

*Appendix to Birgit Abelsen, Anette Fosse, Margrete Gaski and Hilde Grimstad. Educational interventions to ensure the provision of doctors in rural areas – a systematic review. Journal of the Norwegian Medical Association 2022; 142. doi: 10.4045/tidsskr.21.0253.*

*This appendix is a supplement to the article and has not been editorially processed.*

## Appendix 1 Search strategies for Cinahl, ERIC, Medline and PsycInfo

Cinahl	
S1	(MH "Rural Areas")
S2	(MH "Medically Underserved Area")
S3	(MH "Rural Health Services")
S4	(rural N4 (area* OR communit*)) OR (Remote N4 (area* OR communit*)) OR (Underserved N4 (area* OR communit*))
S5	TI regional OR AB regional
S6	S1 OR S2 OR S3 OR S4 OR S5
S7	(MH "Physicians+") OR (MH "Nurses")
S8	(MH "New Graduate Nurses")
S9	physician* OR nurse*
S10	workforce N4 (supply OR health OR nurse* OR physician* OR medical))
S11	TI graduate* OR AB graduate*
S12	S7 OR S8 OR S9 OR S10 OR S11
S13	S6 AND S12
S14	(MH "Personnel Retention")
S15	(MH "Personnel Turnover")
S16	(retention OR retain*) OR turnover OR (career N4 choice) OR (transition N4 support) OR recruit*
S17	S14 OR S15 OR S16
ERIC	
S1	DE "Rural Areas"
S2	rural AND (area* OR communit*)
S3	rural N3 (area* OR communit*)
S4	(rural N3 (area* OR communit*)) OR (Remote N3 (area* OR communit*)) OR (Underserved N3 (area* OR communit*)) OR Rural Health Services OR regional
S5	S1 OR S4
S6	DE "Physicians"

S7	physician* OR nurse*
S8	Workforce AND (Supply OR health OR nurs* OR physician* OR medical*)
S9	graduate* N4 (nurse* OR physician* OR medical)
S10	S7 OR S8 OR S9
S11	S5 AND S10
S12	(retention OR retain*) OR turnover OR (career N3 choice) OR transition OR recruit*
S13	S11 AND S12
<b>Medline</b>	
1.	exp Rural Health Services/
2.	(rural adj3 (area* or communit*)).ab,kw.
3.	(remote adj4 (area* or communit*)).ab,kw.
4.	exp Medically Underserved Area/
5.	(underserved adj4 (area* or communit*)).ab,kw.
6.	(rural or remote or underserved).ti.
7.	OR/1-6
8.	exp Physicians/
9.	exp Nurses/
10.	((medical or physician* or nurs*) adj2 graduate*).mp.
11.	exp Health Workforce/
12.	(workforce adj3 (medical or health or supply or nurs*)).mp.
13.	OR/8-12
14.	7 and 13
15.	exp Career Choice/
16.	(transition adj3 support*).ti,ab,kw.
17.	(recruit* or retain* or retention or turnover).ti,ab,kw.
18.	(career adj3 choice).ti,ab,kw.
19.	OR/15-18
20.	14 and 19
<b>PsycInfo</b>	
1.	Rural Health Services.mp.
2.	(rural adj3 (area* or communit*)).ab.
3.	(remote adj4 (area* or communit*)).ab.

4. (underserved adj4 (area* or communit*)).ab.
5. (rural or remote or underserved).ti.
6. OR/1-5
7. exp Physicians/
8. exp Nurses/
9. ((medical or physician* or nurs* or health) adj2 graduate*).mp.
10. (workforce adj3 (medical or health or supply or nurs*)).mp.
11. OR/7-10
12. 6 and 11
13. exp Occupational Choice/
14. (career adj3 choice).mp.
15. (transition adj3 support*).mp.
16. (recruit* or retain* or retention or turnover).ti,ab.
17. OR/13-16
18. 12 and 17