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Introduction

The Lesotho 2019 Violence Against Children and Youth Survey (VACS) was a nationally representative cross-sectional household survey of children and youth ages 13–24 years. The survey was designed to produce national estimates of experiences of physical, sexual, and emotional violence in childhood. In addition, estimates of these indicators were also produced for Berea and Maseru — two regions that have implemented the Determined, Resilient, AIDS-free, Mentored and Safe (DREAMS) program. The survey included a randomly selected, representative subset of the population, at one specific point in time, providing estimates of violence indicators by age group, sex, and other demographic factors. All data were collected through an in-person interview with trained interviewers. The survey also included an HIV testing component. The objectives of the Lesotho 2019 VACS were to:

- Estimate the national prevalence of physical, emotional and sexual violence in childhood and young adulthood.
- Identify risk and protective factors for physical, emotional and sexual violence against children and youth in Lesotho to inform stakeholders and guide prevention efforts.
- Identify the health and social correlates of violence against children and youth in Lesotho.
- Assess the knowledge and utilization of medical, psychosocial, legal, and protective services available for children and youth who have experienced violence.
- Make recommendations to relevant ministries in Lesotho, development partners, civil society and other stakeholders on developing, improving, and enhancing prevention and response strategies to address violence against children and youth as part of a comprehensive multi-sectoral approach to child protection.

Through a Data Sharing Agreement, the government of Lesotho provides access to public use datasets (PUD) for the Lesotho 2019 VACS for the purpose of informing efforts to fill gaps in understanding violence against children and youth and guide the development and implementation of prevention and response efforts. The purpose of the present Data User Guide is to provide information on how the survey was implemented and guidance on important considerations to give when analyzing the Lesotho 2019 VACS data.
Methods

Overview

During the survey implementation, data were collected from participants ages 13–24 and the head of household. The head of household survey was short (lasting about 15 minutes) and was intended to build rapport, seek consent for minor participants or permission to interview older participants, and to gather socio-economic information about the household. Even for households where no eligible participant was identified, the head of household was still asked to complete the survey. In the PUDs of the Lesotho 2019 VACS, only complete participant questionnaires were included. A total of 7,101 females and 1,467 males in-person interviews were completed during June to September 2018.

Eligibility Criteria

Households were included if there was at least one eligible member of the household who was between ages 13 and 24 years, resided in selected households in Lesotho and spoke English or Sesotho. Persons who did not have the capacity to understand and/or respond to the survey questions due to cognitive impairment or significant physical disability (e.g., severe hearing or speech impairment) were ineligible to participate. Persons living or residing in institutions such as hospitals, prisons, nursing homes, and other similar institutions were not included in the survey because VACS was a household-based survey. Males and females younger than 13 years were excluded because they may not have the maturity to answer some of the complex survey questions. Males and females older than 24 years were also excluded because of a desire to focus on understanding violence against children and youth. The ability to accurately recall events in the past related to childhood experiences is diminished with time.

The Lesotho VACS also included voluntary HIV testing. HIV testing was offered to all participants ages 13–24 who did not report a previous positive HIV test. HIV testing procedures were based on the World Health Organization’s Consolidated guidelines on HIV testing services 2015 and Lesotho national guidelines for HIV testing services. These guidelines recommend testing individuals who can give their own consent for HIV testing without consent from a parent/guardian and have the right to receive their test results in private without a parent/guardian present, and to choose whether or not to disclose their results to parents or significant others in accordance with global recommendations from the World Health Organization. Therefore, 13–24-year-old participants were eligible for Lesotho 2019 HIV testing. Testing was offered to participants who completed the questionnaire. Testing services included pre-test counselling and testing using rapid testing kit by obtaining blood from a finger prick. Participants were provided test results and post-test counseling, including active linkage to treatment for all HIV-positive participants according to
Lesotho national standards.

**Survey Design and Sampling**

The Lesotho 2019 VACS sampling frame was originally compiled by the Lesotho Bureau of Statistics for the 2014 census. The survey used a three-stage cluster sampling design. Separate primary sampling units (PSUs) were randomly assigned as male or female enumeration areas (EAs). The Lesotho VACS used a split sample approach, such that the survey for females was conducted in different communities than the survey for males. This approach was to protect the confidentiality of participants by reducing the chance that opposite sex perpetrators and victims will be interviewed in the same community, discover the purpose of the study, and possibly retaliate against participants.

*The Lesotho VACS used a three-stage sample design:*

Stage 1: A total of 240 EAs (197 female EAs and 43 males EAs) were selected from 2,600 EAs in Lesotho using probability proportional to size.

Stage 2: 40 households were randomly selected from each of the 240 EAs.

Stage 3: One eligible 13–24-year-old participant was selected from each household. An eligible male or female was selected depending on whether it was a male EA or a female EA.

**Sample Size**

Sample size for males and females was separately determined from the following standard cluster sample formula:

\[
 n = \frac{Z^2 \hat{p}(1 - \hat{p})}{e^2} \times \text{DEFF}
\]

Where

- \( Z \) = Quantile of the standard normal variate for a 5.0% level of significance = 1.96.
- \( \hat{p} \) = Estimated prevalence of any childhood sexual violence (determined from available research in the country and region).
- \( e \) = Margin of Error (recommended to be set at 0.04 to balance the reality of survey costs with the precision of estimates).
Violence Against Children and Youth Surveys
Country - Lesotho
Survey Year - 2019

\[ DEFF = \text{Design Effect} \]

\[ n = \text{Required Sample Size} \]

Assuming a 4.0% margin of error \((e = 0.04)\), a 5.0% level of significance \((Z = 1.96)\), a design effect of 2.95 \((DEFF = 2.95)\), and an estimated sexual violence prevalence of 10.0% \((\hat{p} = 0.10)\), the national effective sample size for the female population was:

\[
1.96^2 \frac{\hat{p}(1 - \hat{p})}{0.04^2} \times 2.0 = 1009
\]

Based on similar assumptions and sexual violence prevalence of 10.0% for the male population \((\hat{p} = 0.10)\), the national effective sample size for the male population was:

\[
1.96^2 \frac{\hat{p}(1 - \hat{p})}{0.04^2} \times 2.0 = 1009
\]

Data Collection

Data collection was conducted between June and September 2018. Data collection was done electronically using the Open Data Kit (ODK) program installed on data collection tablets running on the Android operating system. Data collection was conducted by trained interviewers using a structured questionnaire via face-to-face computer-assisted personal interviews (CAPI) with selected eligible participants. Before data collection began, a field pre-test was conducted. To ensure privacy during the study, interviewers were trained to conduct interviews in safe and secure locations to maximize disclosure and ensure confidentiality. If the privacy of a participant could not be ensured, interviewers were instructed to reschedule the interview. The initial visit record form of the survey tool had a section that allowed the survey team to track incomplete interviews and interviews that needed to be rescheduled. Field teams were trained to make three attempts to reach every sampled household. After three unsuccessful attempts, the selected household was considered a non-response and was not replaced with another household.

