

Table S1: Search strategy and results, by database

| Database and date searched | Search strategy | Results |
|------------------------------------|--|---------|
| Medline (Ovid) 22 December 2022 | 1. "sexually transmi*".mp. | 51535 |
| | 2. STD*.mp. | 15472 |
| | 3. STI.mp. | 11355 |
| | 4. STIs.mp. | 7088 |
| | 5. venereal.mp. | 7201 |
| | 6. HIV.mp. | 394132 |
| | 7. "human immunodeficiency virus*".mp. | 106964 |
| | 8. chlamydia.mp. | 32063 |
| | 9. syphilis.mp. | 37325 |
| | 10. "acquired immune deficiency syndrome".mp. | 6296 |
| | 11. "acquired immunodeficiency syndrome".mp. | 92289 |
| | 12. "sexual health".mp. | 13857 |
| | 13. "reproductive health".mp. | 21891 |
| | 14. gonorr*.mp. | 26582 |
| | 15. exp Sexually Transmitted Diseases/ | 373347 |
| | 16. exp HIV/ | 106401 |
| | 17. exp Chlamydia Infections/ or exp Chlamydia/ or exp Chlamydia trachomatis/ | 26635 |
| | 18. exp Gonorrhea/ or exp Neisseria gonorrhoeae/ | 19904 |
| | 19. exp Syphilis/ or exp Syphilis, Congenital/ | 29312 |
| | 20. exp Acquired Immunodeficiency Syndrome/ | 78138 |
| | 21. exp Sexual Health/ | 2276 |
| | 22. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 | 589429 |
| | 23. "system* thinking".mp. | 1563 |
| | 24. "system* science".mp. | 801 |
| | 25. "system* dynamics".mp. | 3211 |
| | 26. "system* model*".mp. | 7655 |
| | 27. "system* analys*".mp. | 23360 |
| | 28. "system* theor*".mp. | 7261 |
| | 29. "system* approach*".mp. | 21101 |
| | 30. "system* medicine*".mp. | 681 |
| | 31. "system* oriented approach".mp. | 73 |
| | 32. "system*-oriented approach".mp. | 73 |
| | 33. "complex* science".mp. | 425 |
| | 34. "complex system*".mp. | 12982 |
| | 35. "complexity theor*".mp. | 528 |
| | 36. "adaptive system*".mp. | 1717 |
| | 37. "system* lens".mp. | 110 |
| | 38. "system* perspective".mp. | 2999 |
| | 39. "soft system*".mp. | 214 |

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| | 40. "big-picture thinking".mp. | 13 |
| | 41. "big picture thinking".mp. | 13 |
| | 42. "design thinking".mp. | 455 |
| | 43. "hierarchical thinking".mp. | 13 |
| | 44. "holistic thinking".mp. | 75 |
| | 45. "multidimensional thinking".mp. | 6 |
| | 46. "multi-dimensional thinking".mp. | 2 |
| | 47. exp Systems Analysis/ | 101549 |
| | 48. exp Systems Theory/ | 3081 |
| | 49. 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 | 173064 |
| | 50. 22 AND 49 | 1962 |
| | 51. limit 50 to (english language and yr="2010 - Current") | 1258 |
| Cochrane CENTRAL 22 December 2022 | 1. MeSH descriptor: [Sexually Transmitted Diseases] explode all trees | 15457 |
| | 2. (sexually NEXT transmi*):ti,ab,kw | 2907 |
| | 3. STD:ti,ab,kw | 1211 |
| | 4. STI:ti,ab,kw | 1526 |
| | 5. venereal:ti,ab,kw | 86 |
| | 6. HIV:ti,ab,kw | 29531 |
| | 7. MeSH descriptor: [HIV] explode all trees | 3291 |
| | 8. (human NEXT immunodeficiency):ti,ab,kw | 13253 |
| | 9. chlamydia:ti,ab,kw | 1823 |
| | 10. MeSH descriptor: [Chlamydia] explode all trees | 362 |
| | 11. gonorrh*ea:ti,ab,kw | 1325 |
| | 12. MeSH descriptor: [Gonorrhea] explode all trees | 513 |
| | 13. syphilis:ti,ab,kw | 809 |
| | 14. MeSH descriptor: [Syphilis] explode all trees | 169 |
| | 15. (acquired NEXT immune):ti,ab,kw | 1166 |
| | 16. MeSH descriptor: [Acquired Immunodeficiency Syndrome] explode all trees | 2063 |
| | 17. (sexual NEXT health):ti,ab,kw | 1559 |
| | 18. MeSH descriptor: [Sexual Health] explode all trees | 84 |
| | 19. (reproductive NEXT health):ti,ab,kw | 1662 |
| | 20. #1 or #2 or #3 or #4 #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 #16 or #17 or #18 or #19 | 37456 |
| | 21. (system* NEXT thinking):ti,ab,kw | 28 |
| | 22. (system* NEXT science):ti,ab,kw | 9 |
| | 23. (system* NEXT dynamics):ti,ab,kw | 27 |
| | 24. (system* NEXT model):ti,ab,kw | 161 |
| | 25. (system* NEXT analysis):ti,ab,kw | 385 |

