

## Appendix A: Complete Search Strategies

### Medline- Ovid

#	Search	Results
1	exp Medical Records Systems, Computerized/	29129
2	((electronic or computer* or online) adj2 (medical or health or patient) adj2 (record or records)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	22037
3	1 or 2	37459
4	Primary Health Care/ or Physicians, Primary Care/ or Family Practice/ or General Practice/ or General Practitioners/ or Nurse Practitioners/	135663
5	(Primary health care or Primary healthcare or Primary medical care or Family practi* or Family medicine or General practi* or Family physician* or Family Doctor* or Nurse Practition*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	207800
6	4 or 5	208329
7	Intervention Studies/ or Feedback/ or Health Knowledge, Attitudes, Practice/ or Computer User Training/ or workflow/ or Office Management/ or Practice Management, Medical/ or Decision Making, Computer-Assisted/ or "quality of health care"/ or exp quality improvement /	200385
8	(Intervention Stud* or Computer user training or Work Flow or Office Management or Medical Practice Management or Computer assisted Decision making or Computer assisted Diagnosis or "meaningful use" or feedback or quality improvement).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	162119
9	7 or 8	309976
10	3 and 6 and 9	823
11	limit 10 to (english language and yr="1970 -Current")	709

### EMBASE

#	Search	Results
1	exp electronic medical record/	32147
2	((electronic or computer* or online) adj2 (medical or health or patient) adj2 (record or records)).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	40575
3	1 or 2	40738
4	primary health care/ or general practice/ or general practitioner/ or nurse practitioner/ or family nurse practitioner/	188427
5	(Primary health care or Primary healthcare or Primary medical care or Family practi* or Family medicine or General practi* or Family physician* or Primary care physician* or Family Doctor* or Nurse	295406

	Practition*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	
6	4 or 5	295406
7	intervention study/ or attitude to health/ or exp knowledge management/ or "meaningful use criteria"/ or workflow/ or computer assisted diagnosis/	158262
8	(Intervention Stud* or Computer user training or Work Flow or Office Management or Medical Practice Management or Computer assisted Decision making or Computer assisted Diagnosis or "meaningful use" or feedback or quality improvement).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	243833
9	7 or 8	336743
10	3 and 6 and 9	887
11	limit 10 to (english language and yr="1970 -Current")	791

## CINAHL

#	Search	Results
1	(MH "Medical Records, Personal") OR (MH "Computerized Patient Record")	11,234
2	(electronic OR computer* OR online) N2 (medical OR health OR patient) N2 (record OR records)	13,390
3	(S1 OR S2)	13,719
4	(MH "Family Nurse Practitioners") OR (MH "Nurse Practitioners") OR (MH "Family Practice") OR (MH "Physicians, Family") OR (MH "Primary Health Care")	57,922
5	Primary health care or Primary healthcare or Primary medical care or Family practi* or Family medicine or General practi* or Family physician* or Family Doctor* or Nurse Practition*	82,062
6	(S4 OR S5)	82,062
7	(MH "Knowledge Management+") OR (MH "Meaningful Use") OR (MH "Computer User Training")OR (MH "Decision Support Systems, Clinical") OR (MH "Decision Making, Computer Assisted") OR (MH "Attitude to Health")	1,688
8	Intervention Stud* or Computer user training or Work Flow or Office Management or Medical Practice Management or Computer assisted Decision making or Computer assisted Diagnosis or "meaningful use" or feedback or quality improvement	61,868
9	(S7 OR S8)	63,268
10	(S3 AND S6 AND S9)	322

## Web of Science

#	Search	Results
1	TS=("Electronic medical record*") OR TS=("Electronic health record*") OR TS=("Computerized patient record*")  <i>Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH Timespan=All years</i>	12,811

2	TS=("Primary Health Care") or TS=("Primary Care Physicians") or TS=("Family Practice") or TS=("General Practice") or TS=("General Practitioners") or TS=("Nurse Practitioners")  <i>Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH Timespan=All years</i>	79,091
3	TS=("Intervention Studies") or TS=(Feedback) or TS=("Computer User Training") or TS=(workflow) or TS=("Office Management") or TS=("Practice Management") or TS=("Computer Assisted Decision Making") or TS=("meaningful use") or TS=("quality improvement") or TS=("Computer assisted Diagnosis")  <i>Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH Timespan=All years</i>	350,825
4	#3 AND #2 AND #1  <i>Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH Timespan=All years</i>	141
5	(#4) AND LANGUAGE: (English)  <i>Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH Timespan=1970-2015</i>	140

## Cochrane Library

#	Search	Results
1	MeSH descriptor: [Medical Records Systems, Computerized] explode all trees	439
2	MeSH descriptor: [Primary Health Care] explode all trees	4022
3	MeSH descriptor: [General Practice] this term only	209
4	MeSH descriptor: [General Practitioners] explode all trees	95
5	MeSH descriptor: [Nurse Practitioners] this term only	316
6	MeSH descriptor: [Intervention Studies] this term only	2306
7	MeSH descriptor: [Feedback] this term only	979
8	MeSH descriptor: [Health Knowledge, Attitudes, Practice] this term only	3916
9	MeSH descriptor: [Computer User Training] explode all trees	47
10	MeSH descriptor: [Workflow] explode all trees	13
11	MeSH descriptor: [Office Management] explode all trees	70
12	MeSH descriptor: [Decision Making, Computer-Assisted] explode all trees	3751
13	MeSH descriptor: [Quality Improvement] 1 tree(s) exploded	49
14	Enter terms for search #2 or #3 or #4 or #5	4485

15	Enter terms for search #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13	10975
16	Enter terms for search "electronic medical records"	183
17	Enter terms for search "electronic health records"	213
18	Enter terms for search "computerized medical records"	21
19	Enter terms for search "electronic patient records"	28
20	Enter terms for search "primary health care"	4725
21	Enter terms for search "primary healthcare"	341
22	Enter terms for search "Primary medical care"	1879
23	Enter terms for search "Family practice"	3579
24	Enter terms for search "Family medicine"	1807
25	Enter terms for search "General practice"	5345
26	Enter terms for search "Family physician"	612
27	Enter terms for search "Family Doctor"	179
28	Enter terms for search "Nurse Practitioner"	544
29	Enter terms for search "Intervention Study"	5584
30	Enter terms for search "Computer user training"	48
31	Enter terms for search "Work Flow"	25
32	Enter terms for search "Office Management"	16
33	Enter terms for search "Medical Practice Management"	3
34	Enter terms for search "Computer assisted Decision making"	5
35	Enter terms for search "Computer assisted Diagnosis"	108
36	Enter terms for search "meaningful use"	21
37	Enter terms for search "feedback"	8445
38	Enter terms for search "quality improvement"	1287
39	Enter terms for search #1 or #16 or #17 or #18 or #19	417
40	Enter terms for search #14 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28	15661
41	Enter terms for search #15 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38	23975
42	Enter terms for search #40 and #41 and #42	80