Response Rate

A survey response rate is defined as the percentage of the total number of completed survey responses out of the respective total number of surveys participants. In probability samples, where the intent of a survey is to project the results of the data onto a population, statistical theory rests on an assumption that data are collected from every unit or person selected. It is extremely rare for any survey to achieve this perfect level
of cooperation from participants. Therefore, response rates are calculated by dividing the total number of complete responses by the total number of eligible participants in the selected sample.

**Response Rate Calculations**

<table>
<thead>
<tr>
<th>Household Listing</th>
<th>Individual Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>[6] Refused</td>
<td></td>
</tr>
<tr>
<td>[7] Other</td>
<td></td>
</tr>
</tbody>
</table>

**Household Definitions :**

- Household Eligible: Household Listing responses 1, 2, 4, or 6
- Household Complete: Household Listing responses 1 or 2
- Household Response Rate (HHRR):

\[ HHRR = \left( \frac{[1]}{[1] + [2] + [4] + [6]} \right) \]

**Individual Definitions :**

- Individual Eligible: Household Listing response 1 AND Individual Interview responses 1, 2, 3, or 4
- Individual Complete: Individual must be eligible (see above) AND
Individual Interview response 1

- Individual Response Rate (IRR):

\[
IRR = \left( \frac{[1]}{[1] + [2] + [3] + [4]} \right)
\]

*Overall Response Rate = Household Response Rate \times Individual Response Rate*

Given the split sample design of the Lesotho 2019 VACS, response rates, including household response rates, are tabulated separately for males and females as shown in the table below. Data were analyzed separately for participants ages 13–17 and 18–24 years.

<table>
<thead>
<tr>
<th>SEX</th>
<th>Household Response Rate</th>
<th>Individual Response Rate</th>
<th>Overall Response Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>97.8%</td>
<td>98.3%</td>
<td>96.2%</td>
</tr>
<tr>
<td>Male</td>
<td>98.8%</td>
<td>98.0%</td>
<td>96.2%</td>
</tr>
</tbody>
</table>

**Weighting**

To analyze the 2019 Lesotho VACS, a survey weight was calculated for each record. CDC weighted the data to obtain parameters representing the total population of Lesotho children and youth aged 13–24 years old. A three-step weighting procedure was incorporated:

Step 1: Computation of base weight for each sampled participant;

Step 2: Adjustment of the base weights for differential non-response in the sample; and

Step 3: Calibration of the post-stratification (adjusted) weights to known population totals.

**Weighting Procedures:**

**Base weight**

Household base weight was estimated as the inverse of the overall probability, which was calculated as below:

Overall probability:

\[
\frac{n_{selected \ PSUs}}{N_{Total \ PSUs}} \times \left( \frac{Selected \ households_{PSUs}}{Total \ Households_{PSUs}} \right) \times \left( \frac{1}{N_{Eligible}} \right)
\]
where:

\[
\left( \frac{n_{\text{selected PSU}}}{N_{\text{Total PSU}}} \right) \text{ is the PSU level probability} \\
\left( \frac{\text{Selected households}_{\text{PSU}}}{\text{Total households}_{\text{PSU}}} \right) \text{ is the household level probability, and} \\
\left( \frac{1}{N_{\text{Eligible}}} \right) \text{ is the individual probability}
\]

Household base weight:

\[
= \left( \frac{n_{\text{selected PSU}}}{N_{\text{Total PSU}}} \right) \times \left( \frac{\text{Selected households}_{\text{PSU}}}{\text{Total households}_{\text{PSU}}} \right) \times \left( \frac{1}{N_{\text{Eligible}}} \right)
\]

**Non-Response Weighting/Adjustments**

The overall non-response weight was calculated as the inverse of the product of the household and individual non-response probabilities.

Probability of household non-response (HHNR) =

\[
\left( \frac{\text{Completed households}}{\text{Eligible Households}} \right)
\]

Probability of the individual non-response (INR) =

\[
\left( \frac{\text{Completed individuals}}{\text{Eligible individuals}} \right)
\]

Overall non-response weight (NRW) =

\[
\frac{1}{HHNR \times INR}
\]

During the household non-response calculation, household eligible totals and household complete totals were generated at the region/province and sex-specific classes for males and females. Non-response weights were capped at 3.0 to be consistent with the VACS weighting manual.

**Post-Stratification Weight**
Post-stratification weighting involves adjusting the sampling weights so that they sum up to the population size using a known population, such as the population obtained from the population and housing census. Final sample weights were computed by multiplying the individual base weight, non-response weight, and post-stratification weight:

Final Sample Weight =

\[ \text{Individual base weight} \times \text{Non-Response Weight} \times \text{Post-Stratification weight} \]

**Calculated Variables**

For 2019 Lesotho VACS, the variable District should be used for stratification, the variable PSU should be used for clustering, and the variable Individual_Weight1 should be used as the survey weight.

The Lesotho 2019 VACS PUD includes the following list of calculated variables:

<table>
<thead>
<tr>
<th>Description</th>
<th>Variable Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any lifetime sexual violence</td>
<td>SAB</td>
</tr>
<tr>
<td>Any sexual violence in the past 12 months</td>
<td>SV12MTH</td>
</tr>
<tr>
<td>Unwanted sexual touching in past 12 months</td>
<td>SV12MTH1</td>
</tr>
<tr>
<td>Attempted sex in the past 12 months</td>
<td>SV12MTH2</td>
</tr>
<tr>
<td>Physically forced sex in the past 12 months</td>
<td>SV12MTH3</td>
</tr>
<tr>
<td>Pressed sex in the past 12 months</td>
<td>SV12MTH4</td>
</tr>
<tr>
<td>Any sexual violence in childhood</td>
<td>SV18</td>
</tr>
<tr>
<td>Unwanted sexual touching in childhood</td>
<td>SV1_ONLY</td>
</tr>
<tr>
<td>Unwanted attempted sex in childhood</td>
<td>SV2_ONLY</td>
</tr>
<tr>
<td>Physically forced sex in childhood</td>
<td>SV3_ONLY</td>
</tr>
<tr>
<td>Pressed sex in childhood</td>
<td>SV4_ONLY</td>
</tr>
<tr>
<td>Told someone about any incident of sexual violence</td>
<td>TELLEVER</td>
</tr>
<tr>
<td>Knew a place to seek professional help among those who experienced any sexual violence</td>
<td>KNEWPLACEEVER</td>
</tr>
<tr>
<td>Sought help for any incident of sexual violence among those who experienced any sexual violence</td>
<td>SOUGHTEVER</td>
</tr>
<tr>
<td>Received professional service for any incident of sexual violence</td>
<td>RECVDSERVEVER</td>
</tr>
<tr>
<td>Had first sex at or before age 15</td>
<td>SEXDEBUTAGE15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
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<td>6</td>
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<td>7</td>
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<td>9</td>
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<td>10</td>
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<td>12</td>
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<tr>
<td>13</td>
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<tr>
<td>14</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>16</td>
</tr>
</tbody>
</table>
## Physical Violence