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| | 26. (system* NEXT theory):ti,ab,kw | 128 |
| | 27. (system* NEXT approach):ti,ab,kw | 552 |
| | 28. (system* NEXT medicine):ti,ab,kw | 21 |
| | 29. (system NEXT oriented):ti,ab,kw | 7 |
| | 30. (complex* NEXT science):ti,ab,kw | 12 |
| | 31. (complex NEXT system*):ti,ab,kw | 109 |
| | 32. (complexity NEXT theor*):ti,ab,kw | 7 |
| | 33. (adaptive NEXT system*):ti,ab,kw | 31 |
| | 34. (system* NEXT lens):ti,ab,kw | 14 |
| | 35. (system* NEXT perspective):ti,ab,kw | 395 |
| | 36. (soft NEXT system*):ti,ab,kw | 6 |
| | 37. (big NEXT picture NEXT thinking):ti,ab,kw | 0 |
| | 38. "design thinking":ti,ab,kw | 23 |
| | 39. "hierarchical thinking":ti,ab,kw | 0 |
| | 40. "holistic thinking":ti,ab,kw | 8 |
| | 41. "multidimensional thinking":ti,ab,kw | 0 |
| | 42. MeSH descriptor: [Systems Analysis] explode all trees | 1906 |
| | 43. MeSH descriptor: [Systems Theory] explode all trees | 22 |
| | 44. #21 #23 or #24 or #25 or #26 or #27 or #28 #29 #31 or #32 or #33 or #34 or #35 or #36 #37 or #38 or #39 or #40 or #41 #42 or #43 | 1675 |
| | 45. #20 AND #44 with Cochrane Library publication date Between Jan 2010 and Dec 2022 | 68 |
| EMBASE (Ovid) 22 December 2022 | 1. "sexually transmi*".mp. | 68658 |
| | 2. STD*.mp. | 23428 |
| | 3. STI.mp. | 20767 |
| | 4. STIs.mp. | 10772 |
| | 5. venereal.mp. | 6184 |
| | 6. HIV.mp. | 453911 |
| | 7. "human immunodeficiency virus*".mp. | 497256 |
| | 8. chlamydia.mp. | 42215 |
| | 9. syphilis.mp. | 36919 |
| | 10. "acquired immune deficiency syndrome".mp. | 142109 |
| | 11. "acquired immunodeficiency syndrome".mp. | 23493 |
| | 12. "sexual health".mp. | 28044 |
| | 13. "reproductive health".mp. | 33328 |
| | 14. gonorr*.mp. | 33949 |
| | 15. exp Sexually Transmitted Diseases/ | 98968 |
| | 16. exp HIV/ | 215231 |
| | 17. exp Chlamydia Infections/ or exp Chlamydia/ or exp Chlamydia trachomatis/ | 41348 |
| | 18. exp Gonorrhea/ or exp Neisseria gonorrhoeae/ | 31058 |
| | 19. exp Syphilis/ or exp Syphilis, Congenital/ | 30219 |
| | 20. exp Acquired Immunodeficiency Syndrome/ | 152343 |

