

**Table S6. Evidence search report in electronic databases**

<b>Electronic search report No. 1</b>	
<b>Electronic database</b>	Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations, Daily and Versions 1946 to August 12, 2022
<b>Platform</b>	OVID
<b>Date of search</b>	15-08-2022
<b>Range of date</b>	1946 to August 12, 2022
<b>Restriction of language</b>	None
<b>Other limits</b>	None
<b>Search strategy (results)</b>	<ol style="list-style-type: none"> <li>1. exp general Practitioners/ (9922)</li> <li>2. general practice physician*.tw. (122)</li> <li>3. general practitioner*.tw. (55067)</li> <li>4. GPs.tw. (29461)</li> <li>5. exp Family Practice/ or general practice.tw. (87967)</li> <li>6. (family and (practice* or doctor*)).tw. (68669)</li> <li>7. (Clinician* or physician*).tw. (690042)</li> <li>8. primary care practice*.tw. (7073)</li> <li>9. exp Primary Health Care/ (184933)</li> <li>10. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 (991469)</li> <li>11. exp electronic Health Records/ (26327)</li> <li>12. ((electronic or computeriz#ed) and (health or medical) and record*).tw. (54070)</li> <li>13. exp User-Computer Interface/ or computer interface.tw. (42547)</li> <li>14. ((User-computer or User computer) and Interface*).tw. (15)</li> <li>15. Dashboard*.tw. (2186)</li> <li>16. visual analytic*.tw. (804)</li> <li>17. exp Health Information System/ or medical information system.tw. (2061)</li> <li>18. Health Information System* Data.tw. (68)</li> <li>19. Virtual Desktop Infrastructure.tw. (5)</li> <li>20. data visualisation*.tw. (182)</li> <li>21. exp Computer Graphics/ (41360)</li> <li>22. computer graphic*.tw. (2057)</li> <li>23. exp clinical audit/ and exp medical audit/ (17631)</li> <li>24. visual health record.tw. (0)</li> <li>25. Interactive visualization tool*.tw. (137)</li> <li>26. 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 (165125)</li> <li>27. 10 and 26 (25591)</li> <li>28. exp drug Prescriptions/ (37649)</li> <li>29. ((Drug or antibiotic) and Prescri*).tw. (76072)</li> <li>30. exp inappropriate Prescribing/ or prescribing error.tw. (4554)</li> <li>31. ((Inappropriate or over) and Prescri*).tw. (47890)</li> </ol>

	32. 28 or 29 or 30 or 31 (133694) 33. 27 and 32 (1739)
<b>Number of references found</b>	1739
<b>Electronic search report No. 2</b>	
<b>Electronic database</b>	Embase
<b>Platform</b>	Elsevier
<b>Date of search</b>	15-08-2022
<b>Range of date</b>	None
<b>Restriction of language</b>	None
<b>Other limits</b>	None
<b>Search strategy (results)</b>	1 'general practitioner'/exp OR 'general practitioner*':ab,ti (144361) 2 'general practice physician*':ab,ti (154) 3 'gps':ab,ti (40270) 4 'general practice'/exp (89390) 5 'family practice':ab,ti (8499) 6 family:ab,ti AND (practice*:ab,ti OR doctor*:ab,ti) (93761) 7 clinician*:ab,ti OR physician*:ab,ti (989243) 8 'primary care practice*':ab,ti (9140) 9 'primary health care'/exp (194701) 10 #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 (1349236) 11 'electronic health record'/exp (31630) 12 (electronic:ab,ti OR computeriz*ed:ab,ti) AND (health:ab,ti OR medical:ab,ti) AND record*:ab,ti (98906) 13 'computer interface'/exp OR 'user-computer interface':ab,ti (34620) 14 ('user computer':ab,ti OR user:ab,ti) AND computer:ab,ti AND interface*:ab,ti (3755) 15 dashboard*:ab,ti (3832) 16 'visual analytics':ab,ti (640) 17 'medical information system'/exp OR 'health information system':ab,ti (24309) 18 'health information system* data':ab,ti (80) 19 'virtual desktop infrastructure':ab,ti (6) 20 'data visualization'/exp (1839) 21 'computer graphics'/exp (10788) 22 'computer graphic*':ab,ti (2181) 23 'clinical audit'/exp (53041) 24 'medical audit':ab,ti (986) 25 'visual health record' (0) 26 'interactive visualization tool*':ab,ti (128) 27 #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 (230562) 28 #10 AND #27 (45781)

	29 'drug prescriptions':ab,ti (2560) 30 (drug:ab,ti OR antibiotic:ab,ti) AND prescri*:ab,ti (128368) 31 'prescribing error'/exp OR 'inappropriate prescribing':ab,ti (8478) 32 (inappropriate:ab,ti OR over:ab,ti) AND prescri*:ab,ti (89868) 33 #29 OR #30 OR #31 OR #32 (189106) 34 #28 AND #33 (3758) 35 #34 AND [embase]/lim NOT ([embase]/lim AND [medline]/lim) (2217)
<b>Number of references found</b>	2217
<b>Electronic search report No. 3</b>	
<b>Electronic database</b>	EBM Reviews - Cochrane Central Register of Controlled Trials
<b>Platform</b>	OVID
<b>Date of search</b>	15-08-2022
<b>Range of date</b>	None
<b>Restriction of language</b>	None
<b>Other limits</b>	None
<b>Search strategy (results)</b>	1 general Practitioner*.mp. (8208) 2 general practice physician*.mp. (7) 3 GPs.mp. (3301) 4 (Family Practice or general practice).mp. (7213) 5 (family and (practice* or doctor*)).mp. (9786) 6 (Clinician* or physician*).mp. (77166) 7 primary care practice*.mp. (1802) 8 Primary Health Care.mp. (7725) 9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 (97865) 10 electronic Health Records.mp. (1251) 11 ((electronic or computeriz#ed) and (health or medical) and record*).mp. (7314) 12 (User-Computer Interface or computer interface).mp. (1824) 13 ((User-computer or User computer) and Interface*).mp. (1377) 14 Dashboard*.mp. (343) 15 visual analytic*.mp. (8) 16 (Health Information Systems or medical information system).mp. (328) 17 Health Information System* Data.mp. (5) 18 Virtual Desktop Infrastructure.mp. (0) 19 data visualisation*.mp. (4) 20 computer graphic*.mp. (215) 21 clinical audit.mp. (559) 22 medical audit.mp. (413)