<table>
<thead>
<tr>
<th>Description</th>
<th>Variable Name</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any lifetime physical violence</td>
<td>PV</td>
<td>17</td>
</tr>
<tr>
<td>Any lifetime physical violence by intimate partner</td>
<td>PVPART</td>
<td>18</td>
</tr>
<tr>
<td>Any lifetime physical violence by peer</td>
<td>PVPEER</td>
<td>19</td>
</tr>
<tr>
<td>Any lifetime physical violence by parent, adult caregivers or other adult relatives</td>
<td>PVPARE</td>
<td>20</td>
</tr>
<tr>
<td>Any lifetime physical violence by adults in the community</td>
<td>PVCOMM</td>
<td>21</td>
</tr>
<tr>
<td>Physical violence by any perpetrator type in the past 12 months</td>
<td>ANYPV12</td>
<td>22</td>
</tr>
<tr>
<td>Physical violence in the past 12 months by intimate partner</td>
<td>IPV12</td>
<td>23</td>
</tr>
<tr>
<td>Physical violence in the past 12 months by peers</td>
<td>PVPEER12</td>
<td>24</td>
</tr>
<tr>
<td>Physical violence in the past 12 months by parent, adult caregivers or other adult relatives</td>
<td>PVPARE12</td>
<td>25</td>
</tr>
<tr>
<td>Physical violence in the past 12 months by adults in the community</td>
<td>PVCOMM12</td>
<td>26</td>
</tr>
<tr>
<td>Physical violence by any perpetrator type in childhood</td>
<td>PVTOT18</td>
<td>27</td>
</tr>
<tr>
<td>Physical violence in childhood by intimate partner</td>
<td>PVPART18</td>
<td>28</td>
</tr>
<tr>
<td>Physical violence in childhood by peers</td>
<td>PVPEER18</td>
<td>29</td>
</tr>
<tr>
<td>Physical violence in childhood by parent, adult caregivers or other adult relatives</td>
<td>PVCOMM18</td>
<td>30</td>
</tr>
<tr>
<td>Physical violence in childhood by adults in the community</td>
<td>PVTELLEVER</td>
<td>32</td>
</tr>
<tr>
<td>Told someone about any incident of physical violence</td>
<td>PVKNEWPLACEEVER</td>
<td>33</td>
</tr>
<tr>
<td>Knew a place to seek professional help among those who experienced any physical violence</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sought help for any incident of physical violence among those who experienced any physical violence</td>
<td>PVSOUGHTEVER</td>
<td>34</td>
</tr>
<tr>
<td>Received professional service for any incident of physical violence</td>
<td>PVRECVDSERVEVER</td>
<td>35</td>
</tr>
<tr>
<td>Any lifetime emotional violence by parent, adult caregiver or other adult relative</td>
<td>EV</td>
<td>36</td>
</tr>
</tbody>
</table>

## Emotional Violence

<table>
<thead>
<tr>
<th>Description</th>
<th>Variable Name</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any emotional violence in the past 12 months by parent, adult caregiver or other adult relative</td>
<td>EV12MTH</td>
<td>37</td>
</tr>
<tr>
<td>Any emotional violence in childhood by parent, adult caregiver or other adult relative</td>
<td>EV18</td>
<td>38</td>
</tr>
</tbody>
</table>
Creating calculated variables

Introduction:

This document provides information on calculated core violence variables from the Lesotho 2019 VACS. These variables are calculated from responses to questions on the survey. There are three main core violence indicators that are calculated to assess violence against children and youth:

(1) Any lifetime violence among 13–24-year-olds;

(2) Any childhood violence (i.e., violence experienced before age 18) among 18–24-year-olds; and

(3) Any violence in the past 12 months among 13–17-year-olds.

Each of these core indicators is calculated for each of the three main types of violence assessed by the VACS:

(1) Sexual violence;

(2) Physical violence; and

(3) Emotional violence.

This document also includes SAS codes that demonstrate how the three core violence variables are derived for sexual violence only. This document is to only serve as a guide to researchers in creating their own calculated variables from other VACS variables.

A. Lifetime sexual violence indicator

Four forms of sexual violence are assessed in the VACS survey:
(1) Unwanted sexual touching,
(2) Unwanted attempted sex,
(3) Physically forced sex, and
(4) Pressured sex.

Multiple questions are asked to assess each form of sexual violence. Sexual violence is said to have occurred if the participant answered yes to one or more of those questions.

The numerator for lifetime sexual violence indicator is the number of 13–24-year-old participants who experienced any form of sexual violence in their lifetime. The denominator is the total number of 13–24-year-old participants.

The four forms of sexual violence and their corresponding items in the VACS questionnaire

<table>
<thead>
<tr>
<th>Form of SV</th>
<th>Question Number</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unwanted sexual touching</td>
<td>Q600</td>
<td>Has anyone ever touched you in a sexual way without your permission, but did not try and force you to have sex? Touching in a sexual way without permission includes fondling, pinching, grabbing, or touching you on or around your sexual body parts.</td>
</tr>
<tr>
<td>Unwanted attempted sex</td>
<td>Q700A</td>
<td>Has a boyfriend/romantic partner, girlfriend/romantic partner, ex-boyfriend/romantic partner, ex-girlfriend/romantic partner, husband, wife, ex-husband or ex-wife ever tried to make you have sex against your will but did not succeed? They might have tried to physically force you to have sex or they might have tried to pressure you to have sex through harassment or threats.</td>
</tr>
<tr>
<td></td>
<td>Q700B</td>
<td>Has anyone [else] ever tried to make you have sex against your will but did not succeed? If the individual did not have an intimate partner: They might have tried to physically force you to have sex or they might have tried to pressure you to have sex through harassment or threats.</td>
</tr>
<tr>
<td>Physically forced sex</td>
<td>Q800A</td>
<td>Has a boyfriend/romantic partner, girlfriend/romantic partner, ex-boyfriend/romantic partner, ex-girlfriend/romantic partner, husband, wife, ex-husband or ex-wife ever physically forced you to have sex and did succeed? By physical force, we mean things like being pinned or held down or use of violence like pulling your hair, pushing, shoving, punching, using or threatening to use a weapon, or threatening to physically harm you or a loved one. We include experiences when you may or may not have fought back.</td>
</tr>
<tr>
<td></td>
<td>Q800B</td>
<td>Has anyone [else] ever physically forced you to have sex against your will and did succeed? By physical force, we mean things like being pinned or held down or use of violence like pulling your hair, pushing, shoving, punching, using or threatening to use a weapon, or threatening to physically harm you or a loved one. We include experiences when you may or may not have fought back.</td>
</tr>
</tbody>
</table>
Violence Against Children and Youth Surveys
Country - Lesotho
Survey Year - 2019

Q900A  Has a boyfriend/romantic partner, girlfriend/romantic partner, ex-boyfriend/romantic partner, ex-girlfriend/romantic partner, husband, wife, ex-husband or ex-wife ever pressured you in a non-physical way to have sex against your will and did succeed? Pressured means doing things like threatening you, harassing you, telling you lies, making promises about the future they knew were untrue, threatening to end your relationship, or threatening to spread rumors about you.