| | | |
|---------------------------------------|--|--------|
| | 21. exp Sexual Health/ | 20294 |
| | 22. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 | 790365 |
| | 23. "system* thinking".mp. | 1766 |
| | 24. "system* science".mp. | 923 |
| | 25. "system* dynamics".mp. | 3302 |
| | 26. "system* model*".mp. | 8872 |
| | 27. "system* analys*".mp. | 41838 |
| | 28. "system* theor*".mp. | 7191 |
| | 29. "system* approach*".mp. | 26910 |
| | 30. "system* medicine*".mp. | 995 |
| | 31. "system* oriented approach".mp. | 94 |
| | 32. "system*-oriented approach".mp. | 94 |
| | 33. "complex* science".mp. | 473 |
| | 34. "complex system*".mp. | 13593 |
| | 35. "complexity theor*".mp. | 567 |
| | 36. "adaptive system*".mp. | 1881 |
| | 37. "system* lens".mp. | 122 |
| | 38. "system* perspective".mp. | 4421 |
| | 39. "soft system*".mp. | 217 |
| | 40. "big-picture thinking".mp. | 13 |
| | 41. "big picture thinking".mp. | 13 |
| | 42. "design thinking".mp. | 527 |
| | 43. "hierarchical thinking".mp. | 14 |
| | 44. "holistic thinking".mp. | 92 |
| | 45. "multidimensional thinking".mp. | 8 |
| | 46. "multi-dimensional thinking".mp. | 2 |
| | 47. exp Systems Analysis/ | 21846 |
| | 48. exp Systems Theory/ | 2964 |
| | 49. 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 | 107289 |
| | 50. 22 and 49 | 1859 |
| | 51. limit 50 to (english language and yr="2010 - Current") | 1380 |
| Web of Science 22 December 2022 | 1. (((((((((((((((((AB=(sexually NEAR/2 transmi*)) OR ALL=(STD*)) OR ALL=(STI)) OR ALL=(STIs)) OR ALL=(venereal)) OR ALL=(HIV)) OR AB=(human NEAR/1 immunodeficiency NEAR/1 virus*)) OR ALL=(chlamydia)) OR ALL=(syphilis)) OR AB=(acquired NEAR/1 immun*)) OR AB=(sexual NEAR/1 health)) OR AB=(reproductive NEAR/1 health)) OR ALL=(gonorr*)) OR TI=("sexually transmi*")) OR TI=("human immun*")) OR TI=("acquired immun*")) OR TI=("sexual health")) | 350002 |

Supplementary Document S1: List of studies excluded at full-text screening

Aantjes CJ, Burrows D, Armstrong R. Capacity development in pursuit of social change: an examination of processes and outcomes. *Development in Practice* [Internet]. 2022;32(4):536–50.

Reason for exclusion: Ineligible condition

Abbate JL, Murall CL, Richner H, Althaus CL. Potential Impact of Sexual Transmission on Ebola Virus Epidemiology: Sierra Leone as a Case Study. *PLoS Neglected Tropical Diseases* [electronic resource] [Internet]. 2016;10(5):e0004676.

Reason for exclusion: Ineligible phenomena of interest

Abdullah MA, Shaikh BT, Ghazanfar H. Curing or causing? HIV/AIDS in health care system of Punjab, Pakistan. *PLoS ONE* [Electronic Resource] [Internet]. 2021;16(7):e0254476.

Reason for exclusion: Ineligible phenomena of interest

Abdullah MA, Shaikh BT. Confusion and denial: need for systems thinking to understand the HIV epidemic in Pakistan. *Journal of Ayub Medical College, Abbottabad: JAMC* [Internet]. 2014;26(3):396–400.

Reason for exclusion: Ineligible study design

Abdullah MA, Shaikh BT. Review of HIV response in Pakistan using a system thinking framework. *Global health action* [Internet]. 2015;8:25820.

Reason for exclusion: Ineligible study design

Adam PC, de Wit JB, Bourne CP, Knox D, Purchas J. Promoting regular testing: an examination of HIV and STI testing routines and associated socio-demographic, behavioral and social-cognitive factors among men who have sex with men in New South Wales, Australia. *AIDS and behavior*. 2014;18(5):921–32.

Reason for exclusion: Ineligible phenomena of interest

Adams JW, Khan MR, Bessey SE, Friedman SR, McMahon JM, Lurie MN, et al. Preexposure prophylaxis strategies for African-American women affected by mass incarceration. *AIDS* [Internet]. 2021;35(3):453–62.

Reason for exclusion: Ineligible phenomena of interest

Adams OP, Carter AO, Redwood-Campbell L. Understanding attitudes, barriers and challenges in a small island nation to disease and partner notification for HIV and other sexually transmitted infections: a qualitative study. *BMC Public Health*. 2015;15(1):1–9.

