

PROTECTED B

Appendix
Table A3: Systematic Review Search Report
Suppressed viral load and risk of sexual transmission of HIV among serodiscordant couples on antiretroviral therapy

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Summary of results

Database Searched	Dates/Segment	Initial results
Medline [Ovid]	1946 to November 02, 2023	789
Embase [Ovid]	1974 to 2023 November 02	1664
Scopus [Elsevier]	Inception-today	467
EBM Reviews - Cochrane Central [Ovid]	September 2023	121
EBM Reviews – CDSR [Ovid]	2005 to November 1, 2023	20
Global Health [Ovid]	1973 to 2023 Week 44	617

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Search strategies

Medline [Ovid]

Ovid MEDLINE(R) ALL <1946 to November 02, 2023>		
1	exp Anti-Retroviral Agents/	87722
2	((antiretroviral or anti-retroviral) adj (agent? or therapy)).tw,kf.	55380
3	(anti-hiv adj2 (agent? or drug? or therapy)).tw,kf.	3782
4	((CCR5 adj3 (Receptor or Antagonist? or blocker?)) or Atazanavir-Sulfate or Darunavir or Indinavir or Lopinavir or Nelfinavir or Ritonavir or Saquinavir or Raltegravir Potassium or Maraviroc or Enfuvirtide or Cobicistat or Delavirdine or Didanosine or Emtricitabine or Lamivudine or Nevirapine or Rilpivirine or Stavudine or Tenofovir or Trichosanthin or Zalcitabine or Zidovudine).tw,kf.	41022
5	1 or 2 or 3 or 4	127561
6	Viral Load/	39073
7	((viral or virus) adj2 (load or burden or titer or titre)).tw,kf.	44698
8	("copies/ml" or "cells/ml" or "cells per cubic millimeter" or "<=1000copies/mL").tw,kf.	23519
9	((cells or copies) adj3 (millimeter or mm or ml or milliliter)).tw,kf.	42889
10	(undetectable or (limit? adj2 detect*) or "copies/*").tw,kf.	195476
11	or/6-10	285146
12	5 and 11	26707
13	sexual behavior/ or unsafe sex/	70831
14	Sexual Partners/	20587
15	((sex or sexual) adj3 (behavio?r* or unsafe* or partner* or transmi* or condomless)).tw,kf.	65366
16	((seropositiv* or seronegativ* or seroconver* or serodiscordan*) adj4 (partner* or couple*)).tw,kf.	1460
17	13 or 14 or 15 or 16	117976
18	12 and 17	810
19	limit 18 to yr="2000 - 2023"	789

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Embase [Ovid]

Embase <1974 to 2023 November 02>		
1	exp antiretrovirus agent/	231221
2	((antiretrovir* or anti-retrovir*) adj (agent? or therapy)).tw,kf,dq.	73266
3	(anti-hiv adj2 (agent? or drug? or therapy)).tw,kf,dq.	4813
4	((CCR5 adj3 (Receptor or Antagonist? or blocker?)) or Atazanavir-Sulfate or Darunavir or Indinavir or Lopinavir or Nelfinavir or Ritonavir or Saquinavir or Raltegravir Potassium or Maraviroc or Enfuvirtide or Cobicistat or Delavirdine or Didanosine or Emtricitabine or Lamivudine or Nevirapine or Rilpivirine or Stavudine or Tenofovir or Trichosanthin or Zalcitabine or Zidovudine).tw,kf,dq.	60977
5	or/1-4	265478
6	virus load/	109883
7	((viral or virus) adj2 (load or burden or titer or titre)).tw,kf,dq.	67728
8	("copies/ml" or "cells/ml" or "cells per cubic millimeter" or "<=1000copies/mL").tw,kf.	38074
9	((cells or copies) adj3 (millimeter or mm or ml or milliliter)).tw,kf.	74241
10	(undetectable or (limit? adj2 detect*) or "copies/*").tw,kf.	237869
11	or/6-10	404753
12	5 and 11	53596
13	sexual behavior/ or exp unsafe sex/	122874
14	((sex or sexual) adj3 (behavio?r* or unsafe* or partner* or transmi* or condomless or unprotected)).tw,kf,dq.	81176
15	((seropositiv* or seronegativ* or seroconver* or serodiscordan*) adj4 (partner* or couple*)).tw,kf,dq.	1869
16	13 or 14 or 15	161377
17	12 and 16	1664
18	limit 17 to yr="2000 - 2023"	1644

