Is Prevention Intervention Data Viable for Conducting Analyses Related to LGBT Youth?

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Society for Prevention Research
San Francisco, CA
NIDA’s Prevention Research Branch supports a theory driven program of basic, clinical, and services research across the lifespan to reduce risks and **prevent the initiation and progression of drug use to abuse** and prevent drug-related HIV acquisition, transmission and progression.
Addiction Involves Multiple Factors

- Biology/Genes
- Environment
- Drug
- Brain Mechanisms
- Addiction
Addiction Involves Multiple Factors

- Biology/Genes
- Environment
- Brain Mechanisms

Bio-Psycho-Social Interventions
LIFE COURSE-SOCIAL FIELD CONCEPT

Systems Perspective

- Frames development within context
- Considers interactions and transactions between child and individuals and their contexts (e.g., peer relations within school climate)
- Considers the influence of contexts in which the child is not actively present on development (e.g., rules, regulations and policies)
Context and Level of Risk

Universal
- Family
- Peer group
- School
- Community
- Workplace
- Clinic
- Media
- Policy

Selective
- Foster Care
- WIC
- Juvenile Justice
- Pre-natal Clinics
- Rape Clinics
- STD Clinics

Indicated
- Continuation Schools
- College Drug Violation Programs

Age Risk
## Intervention Strategy

<table>
<thead>
<tr>
<th>Emotional Regulation</th>
<th>Social Skills</th>
<th>Intrapersonal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Competency</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resistance Skills</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parenting Skills</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normative Change</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surrounding Environment Change</td>
<td>(e.g., Teacher, Practitioner Training, School Environment)</td>
<td></td>
</tr>
<tr>
<td>Larger Environment Change</td>
<td>(e.g., Tobacco, Gay Marriage, Marijuana Policies)</td>
<td></td>
</tr>
</tbody>
</table>
How do Prevention Interventions Work

MODIFIABLE RISKS

Period of Vulnerability

MODERATORS
- Heritability
- Age
- Gender
- Race/ethnicity
- Poverty level

Early aggression
- Social skills deficit
- Academic problem
- Misperceived drug use norms
- Bullying
- Neighborhood availability
- Media glamorization

INTERVENTION
- Parent skills training
- Social skills training
- Tutoring
- Norms training
- School policy enforcement
- Community policing
- Health Literacy

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School Climate Survey

The Experiences of Lesbian, Gay, Bisexual and Transgender Youth in Our Nation's Schools

A Report from the Gay, Lesbian & Straight Education Network
www.glsen.org
Important Risk OR Protective Constructs for LGBTQ Youth

- School Climate
- Family Acceptance
- Depression, low self-esteem
- Health risking behaviors
  - Drug abuse
  - Suicidal ideation
  - Sexual risk behaviors
  - Victimization
The 2011 National School Climate Survey: The Experiences of Lesbian, Gay, Bisexual and Transgender Youth in Our Nation's Schools

1) the possible negative effects of a hostile school climate on LGBT students' academic achievement, educational aspirations, and psychological well-being;

2) whether or not students report experiences of victimization to school officials or to family members and how these adults address the problem; and

3) how the school experiences of LGBT students differ by personal and community characteristics
Preventive Interventions Can Have Long Term Effects
GBG vs All Controls on Drug Abuse or Dependence Disorders for Males

Teacher Ratings of Aggression: Fall of 1st Grade

GBG (n = 72) vs All Controls (n = 134)
Percent of Children Who Used Tobacco, Alcohol, or Marijuana (Last 30 Days)

Percent of Mothers with Role Impairment due to Alcohol or Drug Use

P = .04   OR  = 0.31

P = .04
Preventive Interventions Can Have Unintended Positive Effects
HIV Risk Behaviors in Young Adults

Source: Griffin et al. (2006). Effects of a school-based drug abuse prevention program for adolescents on HIV risk behaviors in young adulthood. Prevention Science
Full Intervention and High Dosage Groups Compared to Control Group

Verbal Aggr | Physical Aggr | Fighting | Delinquency
---|---|---|---
Full TX Grp. | 0.99 | 0.95 | 0.95 | 0.95
High Dosage Grp. | 0.99 | 0.99 | 0.99 | 0.99

Impact of GBG done in 1\textsuperscript{st} and 2\textsuperscript{nd} Grades on Suicide Ideation by Age 19-23**

Wilcox et al. (2008). Drug and Alcohol Dependence 95 S, S60-S73.
High Risk Populations May Benefit The Most From Prevention Interventions, EVEN Universal Interventions
Substance Initiation Results: Marijuana from Grades 6 to 10

## Summary of PRB LGBT-relevant Grants (to Date)

<table>
<thead>
<tr>
<th>Grants</th>
<th>N</th>
<th>Q about Sex Orientation /Gender ID</th>
<th>Q about Same Sex Behavior</th>
<th>Q about HRSB</th>
<th>Age at Start Grant</th>
<th>Age at Follow Up</th>
<th>Ongoing Data</th>
</tr>
</thead>
<tbody>
<tr>
<td># Grants</td>
<td>4</td>
<td>9</td>
<td>15</td>
<td>0 - 8</td>
<td>17 - 35</td>
<td>6</td>
<td></td>
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<tr>
<td>Lower Range</td>
<td>331</td>
<td></td>
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<tr>
<td>Upper Range</td>
<td>4407</td>
<td></td>
<td></td>
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</tbody>
</table>
Recommendation 1:

The NIH should implement a research agenda designed to advance the knowledge and understanding of LGBT health.
Recommendation 4:
NIH should support the development and standardization of sexual orientation and gender identity measures.