Reason for exclusion: Ineligible phenomena of interest

Adeoti AO, Demir E, Adeyemi S, Yakutcan U, Kengne AP, Kayode G, et al. Impact of pre-exposure and post-exposure prophylaxes prevention programme on HIV burden and services in a low-resource setting: a simulation modelling approach. *The Pan African medical journal* [Internet]. 2021;40:163.

Reason for exclusion: Ineligible phenomena of interest

Agadjanian V, Markosyan K, Team C-A. Labor migration and STI/HIV risks in Armenia: assessing prevention needs and designing effective interventions. Caucasus Research Resource Centers, Yerevan, Armenia. 2013;

Reason for exclusion: Ineligible phenomena of interest

Agadjanian V, Zotova N. Structure, culture, and HIV/STI vulnerabilities among migrant women in Russia. In: Immigration and Health. 2019.

Reason for exclusion: Ineligible phenomena of interest

Ahmad FA, Dickey V, Tetteh EK, Foraker R, McKay VR. The Use of the Consolidated Framework for Implementation Research to Understand Facilitators and Barriers to Sexually Transmitted Infection Screening in Primary Care. Sexually Transmitted Diseases [Internet]. 2022;49(9):610–5.

Reason for exclusion: Ineligible phenomena of interest

Ahrens KR, Spencer R, Bonnar M, Coatney A, Hall T. Qualitative evaluation of historical and relational factors influencing pregnancy and sexually transmitted infection risks in foster youth. Children and Youth Services Review [Internet]. 2016;61:245–52.

Reason for exclusion: Ineligible phenomena of interest

Alfaro-Ponce M, Arguelles A, Chairez I. Continuous neural identifier for uncertain nonlinear systems with time delays in the input signal. Neural Networks [Internet]. 2014;60:53–66.

Reason for exclusion: Ineligible context

Aliabadi N, Carballo-Diequez A, Bakken S, Rojas M, Brown III W, Carry M, et al. Using the information-motivation-behavioral skills model to guide the development of an HIV prevention smartphone application for high-risk MSM. AIDS education and prevention: official publication of the International Society for AIDS Education. 2015;27(6):522.

Reason for exclusion: Ineligible phenomena of interest

Allen S, Kilembe W, Inambao M, Wall K, Vwalika B, Appiagye A, et al. From research to policy to implementation: A national plan for couples' voluntary HIV counseling and testing (CVCT) in Zambia. AIDS Research and Human Retroviruses [Internet]. 2016;32(Supplement 1):74.

Reason for exclusion: Ineligible study design

Althaus CL, De Boer RJ. Intracellular transactivation of HIV can account for the decelerating decay of virus load during drug therapy. Molecular Systems Biology [Internet]. 2010;6:348.

Reason for exclusion: Ineligible context

Aminullah E. STI policy and R&D governance for the attainment of SDGs: envisioning the Indonesia's future. Asian Journal of Technology Innovation [Internet]. 2020;28(2):204–33.

Reason for exclusion: Ineligible condition

Amiri S, Pham CD, Amram O, Alcover KC, Oluwoye O, Bravo L, et al. Proximity to Screening Site, Rurality, and Neighborhood Disadvantage: Treatment Status among Individuals with Sexually Transmitted Infections in Yakima County, Washington. *International Journal of Environmental Research and Public Health* [Internet]. 2020;17(8).

Reason for exclusion: Ineligible phenomena of interest

Anderson J. Workforce considerations in getting to zero. *Sexually Transmitted Infections* [Internet]. 2021;97(SUPPL 1):A1.

Reason for exclusion: Ineligible study design

Anderson S, Shannon K, Li J, Lee Y, Chettiar J, Goldenberg S, et al. Condoms and sexual health education as evidence: impact of criminalization of in-call venues and managers on migrant sex workers access to HIV/STI prevention in a Canadian setting. *BMC international health and human rights*. 2016;16(1):1–10.

Reason for exclusion: Ineligible phenomena of interest

Andrews MM, Storm DS, Burr CK, Aaron E, Hoyt MJ, Statton A, et al. Perinatal HIV Service Coordination: Closing Gaps in the HIV Care Continuum for Pregnant Women and Eliminating Perinatal HIV Transmission in the United States. *Public Health Reports* [Internet]. 2018;133(5):532–42.

Reason for exclusion: Ineligible phenomena of interest

Anku PJ, Amo-Adjei J, Doku D, Kumi-Kyereme A. Challenges of scaling-up of TB-HIV integrated service delivery in Ghana. *PLoS ONE* [Electronic Resource] [Internet]. 2020;15(7):e0235843.