Q900B  Has anyone [else] ever pressured you in a non-physical way to have sex against your will and did succeed?

SAS code for lifetime sexual violence indicators:
/*Reported any lifetime unwanted sexual touching*/
IF Q600 IN (.98,99) THEN SV1LT=.;
ELSE IF Q600=1 THEN SV1LT=1;
ELSE SV1LT=2;
/*Reported any lifetime unwanted attempted sex */
IF Q700A IN (.98,99) & Q700B IN (.98,99) THEN SV2LT=.;
ELSE IF Q700A=1 | Q700B=1 THEN SV2LT=1;
ELSE SV2LT=2;
/*Reported any lifetime physically forced sex*/
IF Q800A IN (.98,99) & Q800B IN (.98,99) THEN SV3LT=.;
ELSE IF Q800A=1 | Q800B=1 THEN SV3LT=1;
ELSE SV3LT=2;
/*Reported any lifetime pressured sex*/
IF Q900A IN (.98,99) & Q900B IN (.98,99) THEN SV4LT=.;
ELSE IF Q900A=1 | Q900B=1 THEN SV4LT=1;
ELSE SV4LT=2;
/*Reported any lifetime sexual violence*/
IF SV1LT=1 | SV2LT=1 | SV3LT=1 | SV4LT=1 THEN SAB=1; *YES;
ELSE IF SV1LT=. & SV2LT=. & SV3LT=. & SV4LT=. THEN SAB=.; *MISSING;
ELSE IF SV1LT IN (2,) & SV2LT IN (2,) & SV3LT IN (2,) & SV4LT IN (2,) THEN SAB=2; *NO;

Description of the SAS code for lifetime sexual violence indicator:
The above SAS code can be read as: if the participant experienced unwanted sexual touching, or unwanted attempted sex, or had physically forced sex, or pressured sex in their lifetime, then the participant is considered to have experienced lifetime sexual violence. Please see Appendix for the corresponding R and STATA codes.

B. Childhood sexual violence indicator
Childhood sexual violence is defined as experiencing any form of sexual violence prior to age 18. The numerator for this indicator is the number of 18–24-year-old participants who experienced any form of childhood sexual violence. The denominator is the total number of 18–24-year-old participants.
<table>
<thead>
<tr>
<th>Form of SV</th>
<th>Question Number</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unwanted sexual touching</td>
<td>Q600</td>
<td>Has anyone ever touched you in a sexual way without your permission, but did not try and force you to have sex? Touching in a sexual way without permission includes fondling, pinching, grabbing, or touching you on or around your sexual body parts.</td>
</tr>
<tr>
<td></td>
<td>Q601</td>
<td>How many times in your life has this happened?</td>
</tr>
<tr>
<td></td>
<td>Q603</td>
<td>How old were you the last time this happened?</td>
</tr>
<tr>
<td></td>
<td>Q610</td>
<td>How old were you the first time anyone touched you in a sexual way without your permission but did not try to force you to have sex?</td>
</tr>
<tr>
<td>Unwanted attempted sex</td>
<td>Q700A</td>
<td>Has a boyfriend/romantic partner, girlfriend/romantic partner, ex-boyfriend/romantic partner, ex-girlfriend/romantic partner, husband, wife, ex-husband or ex-wife ever tried to make you have sex against your will but did not succeed? They might have tried to physically force you to have sex or they might have tried to pressure you to have sex through harassment or threats.</td>
</tr>
<tr>
<td></td>
<td>Q700B</td>
<td>Has anyone [else] ever tried to make you have sex against your will but did not succeed? If the individual did not have an intimate partner: They might have tried to physically force you to have sex or they might have tried to pressure you to have sex through harassment or threats.</td>
</tr>
<tr>
<td></td>
<td>Q701</td>
<td>How many times in your life has anyone tried to make you have sex against your will but did not succeed? They might have tried to physically force you to have sex or they might have tried to pressure you to have sex through harassment or threats.</td>
</tr>
<tr>
<td></td>
<td>Q703</td>
<td>How old were you the last time this happened?</td>
</tr>
<tr>
<td></td>
<td>Q710</td>
<td>How old were you the first time anyone tried to make you have sex against your will but did not succeed?</td>
</tr>
<tr>
<td>Physically forced sex</td>
<td>Q800A</td>
<td>Has a boyfriend/romantic partner, girlfriend/romantic partner, ex-boyfriend/romantic partner, ex-girlfriend/romantic partner, husband, wife, ex-husband or ex-wife ever physically forced you to have sex and did succeed? By physical force, we mean things like being pinned or held down or use of violence like pulling your hair, pushing, shoving, punching, using or threatening to use a weapon, or threatening to physically harm you or a loved one. We include experiences when you may or may not have fought back.</td>
</tr>
<tr>
<td></td>
<td>Q800B</td>
<td>Has anyone [else] ever physically forced you to have sex against your will and did succeed? By physical force, we mean things like being pinned or held down or use of violence like pulling your hair, pushing, shoving, punching, using or threatening to use a weapon, or threatening to physically harm you or a loved one. We include experiences when you may or may not have fought back.</td>
</tr>
<tr>
<td></td>
<td>Q801</td>
<td>How many times in your life have you been physically forced to have sex?</td>
</tr>
<tr>
<td></td>
<td>Q803</td>
<td>How old were you the last time this happened?</td>
</tr>
<tr>
<td></td>
<td>Q811</td>
<td>How old were you the first time anyone physically forced you to have sex?</td>
</tr>
</tbody>
</table>
Items of childhood sexual violence indicator in the VACS survey (*continued*)

<table>
<thead>
<tr>
<th>Form of SV</th>
<th>Question Number</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Q900A</td>
<td>Has a boyfriend/romantic partner, girlfriend/romantic partner, ex-boyfriend/romantic partner, ex-girlfriend/romantic partner, husband, wife, ex-husband or ex-wife ever pressured you in a non-physical way to have sex against your will and did succeed? Pressured means doing things like threatening you, harassing you, telling you lies, making promises about the future they knew were untrue, threatening to end your relationship, or threatening to spread rumors about you.</td>
</tr>
<tr>
<td></td>
<td>Q900B</td>
<td>Has anyone [else] ever pressured you in a non-physical way to have sex against your will and did succeed?</td>
</tr>
<tr>
<td></td>
<td>Q901</td>
<td>How many times in your life has someone pressured you in a non-physical way to have sex against your will and did succeed?</td>
</tr>
<tr>
<td></td>
<td>Q903</td>
<td>How old were you the last time this happened?</td>
</tr>
<tr>
<td></td>
<td>Q910</td>
<td>How old were you the first time anyone pressured you to have sex through harassment or threats and did succeed?</td>
</tr>
</tbody>
</table>

