

SUPPLEMENTAL DIGITAL CONTENT

Community Level Determinants of HIV Among Key Populations

Search Protocol

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Background/justification

Key populations, including Female Sex Workers, Men who have sex with Men and People who inject Drugs have a disproportionate burden of HIV/AIDS. Key populations are characterized with significantly greater HIV prevalence in many settings. These key populations are subject to structural, community, and individual-level determinants associated with a higher HIV prevalence. There is a lack of information regarding community level determinants of HIV prevalence such as stigma, enacted and perceived, discrimination, and social cohesion. This review aims to systematically review the studies that have examined the community level impact on HIV among key populations.

Search Criteria

Inclusion Criteria:

- Type of Study: Any study design that included biological confirmatory testing of HIV amongst sex workers, men who have sex with men, and people who inject drugs, transgender people
- Time Period: Studies published after 2000 were included to limit the information to the current context for key populations.
- Language: English, French, Spanish
- Publication Type: Peer-reviewed literature only.
- Geographic Considerations: Low and middle income countries
- Minimum information included: Sample method, sample size, location, and biological HIV testing results, significant risk factors, measures of association: Odds ratios, adjusted odds ratio, HRR, HR, chi-square, etc

Exclusion Criteria

- Studies published before 2000
- Studies in high income countries
- Grey literature

Study quality assessment

Due to the overall objective of obtaining epidemiological trends amongst key populations, sources will not be excluded on the basis of quality provided that they meet all the inclusion criteria and exclusion criteria as defined above.

First and second reviewers conduct parallel screening of titles found in the search. If either one or both of the two reviewers selects a title for abstract review, the abstract will be obtained and both reviewers independently assess for inclusion in the full article review. If either one or both of reviewers selects the abstract for full article review, the article will be pulled for full article review.

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Data extraction strategy

The following fields will be extracted for each source reviewed:

- Source reference
- Source type (journal article, abstract)
- Country
- Sampling methods
- Sample size
- Any community level determinant including variables that address stigma, discrimination, stereotyping, prejudice, homonegativity, alienation, social perception, and are significantly associated with HIV prevalence, including the measure of the association and the confidence interval.

Search Terms

Electronic Database: The National Library of Medicine's MEDLINE database is one of the most comprehensive sources of health care information in the world and will be searched using the PubMed interface.

Search Terms PubMed:

HIV

"HIV"[mh] OR "HIV-1"[mh] OR "HIV-2"[mh] OR "HIV"[all] OR "HIV-1"[all] OR "HIV-2"[all] OR "Human immunodeficiency viruses"[all] OR "AIDS virus"[all] OR "AIDS viruses"[all] OR "HTLV-III"[all] OR "Human Immunodeficiency Virus"[all] OR "Human Immunodeficiency Viruses"[all] OR "Human T Cell Lymphotropic Virus Type III"[all] OR "Human T Lymphotropic Virus Type III"[all] OR "Human T-Cell Leukemia Virus Type III"[all] OR "Human T Cell Leukemia Virus Type III"[all] OR "Human T-Cell Lymphotropic Virus Type III"[all] OR "Human T-Lymphotropic Virus Type III"[all] OR "LAV-HTLV-III"[all] OR "Lymphadenopathy-Associated Virus"[all] OR "Lymphadenopathy Associated Virus"[all] OR "Lymphadenopathy-Associated Viruses"[all] OR "Acquired Immune Deficiency Syndrome Virus"[all] OR "Acquired Immunodeficiency Syndrome Virus"[all] OR "Human Immunodeficiency Virus Type 1"[all] OR "HIV-I"[all] OR "Human immunodeficiency virus 1"[all] OR "HTLV-IV"[all] OR "HIV-II"[all] OR "Human T Lymphotropic Virus Type IV"[all] OR "Human T-Lymphotropic Virus Type IV"[all] OR "LAV-2"[all] OR "Human immunodeficiency virus 2"[all] OR "Human Immunodeficiency Virus Type 2"[all] OR "SBL-6669"[all] OR "HIV Infections"[mh] OR "Acquired Immunodeficiency Syndrome"[mh] OR "HIV Infections"[all] OR "Acquired Immunodeficiency Syndrome"[all] OR "AIDS-Associated Nephropathy"[all] OR "AIDS Dementia Complex"[all] OR "AIDS-Related Complex"[all] OR "AIDS-Related Opportunistic Infections"[all] OR "HIV-Associated Lipodystrophy Syndrome"[all] OR "HIV Enteropathy"[all] OR "HIV Seropositivity"[all] OR "HIV Wasting Syndrome"[all] OR "HIV Infection"[all] OR "HTLV-III-LAV Infections"[all] OR "HTLV III LAV Infections"[all] OR "HTLV-III-LAV Infection"[all] OR "Human T-Lymphotropic Virus Type III Infections"[all] OR "Human T Lymphotropic Virus Type III Infections"[all] OR "HTLV-III Infections"[all] OR "HTLV III Infections"[all] OR "HTLV-III Infection"[all] OR "Acquired Immunologic Deficiency Syndrome"[all] OR "Acquired Immune Deficiency Syndrome"[all] OR "Acquired Immuno-Deficiency Syndrome"[all] OR "Acquired Immuno Deficiency Syndrome"[all] OR "Acquired Immuno-Deficiency Syndromes"[all] OR "Acquired Immunodeficiency Syndromes"[all] OR "Acquired Immunodeficiency Syndrome"[all] OR "HIV prevalence" [all]

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Key populations

“sex worker*”[tw] OR “sex workers”[Mesh] OR “FSW” [tw] OR “SW” [tw] OR “prostitute*”[tw] OR “prostitution” [tw] OR “commercial sex” [tw] OR “commercial sex worker*”[tw] OR “CSW” [tw] OR “transactional sex” [tw] OR “transactional sex worker*”[tw] OR “TSW” [tw] OR “travailleuse du sexe”[tw] OR “TS”[tw] OR “intravenous drug user”[tw] OR “IVDU”[tw] OR “IDU”[tw] OR “drug user”[tw] OR “men who have sex with men”[tw] OR “MSM”[tw] OR “males who have sex with males”[tw] OR “bisexual men”[tw] OR “bisexual male”[tw] OR “bisexual males”[tw] OR “HSH”[tw] OR “Hommes ayant des rapports Sexuels avec des Hommes”[tw] OR “Homosexuality, Male”[Mesh] OR “male homosexual*”[tw] OR “gay men”[tw] OR “gay man”[tw] OR “gay male*”[tw] OR “homosexual male*”[tw] OR “homosexual males”[tw] OR “homosexual man”[tw] OR “homosexual men” OR “sex for money”[tw] OR “transgender”[tw] OR “trans”[tw]

Community level determinants

“Social Stigma”[Mesh] OR stigma*[tw] OR Shame[Mesh] OR shame[tiab] OR Stereotyping[Mesh] OR Stereotyp*[tw] OR prejudice[Mesh] OR prejudic*[tw] OR homonegativ*[tw] OR Homoprejudice[tw] OR “Social perception”[Mesh] OR Social perception*[tw] OR “social discrimination”[Mesh] OR “social discrimination”[tw] OR discriminat*[tw] OR “social alienation”[Mesh] OR alienation[tw] OR Homophobia[Mesh] OR Homophobi*[tw] OR antigay[tw] OR “anti-gay”[tw] OR “anti-homosexual”[tw] OR “anti homosexual”[tw] OR “social capital”[tw] OR “social support”[Mesh] or “social participation”[Mesh] OR “social cohesion”[tw] OR “social norm”[tw]