Reason for exclusion: Ineligible phenomena of interest

Annadurai K, Bagavandas M. A systematic approach for early identification of Syphilis Infection among Men having Sex with Men in Chennai City: - A Page Rank Based Approach. *Indian Journal of Community Health*. 2017;29(4):389–95.

Reason for exclusion: Duplicate study

Apenteng OO, Ismail NA. A Markov Chain Monte Carlo Approach to Estimate AIDS after HIV Infection. *PLoS ONE* [Electronic Resource] [Internet]. 2015;10(7):e0131950.

Reason for exclusion: Ineligible phenomena of interest

Apidechkul T. An effectiveness of HIV/AIDS prevention model in akha youths, Thailand. *Journal of Microbiology, Immunology and Infection* [Internet]. 2015;1):S34.

Reason for exclusion: Ineligible study design

Aral SO, Leichliter JS, Blanchard JF. Overview: the role of emergent properties of complex systems in the epidemiology and prevention of sexually transmitted infections including HIV infection. *Sexually Transmitted Infections* [Internet]. 2010;86 Suppl 3:iii1-3.

Reason for exclusion: Ineligible study design

Armenta RF, Kellogg D, Montoya JL, Romero R, Armao S, Calac D, et al. â€œThere is a lot of

practice in not thinking about thatâ€¢: Structural, interpersonal, and individual-level barriers to HIV/STI prevention among Reservation based American Indians. *International Journal of Environmental Research and Public Health*. 2021;18(7):3566.

Reason for exclusion: Ineligible phenomena of interest

Armitage G, Hodgson I, Wright J, Bailey K, Mkhwana E. Exploring the delivery of antiretroviral therapy for symptomatic HIV in Swaziland: threats to the successful treatment and safety of outpatients attending regional and district clinics. *BMJ Quality & Safety* [Internet]. 2011;20(1):52–9.

Reason for exclusion: Ineligible phenomena of interest

Arnold EA, Hazelton P, Lane T, Christopoulos KA, Galindo GR, Steward WT, et al. A qualitative study of provider thoughts on implementing pre-exposure prophylaxis (PrEP) in clinical settings to prevent HIV infection. *PLoS ONE*. 2012;7(7):e40603.

Reason for exclusion: Ineligible phenomena of interest

Arrington-Sanders R, Ellen J. A systems approach to improve human immunodeficiency virus screening in sexually active youth in urban academic ambulatory settings. *Sexually Transmitted Diseases* [Internet]. 2011;38(8):777–9.

Reason for exclusion: ineligible publication date

Atinga RA, Agyepong IA, Esena RK. Willing but unable? Extending theory to investigate community capacity to participate in Ghana's community-based health planning and service implementation. *Evaluation and program planning* [Internet]. 2019;72:170–8.

Reason for exclusion: Ineligible condition

Auerbach JD, Forsyth AD, Davey C, Hargreaves JR, Group for lessons from pandemic HIV prevention for the C. Living with COVID-19 and preparing for future pandemics: revisiting lessons from the HIV pandemic. *The Lancet HIV* [Internet]. 2022;9:9.

Reason for exclusion: Ineligible study design

Bailey SL, Bono RS, Nash D, Kimmel AD. Implementing parallel spreadsheet models for health policy decisions: The impact of unintentional errors on model projections. *PLoS ONE* [Electronic Resource] [Internet]. 2018;13(3):e0194916.

Reason for exclusion: Ineligible phenomena of interest

Bain LE, Tarkang EE, Ebuenyi ID, Kamadjeu R. The HIV/AIDS pandemic will not end by the year 2030 in low and middle income countries. *The Pan African medical journal* [Internet]. 2019;32:67.

Reason for exclusion: Ineligible study design

Baker C, Limato R, Tumbelaka P, Rewari BB, Nasir S, Ahmed R, et al. Antenatal testing for anaemia, HIV and syphilis in Indonesia - a health systems analysis of low coverage. *BMC Pregnancy & Childbirth* [Internet]. 2020;20(1):326.

Reason for exclusion: Ineligible phenomena of interest

Baraitser P, Holdsworth G, Joia DS, Free C. Contemporary technology for patientcentred innovation - A mixed method evaluation in sexual health. International journal for quality in health care [Internet]. 2017;29:54â€œ.