**SAS code for calculating childhood sexual violence indicator:**

*Reported any unwanted sexual touching prior to age 18 (SV1_ONLY)*

IF Q601>=1 & .<Q610<18 THEN SV1_ONLY =1;
ELSE IF Q601>=1 & 18<=Q610<98 THEN SV1_ONLY = 2;
ELSE IF Q601>=1 & (Q610=99 | Q610 =. | Q610 =98) & (.<Q603<18) THEN SV1_ONLY = 1;
ELSE IF Q601>=1 & (Q610=99 | Q610 =. | Q610 =98) & (Q603= | Q603=99 |Q603=98) THEN SV1_ONLY =. ;
ELSE IF Q600 = 2 THEN SV1_ONLY = 2;
/*Reported any unwanted attempted sex prior to age 18 (SV2_ONLY)*/

IF Q701>=1 & .<Q710<18 THEN SV2_ONLY =1;
ELSE IF Q701>=1 &18<=Q710<98 THEN SV2_ONLY = 2;
ELSE IF Q701>=1 & (Q710=99 | Q710 =. | Q710 =98) & (.<Q703<18) THEN SV2_ONLY = 1;
ELSE IF Q701>=1 & (Q710=99 | Q710 =. | Q710 =98) & (Q703= | Q703=99 |Q703=98) THEN SV2_ONLY = . ;
ELSE IF (Q700A NE 1 &Q700B=2) | (Q700B NE 1 &Q700A =2) THEN SV2_ONLY =2;
/*Reported any physically forced sex prior to age 18 (SV3_ONLY)*/

IF Q801>=1 & .<Q811<18 THEN SV3_ONLY = 1;
ELSE IF Q801>=1 &18<=Q811<98 THEN SV3_ONLY = 2;
ELSE IF Q801>=1 & (Q811=99 |Q811=. |Q811=98) & (.<Q803<18) THEN SV3_ONLY =1;
ELSE IF Q801>=1 & (Q811=99 |Q811=. |Q811=98) & (Q803=99 | Q803=. | Q803=98) THEN SV3_ONLY = . ;
ELSE IF (Q800A NE 1 &Q800B=2) | (Q800B NE 1 &Q800A =2) THEN SV3_ONLY =2;
/*Reported any pressured sex prior to age 18 (SV4_ONLY)*/

IF Q901>=1 & .<Q910<18 THEN SV4_ONLY = 1;
Description of the SAS code for childhood sexual violence indicator:

The above SAS code can be read as follows: if the 18–24-year-old participant experienced any unwanted sexual touching before the age of 18, unwanted attempted sex before the age of 18, physically forced sex before the age of 18, or pressured sex before the age of 18, then the participant is considered to have experienced childhood sexual violence. Please see Appendix for corresponding R and STATA codes.

C. Any sexual violence in the past 12 months indicator

The numerator for this indicator is the number of 13–17-year-olds who experienced any form of sexual violence in the past 12 months. The denominator is the total number of 13–17-year-old participants.

Items of the VACS questionnaire that are used to measure any sexual violence in the past 12 months

<table>
<thead>
<tr>
<th>Form of SV</th>
<th>Question Number</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unwanted sexual touching</td>
<td>Q600</td>
<td>Has anyone ever touched you in a sexual way without your permission, but did not try and force you to have sex? Touching in a sexual way without permission includes fondling, pinching, grabbing, or touching you on or around your sexual body parts.</td>
</tr>
<tr>
<td></td>
<td>Q601</td>
<td>How many times in your life has this happened?</td>
</tr>
<tr>
<td></td>
<td>Q602</td>
<td>Now think about the last time this happened. Did this happen to you within the past 12 months?</td>
</tr>
<tr>
<td></td>
<td>Q609</td>
<td>First time: Did this happen to you within the past 12 months?</td>
</tr>
<tr>
<td></td>
<td>Q700A</td>
<td>Has a boyfriend/romantic partner, girlfriend/romantic partner, ex-boyfriend/romantic partner, ex-girlfriend/romantic partner, husband, wife, ex-husband or ex-wife ever tried to make you have sex against your will but did not succeed? They might have tried to physically force you to have sex or they might have tried to pressure you to have sex through harassment or threats.</td>
</tr>
</tbody>
</table>
Items of the VACS questionnaire that are used to measure any sexual violence in the past 12 months (continued)

<table>
<thead>
<tr>
<th>Form of SV</th>
<th>Question Number</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unwanted attempted sex</td>
<td>Q700B</td>
<td>Has anyone [else] ever tried to make you have sex against your will but did not succeed? If the individual did not have an intimate partner: They might have tried to physically force you to have sex or they might have tried to pressure you to have sex through harassment or threats.</td>
</tr>
<tr>
<td></td>
<td>Q701</td>
<td>Has a boyfriend/romantic partner, girlfriend/romantic partner, ex-boyfriend/romantic partner, ex-girlfriend/romantic partner, husband, wife, ex-husband or ex-wife ever tried to make you have sex against your will but did not succeed? They might have tried to physically force you to have sex or they might have tried to pressure you to have sex through harassment or threats.</td>
</tr>
<tr>
<td></td>
<td>Q702</td>
<td>Now think about the last time this happened. Did this happen to you within the past 12 months?</td>
</tr>
<tr>
<td></td>
<td>Q709</td>
<td>First time: Did this happen to you within the past 12 months?</td>
</tr>
<tr>
<td></td>
<td>Q800A</td>
<td>Has a boyfriend/romantic partner, girlfriend/romantic partner, ex-boyfriend/romantic partner, ex-girlfriend/romantic partner, husband, wife, ex-husband or ex-wife ever physically forced you to have sex and did succeed? By physical force, we mean things like being pinned or held down or use of violence like pulling your hair, pushing, shoving, punching, using or threatening to use a weapon, or threatening to physically harm you or a loved one. We include experiences when you may or may not have fought back.</td>
</tr>
<tr>
<td></td>
<td>Q800B</td>
<td>Has anyone [else] ever physically forced you to have sex against your will and did succeed? By physical force, we mean things like being pinned or held down or use of violence like pulling your hair, pushing, shoving, punching, using or threatening to use a weapon, or threatening to physically harm you or a loved one. We include experiences when you may or may not have fought back.</td>
</tr>
<tr>
<td></td>
<td>Q801</td>
<td>How many times in your life have you been physically forced to have sex?</td>
</tr>
<tr>
<td></td>
<td>Q802</td>
<td>Now think about the last time this happened. Did this happen to you within the past 12 months?</td>
</tr>
<tr>
<td></td>
<td>Q810</td>
<td>First time: Did this happen to you within the past 12 months?</td>
</tr>
<tr>
<td></td>
<td>Q900A</td>
<td>Has a boyfriend/romantic partner, girlfriend/romantic partner, ex-boyfriend/romantic partner, ex-girlfriend/romantic partner, husband, wife, ex-husband or ex-wife ever pressured you in a non-physical way to have sex against your will and did succeed? Pressured means doing things like threatening you, harassing you, telling you lies, making promises about the future they knew were untrue, threatening to end your relationship, or threatening to spread rumors about you.</td>
</tr>
<tr>
<td></td>
<td>Q900B</td>
<td>Has anyone [else] ever pressured you in a non-physical way to have sex against your will and did succeed?</td>
</tr>
</tbody>
</table>
Items of the VACS questionnaire that are used to measure any sexual violence in the past 12 months (continued)

