

SEARCH STRATEGIES

SOURCES SEARCHED

Databases	Number of results	Date searched
Medline Complete	828	04/03/2024
Embase	1353	05/03/2024
The Cochrane Library	301	06/04/2024
ClinicalTrials.gov	185	05/03/2024
INAHTA Database	2	08/04/2024
Total	2669	
Total after duplicates removed in Endnote and Covidence	2029	

SEARCH STRATEGIES

Database Name	Medline Complete via Ebscohost
Date search was run	04/03/2024

#	Query	Limiters/Expanders	Last Run Via	Results
S23	S14 AND S22	Limiters - Publication Date: 20180501- Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	828

S22	S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	1,821,415
S21	(TI "likelihood ratio*" OR AB "likelihood ratio*")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	20,307
S20	(TI "predictive value*" OR AB "predictive value*")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	141,991
S19	(TI "post-test probability" OR AB "post- test probability")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	749
S18	((((TI pre-test OR AB pre-test) OR (TI pretest OR AB pretest)) W1 (TI probability OR AB probability))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	3,206
S17	(TI specificity OR AB specificity)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	600,985
S16	(TI sensitivity OR AB sensitivity)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	1,037,557
S15	(MH "Sensitivity and Specificity+")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	652,725
S14	S5 AND S13	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	11,456
S13	S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	212,849

S12	AB "occult blood" OR TI "occult blood"	Limiters - Publication Date: 20180501- Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	1,204
S11	AB (FOBT OR iFOBT) OR TI (FOBT OR iFOBT)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	1,667
S10	AB FIT OR TI FIT	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	188,619
S9	AB fecal N2 immunochem* N2 test* OR TI fecal N2 immunochem* N2 test*	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	1,585
S8	AB faecal N2 immunochem* N2 test* OR TI faecal N2 immunochem* N2 test*	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	740
S7	(MH "Occult Blood")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	6,435
S6	(MM "Early Detection of Cancer")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	19,113
S5	S1 OR S2 OR S3 OR S4	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	394,465
S4	AB ((colorect* or colo rect* or colon* or rectal or intestin* or bowel) N3 (carcinom* or neoplas* or adenocarcinom* or cancer* or tumor* or tumour* or sarcom* or polyp* or adenom* or oncolog* or malignan*)) OR TI ((colorect* or colo rect* or colon* or	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	321,199

	rectal or intestin* or bowel) N3 (carcinom* or neoplas* or adenocarcinom* or cancer* or tumor* or tumour* or sarcom* or polyp* or adenom* or oncolog* or malignan*))			
S3	(MH "Adenoma+/DI")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	23,107
S2	(MH "Intestinal Polyps+/DI")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	4,484
S1	(MH "Colorectal Neoplasms+")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - MEDLINE Complete	243,525

Database Name	Embase via Ovid
Date search was run	05/03/2024

Database(s): **Embase** 1974 to 2024 March 04

Search Strategy:

#	Searches	Results
1	exp colorectal cancer/di [Diagnosis]	42783
2	exp intestine polyp/di [Diagnosis]	9953
3	exp adenoma/di [Diagnosis]	35689
4	((colorect* or colo rect* or colon* or rectal or intestin* or bowel) adj2 (carcinom* or neoplas* or adenocarcinom* or cancer* or tumor* or tumour* or sarcom* or polyp* or adenom* or oncolog* or malignan*)).ab,ti.	412866

5	1 or 2 or 3 or 4	456582
6	exp early cancer diagnosis/	14700
7	exp occult blood/	11062
8	(faecal adj2 immunochem* adj2 test*).ab,ti.	1015
9	(fecal adj2 immunochem* adj2 test*).ab,ti.	2530
10	FIT.ab,ti.	208419
11	(FOBT or iFOBT).ab,ti.	3157
12	"occult blood".ab,ti.	9322
13	6 or 7 or 8 or 9 or 10 or 11 or 12	237387
14	exp "Sensitivity and Specificity"/	504577
15	sensitivity.tw.	1317656
16	specificity.tw.	747236
17	((pre-test or pretest) adj probability).tw.	5279
18	post-test probability.tw.	1072
19	predictive value\$.tw.	213020
20	likelihood ratio\$.tw.	27631
21	*Diagnostic Accuracy/	20389
22	14 or 15 or 16 or 17 or 18 or 19 or 20 or 21	1950519
23	5 and 13 and 22	3249
24	limit 23 to dc=20180530-20240305	1353

Database Name	The Cochrane Library
Date search was run	05/03/2024

ID Search Hits

#1 ((colorect* or colo rect* or colon* or rectal or intestin* or bowel) NEAR/3 (carcinom* or neoplas* or adenocarcinom* or cancer* or tumor* or tumour* or sarcom* or polyp* or adenom* or oncolog* or malignan*)):ti,ab,kw (Word variations have been searched) 29653

#2 (faecal NEAR/2 immunochem* NEAR/2 test*):ti,ab,kw (Word variations have been searched) 511

#3 (fit):ti,ab,kw (Word variations have been searched) 34428

#4 (FOBT OR iFOBT):ti,ab,kw (Word variations have been searched) 426

#5 ("occult blood"):ti,ab,kw (Word variations have been searched) 1632

#6 #2 OR #3 OR #4 OR #5 35842

#7 #1 AND #6 with Cochrane Library publication date from May 2018 to present 1236

#8 (sensitivity):ti,ab,kw (Word variations have been searched)97757

#9 (specificity):ti,ab,kw (Word variations have been searched) 169222

#10 ((pretest OR pretest) NEXT/1 (probability OR probability)):ti,ab,kw (Word variations have been searched) 214

#11 ("post-test probability"):ti,ab,kw (Word variations have been searched) 66

#12 ((predictive NEXT value*)):ti,ab,kw (Word variations have been searched)17971

#13 (likelihood NEXT ratio*):ti,ab,kw 936

#14 #8 OR #9 OR #10 OR #11 OR #12 OR #13247608

#15 #7 AND #14 with Cochrane Library publication date Between May 2018 and Dec 2024 301

Database Name	ClinicalTrials.gov
Date search was run	05/03/2024
Search Strategies	Search 1: Faecal Immunochemical Test* AND colorectal cancer screening Search 2: Faecal Immunochemical Test* AND advanced adenomas Search 3: Fecal Immunochemical Test* AND advanced adenomas Search 4: Fecal Immunochemical Test* AND colorectal

Database Name	INAHTA Database
Date search was run	11/03/2024
Search Strategies	Search 1: ((Fecal immunochemical test)[abs]) FROM 2018 TO 2024 Search 2: ((Faecal immunochemical test)[abs]) FROM 2018 TO 2024 Search 3: ("Occult Blood"[mh]) FROM 2018 TO 2024