



## **Supporting Information**

### **Supplementary tables**

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

Appendix to: Ogden J, Preston S, Partanen RL, et al. Recruiting and retaining general practitioners in rural practice: systematic review and meta-analysis of rural pipeline effects. *Med J Aust* 2020; doi: 10.5694/mja2.50697.

**Table 1. Sample search strategy**

<b>MEDLINE (Ovid) search strategy</b>	<b>Results</b>	<b>Type</b>
exp General Practitioners	6471	Advanced
(General practitioner* or GP*).tw.	214348	Advanced
(rural adj3 physician*).tw.	1529	Advanced
Physician*.tw.	522756	Advanced
MD.tw.	56552	Advanced
Medical practit*.tw.	5573	Advanced
(Family adj2 (doctor* or residen*)).tw.	8661	Advanced
Graduate*.tw	76663	Advanced
or/1-8	842808	Advanced
Family practice residen*.tw.	1430	Advanced
Rural emphasis or rural mission.tw.	45	Advanced
Metropolitan.tw.	24635	Advanced
(Rural or non-metro*) AND communit* or location*).tw.	44688	Advanced
(Community adj3 size).tw.	864	Advanced
Underserved.tw.	13197	Advanced
(Ambulatory adj3 training).tw.	334	Advanced
(Rural adj3 raised).tw.	64	Advanced
Rural and (background or origin).tw.	27615	Advanced
Rural setting*.tw.	3664	Advanced
(Rural or community*) and program*.tw.	109958	Advanced
(rural adj3 (train* or placement* or educat* or postgraduate or vocational or undergraduate or curriculum or student or residen* or term* or track or exposure or experience or clerkship* or internship* or rotation*).tw.	10273	Advanced
or/10-21	195539	Advanced
(Rural adj3 practic*).tw	3928	Advanced
(rural adj3 locat*).tw.	2976	Advanced
(rural adj2 workforce).tw.	353	Advanced
(Practice adj3 location*).tw.	4058	Advanced
Community health cent*.tw.	8985	Advanced
Health professions shortage area*.tw.	13	Advanced
(Rural or non-metropolitan) and area*.tw.	58781	Advanced
(Practic* adj3 rural communit*).tw.	194	Advanced
Health professions shortage area*.tw	13	Advanced
(Rural adj3 (retention or retain* or recruit*)).tw	960	Advanced
or/23-32	74439	Advanced
9 and 22 and 33	6702	Advanced

**Table 2. Newcastle–Ottawa Scale (NOS) quality appraisal of included studies**

Study (nation)	Selection	Comparability	Outcome	Total (rating)
Strasser 1992 <sup>1</sup> (AU)	***		**	5 (Good)
Potter 1995 <sup>2</sup> (US)	***		**	5 (Good)
Fryer 1997 <sup>3</sup> (US)	***		**	5 (Good)
Easterbrook <sup>4</sup> (CA) 1999	**	*	**	5 (Good)
Rabinowitz 1999 <sup>5</sup> (US)	***		***	6 (Good)
Wilkinson 2000 <sup>6</sup> (AU)	***	*	***	7 (Very good)
Laven 2003 <sup>7</sup> (AU)	****		*	5 (Good)
Wilkinson 2003 <sup>8</sup> (AU)	****		*	5 (Good)
Peach 2004 <sup>9</sup> (AU)	***	*	***	7 (Very good)
Woloschuk 2004 <sup>10</sup> (CA)	*		*	2 (Unsatisfactory)
Laven 2005 <sup>11</sup> (AU)	****	*	**	7 (Very good)
Nocella 2005 <sup>12</sup> (US)	***	*	***	7 (Very good)
Pacheco 2005 <sup>13</sup> (US)	***		***	6 (Good)
Rourke 2005 <sup>14</sup> (CA)	***	*	**	6 (Good)
Woloschuk 2005 <sup>15</sup> (CA)	**		**	4 (Satisfactory)
Wade 2007 <sup>16</sup> (US)	****	*	***	8 (Very good)
Mathews 2008 <sup>17</sup> (CA)	****		***	7 (Very good)
Ferguson 2009 <sup>18</sup> (US)	**		**	4 (Satisfactory)
Chen 2010 <sup>19</sup> (US)	****		**	6 (Good)
McGrail 2011 <sup>20</sup> (AU)	****	*	**	7 (Very good)
Orzanco 2011 <sup>21</sup> (CA)	****	*	**	7 (Very good)
Jamieson 2013 <sup>22</sup> (CA)	***		**	5 (Good)
Petrany 2013 <sup>23</sup> (US)	***	*	**	6 (Good)
Rabinowitz 2013 <sup>24</sup> (US)	***		***	6 (Good)
McGrail 2016 <sup>25</sup> (AU)	****		**	7 (Very good)
Myhre 2016 <sup>26</sup> (CA)	***	*	***	7 (Very good)
Nelson 2017 <sup>27</sup> (US)	***		***	6 (Good)

Selection refers to the selection of the exposed and non-exposed cohort. A maximum of four stars could be assigned for this category. Comparability referred to whether the study controlled for important confounding factors. It was possible for only one star to be assigned in this category. A maximum of three stars could be assigned to the outcome category which referred to how the outcome variable was assessed.

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