<table>
<thead>
<tr>
<th>Form of SV</th>
<th>Question Number</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unwanted pressured sex</td>
<td>Q901</td>
<td>How many times in your life has someone pressured you in a non-physical way to have sex against your will and did succeed?</td>
</tr>
<tr>
<td></td>
<td>Q902</td>
<td>Now think about the last time this happened. Did this happen to you within the past 12 months?</td>
</tr>
<tr>
<td></td>
<td>Q909</td>
<td>First time: Did this happen to you within the past 12 months?</td>
</tr>
</tbody>
</table>

SAS code for any sexual violence in the past 12 months indicator:

```sas
/*Reported any unwanted sexual touching in the last 12 months (SV12MTH1)*/
IF Q601>=1 & (Q602 =1 | Q609 =1) THEN SV12MTH1=1;
ELSE IF Q601>=1 & (Q602 in (99,.98) & Q609 in (99,.98)) THEN SV12MTH1= ;
ELSE IF Q601>=1 & (Q602 in (2,.)) & Q609 in (2,)) THEN SV12MTH1=2;
ELSE IF Q600 =2 THEN SV12MTH1=2;

/*Reported any unwanted attempted sex in the last 12 months (SV12MTH2)*/
IF Q701>=1 & (Q702 =1 | Q709 =1) THEN SV12MTH2 =1;
ELSE IF Q701>=1 & (Q702 in (99,.98) & Q709 in (99,.98)) THEN SV12MTH2 = ;
ELSE IF Q701>=1 & (Q702 in (2,.)) | Q709 in (2,)) THEN SV12MTH2 =2;
ELSE IF (Q700A NE 1 &Q700B=2) | (Q700B NE 1 &Q700A =2) THEN SV12MTH2 =2;

/*Reported any physically forced sex in the last 12 months (SV12MTH3)*/
IF Q801>=1 & (Q802 =1 | Q810 =1) THEN SV12MTH3 =1;
ELSE IF Q801>=1 & (Q802 in (99,.98) & Q810 in (99,.98)) THEN SV12MTH3 = ;
ELSE IF Q801>=1 & (Q802 in (2,.)) | Q810 in (2,)) THEN SV12MTH3=2;
ELSE IF (Q800A NE 1 &Q800B=2) | (Q800B NE 1 &Q800A =2) THEN SV12MTH3 =2;

/*Reported any pressured sex in the last 12 months (SV12MTH4)*/
IF Q901>=1 & (Q902 =1 | Q909 =1) THEN SV12MTH4 =1;
ELSE IF Q901>=1 & (Q902 in (99,.98) & Q909 in (99,.98)) THEN SV12MTH4 = ;
ELSE IF Q901>=1 & (Q902 in (2,.)) | Q909 in (2,)) THEN SV12MTH4 =2;
ELSE IF (Q900A NE 1 &Q900B=2) | (Q900B NE 1 &Q900A =2) THEN SV12MTH4 =2;

/*Reported any sexual violence in the last 12 months (SV12MTH)*/
IF 13<=Q2<=17 THEN DO; /* SV12MTH only includes 13-17 year-olds */
IF SV12MTH1=1 | SV12MTH2 =1 | SV12MTH3 =1 | SV12MTH4 =1 THEN SV12MTH =1;
ELSE IF SV12MTH1=. & SV12MTH2 =. & SV12MTH3 =. & SV12MTH4 =. THEN SV12MTH = ;
ELSE IF SV12MTH1 in (2,.) & SV12MTH2 in (2,.) & SV12MTH3 in (2,.) & SV12MTH4 in (2,.)
THEN SV12MTH =2;
END;
```
Description of the SAS code for any sexual violence in past 12 months indicator:
The above SAS code can be read as follows and includes all participants who experienced sexual violence in the past 12 months. If the 13–17-year-old participant experienced unwanted sexual touching in the past 12 months, attempted sex in the past 12 months, physically forced sex in the past 12 months, or pressured sex in the past 12 months, then the participant is considered to have experienced any sexual violence in the past 12 months.
Appendix

\textit{STATA and R codes}

\# R code for lifetime sexual violence indicators

\# Reported any lifetime unwanted sexual touching

Lesotho_PUD\textbackslash n%<>% mutate(
  SV1LT = case_when(
    (SVTCH == 99 | SVTCH == 98 | is.na(Lesotho_PUD$SVTCH)) - NA_real_,
    SVTCH == 1 - 1, TRUE - 2
  )
)

\# Reported any lifetime unwanted attempted sex

Lesotho_PUD\textbackslash n%<>% mutate(
  SV2LT = case_when(
    (SVAFSSX == 99 | SVAFSSX == 98 | is.na(Lesotho_PUD$SVAFSSX)) &
    (SVAFSANY == 99 | SVAFSANY == 98 | is.na(Lesotho_PUD$SVAFSANY)) - NA_real_,
    SVAFSSX == 1 | SVAFSANY == 1 - 1, TRUE - 2
  )
)

\# Reported any lifetime physically forced sex

Lesotho_PUD\textbackslash n%<>% mutate(
  SV3LT = case_when(
    (SVPFSSX == 99 | SVPFSSX == 98 | is.na(Lesotho_PUD$SVPFSSX)) &
    (SVPFSANY == 99 | SVPFSANY == 98 | is.na(Lesotho_PUD$SVPFSANY)) - NA_real_,
    SVPFSANY == 1 | SVPFSSX == 1 - 1, TRUE - 2
  )
)

\# Reported any lifetime pressured sex

Lesotho_PUD\textbackslash n%<>% mutate(
  SV4LT = case_when(
    (SVPRSSX == 99 | SVPRSSX == 98 | is.na(Lesotho_PUD$SVPRSSX)) &
    (SVPRSANY == 99 | SVPRSANY == 98 | is.na(Lesotho_PUD$SVPRSANY)) - NA_real_,
    SVPRSANY == 1 | SVPRSSX == 1 - 1, TRUE - 2
  )
)

\# Reported any lifetime sexual violence

Lesotho_PUD \%<>%

SAB = case_when(
  SV1LT == 1 | SV2LT == 1 | SV3LT == 1 | SV4LT == 1 - 1, # YES
  (is.na(Lesotho_PUD$SV1LT)) & (is.na(Lesotho_PUD$SV2LT)) &
  (is.na(Lesotho_PUD$SV3LT)) & (is.na(Lesotho_PUD$SV4LT)) - NA_real_, # MISSING
  SV1LT == 2 | is.na(Lesotho_PUD$SV1LT)) &
  (SV2LT == 2 | is.na(Lesotho_PUD$SV2LT)) &
  (SV3LT == 2 | is.na(Lesotho_PUD$SV3LT)) &
  (SV4LT == 2 | is.na(Lesotho_PUD$SV4LT)) - 2, # NO
  TRUE - 2
)
Violence Against Children and Youth Surveys  
Country - Lesotho  
Survey Year - 2019  

