

Medline search strategy for

Search 1: Diagnosing active TB in HIV infected adults

Search 2: Latent TB in HIV infected adults

Filters: SR, RCT, Diagnosis, Observational, signs and symptoms, risk factors

Search 9: Prevention control of transmission

Can add extra terms for prevention and increase risk assessment terms to search below but this is related to diagnosis/screening and treatment,

**Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**

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1	exp HIV/	89096
2	exp HIV Infections/	248081
3	HIV Long-Term Survivors/	648
4	AIDS Serodiagnosis/	6337
5	(aids adj3 virus).ti,ab.	1998
6	(HIV or HIV1 or HIV2 or hiv-1 or hiv-2).ti,ab.	253529
7	(human immunodeficiency virus or human immunodeficiency virus or human immuno-deficiency virus or human immune-deficiency virus).ti,ab.	75207
8	(human immun\$ adj3 deficiency virus).ti,ab.	499
9	(acquired immunodeficiency syndrome or acquired immunodeficiency syndrome or acquired immuno-deficiency syndrome or acquired immune-deficiency syndrome).ti,ab.	20353
10	(acquired immun\$ adj3 deficiency syndrome).ti,ab.	5348
11	or/1-10	343625
12	exp Tuberculosis/	166928
13	tuberculo*.ti,ab.	174493
14	TB.ti,ab.	32803
15	or/12-14	225117
16	11 and 15	19009
17	letter/	951095
18	editorial/	395861
19	news/	177502
20	exp historical article/	344808
21	Anecdotes as Topic/	4708
22	comment/	668490
23	case report/	1776864
24	(letter or comment*).ti.	111549
25	or/17-24	3637384
26	randomized controlled trial/ or random*.ti,ab.	911414
27	25 not 26	3617124
28	animals/ not humans/	4023391
29	exp Animals, Laboratory/	763418
30	exp Animal Experimentation/	6943
31	exp Models, Animal/	452689
32	exp Rodentia/	2803712
33	(rat or rats or mouse or mice).ti.	1163235
34	or/27-33	8288823

35	16 not 34	14890
36	limit 35 to english language	12979
37	limit 36 to yr="2010 -Current"	5082
38	Meta-Analysis/	60401
39	Meta-Analysis as Topic/	14905
40	(meta analy* or metanaly* or metaanaly* or meta regression).ti,ab.	84269
41	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.	96260
42	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.	29425
43	(search strategy or search criteria or systematic search or study selection or data extraction).ab.	31667
44	(search* adj4 literature).ab.	34410
45	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.	109800
46	cochrane.jw.	12005
47	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.	1644
48	or/38-47	244385
49	Epidemiologic studies/	6406
50	exp Case control studies/	750378
51	exp Cohort studies/	1493956
52	Cross-sectional studies/	204420
53	case control.ti,ab.	89500
54	(cohort adj (study or studies or analys*)).ti,ab.	111854
55	((follow up or observational or uncontrolled or non randomi#ed or nonrandomi#ed or epidemiologic*) adj (study or studies)).ti,ab.	167108
56	((longitudinal or retrospective or prospective or cross sectional) and (study or studies or review or analys* or cohort*)).ti,ab.	907270
57	or/49-56	2217857
58	randomized controlled trial.pt.	412008
59	controlled clinical trial.pt.	91713
60	randomi#ed.ab.	400806
61	placebo.ab.	168230
62	drug therapy.fs.	1838624
63	randomly.ab.	240852
64	trial.ab.	347722
65	groups.ab.	1501817
66	or/58-65	3671551
67	clinical trials as topic.sh.	178736
68	trial.ti.	147025
69	or/58-61,63,67-68	1022866
70	exp "sensitivity and specificity"/	457154
71	(sensitivity or specificity).ti,ab.	789241
72	((pre test or pretest or post test) adj probability).ti,ab.	1764
73	(predictive value* or PPV or NPV).ti,ab.	81460
74	likelihood ratio*.ti,ab.	10381
75	likelihood function/	18530
76	(ROC curve* or AUC).ti,ab.	52964
77	(diagnos* adj3 (performance* or accurac* or utilit* or value* or efficien* or effectiveness)).ti,ab.	87173
78	gold standard.ab.	39733
79	or/70-78	1250373

80	exp "Signs and Symptoms" /	1697891
81	(sign? adj2 symptom\$).ti,ab.	48961
82	80 or 81	1738312
83	48 or 57 or 69 or 79 or 82	5383150
84	37 and 83	2877
85	exp Risk Factors/	623324
86	(risk* adj2 factor*).ti,ab.	402447
87	85 or 83	5634137
88	37 and 87	3060

