Violence Against Children and Youth Surveys (VACS)

Data User Guide

Moldova Public Use Dataset

2021
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Introduction

The Moldova 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. 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 objectives of the Moldova 2019 VACS were to:

- Estimate the national prevalence of physical, emotional and sexual violence in childhood, adolescence, and young adulthood.
- Identify risk and protective factors for physical, emotional and sexual violence against children and youth in Moldova to inform stakeholders and guide prevention efforts.
- Identify the health and social consequences associated with violence against children and youth in Moldova.
- 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 Moldova, 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 Moldova provides access to public use datasets (PUDs) for the Moldova 2019 VACS data 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 Moldova 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 Moldova 2019 VACS, only completed participant questionnaires were included. A total of 1,021 females and 978 males in-person participant interviews were completed during October 2018 to February 2019.

Eligibility Criteria

Households were included if there was at least one eligible member of the household who was between ages 13 and 24 years, and who resided in selected households in Moldova and spoke one of the following languages: Romanian or Russian. 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.

Survey Design and Sampling

The sampling frame for the Moldova 2019 VACS was originally compiled by the National Bureau of Statistics (NBS) and Central Election Committee (CEC) for the 2014 Census and 2016 Elections. The survey used a four-stage cluster sampling design. Primary sampling units (PSUs) were randomly assigned as male or female PSUs. The Moldova 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 Moldova VACS used a multi-stage sample design:*

Stage 1 – A total of 93 localities were selected from 897 localities and 1,981 PSUs in the Moldova 2014 census using probability proportional to size.
Stage 2 – 128 PSUs were selected from the selected localities using random selection (64 female PSUs and 64 male PSUs).

Stage 3 – 25 households were selected using equal probability systematic sampling within each PSU. However, during fieldwork there was a lower-than-anticipated number of completed interviews, due mostly to lower-than-anticipated household response rates, particularly in urban areas. In order to adapt to the low household response rates that affected achieving the target sample size, the cluster size was increased to 50 households in the urban PSUs, and an additional 30 female PSUs and 30 male PSUs were added to the sample, totaling 188 PSUs. The additional PSUs were randomly selected within the 93 localities selected during the first stage of the sample design.

Stage 4 – One eligible participant (female or male depending on the selected PSU) was randomly selected from the list of all eligible participants (females or males) 13–24 years of age in each household and administered the questionnaire.

**Sample Size**

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

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

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 to be 20% from available research in The Republic of Moldova).

\(e\) = Margin of Error (recommended to be set at 0.04 to balance the reality of survey costs with the precision of estimates).

\(DEFF\) = Design Effect

\(\hat{N}\) = 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 2.5 \((DEFF = 2.5)\), and an estimated sexual violence prevalence of 20.0% \((\hat{p} = 0.20)\), the national effective sample size for the female population was:
Based on similar assumptions and sexual violence prevalence of 20.0% for the male population ($\hat{p} = 0.20$), the national effective samples size for the male population was:

$$1.96^2 \frac{\hat{p}(1 - \hat{p})}{0.04^2} \times 2.5 = 960$$

**Data Collection**

Data collection was conducted between October 2018 and February 2019. 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 as 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**
Household Listing  | Individual Interview
--- | ---
[6] Refused
[7] Other

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

\[
HHRR = \frac{[1]}{[1] + [2] + [4] + [6]}
\]

**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):

\[
IRR = \frac{[1]}{[1] + [2] + [3] + [4]}
\]

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

Given the split sample design of the Moldova 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.
### RESPONSE RATE

<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>56.8%</td>
<td>83.4%</td>
<td>47.3%</td>
</tr>
<tr>
<td>Male</td>
<td>55.6%</td>
<td>81.7%</td>
<td>45.5%</td>
</tr>
</tbody>
</table>

### Weighting

To analyze the 2019 Moldova VACS, a survey weight was calculated for each record. CDC weighted the data to obtain parameters representing the total population of Moldova 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:

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

where:

- \( \left( \frac{n_{selected\ PSUs}}{N_{Total\ PSUs}} \right) \) is the PSU level probability
- \( \left( \frac{Selected\ households_{PSUs}}{Total\ households_{PSUs}} \right) \) is the household level probability, and
- \( \left( \frac{1}{N_{Eligible}} \right) \) is the individual probability

Household base weight:

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

#### Non-Response Weighting/Adjustments

The overall non-response weight was calculated as the inverse of the weighted response rate.