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EBM Reviews - Cochrane Database of Systematic Reviews [Ovid]

EBM Reviews - Cochrane Database of Systematic Reviews <2005 to November 1, 2023>		
1	((antiretrovir* or anti-retrovir*) adj (agent? or therapy)).tw.	175
2	(anti-hiv adj2 (agent? or drug? or therapy)).tw.	43
3	((CCR5 adj3 (Receptor or Antagonist? or blocker?)) or Atazanavir-Sulfate or Darunavir or Indinavir or Lopinavir or Nelfinavir or Ritonavir or Saquinavir or Raltegravir Potassium or Maraviroc or Enfuvirtide or Cobicistat or Delavirdine or Didanosine or Emtricitabine or Lamivudine or Nevirapine or Rilpivirine or Stavudine or Tenofovir or Trichosanthin or Zalcitabine or Zidovudine).tw.	133
4	1 or 2 or 3	257
5	((viral or virus) adj2 (load or burden or titer or titre)).tw.	155
6	("copies/ml" or "cells/ml" or "cells per cubic millimeter" or "<=1000copies/mL").tw.	77
7	((cells or copies) adj3 (millimeter or mm or ml or milliliter)).tw.	133
8	(undetectable or (limit? adj2 detect*) or "copies/*").tw.	149
9	or/5-8	334
10	4 and 9	126
11	((sex or sexual) adj3 (behavio?r* or unsafe* or partner* or transmi* or condomless or unprotected)).tw.	279
12	((seropositiv* or seronegativ* or seroconver* or serodiscordan*) adj4 (partner* or couple*)).tw.	19
13	11 or 12	282
14	10 and 13	29
15	limit 14 to yr="2000 - 2023"	20

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EBM Reviews - Cochrane Central Register of Controlled Trials [Ovid]

EBM Reviews - Cochrane Central Register of Controlled Trials <September 2023>		
1	exp Anti-Retroviral Agents/	8426
2	((antiretrovir* or anti-retrovir*) adj (agent? or therapy)).tw.	6473
3	(anti-hiv adj2 (agent? or drug? or therapy)).tw.	277
4	((CCR5 adj3 (Receptor or Antagonist? or blocker?)) or Atazanavir-Sulfate or Darunavir or Indinavir or Lopinavir or Nelfinavir or Ritonavir or Saquinavir or Raltegravir Potassium or Maraviroc or Enfuvirtide or Cobicistat or Delavirdine or Didanosine or Emtricitabine or Lamivudine or Nevirapine or Rilpivirine or Stavudine or Tenofovir or Trichosanthin or Zalcitabine or Zidovudine).tw.	9866
5	1 or 2 or 3 or 4	16182
6	Viral Load/	2952
7	((viral or virus) adj2 (load or burden or titer or titre)).tw.	6274
8	("copies/ml" or "cells/ml" or "cells per cubic millimeter" or "<=1000copies/mL").tw.	4530
9	((cells or copies) adj3 (millimeter or mm or ml or milliliter)).tw.	5510
10	(undetectable or (limit? adj2 detect*) or "copies/*").tw.	4469
11	or/6-10	14212
12	5 and 11	5904
13	sexual behavior/ or unsafe sex/	2935
14	Sexual Partners/	927
15	((sex or sexual) adj3 (behavio?r* or unsafe* or partner* or transmi* or condomless or unprotected)).tw.	4929
16	((seropositiv* or seronegativ* or seroconver* or serodiscordan*) adj4 (partner* or couple*)).tw.	183
17	13 or 14 or 15 or 16	6947
18	12 and 17	122
19	limit 18 to yr="2000 - 2023"	121