HIV\_TB Medline search strategy for

Search 3: Treatment of active TB in HIV

Search 7: treatment failure and relapse

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8	(human 4teroi\$ adj3 deficiency virus).ti,ab.	499
9	(acquired immunodeficiency syndrome or acquired immunodeficiency syndrome or acquired 4teroi-deficiency syndrome or acquired immune-deficiency syndrome).ti,ab.	20353
10	(acquired 4teroi\$ adj3 deficiency syndrome).ti,ab.	5348
11	or/1-10	343625
12	exp Tuberculosis/	166928
13	tuberculo*.ti,ab.	174493
14	TB.ti,ab.	32803
15	or/12-14	225117
16	11 and 15	19009
17	letter/	951095
18	editorial/	395861
19	news/	177502
20	exp historical article/	344808
21	Anecdotes as Topic/	4708
22	comment/	668490
23	case report/	1776864
24	(letter or comment*).ti.	111549
25	or/17-24	3637384
26	randomized controlled trial/ or random*.ti,ab.	911414
27	25 not 26	3617124
28	animals/ not humans/	4023391
29	exp Animals, Laboratory/	763418
30	exp Animal Experimentation/	6943
31	exp Models, Animal/	452689

32	exp Rodentia/	2803712
33	(rat or rats or mouse or mice).ti.	1163235
34	or/27-33	8288823
35	16 not 34	14890
36	limit 35 to 5teroid language	12979
37	limit 36 to yr="2010 –Current"	5082
38	exp Antitubercular Agents/	57467
39	((antitubercular or anti tubercular or anti-tubercular) adj2 (agents* or therap* or regimen* or treatment*)).ti,ab.	1833
40	(ethambutol or isoniazid or pyrazinamide or rifampicin or rifabutin or rifapentin).ti,ab.	25005
41	ethambutol/ or isoniazid/ or pyrazinamide/ or rifampicin/ or rifabutin/ or rifapentin/	29682
42	exp Glucocorticoids/	170309
43	(corticosteroid* or steroid* or glucocorticoid*).ti,ab.	134102
44	aminoglycoside/ or polypeptides/ or fluoroquinolones/ or thioamides/ or cycloserine/ or terizidone/	150450
45	(aminoglycoside* or polypeptide* or fluoroquinolone* or thioamide* or cycloserine or terizidone).ti,ab.	140461
46	or/38-45	581233
47	37 and 46 <b>No Filters</b>	1365
No 48	Meta-Analysis/	60401
49	Meta-Analysis as Topic/	14905
50	(meta analy* or metanaly* or metaanaly* or meta regression).ti,ab.	84269
51	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.	96260
52	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.	29425
53	(search strategy or search criteria or systematic search or study selection or data extraction).ab.	31667
54	(search* adj4 literature).ab.	34410
55	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.	109800
56	cochrane.jw.	12005
57	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.	1644
58	or/48-57	244385
59	randomized controlled trial.pt.	412008
60	controlled clinical trial.pt.	91713
61	randomi#ed.ab.	400806
62	placebo.ab.	168230
63	drug therapy.fs.	1838624
64	randomly.ab.	240852
65	trial.ab.	347722
66	groups.ab.	1501817
67	or/59-66	3671551
68	clinical trials as topic.sh.	178736
69	trial.ti.	147025
70	or/59-62,64,68-69	1022866

71	58 or 70	1200162
72	47 and 71 <b>RCT &amp; SR filters</b>	291

HIV\_TB Search 4: Drug toxicity

\*\*\*Small search – recommend no filters\*\*\*

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8	(human immun\$ adj3 deficiency virus).ti,ab.	499
9	(acquired immunodeficiency syndrome or acquired immunodeficiency syndrome or acquired immuno-deficiency syndrome or acquired immune-deficiency syndrome).ti,ab.	20353
10	(acquired immun\$ adj3 deficiency syndrome).ti,ab.	5348
11	or/1-10	343625
12	exp Tuberculosis/	166928
13	tuberculo*.ti,ab.	174493
14	TB.ti,ab.	32803
15	or/12-14	225117
16	11 and 15	19009
17	letter/	951095
18	editorial/	395861
19	news/	177502
20	exp historical article/	344808
21	Anecdotes as Topic/	4708
22	comment/	668490
23	case report/	1776864
24	(letter or comment*).ti.	111549
25	or/17-24	3637384
26	randomized controlled trial/ or random*.ti,ab.	911414
27	25 not 26	3617124
28	animals/ not humans/	4023391
29	exp Animals, Laboratory/	763418
30	exp Animal Experimentation/	6943
31	exp Models, Animal/	452689
32	exp Rodentia/	2803712
33	(rat or rats or mouse or mice).ti.	1163235
34	or/27-33	8288823
35	16 not 34	14890
36	limit 35 to english language	12979
37	limit 36 to yr="2010 -Current"	5082
38	hepatotoxic*.ti,ab.	18093
39	toxic*.ti,ab.	468067
40	exp Liver Diseases/	463442
41	((liver or hepatic) adj2 disease*).ti,ab.	74776
42	gastrointestinal.ti,ab.	175374

