



Appendix 2

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

Appendix to: Kondalsamy-Chennakesavan S, Eley DS, Ranmuthugala G, et al. Determinants of rural practice: positive interaction between rural background and rural undergraduate training. *Med J Aust* 2015; 202: 41-45. doi: 10.5694/ mja14.00236.

Appendix 2. Association of exposures with rural practice

Parameter	OR	95% CI		p
Age, each year increment	1.03	1.01	1.06	0.014
Females <i>versus</i> Males	0.87	0.63	1.2	0.385
<u>Duration of residence in a rural area (years)</u>				
<5 (Metro background)	Ref			
≥5 (Rural background ^a)	3.07	2.19	4.29	<0.001
1 to <5	1.47	0.78	2.77	0.228
5 to <10	2.57	1.52	4.35	<0.001
10 to <15	3.23	2.10	4.97	<0.001
≥15	4.65	2.43	8.89	<0.001
<u>Degree of rurality</u>				
Metro background	Ref			
RA 2-3 (regional)	2.78	1.81	4.28	<0.001
RA 4-5 (remote)	3.36	2.21	5.1	<0.001
<u>Parental rural background</u>				
Father	3.12	2.22	4.38	<0.001
Mother	2.80	1.99	3.94	<0.001
<u>Partner's background</u>				
Metro	Ref			
Rural	4.67	3.1	7.04	<0.001
Not applicable/Single	2.07	1.38	3.1	<0.001
<u>Boarding</u>				
Primary school	2.72	0.54	13.59	0.223
High school	1.84	1.06	3.2	0.031
<u>Scholarships</u>				
Any scholarship	2.39	1.69	3.38	<0.001
Bonded scholarships including defence force	3.37	2.2	5.18	<0.001
Bonded scholarships excluding defence force	3.84	2.39	6.16	<0.001
<u>Other exposures</u>				
Membership of Rural Health Club	2.62	1.86	3.68	<0.001
Gap year after high school	1.21	0.7	2.07	0.499
<u>Clinical School attended</u>				
MCS ^b	Ref			
UQRCS ^c ≥1 year	3.08	2.21	4.29	<0.001
UQRCS 1 year	2.25	1.52	3.34	<0.001
UQRCS 2 years	4.81	3.1	7.46	<0.001
<u>UQRCS exposure, by year(s) of medical course</u>				
MCS	Ref			
Year 3 only	2.13	1.4	3.24	<0.001
Year 4 only	3.08	1.33	7.16	0.009
Years 3 and 4	4.81	3.1	7.46	<0.001
<u>Time-period of graduation</u>				
Graduated 2007-2012 vs 2002-2006	1.2	0.86	1.67	0.283

^aRural background: From primary school, at least 5 years spent in Australia in an area classified as RA2-5 prior to commencing medical course.

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^cUniversity of Queensland Rural Clinical School