Note: Lesotho_PUD is the public use dataset

*STATA code for lifetime sexual violence indicators*

```stata
/*Reported any lifetime unwanted sexual touching*/
generate SV1LT = . if SVTCH>=98
replace SV1LT = 1 if SVTCH == 1
replace SV1LT = 2 if SVTCH == 2

/*Reported any lifetime unwanted attempted sex*/
generate SV2LT = . if SVAFSSX>=98 & SVAFSANY>=98
replace SV2LT = 1 if SVAFSSX == 1 & SVAFSANY==1
replace SV2LT = 2 if SVAFSSX == 2 & SVAFSANY==2

/*Reported any lifetime physically forced sex*/
generate SV3LT = . if SVPFSSX>=98 & SVPFSANY>=98
replace SV3LT = 1 if SVPFSSX == 1 & SVPFSANY==1
replace SV3LT = 2 if SVPFSSX == 2 & SVPFSANY==2

/*Reported any lifetime pressured sex*/
generate SV4LT = . if SVPRSSX>=98 & SVPRSANY>=98
replace SV4LT = 1 if SVPRSSX == 1 & SVPRSANY==1
replace SV4LT = 2 if SVPRSSX == 2 & SVPRSANY==2

/*Reported any lifetime sexual violence*/
generate SAB =1 if SV1LT==1 | SV2LT==1 |SV3LT==1 |SV4LT==1 /*YES*/
replace SAB = . if SV1LT==. & SV2LT==. & SV3LT==. & SV4LT==./*MISSING*/
replace SAB = 2 if SV1LT>=2 & SV2LT>=2 &
SV3LT>=2 & SV4LT>=2 /*NO*/
```

*R code for calculating childhood sexual violence indicator*

```r
##Reported any unwanted sexual touching prior to age 18 (SV1_ONLY) *
Lesotho_PUD %<>%
mutate(
  SV1ONLY = case_when( 
    Q601>=1 & Q610<18 ~ 1,
    Q601>=1 & (Q610==99 | (is.na(Lesotho_PUD$Q601) | Q610==98)) & Q610<18 ~ 1,
    Q601>=1 & (Q610==99 | (is.na(Lesotho_PUD$Q610) | Q610==98)) & (is.na(Lesotho_PUD$Q603) | Q603==99 | Q603==98) ~ NA_real_,
    Q600==2 ~ 2,
    TRUE ~ 2
  )
)

##Reported any unwanted attempted sex prior to age 18 (SV2_ONLY) *
Lesotho_PUD %<>%
mutate(
  SV2_ONLY = case_when( 
    Q701>=1 & Q710<18 ~ 1,
    Q701>=1 & (Q710==99 | (is.na(Lesotho_PUD$Q701) | Q710==98)) & Q710<18 ~ 1,
    Q701>=1 & (Q710==99 | (is.na(Lesotho_PUD$Q710) | Q710==98)) & (is.na(Lesotho_PUD$Q703) | Q703==99 | Q703==98) ~ NA_real_,
    Q700==2 ~ 2,
    TRUE ~ 2
  )
)```
Q701>=1 & (18<= Q710<98) ~ 2, 
Q701>=1 & (Q710==99 | (is.na(Lesotho_PUD$Q710) | Q710==98)) & Q710<18 ~ 1, 
Q701>=1 & (Q710==99 | (is.na(Lesotho_PUD$Q710) | Q710==98)) & 
(is.na(Lesotho_PUD$Q703) | Q703==99 | Q703==98) ~ NA_real_, 
(Q700A!1 & Q700B==2) | (Q700B!1 & Q700A==2) ~ 2, 
TRUE ~ 2 )
)

#*Reported any physically forced sex prior to age 18 (SV3_ONLY)*

Lesotho_PUD %<>%
mutate(
  SV3_ONLY = case_when(
    Q801>=1 & Q811<18 ~ 1, 
    Q801>=1 & (18<= Q811<98) ~ 2, 
    Q801>=1 & (Q811==99 | (is.na(Lesotho_PUD$Q811) | Q811==98)) & Q811<18 ~ 1, 
    Q801>=1 & (Q811==99 | (is.na(Lesotho_PUD$Q811) | Q811==98)) & 
    (is.na(Lesotho_PUD$Q803) | Q803==99 | Q803==98) ~ NA_real_, 
    (Q800A!1 & Q800B==2) | (Q800B!1 & Q800A==2) ~ 2, 
    TRUE ~ 2 )
)

#*Reported any pressured sex prior to age 18 (SV4_ONLY)*

Lesotho_PUD %<>%
mutate(
  SV4_ONLY = case_when(
    Q901>=1 & Q910<18 ~ 1, 
    Q901>=1 & (18<= Q910<98) ~ 2, 
    Q901>=1 & (Q910==99 | (is.na(Lesotho_PUD$Q910) | Q910==98)) & Q910<18 ~ 1, 
    Q901>=1 & (Q910==99 | (is.na(Lesotho_PUD$Q910) | Q910==98)) & 
    (is.na(Lesotho_PUD$Q903) | Q903==99 | Q903==98) ~ NA_real_, 
    (Q900A!1 & Q900B==2) | (Q900B!1 & Q900A==2) ~ 2, 
    TRUE ~ 2 )
)

#*Reported any sexual violence in childhood (i.e before age 18)(SV18)*

Lesotho_PUD %<>%
mutate(
  SV18 = case_when(
    SV1 ONLY==1 | SV2 ONLY==1 | SV3 ONLY==1 | SV4 ONLY==1 ~ 1, 
    Q901>=1 & (18<= Q910<98) ~ 2, 
    is.na(Lesotho_PUD$SV1 ONLY) | is.na(Lesotho_PUD$SV2 ONLY) | 
    is.na(Lesotho_PUD$SV3 ONLY) | is.na(Lesotho_PUD$SV4 ONLY) | ~ NA_real_, 
    (is.na(Lesotho_PUD$SV1 ONLY) | SV1 ONLY==2) & (is.na(Lesotho_PUD$SV2 ONLY) | 
    SV2 ONLY==2) & 
    (is.na(Lesotho_PUD$SV3 ONLY) | SV3 ONLY==2) & (is.na(Lesotho_PUD$SV4 ONLY) | 
    SV4 ONLY==2) ~ 2, 
    TRUE ~ 2 )
)
Violence Against Children and Youth Surveys  
Country - Lesotho  
Survey Year - 2019

* STATA code for calculating childhood sexual violence indicator

*Reported any unwanted sexual touching prior to age 18 (SV1_ONLY)*
  
  generate SV1_ONLY = 1 if Q601>=1 & Q610< 18
  replace SV1_ONLY = 2 if Q601>=1 & inrange(Q610,18,97)
  replace SV1_ONLY = 1 if Q601>=1 & Q610>=98 & Q603<18
  replace SV1_ONLY = . if Q601>=1 & Q610>=98 & Q603>=98
  replace SV1_ONLY = 2 if Q600==2

/**Reported any unwanted attempted sex prior to age 18 (SV2_ONLY)* /
  generate SV2_ONLY = 1 if Q701>=1 & Q710< 18
  replace SV2_ONLY = 2 if Q701>=1 & inrange(Q710,18,97)
  replace SV2_ONLY = 1 if Q701>=1 & Q710>=98 & Q703<18
  replace SV2_ONLY = . if Q701>=1 & Q710>=98 & Q703>=98
  replace SV2_ONLY = 2 if (Q700A!=1 & Q700B==2) | (Q700B !=1 & Q700A==2)

/**Reported any physically forced sex prior to age 18 (SV3_ONLY)*/
  generate SV3_ONLY = 1 if Q801>=1 & Q811< 18
  replace SV3_ONLY = 2 if Q801>=1 & inrange(Q811,18,97)
  replace SV3_ONLY = 1 if Q801>=1 & Q811>=98 & Q803<18
  replace SV3_ONLY = . if Q801>=1 & Q811>=98 & Q803>=98
  replace SV3_ONLY = 2 if (Q800A!=1 & Q800B==2) | (Q800B !=1 & Q800A==2)

/**Reported any pressured sex prior to age 18 (SV4_ONLY)*/
  generate SV4_ONLY = 1 if Q901>=1 & Q910< 18
  replace SV4_ONLY = 2 if Q901>=1 & inrange(Q910,18,97)
  replace SV4_ONLY = 1 if Q901>=1 & Q910>=98 & Q903<18
  replace SV4_ONLY = . if Q901>=1 & Q910>=98 & Q903>=98
  replace SV4_ONLY = 2 if (Q900A!=1 & Q900B==2) | (Q900B !=1 & Q900A==2)

/**Reported any sexual violence in childhood (i.e. before age 18) (SV18)*/
  generate SV18 = 1 if Q901>=1 & Q910< 18
  replace SV18 = 1 if SV1_ONLY==1 | SV2_ONLY==1 | SV3_ONLY==1 | SV4_ONLY==1
  replace SV18 = . if SV1_ONLY==. | SV2_ONLY==. | SV3_ONLY==. | SV4_ONLY==.
  replace SV18 = 2 if SV1_ONLY==2 & SV2_ONLY==2 & SV3_ONLY==2 & SV4_ONLY==2

# R code for any sexual violence in the past 12 months indicator

** Reported any unwanted sexual touching in the last 12 months (SV12MTH1)*

Lesotho_PUD %>%
  mutate(
    SV12MTH1 = case_when(
      Q601 >=1 & (Q602 ==1 | Q609 ==1) ~ 1, #Q609=SV1FT
      Q601>=1 & (Q602==99 | is.na(Lesotho_PUD$Q602) | Q602==98) &
      (Q609 ==99 | is.na(Lesotho_PUD$Q609 ) | Q609 ==98)~ NA_real_,
      Q601>=1 & (Q602==2 | is.na(Lesotho_PUD$Q602)) &
      (Q609 ==2 | is.na(Lesotho_PUD$Q609 )) ~ 2,
      Q600 ==2 ~ 2,)
**Reported any unwanted attempted sex in the last 12 months (SV12MTH2)**