Recommendation 5:
NIH should support methodological research that relates to LGBT health.
Welcome to the PhenX Toolkit

The Toolkit provides standard measures related to complex diseases, phenotypic traits and environmental exposures. Use of PhenX measures facilitates combining data from a variety of studies, and makes it easy for investigators to expand a study design beyond the primary research focus. All Toolkit content is available to the public at no cost.

Information about the project is available at www.phenx.org

More »

Please Read Toolkit Guidance

How to cite use of PhenX measures:
Measures incorporated in this study were selected from the PhenX Toolkit version April 29 2013, Ver 5.4. More »

How to cite the PhenX Toolkit:
Smart Query Tool

Enter search term or PhenX ID:

LGBT

Show 10 results per page

Smart Search  Text Search

Search with Filters: To filter results by the following parameters, please identify desired types of measures by clicking the filter name.
The filters are: Data Collection Mode, Lifestage, Time to Complete and Language.
If no boxes are checked, then search results will reflect all Toolkit contents.

Data Collection Mode  Lifestage  Time to Complete  Language

No search results found in terms and synonyms for "LGBT" (view filters), 0 results from full-text search (0 filtered from text search):

No search result found. Please try again.
PhenX Toolkit

Smart Query Tool

Enter search term or PhenX ID:
school climate

Show 10 results per page

Search with Filters: To filter results by the following parameters, please identify desired types of measures by clicking the filter name. The filters are: Data Collection Mode, Lifestage, Time to Complete and Language. If no boxes are checked, then search results will reflect all Toolkit contents.

Data Collection Mode | Lifestage | Time to Complete | Language
--- | --- | --- | ---

10 search results in terms and synonyms for "school climate", 0 supplemental (0 filtered - view filters):

Search result 1 - 10 of 10 results

PhenX Measure | Definition | Domain/Collection Name
--- | --- | ---
School Social Environment | This measure is a questionnaire to assess an adolescent respondent's perceptions of the quality and character of his or her school social environment, which in educational literature most frequently is referenced as school climate. | Social Environments
About NAHDAP

NAHDAP acquires, preserves and disseminates data relevant to drug addiction and HIV research. By preserving and making available an easily accessible library of electronic data on drug addiction and HIV infection in the United States, NAHDAP offers scholars the opportunity to conduct secondary analysis on major issues of social and behavioral sciences and public policy.

The research community benefits when researchers can use data from original research projects to test conclusions - verifying, refining, or refuting published findings. Sharing data through NAHDAP fosters the development and testing of new conclusions, as data collected for one purpose can be used to pursue inquiries not addressed by the original investigators.

Read More
Study Search Results

Your query returned 3 results. Series results are grouped under the most relevant study. You can ungroup series results. Use the search box below to revise your search, or start a new search.

LGBT

Results 1 - 3

Results per page: 25
Sort by: Study Relevance

   Harris, Kathleen Mullan; Udry, J. Richard

2. National Survey of Substance Abuse Treatment Services (N-SSATS), 2011 (ICPSR 34539)
   United States Department of Health and Human Services, Substance Abuse and Mental Health Services Administration. Center for Behavioral Health Statistics and Quality
   1 more result in National Survey of Substance Abuse Treatment Services (N-SSATS) Series
   1 variable matches your query

   Burghardt, John; Needels, Karen

Results 1 - 3
Filter Results

Subject (view all)
- drug use (12)
- tobacco use (10)
- health (9)
- adolescents (8)
- alcohol consumption (8)

Data Format
- SAS (21)
- SPSS (21)
- STATA (21)
- Delimited (18)
- SDA (13)
- R (5)

Time Period
Enter year as YYYY.

Recency
- New/updated this week (0)
- New/updated this month (1)

Study Search Results

Your query returned 13 results. Series results are grouped under the most relevant study. You can ungroup series results. Use the search box below to revise your search, or start a new search.

school climate [REVISE SEARCH]

Results 1 - 13

Results per page: 25
Sort by: Study Relevance

1. Oregon Youth Substance Use Project (OYSUP), 1998-2010 (ICPSR 34263)
   Andrews, Judy

   Iannotti, Ronald J.
   1 more result in Health Behavior in School-Aged Children (HBSC) Series

Study Search Results

Your query returned 70 results. Series results are grouped under the most relevant study. You can ungroup series results. Use the search box below to revise your search, or start a new search.

Results 1 - 25 Results per page: 25

1. National Survey of Parents and Youth (NSPY), 1998-2004 -- Restricted Use Files (ICPSR 27868)
   David, Susan; Hornik, Robert; Maklan, David
   89 variables match your query

2. Consequences of Recent Parental Divorce for Young Adults, 1990-1992 (ICPSR 24400)
   Cooney, Teresa M.
   135 variables match your query

   Kumpfer, Karol; Gottfredson, Denise
   79 variables match your query

   Kessler, Ronald C.
   84 variables match your query

Issues to Consider

• Are there data sets that are demographically similar enough to harmonize?
• If so would the N be great enough to conduct analyses?
• Is there somewhat comparable lifestyle, risk and outcome data to use in analyses?
• Is the data sufficient for examining intervention outcomes?
• Are the interventions similar enough to draw conclusions about intervention effects?
Other Data That May Exist

- Early childhood family experience (e.g., positive attachment)
- Internalizing/externalizing behaviors (e.g., violence, suicidal ideation)
- Childhood trauma (e.g., divorce, sex abuse)
- Parent – child communication
- School bonding
- School resources (e.g., LGBT organizations for high school students)
- Drug abuse especially emerging drugs
- Criminal justice involvement
- Impact of State and local policies on LGBT youth
Thank You