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Global Health [Ovid]

Global Health <1973 to 2023 Week 44>		
1	((antiretrovir* or anti-retrovir*) adj (agent? or therapy)).tw.	48718
2	(anti-hiv adj2 (agent? or drug? or therapy)).tw.	864
3	((CCR5 adj3 (Receptor or Antagonist? or blocker?)) or Atazanavir-Sulfate or Darunavir or Indinavir or Lopinavir or Nelfinavir or Ritonavir or Saquinavir or Raltegravir Potassium or Maraviroc or Enfuvirtide or Cobicistat or Delavirdine or Didanosine or Emtricitabine or Lamivudine or Nevirapine or Rilpivirine or Stavudine or Tenofovir or Trichosanthin or Zalcitabine or Zidovudine).tw.	21296
4	1 or 2 or 3	61101
5	((viral or virus) adj2 (load or burden or titer or titre)).tw.	30461
6	("copies/ml" or "cells/ml" or "cells per cubic millimeter" or "<=1000copies/mL").tw.	13832
7	((cells or copies) adj3 (millimeter or mm or ml or milliliter)).tw.	16664
8	(undetectable or (limit? adj2 detect*) or "copies/*").tw.	52024
9	or/5-8	87500
10	4 and 9	14863
11	((sex or sexual) adj3 (behavio*r* or unsafe* or partner* or transmi* or condomless or unprotected)).tw.	43249
12	((seropositiv* or seronegativ* or seroconver* or serodiscordan*) adj4 (partner* or couple*)).tw.	944
13	11 or 12	43629
14	10 and 13	625
15	limit 14 to yr="2000 - 2023"	617

Scopus [Elsevier]

(TITLE-ABS (((antiretrovir* OR anti-retrovir*) W/1 (agent* OR therapy)) OR (anti-hiv W/2 (agent* OR drug* OR therapy)) OR ((ccr5 W/3 (receptor OR antagonist* OR blocker*)) OR atazanavir-sulfate OR darunavir OR indinavir OR lopinavir OR nelfinavir OR ritonavir OR saquinavir OR raltegravir AND potassium OR maraviroc OR enfuvirtide OR cobicistat OR delavirdine OR didanosine OR emtricitabine OR lamivudine OR nevirapine OR rilpivirine OR stavudine OR tenofovir OR trichosanthin OR zalcitabine OR zidovudine))) AND (TITLE-ABS (((viral OR virus) W/2 (load OR burden OR titer OR titre)) OR ("copies/ml" OR "cells/ml" OR "cells per cubic millimeter" OR "<=1000copies/mL") OR ((cells OR copies) W/3 (millimeter OR mm OR ml OR milliliter)) OR (undetectable OR (limit* W/2 detect*) OR "copies/*"))) AND (TITLE-ABS (((sex OR sexual) W/3 (behavio*r* OR unsafe* OR partner* OR transmi* OR condomless OR unprotected)) OR ((seropositiv* OR seronegativ* OR seroconver* OR serodiscordan*) W/4 (partner* OR couple*)))) AND PUBYEAR > 1999	467
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Legend for databases

/	At the end of a term or phrase, searches for term or phrase as a subject heading (index term).
*	"unlimited" truncation symbol. It substitutes for any number of characters at the end of a term or the root of a term, to retrieve plurals and variant spellings Before a subject heading, indicates that the subject heading is a main topic of the article
?	"wildcard" symbol. Substitutes for one or no characters
.ab	Abstract field code
ab. /freq=2	Searches for terms that are present at least twice in the abstract
.kf	Keywords assigned by authors
.mp	Multipurpose field code – searches in title, abstract, drug trade name (tn) and additional fields
.ti	Title field code
.tw	Text Word field code. In Embase includes title, abstract, and drug trade name (tn)
adj#	Operator that searches for terms adjacent within # number of words, in any order
exp	"Explodes" a subject heading by searching for the main subject heading and for all Narrower Terms