43	gastric.ti,ab.	198139
44	((gastric* or epigastric*) adj2 pain*).ti,ab.	3962
45	(nausea* or vomit*).ti,ab.	71095
46	exp Peripheral Nervous System Diseases/	123112
47	(peripheral adj2 (neuropath* or pain)).ti,ab.	17454
48	exp Exanthema/	5104
49	((rash adj2 skin) or exanthema or exanthem).ti,ab.	6495
50	or/38-49	1441220
51	37 and 50	404

HIV\_TB: Search 5: Starting HAART

\*\*\*If no use of filters result will be larger due to EMBASE

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9	(acquired immunodeficiency syndrome or acquired immunodeficiency syndrome or acquired immuno-deficiency syndrome or acquired immune-deficiency syndrome).ti,ab.	20353
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14	TB.ti,ab.	32803
15	or/12-14	225117
16	11 and 15	19009
17	letter/	951095
18	editorial/	395861
19	news/	177502
20	exp historical article/	344808
21	Anecdotes as Topic/	4708
22	comment/	668490
23	case report/	1776864
24	(letter or comment*).ti.	111549
25	or/17-24	3637384
26	randomized controlled trial/ or random*.ti,ab.	911414
27	25 not 26	3617124
28	animals/ not humans/	4023391
29	exp Animals, Laboratory/	763418
30	exp Animal Experimentation/	6943
31	exp Models, Animal/	452689
32	exp Rodentia/	2803712
33	(rat or rats or mouse or mice).ti.	1163235
34	or/27-33	8288823
35	16 not 34	14890
36	limit 35 to english language	12979
37	limit 36 to yr="2010 -Current"	5082
38	exp Antiretroviral Therapy, Highly Active/	18252
39	HAART.ti,ab.	10968
40	(antiretroviral* adj2 (therap* or treatment* or regimen*)).ti,ab.	37062
41	or/38-40	44241

42	37 and 41 <b>No Filter</b>	1303
43	Meta-Analysis/	60401
44	Meta-Analysis as Topic/	14905
45	(meta analy* or metanaly* or metaanaly* or meta regression).ti,ab.	84269
46	((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.	96260
47	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.	29425
48	(search strategy or search criteria or systematic search or study selection or data extraction).ab.	31667
49	(search* adj4 literature).ab.	34410
50	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.	109800
51	cochrane.jw.	12005
52	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.	1644
53	or/43-52	244385
54	randomized controlled trial.pt.	412008
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57	placebo.ab.	168230
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62	or/54-61	3671551
63	clinical trials as topic.sh.	178736
64	trial.ti.	147025
65	or/54-57,59,63-64	1022866
66	53 or 65	1200162
67	42 and <b>66 with filters</b>	227

HIV & TB Economic evaluations search – all searches  
 Medline: 362

**\*\*\*Only one search required for all questions\*\*\*\***

Cochrane EED: 20 (See population searches for Cochrane)

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38	Economics/	26920
39	Value of life/	5515
40	exp "Costs and Cost Analysis"/	194007
41	exp Economics, Hospital/	20798
42	exp Economics, Medical/	13957
43	Economics, Nursing/	3940
44	Economics, Pharmaceutical/	2632
45	exp "Fees and Charges"/	27909
46	exp Budgets/	12575
47	budget*.ti,ab.	20979
48	cost*.ti.	89745
49	(economic* or pharmaco?economic*).ti.	36098
50	(price* or pricing*).ti,ab.	27822
51	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.	106456
52	(financ* or fee or fees).ti,ab.	84451
53	(value adj2 (money or monetary)).ti,ab.	1516
54	or/38-53	459983
55	37 and 54	362

HIV & TB Economic evaluations search – all searches  
 Medline: 362

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52	(financ* or fee or fees).ti,ab.	84451
53	(value adj2 (money or monetary)).ti,ab.	1516
54	or/38-53	459983
55	37 and 54	362