Household Non – Response Weighting /Adjustment:
Violence Against Children and Youth Surveys  
Country – Moldova  
Survey Year – 2019

(Weighted) Household Response Rate (HHRW) = 
\( \frac{\text{Household base weights complete}}{\text{Household base weights eligible}} \)

**Individual Non-Response Weighting/Adjustment:**

(Weighted) Individual Response Rate (IRRW) =
\( \frac{\text{Individual base weights complete}}{\text{Individual base weights eligible}} \)

Weighted Overall Response Rate (ORR) =
\( (HHRW \times IRRW) \)

Non-Response Weight (NRW) =
\( \left( \frac{1}{ORR} \right) \)

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 to 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 Moldova VACS, the variable STRATA should be used for stratification, the variable PSU should be used for clustering, and the variable SAMPLEWEIGHT should be used as the survey weight.

The Moldova 2019 VACS PUD included the following list of calculated variables:
## Sexual Violence

<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 lifetime sexual unwanted touching</td>
<td>SV1LT</td>
</tr>
<tr>
<td>Any lifetime attempted sex</td>
<td>SV2LT</td>
</tr>
<tr>
<td>Any lifetime physically forced sex</td>
<td>SV3LT</td>
</tr>
<tr>
<td>Any lifetime pressured sex</td>
<td>SV4LT</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>Pressured 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_ONLY18</td>
</tr>
<tr>
<td>Attempted sex in childhood</td>
<td>SV2_ONLY18</td>
</tr>
<tr>
<td>Physically forced sex in childhood</td>
<td>SV3_ONLY18</td>
</tr>
<tr>
<td>Pressured sex in childhood</td>
<td>SV4_ONLY18</td>
</tr>
<tr>
<td>Told someone about any incident of sexual violence</td>
<td>SVTELL</td>
</tr>
<tr>
<td>Knew a place to seek professional help among those who experienced any sexual violence</td>
<td>SVKNEWPLACE</td>
</tr>
<tr>
<td>Sought help for any incident of sexual violence among those who experienced any sexual violence</td>
<td>SVSOUGHT</td>
</tr>
<tr>
<td>Received professional service for any incident of sexual violence</td>
<td>SVRECVDSERV</td>
</tr>
<tr>
<td>Sexual debut at or before 15</td>
<td>SEXDEBUTAGE15</td>
</tr>
<tr>
<td>Ever engaged in transactional sex (received money, food, or gifts for sex)</td>
<td>TRANSEXEVER</td>
</tr>
</tbody>
</table>
### Physical Violence

<table>
<thead>
<tr>
<th>Description</th>
<th>Variable Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any lifetime physical violence</td>
<td>PVLT</td>
</tr>
<tr>
<td>Any lifetime physical violence by intimate partner</td>
<td>PVPARTLT</td>
</tr>
<tr>
<td>Any lifetime physical violence by peer</td>
<td>PVPEERLT</td>
</tr>
<tr>
<td>Any lifetime physical violence by parent, adult caregivers &amp; other adult relatives</td>
<td>PVPARERLT</td>
</tr>
<tr>
<td>Any lifetime physical violence by adults in the community</td>
<td>PVCOMRTL</td>
</tr>
<tr>
<td>Physical violence by any perpetrator type in the past 12 months</td>
<td>PV12MTH</td>
</tr>
<tr>
<td>Physical violence in the past 12 months by intimate partner</td>
<td>IPV12MTH</td>
</tr>
<tr>
<td>Physical violence in the past 12 months by peers</td>
<td>PVPEER12MTH</td>
</tr>
<tr>
<td>Physical violence in the past 12 months by parent, adult caregivers &amp; other adult relatives</td>
<td>PVPARE12MTH</td>
</tr>
<tr>
<td>Physical violence in the past 12 months by adults in the community</td>
<td>PVCOMM12MTH</td>
</tr>
<tr>
<td>Physical violence by any perpetrator type in childhood</td>
<td>PV18</td>
</tr>
<tr>
<td>Physical violence in childhood by intimate partner</td>
<td>PVPART18</td>
</tr>
<tr>
<td>Physical violence in childhood by peers</td>
<td>PVPEER18</td>
</tr>
<tr>
<td>Physical violence in childhood by parent, adult caregivers &amp; other adult relatives</td>
<td>PVPARE18</td>
</tr>
<tr>
<td>Physical violence in childhood by adults in the community</td>
<td>PVCOMM18</td>
</tr>
<tr>
<td>Told someone about any incident of physical violence</td>
<td>PVTELL</td>
</tr>
<tr>
<td>Knew a place to seek professional help among those who experienced any physical violence</td>
<td>PVKNEWPLACE</td>
</tr>
<tr>
<td>Sought help for any incident of sexual violence among those who experienced any physical violence</td>
<td>PVSOUIGHT</td>
</tr>
<tr>
<td>Received professional service for any incident of physical violence</td>
<td>PVRECVDSERV</td>
</tr>
</tbody>
</table>