Reason for exclusion: Ineligible phenomena of interest

Barbee LA, Khosropour CM, Dombrowski JC, Golden MR. New HIV diagnosis independently associated with rectal gonorrhea and chlamydia in men who have sex with men. Sexually Transmitted Diseases. 2017;44(7):385.

Reason for exclusion: Ineligible phenomena of interest

Bautista-Arredondo S, Nance N, Salas-Ortiz A, Akeju D, Oluwayinka AG, Ezirim I, et al. The role of management on costs and efficiency in HIV prevention interventions for female sex workers in Nigeria: A cluster-randomized control trial NCT03371914 NCT. Cost effectiveness and resource allocation [Internet]. 2018;16(1) (no pagination).

Reason for exclusion: Duplicate study

Bautista-Arredondo S, Nance N, Salas-Ortiz A, Akeju D, Oluwayinka AG, Ezirim I, et al. The role of management on costs and efficiency in HIV prevention interventions for female sex workers in Nigeria: a cluster-randomized control trial NCT03371914 NCT 11 Medical and Health Sciences 1117 Public Health and Health Services. Cost effectiveness and resource allocation [Internet]. 2018;16(1).

Reason for exclusion: Duplicate

Bautista-Arredondo S, Nance N, Salas-Ortiz A, Akeju D, Oluwayinka AG, Ezirim I, et al. The role of management on costs and efficiency in HIV prevention interventions for female sex workers in Nigeria: a cluster-randomized control trial. Cost Effectiveness & Resource Allocation [Internet]. 2018;16:37.

Reason for exclusion: Duplicate study

Bavinton BR, Grulich AE. HIV pre-exposure prophylaxis: scaling up for impact now and in the future. Lancet Public Health [Internet]. 2021;6(7):E528–33.

Reason for exclusion: Ineligible study design

Bazira D, Lavoie MC, Marima R, Koech E, Claassen C. Academic institutional impact on global HIV pandemic response: A decade of Implementing PEPFAR programs by University of Maryland Baltimore. Journal of Acquired Immune Deficiency Syndromes [Internet]. 2019;81(Supplement 1):46.

Reason for exclusion: Ineligible study design

Bekker LG, Beyrer C, Quinn TC. Behavioral and biomedical combination strategies for HIV prevention. Cold Spring Harbor Perspectives in Medicine [Internet]. 2012;2(8):1.

Reason for exclusion: Ineligible study design

Bekker LG, Ratevosian J, Spencer J, Piot P, Beyrer C. Governance for health: the HIV response and general global health. Bulletin of the World Health Organization [Internet]. 2019;97(3):170–170A.

Reason for exclusion: Ineligible study design

Beltran LF, Davis DA, Barrington C, Castro M, Perez D. "I did not get this disease on the street; it was brought home as a gift": Gender, violence and HIV vulnerability among Cuban women. *Culture, Health & Sexuality* [Internet]. 2022;24(8):1107–21.

Reason for exclusion: Ineligible phenomena of interest

Bemelmans M, Baert S, Goemaere E, Wilkinson L, Vandendyck M, van Cutsem G, et al. Community-supported models of care for people on HIV treatment in sub-Saharan Africa. *Tropical Medicine & International Health* [Internet]. 2014;19(8):968–77.

Reason for exclusion: Ineligible study design

Bernstein KT. Systems Approaches to Improving Rates of Extragenital Chlamydia and Gonorrhea Screening Among Men Who Have Sex With Men Engaged in Human Immunodeficiency Virus Care. *Sexually Transmitted Diseases* [Internet]. 2015;42(10):599–600.

Reason for exclusion: Ineligible study design

Beyrer C, Sullivan P, Sanchez J, Baral SD, Collins C, Wirtz AL, et al. The increase in global HIV epidemics in MSM. *AIDS*. 2013;27(17):2665–78.

Reason for exclusion: Ineligible study design

Beyrer C, Sullivan PS, Sanchez J, Dowdy D, Altman D, Trapence G, et al. A call to action for comprehensive HIV services for men who have sex with men. *The Lancet*. 2012;380(9839):424–38.

Reason for exclusion: Ineligible study design

Bhunu CP, Mushayabasa S. Assessing the effects of drug misuse on HIV/AIDS prevalence. *Theory in Biosciences* [Internet]. 2013;132(2):83–92.