	23 visual health record.mp. (0) 24 Interactive visualization tool*.mp. (0) 25 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 (10728) 26 9 and 25 (3547) 27 drug Prescriptions.mp. (651) 28 ((Drug or antibiotic) and Prescri*).mp. (22240) 29 (inappropriate Prescribing or prescribing error).mp. (464) 30 ((Inappropriate or over) and Prescri*).mp. (12307) 31 27 or 28 or 29 or 30 (27717) 32 26 and 31 (574)
<b>Number of references found</b>	574
<b>Electronic search report No. 4</b>	
<b>Electronic database</b>	SCOPUS
<b>Platform</b>	SCOPUS
<b>Date of search</b>	15-08-2022
<b>Range of date</b>	None
<b>Restriction of language</b>	None
<b>Other limits</b>	None
<b>Search strategy (results)</b>	((TITLE-ABS("general practitioner*" OR "general practice physician*" OR "GPs" OR "general practice" OR "family practice" OR ("family" AND ("practice*" OR "doctor*"))) OR "clinician*" OR "physician*" OR "primary care practice*" OR "primary health care")) AND (TITLE-ABS("electronic health record" OR (("electronic" OR "computeriz?ed") AND ("health" OR "medical") AND "record*") OR "User-Computer Interface" OR "computer interface" OR (("User-computer" OR "User computer") AND "Interface*") OR "Dashboard*" OR "visual analytic*" OR "Health Information System*" OR "medical information system*" OR "Health Information System* Data" OR "Virtual Desktop Infrastructure" OR "data visualisation*" OR "computer graphic*" OR "clinical audit" OR "medical audit" OR "visual health record" OR "Interactive visualization tool*")))) AND (TITLE-ABS("drug Prescriptions" OR (("Drug" OR "antibiotic") AND "Prescri*") OR "inappropriate Prescribing" OR "prescribing error" OR (("Inappropriate" OR "over") AND "Prescri*")))) AND ( LIMIT-TO ( DOCTYPE,"ar" ) )
<b>Number of references found</b>	1087
<b>Electronic search report No. 5</b>	
<b>Electronic database</b>	Web of Science Core Collection

<b>Platform</b>	Wed of Science
<b>Date of search</b>	15-08-2022
<b>Range of date</b>	None
<b>Restriction of language</b>	None
<b>Other limits</b>	None
<b>Search strategy (results)</b>	<ol style="list-style-type: none"> <li>1. AB=(general practitioner* OR general practice physician* OR GPs OR general practice OR family practice OR (family AND (practice* OR doctor*)) OR clinician* OR physician* OR primary care practice* OR primary health care) (1,339,524)</li> <li>2. AB=(electronic health record OR ((electronic OR computeriz*) AND (health OR medical) AND record*) OR User-Computer Interface OR computer interface OR ((User-computer OR User computer) AND Interface*) OR Dashboard* OR visual analytic* OR Health Information System* OR medical information system* OR Health Information System* Data OR Virtual Desktop Infrastructure OR data visualisation* OR computer graphic* OR clinical audit OR medical audit OR visual health record OR Interactive visualization tool*) (792,343)</li> <li>3. #2 AND #1 (64,353)</li> <li>4. AB=(drug Prescriptions OR ((Drug OR antibiotic) AND Prescri*) OR inappropriate Prescribing OR prescribing error OR ((Inappropriate OR over) AND Prescri*)) (175,701)</li> <li>5. #4 AND #3 and Articles (Document Types) and Web of Science Core Collection (Database) (2,501)</li> </ol>
<b>Number of references found</b>	2501
<b>Electronic search report No. 6</b>	
<b>Electronic database</b>	LILACS
<b>Platform</b>	Virtual Health Library <a href="https://bvsalud.org/en/">https://bvsalud.org/en/</a>
<b>Date of search</b>	15-08-2022
<b>Range of date</b>	None
<b>Restriction of language</b>	None
<b>Other limits</b>	None
<b>Search strategy (results)</b>	<p>(general practitioner*) OR (general practice physician*) OR (GPs OR (general practice) OR (family practice) OR ((family) AND ((practice*) OR (doctor*))) OR (clinician*) OR (physician*) OR (primary care practice*) OR (primary health care)</p> <p>AND</p> <p>(electronic health record) OR (((electronic) OR (computerize*)) AND ((health) OR (medical)) AND (record*)) OR (User Computer</p>

	<p>Interface) OR (computer interface) OR (Dashboard*) OR (visual analytic*) OR (Health Information System*) OR (medical information system*) OR (Health Information System* Data) OR (Virtual Desktop Infrastructure) OR (data visualisation*) OR (computer graphic*) OR (clinical audit) OR (medical audit) OR (visual health record) OR (Interactive visualization tool*)</p> <p>AND</p> <p>(drug Prescriptions) OR (((Drug) OR (antibiotic)) AND (Prescri*)) OR (inappropriate Prescribing) OR (prescribing error) OR (((Inappropriate) OR (over)) AND (Prescri*))</p>
<b>Number of references found</b>	106