### Emotional Violence

<table>
<thead>
<tr>
<th>Description</th>
<th>Variable Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any lifetime emotional violence by parent, adult caregiver or other adult relative</td>
<td>EV1LT</td>
</tr>
<tr>
<td>Any emotional violence in the past 12 months by parent, adult caregiver or other adult relative</td>
<td>EV12MTH1</td>
</tr>
<tr>
<td>Any emotional violence in childhood by parent, adult caregiver or other adult relative</td>
<td>EV118</td>
</tr>
</tbody>
</table>
Creating calculated variables

Introduction:

This document provides information on calculated core violence variables from the Moldova 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

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;
Violence Against Children and Youth Surveys
Country – Moldova
Survey Year – 2019

(3) Pressured sex; and

(4) Physically forced 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 this 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/girlfriend/intimate partner, ex-boyfriend/ex-girlfriend/intimate partner, husband/wife, or ex-husband/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 have sex through harassment, threats and tricks.</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?</td>
</tr>
<tr>
<td>Physically forced sex</td>
<td>Q800A</td>
<td>Has a boyfriend/girlfriend/intimate partner, ex-boyfriend/ex-girlfriend/intimate partner, husband/wife, or ex-husband/ex-wife ever physically forced you to have sex and did succeed?</td>
</tr>
<tr>
<td></td>
<td>Q800B</td>
<td>Has anyone else ever physically forced you to have sex and did succeed?</td>
</tr>
<tr>
<td>Pressured sex</td>
<td>Q900A</td>
<td>Has a boyfriend/girlfriend/intimate partner, ex-boyfriend/ex-girlfriend/intimate partner, husband/wife, or ex-husband/ex-wife ever pressured you to have sex and did succeed? They might have verbally pressured you to have sex, or they might have pressured you to have sex through harassment, threats and tricks, or you were too drunk to say no to them.</td>
</tr>
<tr>
<td></td>
<td>Q900B</td>
<td>Has anyone else ever pressured you to have sex and did succeed?</td>
</tr>
</tbody>
</table>

**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 follows and includes all participants who experienced any sexual violence in their lifetime. If the participant experienced unwanted sexual touching, or attempted sex, or had physically forced sex, or pressured sex in their lifetime, then the participant is considered to have experienced lifetime sexual violence.

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.

Items of childhood sexual violence indicator in the VACS survey

<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>
</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><strong>Unwanted attempted sex</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q700A</td>
<td></td>
<td>Has a boyfriend/girlfriend/intimate partner, ex-boyfriend/ex-girlfriend/intimate partner, husband/wife, or ex-husband/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 have sex through harassment, threats and tricks.</td>
</tr>
<tr>
<td>Q700B</td>
<td></td>
<td>Has anyone else ever tried to make you have sex against your will but did not succeed?</td>
</tr>
<tr>
<td>Q701</td>
<td></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 have sex through harassment, threats and tricks.</td>
</tr>
<tr>
<td>Q703</td>
<td></td>
<td>How old were you the last time this happened?</td>
</tr>
<tr>
<td>Q710</td>
<td></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><strong>Physically forced sex</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q800A</td>
<td></td>
<td>Has a boyfriend/girlfriend/intimate partner, ex-boyfriend/ex-girlfriend/intimate partner, husband/wife, or ex-husband/ex-wife ever physically forced you to have sex and did succeed?</td>
</tr>
<tr>
<td>Q800B</td>
<td></td>
<td>Has anyone else ever physically forced you to have sex and did succeed?</td>
</tr>
<tr>
<td>Q801</td>
<td></td>
<td>How many times in your life have you been physically forced to have sex?</td>
</tr>
<tr>
<td>Q803</td>
<td></td>
<td>How old were you the last time this happened?</td>
</tr>
<tr>
<td>Q811</td>
<td></td>
<td>How old were you the first time anyone physically forced you to have sex?</td>
</tr>
<tr>
<td><strong>Pressured sex</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q900A</td>
<td></td>
<td>Has a boyfriend/girlfriend/intimate partner, ex-boyfriend/ex-girlfriend/intimate partner, husband/wife, or ex-husband/ex-wife ever pressured you to have sex and did succeed? They might have verbally pressured you to have sex, or they might have pressured you to have sex through harassment, threats and tricks, or you were too drunk to say no to them.</td>
</tr>
<tr>
<td>Q900B</td>
<td></td>
<td>Has anyone else ever pressured you to have sex and did succeed?</td>
</tr>
<tr>
<td>Q901</td>
<td></td>
<td>How many times in your life has someone pressured you to have sex through harassment, threats or tricks and did succeed?</td>
</tr>
<tr>
<td>Q903</td>
<td></td>
<td>How old were you the last time this happened?</td>
</tr>
<tr>
<td>Q910</td>
<td></td>
<td>How old were you the first time anyone pressured you to have sex through harassment, threats and tricks 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 = .;
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 & Q710<18 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=99 | Q703=98 |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 & Q811<18 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=98 |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;
ELSE IF Q901>=1 & Q910<18 THEN SV4_ONLY = 2;
ELSE IF Q901>=1 & (Q910=99 | Q910 = . | Q910 =98) & (.<Q903<18) THEN SV4_ONLY =1;
ELSE IF Q901>=1 & (Q910=99 | Q910 = . | Q910 =98) & (Q903=99 | Q903=98 | Q903=. | Q903 =98) THEN SV4_ONLY = .;
ELSE IF (Q900A NE 1 &Q900B=2) | (Q900B NE 1 &Q900A =2) THEN SV4_ONLY =2;