Reason for exclusion: Ineligible phenomena of interest

Bibi Z, Ahmad J, Ali A, Siddiqa A, Shahzad S, Tareen SHK, et al. On the modeling and analysis of the biological regulatory network of NF- κ B activation in HIV-1 infection. *Complex Adaptive Systems Modeling* [Internet]. 2016;4.

Reason for exclusion: Ineligible context

Bilodeau A, Beauchemin J, Bourque D, Galarneau M. The analysis of complex interventions in public health: the STD prevention case at Montreal. *Canadian Journal of Public Health- Revue Canadienne De Sante Publique* [Internet]. 2013;104(2):E177–82.

Reason for exclusion: Not English

Birnbaum JM, Loundsbury DW, Eastwood E, Palma A, Jo GY. USE OF SYSTEM DYNAMICS MODELING AS A TOOL FOR EVALUATION OF INTERVENTION PLANNING FOR HIV plus ADOLESCENTS AND THEIR RETENTION IN CARE IN AN URBAN ADOLESCENT HIV CLINIC. *Journal of Adolescent Health* [Internet]. 2013;52(2):S82–3.

Reason for exclusion: Ineligible study design

Birnbaum JM, Loundsbury DW, Eastwood E, Palma A, Jo GY. USE OF SYSTEM DYNAMICS MODELING AS A TOOL FOR EVALUATION OF INTERVENTION PLANNING FOR HIV plus ADOLESCENTS AND THEIR RETENTION IN CARE IN AN URBAN ADOLESCENT HIV CLINIC. Journal of Adolescent Health [Internet]. 2013;52(2):S82–3.

Reason for exclusion: Duplicate

Birnbaum JM, Loundsbury DW, Eastwood E, Palma A, Jo GY. Use of system dynamics modeling as a tool for evaluation of intervention planning for HIV< adolescents and their retention in care in an Urban adolescent HIV clinic. Journal of Adolescent Health [Internet]. 2013;1):S82–3.

Reason for exclusion: Ineligible study design

Birnbaum JM, Loundsbury DW, Eastwood E, Palma A, Jo GY. Use of system dynamics modeling as a tool for evaluation of intervention planning for HIV< adolescents and their retention in care in an Urban adolescent HIV clinic. Journal of Adolescent Health [Internet]. 2013;1):S82–3.

Reason for exclusion: Duplicate

Black DS, Sun P, Rohrbach LA, Sussman S. Decision-making style and gender moderation of the self-efficacyâ€•condom use link among adolescents and young adults: Informing targeted STI/HIV prevention programs. Archives of Pediatrics & Adolescent Medicine. 2011;165(4):320–5.

Reason for exclusion: Ineligible phenomena of interest

Blackstock OJ, Frew P, Bota D, Vo-Green L, Parker K, Franks J, et al. Perceptions of community HIV/STI risk among US women living in areas with high poverty and HIV prevalence rates. Journal of health care for the poor and underserved. 2015;26(3):811.

Reason for exclusion: Ineligible phenomena of interest

Blanchard JF, Aral SO. Emergent properties and structural patterns in sexually transmitted infection and HIV research. Sexually Transmitted Infections [Internet]. 2010;86 Suppl 3:iii4–9.

Reason for exclusion: ineligible publication date

Borawski EA, Tufts KA, Trapl ES, Hayman LL, Yoder LD, Lovegreen LD. Effectiveness of health education teachers and school nurses teaching sexually transmitted infections/human immunodeficiency virus prevention knowledge and skills in high school. Journal of School Health. 2015;85(3):189–96.

Reason for exclusion: Ineligible phenomena of interest

Bouchnita A, Bocharov G, Meyerhans A, Volpert V. Towards a Multiscale Model of Acute HIV Infection. Computation [Internet]. 2017;5(1).

Reason for exclusion: Ineligible context

Boyd MA, Nwizu CA. Operational research in HIV priority areas: the African way. The Lancet [Internet]. 2010;376(9734):4–6.

Reason for exclusion: Ineligible study design

Bradley E, Thompson JW, Byam P, Webster TR, Zerihun A, Alpern R, et al. Access and quality of rural healthcare: Ethiopian Millennium Rural Initiative. *International journal for quality in health care* [Internet]. 2011;23(3):222–30.

Reason for exclusion: ineligible publication date

Brady M, Manning J. Lessons from reproductive health to inform multipurpose prevention technologies: Don't reinvent the wheel. *Antiviral Research* [Internet]. 2013;100(SUPPL.):S25–31.

Reason for exclusion: Ineligible study design

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