

Strategies to improve HIV prevention service uptake among young women who sell sex in sub-Saharan Africa: A scoping review

SUPPLEMENTARY FILE 3: [DATA EXTRACTION SHEET](#)

Type of Information	Description of Data to be Extracted
Author	Name of the author(s) of the study relevant to HIV prevention among YWSS.
Title of Study	Full title of the article, paper, or report focusing on HIV prevention strategies for YWSS in SSA.
Publication Year	Year when the study was published.
Publication Type	Type of publication (e.g., peer-reviewed journal, report, strategic plans, grey literature, etc.)
Study Design	Design of the study (qualitative, quantitative, review, or mixed methods) relevant to YWSS and HIV prevention.
Study Setting	Geographic context where the study was conducted, including region, country, and urban/rural classification within Sub-Saharan Africa.
Study Population/Sample	Description of the population studied, specifically YWSS aged 15-24, including, age, and sample size (total N).
Sample Type/size	Type of sampling method used (random, convenience, clinical, community, etc.) in studies involving YWSS.
Intervention description	Interventions: Characteristics/components, Evidence of effect on implementation outcomes (e.g. feasibility, acceptability, uptake/coverage etc.); theory base / conceptual underpinnings
Types of Data Included	Detailed description of the methods/data sources utilized in the study (e.g., pilot studies, surveys, interviews, focus groups, programmatic data, etc).
Assessed (Main) Outcomes	Specific outcomes assessed in the study (e.g., Engagement of YWSS in HIV prevention).
Relevant Findings	Concise summary of findings that are pertinent to the research question regarding HIV prevention strategies for YWSS.
Reported Impact, Effects, or Benefits	Detailed account of any reported impacts, intervention outcomes, and comparisons with other groups, if applicable, focusing on YWSS.
Reported challenges and facilitators	Challenges, facilitators and limitations reported by the study authors regarding the implementation or outcomes of the study among YWSS.
Study Limitations	Limitations noted by the authors, which may affect the interpretation of the results related to YWSS and HIV prevention.
Main Conclusions	Brief summary of the study's main conclusions that directly relate to the research question about enhancing HIV prevention for YWSS.
Name of Reviewer	Name of the individual who reviewed and extracted the data from the study for the scoping review.

Data extraction categories per study type:

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Intervention studies

- Authors
- Title
- Country/countries
- Study design: pilot study, (quasi)-randomized, what kind of evaluation/data (quali/quantitative data/mixed methods), etc.
- Sampling: include sample size (or in separate column; N = ...)
- Participant characteristic: Age group, mobile populations, any other sub-group of AYSS?

- Study aim/objective:
- Theory of change: any explicit mentioning of theory-base/theoretical framework; if yes, which one (existing theory or own ToC developed) → *to be able to later see if they fit into the BCW (= second step of analysis)*
- Intervention description: any information on intervention content, and delivery strategies (e.g. individual/group-level; numbers of sessions, face-to-face, web-based, mobile apps, ...)
- Intervention outcome: what was exactly measured (results of the intervention)? → main findings
- Study limitations
- Recommendations given by the authors → could be relevant to later identify gaps in the literature
- Optional: own additional remarks...

Studies on barriers and enablers (→ drivers for prevention uptake)

NB: Categories will later enable the COM-B analysis, e.g.: internal barriers (capability and motivation); external barriers (opportunities; social and physical) in a second analysis step

- Authors
- Title
- Country/countries
- Study design: pilot study, (quasi)-randomized, what kind of evaluation/data (quali/quantitative data/mixed methods), etc.
- Sampling: include sample size (or in separate column; N = ...)
- Participant characteristic: age-group, mobile populations, any other sub-group of AYSS?

Main findings:

- Internal barriers
- External barriers (including health-system/provider related)
- Internal enablers
- External enablers (including health-system/provider related)
- Study limitations
- Recommendations given by the authors → could be relevant to later identify gaps in the literature
- Optional: own additional remarks...

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Policy Table and intervention Types

	Policy Options						
	Communication/ marketing	Guidelines	Fiscal measures	Regulation	Legislation	Environmental/ Social planning	Service provision
Education							
Persuasion							
Incentivisation							
Coercion							
Training							
Restriction							
Environmental restructuring							
Modelling							
Enablement							

Intervention Types table

Intervention Types									
COM-B	Education	Persuasion	Incentivisation	Coercion	Training	Restriction	Environmental restructuring	Modelling	Enablement
Physical Capability									
Psychological Capability									
Physical Opportunity									
Social Opportunity									
Automatic motivation									
Reflective motivation									

Ref: Michie, Stralen MM van, West R. *A guide on The COM-B Model of Behaviour*. Soc Chang UK. 2019;1–7. Michie S, Atkins L, West R. *The Behaviour Change Wheel: A Guide to Designing Interventions* [Internet]. *The Behavior Change Wheel: Book Launch Event*. 2014 [cited 2024 Mar 10]. 1–46 p. Available from: [https:// www.behaviourchangewheel.com/](https://www.behaviourchangewheel.com/)