

Appendix 1. Search Strategy.

Cancer Screening Decision Aids – Medline Strategy

Database(s): **Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R)** 1946 to Present
Search Strategy:

#	Searches	Results
1	DECISION SUPPORT TECHNIQUES/	15661
2	DECISION SUPPORT SYSTEMS CLINICAL/	5939
3	DECISION TREES/	9753
4	(decision making or choice behavior).mp. and informed consent.sh.	4682
5	((decision* or decid*) adj4 (support* or aid* or tool* or instrument* or technolog* or technique* or system* or program* or algorithm* or process* or method* or intervention* or material*)).ti,kw,ab.	57957
6	(decision adj (board* or guide* or counseling)).ti,kw,ab.	140
7	((risk communication or risk assessment or risk information) adj4 (tool* or method*)).ti,kw,ab.	4411
8	DECISION-MAKING COMPUTER ASSISTED/	2583
9	(computer* adj2 decision making).ti,kw,ab.	188
10	interactive health communication*.ti,kw,ab.	58
11	(interactive adj (internet or online or graphic* or booklet*)).ti,kw,ab.	591
12	(interacti* adj4 tool*).ti,kw,ab.	2880
13	((interactiv* or evidence based) adj3 (risk information or risk communication or risk presentation or risk graphic*)).ti,kw,ab.	22
14	shared decision making.ti,kw,ab.	3884
15	(informed adj (choice* or decision*)).ti,kw,ab.	7033
16	adaptive conjoint analys*.ti,kw,ab.	41
17	or/1-16 [Cochrane strategy terms]	99819
18	exp CHOICE BEHAVIOR/	46352
19	((shared or sharing or informed) adj3 decision*).ti,kw,ab.	11044
20	or/18-19 [Addl AHRQ strategy terms]	57085

21	17 or 20 [decision-related terms: Cochrane or AHRQ]	145790
22	exp NEOPLASMS/	2914838
23	exp EARLY DIAGNOSIS/	34897
24	MASS SCREENING/	90297
25	22 and (23 or 24)	47306
26	((cancer* or neoplasm* or neoplasia* or carcinoma* or malignan* or premalignan* or pre-malignan* or precancer* or pre-cancer*) and screen*).ti,kw.	27839
27	((cancer* or neoplasm* or neoplasia* or carcinoma* or malignan* or premalignan* or pre-malignan* or precancer* or pre-cancer*) adj5 screen*).ab.	35363
28	((melanoma* or NSCLC or adenocarcinom* or tumor* or tumour*) and screen*).ti,kw.	1792
29	((melanoma* or NSCLC or adenocarcinom* or tumor* or tumour*) adj5 screen*).ab.	5174
30	EARLY DETECTION OF CANCER/	14808
31	MASS CHEST X-RAY/	1926
32	exp MAMMOGRAPHY/	26753
33	ULTRASONOGRAPHY, MAMMARY/	4327
34	BREAST SELF EXAMINATION/	1335
35	GENES, BRCA1/	5420
36	GENES, BRCA2/	3371
37	PROSTATE-SPECIFIC ANTIGEN/	21960
38	DIGITAL RECTAL EXAMINATION/	723
39	COLONOSCOPY/	21682
40	SIGMOIDOSCOPY/	4594
41	COLONOGRAPHY, COMPUTED TOMOGRAPHIC/	1819
42	PAPANICOLAOU TEST/	5700
43	VAGINAL SMEARS/	21187
44	((chest* or lung* or pulmonary or breast*) adj5 (xray or x-ray or radiograph* or imag* or ultrasonogra* or screen* or biops*)).ti,kw,ab.	95304

45	(mammogra* or colonoscop* or sigmoidoscop* or FOBT or "fecal occult" or "faecal occult" or colonogra*).ti,kw,ab.	55803
46	(breast* adj3 (self or exam*)).ti,kw,ab.	8443
47	BRCA*.ti,kw.	7980
48	((pap* or vagina*) adj3 (test* or smear*)).ti,kw,ab.	20392
49	((cervical or cervix) adj3 smear*).ti,kw,ab.	7251
50	(PSA or "prostate specific antigen").ti,kw,ab.	35834
51	(digital* adj3 (rectal* or rectum) adj3 exam*).ti,kw.	433
52	((rectal* or rectum) adj3 palpat*).ti,kw.	92
53	((colorectal* or colo-rectal* or colon* or rectal* or bowel*) adj3 polyp*).ti,kw,ab.	11001
54	((CT or tomogra*) adj3 (colon* or rectal* or rectum* or colorectal*)).ti,kw.	1704
55	((test* or screen* or dna) adj3 stool*1).ti,kw,ab.	2959
56	or/25-55 [cancer or cancer screening terms]	295552
57	21 and 56 [Cochrane/AHRQ decision terms + cancer/cancer screening terms]	3829
58	(decision* and (aid* or tool* or instrument* or leaflet* or booklet* or pamphlet* or brochure* or video* or website* or material* or guide*)).ti,kw.	3806
59	(decision* adj3 (aid* or tool* or instrument* or leaflet* or booklet* or pamphlet* or brochure* or video* or website* or material* or guide*) adj5 screen*).ab.	200
60	(patient* and (information* or education*) and (aid* or tool* or instrument* or leaflet* or booklet* or pamphlet* or brochure* or video* or audiovisual* or audio-visual* or website* or material* or guide*)).ti,kw.	1509
61	(patient* adj5 (information* or education*) adj3 (aid* or tool* or instrument* or leaflet* or booklet* or pamphlet* or brochure* or video* or audiovisual* or audio-visual* or website* or material* or guide*)).ab.	3290
62	(benefit* and harm* and screen*).ti,kw.	158
63	(benefit* adj3 harm* adj5 screen*).ab.	436
64	((("decision support" or communication or visual or audiovisual* or audio-visual*) adj5 (aid* or tool* or instrument* or material* or guide*)).ti,kw,ab.	12747
65	((personali* or computeri*) adj5 "decision support").ti,kw,ab.	933
66	FALSE POSITIVE REACTIONS/	25992

67	(overdetect* or over-detect* or overdiagnos* or over-diagnos* or "false positive*").ti,kw,ab.	52754
68	(diagnos* adj3 error*).ti,kw,ab.	5612
69	(standardi* adj3 information).ti,kw,ab.	1083
70	((educational or psychoeducational) adj3 intervention*).ti,kw,ab.	9573
71	or/58-70 [decision aid or overdetetection terms]	103816
72	57 and 71 [most likely decision aid related - all years included]	669
73	limit 72 to yr="2012 - Current"	323
74	limit 57 to yr="2012 - Current" [one way of decreasing the number of records to screen for a SR]	1494
75	74 not 72 [eliminating the already reviewed records]	1171