

Online Resource 2. Search strategies

Manuscript title: Barriers and facilitators to colonoscopy participation for colorectal cancer screening: a rapid systematic review

Online Resource 2a. Database search strategy for MEDLINE (Ovid) database

#	Searches	Results
1	Endoscop*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	286,433
2	colonoscop*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	49,088
3	proctoscop*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	2,773
4	sigmoidoscop*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	7,599
5	rectosigmoidoscop*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	283
6	proctosigmoidoscop*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	311
7	proctoscop*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	2,773
8	endoscopy.mp. or exp Endoscopy/	440,910
9	exp Colonoscopy/ or colonoscopy.mp. or exp Rectum/ or exp Colon/	151,979
10	exp Sigmoidoscopy/ or sigmoidoscopy.mp.	7,127
11	proctoscopy.mp. or exp Proctoscopy/	3,451

12	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11	631,310
13	(barrier* or facilitator*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	428,583
14	exp Patient Satisfaction/ or patient satisfaction.mp.	123,778
15	"patient experience".mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	9,618
16	enabler*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	5,744
17	promotor*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	5,976
18	obstacle*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	63,533
19	challenge*.mp.	889,728
20	experience.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	812,289
21	13 or 14 or 15 or 16 or 17 or 18 or 19 or 20	2,175,494
22	colorectal cancer.mp. or exp Colorectal Neoplasms/	271,270
23	((((Colorect* or colon* or rect* or bowel* or sigmoid*) adj3 carcinoma*) or neoplas* or cancer* or tumour* or adenocarinom*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms, population supplementary concept word, anatomy supplementary concept word]	4,060,761
24	22 or 23	4,062,552
25	12 and 21 and 24	19,369

26	limit 25 to english language	16,755
27	exp canada/ or exp mexico/ or exp united states/ or chile/ or Costa Rica/ or Colombia/ or israel/ or turkey/ or exp japan/ or exp Republic of Korea/ or austria/ or belgium/ or exp baltic states/ or estonia/ or latvia/ or lithuania/ or czech republic/ or hungary/ or poland/ or slovakia/ or slovenia/ or exp france/ or exp germany/ or united kingdom/ or exp england/ or northern ireland/ or exp scotland/ or wales/ or greece/ or exp ireland/ or exp italy/ or luxembourg/ or netherlands/ or portugal/ or exp "scandinavian and nordic countries"/ or exp denmark/ or finland/ or iceland/ or norway/ or sweden/ or spain/ or switzerland/ or exp australia/ or exp new zealand/ or (Australia or Austria or Belgium or Canada or Chile or Colombia or "Costa Rica" or "Czech Republic" or Denmark or Estonia or Finland or France or Germany or Greece or Hungary or Iceland or Israel or Italy or Japan or "Republic of Korea" or "South Korea" or Latvia or Lithuania or Luxembourg or Mexico or Netherlands or New Zealand or Norway or Poland or Portugal or "Slovak Republic" or Slovenia or Spain or Sweden or Switzerland or Turkey or "United Kingdom" or England or Ireland or Scotland or Wales or "United States").mp.	4,060,988
28	26 and 27	2,427

Online Resource 2b. Search strategy for EMBASE database

#	Searches	Results
1	Endoscop*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	525,704
2	colonoscop*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	112,641
3	proctoscop*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	1,280
4	sigmoidoscop*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	15,540
5	rectosigmoidoscop*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	433
6	proctosigmoidoscop*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	333
7	proctoscop*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	1,280

8	exp endoscopy/ or exp colon capsule endoscopy/ or exp colonic endoscopy cuff/ or exp endoscopy software/ or exp intestine endoscopy/ or endoscopy.mp. or exp magnifying endoscopy/	793,831
9	exp colonoscopy/	101,889
10	Sigmoidoscopy.mp. or exp sigmoidoscopy/	15,017
11	proctoscopy.mp. or exp rectoscopy/	2,997
12	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11	978,688
13	(barrier* or facilitator*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	562,340
14	Patient Satisfaction.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	179,348
15	"patient experience".mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	17,291
16	enabler*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	7,027
17	promotor*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	15,686
18	obstacle*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	78,364
19	challenge*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	1,117,785
20	experience.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	1,235,238
21	13 or 14 or 15 or 16 or 17 or 18 or 19 or 20	2,972,306
22	colorectal cancer.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	257,691
23	exp rectum carcinoma/ or colorectal cancer.mp. or exp colon carcinoma/ or exp rectum cancer/ or exp rectum tumor/ or exp colon cancer/ or exp colorectal tumor/ or exp colon tumor/ or exp colorectal cancer/	470,591
24	((Colorect* or colon* or rect* or bowel* or sigmoid*) adj3 carcinoma*) or neoplas* or cancer* or tumour* or adenocarinom*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	5,007,047
25	22 or 23 or 24	5,030,257

26	12 and 21 and 25	35,469
27	limit 26 to (full text and english language and "remove medline records")	2,529
28	Canada.mp. or exp mexico/ or exp united states/ or chile/ or Costa Rica/ or Colombia/ or israel/ or turkey/ or exp japan/ or exp Republic of Korea/ or austria/ or belgium/ or exp baltic states/ or estonia/ or latvia/ or lithuania/ or czech republic/ or hungary/ or poland/ or slovakia/ or slovenia/ or exp france/ or exp germany/ or united kingdom/ or exp england/ or northern ireland/ or exp scotland/ or wales/ or greece/ or exp ireland/ or exp italy/ or luxembourg/ or netherlands/ or portugal/ or exp "scandinavian and nordic countries"/ or exp denmark/ or finland/ or iceland/ or norway/ or sweden/ or spain/ or switzerland/ or exp australia/ or exp new zealand/ or Australia.mp. or Austria.mp. or Belgium.mp. or Canada.mp. or Chile.mp. or Colombia.mp. or "Costa Rica".mp. or "Czech Republic".mp. or Denmark.mp. or Estonia.mp. or Finland.mp. or France.mp. or Germany.mp. or Greece.mp. or Hungary.mp. or Iceland.mp. or Israel.mp. or Italy.mp. or Japan.mp. or "Republic of Korea".mp. or "South Korea".mp. or Latvia.mp. or Lithuania.mp. or Luxembourg.mp. or Mexico.mp. or Netherlands.mp. or New Zealand.mp. or Norway.mp. or Poland.mp. or Portugal.mp. or "Slovak Republic".mp. or Slovenia.mp. or Spain.mp. or Sweden.mp. or Switzerland.mp. or Turkey.mp. or "United Kingdom".mp. or England.mp. or Ireland.mp. or Scotland.mp. or Wales.mp. or "United States".mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]	5,814,624
29	27 and 28	431

Online Resource 2c. Search strategy for CINAHL database

#	Searches	Limiters/Expanders	Last Run Via	Results
S1	"(colonoscopy or sigmoidoscopy) AND (barriers or facilitators or enablers) AND (colorectal cancer or colon cancer or bowel cancer or rectal cancer)"	Limiters - Full Text Expanders - Apply equivalent subjects Narrow by SubjectGeographic: - asia Narrow by SubjectGeographic: - australia & new zealand Narrow by SubjectGeographic: - canada Narrow by SubjectGeographic: - uk & ireland Narrow by SubjectGeographic: - europe Narrow by SubjectGeographic: - usa Narrow by Language: - english Search modes - SmartText Searching	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	495

Online Resource 2d. Search strategy for Pubmed database

Searches	Results
((Colonoscopy) AND (Barriers or facilitators)) AND (Colorectal cancer)	294

Total articles = 3647

The number of duplicates = $3647 - 3138 = 509$