%)	95/163 (37%)	49/62 (44%)	60/157 (28%)	134/227 (37.1%)	594/1367 (30.3%)
2017	98/658 (13%)	54/51 (51%)	52/90 (37%)	39/110 (26%)	115/163 (41.4%)	57/73 (44%)	70/165 (30%)	97/202 (32%)	582/1512 (27.8%)
2018	131/1019 (11.4%)	61/57 (52%)	58/73 (44%)	49/105 (32%)	148/165 (47.3%)	106/99 (52%)	51/130 (28%)	102/181 (36%)	707/1828 (27.9%)
Total	852/6489 (11.6%)	752/827 (47.6%)	1136/1615 (41.3%)	403/1178 (25.5%)	1147/1971 (36.8%)	643/1099 (36.9%)	718/1933 (27.1%)	1900/4309 (30.6%)	7552/19420 (28%)