

A systematic review of HIV/AIDS, STI, Teen Pregnancy, and Substance Use Prevention  
Interventions for Black Adolescent Girls

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To enable PROSPERO to focus on COVID-19 registrations during the 2020 pandemic, this registration record was automatically published exactly as submitted. The PROSPERO team has not checked eligibility.

### Citation

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### Review question

How effective are HIV/AIDS, STI, Teen pregnancy, and Substance Abuse Prevention Interventions on reducing risk outcomes for Black adolescent girls

### Searches

Bibliographic databases including PubMed, CINAHL, and PsycINFO will be searched. The reference lists of included studies will be checked for additional relevant articles. A medical librarian will design the comprehensive search strategy.

### Types of study to be included

Types of study to be included:

? prevention intervention studies

? quasi-experimental studies

? prevention education with pre-post test results

? English only

? Year of publication: 2005-2020

? A majority of the participants are Black adolescent girls (11-19 years old) (can include male adolescents)

? In the United States

? Peer-reviewed original research

? A majority of participants between the ages of 11-19 years

? Studies related to any of the outcomes individually or in combination (e.g. substance use, teen pregnancy, HIV/AIDS knowledge, STI)

Exclusion

? Cross sectional data

? Longitudinal studies with no intervention or clinical trial component

? Literature reviews

? Non-peer reviewed

? Non-English

? International studies (taken place outside of the U.S.)

? majority of participants are not Black adolescent girls between 11-19

? Does not have substance use, STI, HIV or teen pregnancy included

? Not published between 2005 to 2020

### Condition or domain being studied

Substance use, HIV/AIDS, teen pregnancy, and STI prevention interventions for Black adolescent girls

### Participants/population

Inclusion:

Black adolescent girls (11-19 years old) In the United States who participate in a HIV/AIDS, substance use, STI, and/or teen pregnancy prevention intervention

Exclusion:

Participants who are not Black adolescent girls

Black adolescent girls who are younger than 11 years old or older than 19 years old

### Intervention(s), exposure(s)

Prevention interventions aimed to educate and reduce risk among Black adolescent girls on the following:

1. Substance use

2. HIV/AIDS

3. STI

4. Teen Pregnancy

### Comparator(s)/control

If an interventional study is included that sought to reduce HIV/AIDS, STI, substance use, and teen pregnancy risk among Black Adolescent girls, the control group will be Black adolescent girls who did not receive the prevention intervention to educate and reduce risk

### Main outcome(s)

HIV/aids knowledge

STI knowledge

Sexual risk behavior

Drug use (alcohol, tobacco/e-cigarettes, vaping, marijuana, illicit drugs) perception of risk

\* Measures of effect

Lower risk behaviors and improved outcomes (high perception of risk of substance use, lower drug use sexual risk behavior, negotiation skills)

### Additional outcome(s)

Attrition rates

\* Measures of effect

N/A

### Data extraction (selection and coding)

Duplicates will be removed from the studies during the searches and title and abstract screening will be done using two pairs of reviewers in parallel using inclusion/exclusion criteria.

Any disagreements will be resolved through discussion during weekly research meetings.

The full texts will be obtained (if necessary via inter-library loans) for papers of potential interest, and each will be reviewed by two reviewers to determine eligibility against the inclusion and exclusion criteria

Data will then be extracted by two reviewers independently, with any disagreements being resolved by consensus, to populate the following areas:

- a) Study author and year;
- b) Setting (school, home, hospital/clinic)
- c) Measurable outcomes (30-day drug use, sexual risk behavior, perception of risk, HIV/AIDS knowledge)

### Risk of bias (quality) assessment

For eligible papers, quality assessment will be undertaken using the suite of CASP tools (either for RCTs or observational/cohort studies: <https://casp-uk.net/casp-tools-checklists/>), again independently by two reviewers.

The quality of studies will guide the weight given to different findings later in the synthesis, but no studies will be excluded on the basis of quality, as they may still contain useful information (it is anticipated that there will be a relative paucity of data overall, so we want to maximize the useful of that which is available).

### Strategy for data synthesis

It is anticipated that the literature will be heterogeneous and there will be a paucity of results catered to this specific group. We will summarize the findings in tabular form, grouping studies according to the setting, methodological approach, and length of intervention.

### Analysis of subgroups or subsets

We will analyze interventions that are catered or include Black adolescent girls by ethnicity (Caribbean, African, Afro-Latina)

? Socioeconomic status (e.g. low-income, rural vs. urban vs. suburban)

? School/developmental (e.g. middle school, vs. high school aged girls)

### Contact details for further information

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### Organisational affiliation of the review

Stony Brook University School of Social Welfare  
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### Review team members and their organisational affiliations

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### Type and method of review

Systematic review

### Anticipated or actual start date

05 June 2020

### Anticipated completion date

04 December 2020

### Funding sources/sponsors

National Institute of Mental Health

### Grant number(s)

State the funder, grant or award number and the date of award

r25-mh087217

### Conflicts of interest

### Language

English

### Country

United States of America

### Stage of review

Review Ongoing

### Subject index terms status

Subject indexing assigned by CRD

### Subject index terms

MeSH headings have not been applied to this record

### Date of registration in PROSPERO

05 July 2020

### Date of first submission

05 May 2020

### Stage of review at time of this submission

The review has not started

Stage	Started	Completed
Preliminary searches	No	No
Piloting of the study selection process	No	No
Formal screening of search results against eligibility criteria	No	No
Data extraction	No	No
Risk of bias (quality) assessment	No	No
Data analysis	No	No

*The record owner confirms that the information they have supplied for this submission is accurate and complete and they understand that deliberate provision of inaccurate information or omission of data may be construed as scientific misconduct.*

*The record owner confirms that they will update the status of the review when it is completed and will add publication details in due course.*

## Versions

05 July 2020

### PROSPERO

This information has been provided by the named contact for this review. CRD has accepted this information in good faith and registered the review in PROSPERO. The registrant confirms that the information supplied for this submission is accurate and complete. CRD bears no responsibility or liability for the content of this registration record, any associated files or external websites.