```r
TRUE ~ NA_real_
```

**Reported any physically forced sex in the last 12 months (SV12MTH3)**

```r
TRUE ~ NA_real_
```

**Reported any pressured sex in the last 12 months (SV12MTH4)**

```r
TRUE ~ NA_real_
```

**Reported any sexual abuse in the last 12 months (SV12MTH)**

```r
TRUE ~ NA_real_
```
is.na(Lesotho_PUD$SV12MTH1) | is.na(Lesotho_PUD$SV12MTH2) | is.na(Lesotho_PUD$SV12MTH3) | is.na(Lesotho_PUD$SV12MTH4) | ~ NA_real_, (is.na(Lesotho_PUD$SV12MTH1) | SV12MTH1==2) & (is.na(Lesotho_PUD$SV12MTH2) | SV12MTH2==2) & (is.na(Lesotho_PUD$SV12MTH3) | SV12MTH3==2) & (is.na(Lesotho_PUD$SV12MTH4) | SV12MTH4==2) - 2,
TRUE - 2
)

*STATA code for any sexual violence in the past 12 months indicator

/* Reported any unwanted sexual touching in the past 12 months (SV12MTH1)*/
generate SV12MTH1 =1 if    Q601>=1 & (Q602 ==1 | Q609 ==1)
replace SV12MTH1 = .   if   Q601>=1 & (Q602==98 | Q609==98)
replace SV12MTH1 = 2 if   Q601>=1 & (Q602>2 | Q609>2)
replace SV12MTH1 = 2 if   Q600==2

/* Reported any unwanted attempted sex in the last 12 months (SV12MTH2)*/
generate SV12MTH2 =1 if   Q701==1 & (Q702 ==1 | Q709 ==1)
replace SV12MTH2 = .   if   Q701==1 & (Q702==98 | Q709==98)
replace SV12MTH2 = 2 if   Q701==1 & (Q702>2 | Q709>2)
replace SV12MTH2 = 2 if   Q700A!=1 & Q700B==2) | (Q700B !=1 & Q700A==2)

/* Reported any physically forced sex in the last 12 months (SV12MTH3)*/
generate SV12MTH3 =1 if   Q801==1 & (Q802 ==1 | Q810 ==1)
replace SV12MTH3 = .   if   Q801==1 & (Q802==98 | Q810==98)
replace SV12MTH3 = 2 if   Q801==1 & (Q802>2 | Q810>2)
replace SV12MTH3 = 2 if   Q800A!=1 & Q800B==2) | (Q800B !=1 & Q800A==2)

/* Reported any pressured sex in the last 12 months (SV12MTH4)*/
generate SV12MTH4 =1 if  Q901==1 & (Q902 ==1 | Q909 ==1)
replace SV12MTH4 = .  if   Q901==1 & Q902==98 | Q909==98)
replace SV12MTH4 = 2 if   Q901==1 & (Q902>2 | Q909>2)
replace SV12MTH4 = 2 if   (Q900A!=1 & Q900B==2) | (Q900B !=1 & Q900A==2)

/*Reported any sexual abuse in the last 12 months (SV12MTH)*/
generate SV12MTH = 1 if SV12MTH1==1 | SV12MTH2==1 | SV12MTH3==1 | SV12MTH4==1
replace SV12MTH = 2 if   SV12MTH1>=2 & SV12MTH2>=2 & SV12MTH3>=2 & SV12MTH4>=2

Resources

- CDC’s Violence Against Children and Youth Surveys
- Sampling design and methodology of the Violence Against Children and Youth Surveys
- Violence Against Children Surveys - Country Reports
- WHO Consolidated guidelines on HIV testing services