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

IF 18<=Q2<=24 THEN DO; /* SV18 only includes 18-24 year-olds */
IF SV1_ONLY=1| SV2_ONLY=1| SV3_ONLY=1| SV4_ONLY=1 THEN SV18 = 1;
ELSE IF SV1_ONLY= . & SV2_ONLY= . & SV3_ONLY= . & SV4_ONLY= . THEN SV18 = .;
ELSE IF SV1_ONLY in (2,.) & SV2_ONLY in (2,.) & SV3_ONLY in (2,.) & SV4_ONLY in (2,.)
THEN SV18 = 2;
END;

Description of the SAS code for childhood sexual violence indicator:

The above SAS code can be read as follows and includes all 18-24 year-olds who experienced childhood sexual violence. If the 18-24-year-old participant experienced any unwanted sexual touching during childhood, attempted sex during childhood, physically forced sex during childhood, or pressured sex during childhood, then the participant is considered to have experienced childhood sexual violence.
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>Unwanted attempted sex</td>
<td>Q700A</td>
<td>Has a boyfriend/girlfriend/intimate partner, ex-boyfriend/ex-girlfriend/intimate partner, husband/wife, or ex-husband/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 have sex through harassment, threats and tricks.</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?</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 have sex through harassment, threats and tricks.</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>Physically forced sex</td>
<td>Q800A</td>
<td>Has a boyfriend/girlfriend/intimate partner, ex-boyfriend/ex-girlfriend/intimate partner, husband/wife, or ex-husband/ex-wife ever physically forced you to have sex and did succeed?</td>
</tr>
<tr>
<td></td>
<td>Q800B</td>
<td>Has anyone else ever physically forced you to have sex and did succeed?</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>
</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>Pressured sex</td>
<td>Q900A</td>
<td>Has a boyfriend/girlfriend/intimate partner, ex-boyfriend/ex-girlfriend/intimate partner, husband/wife, or ex-husband/ex-wife ever pressured you to have sex and did succeed? They might have verbally pressured you to have sex, or they might have pressured you to have sex through harassment, threats and tricks, or you were too drunk to say no to them.</td>
</tr>
<tr>
<td></td>
<td>Q900B</td>
<td>Has anyone else ever pressured you to have sex and did succeed?</td>
</tr>
<tr>
<td></td>
<td>Q901</td>
<td>How many times in your life has someone pressured you to have sex through harassment, threats or tricks 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 */
```
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 13-17 year-olds who experienced sexual violence in the past 12 months. (please see Appendix for corresponding R and STATA codes). 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

**STATA and R codes**

### R code for lifetime sexual violence indicators

#### Reported any lifetime unwanted sexual touching

```r
Moldova_PUD %<>% mutate(
  SV1LT = case_when(
    (SVTCH == 99 | SVTCH == 98 | is.na(Moldova_PUD$SVTCH)) ~ NA_real_,
    SVTCH == 1 ~ 1, TRUE ~ 2
  )
)
```

#### Reported any lifetime unwanted attempted sex

```r
Moldova_PUD %<>% mutate(
  SV2LT = case_when(
    (SVAFSSX == 99 | SVAFSSX == 98 | is.na(Moldova_PUD$SVAFSSX)) &
    (SVAFSANY == 99 | SVAFSANY == 98 | is.na(Moldova_PUD$SVAFSANY)) ~ NA_real_,
    SVAFSSX == 1 | SVAFSANY == 1 ~ 1, TRUE ~ 2
  )
)
```

#### Reported any lifetime physically forced sex

```r
Moldova_PUD %<>% mutate(
  SV3LT = case_when(
    (SVPFSSX == 99 | SVPFSSX == 98 | is.na(Moldova_PUD$SVPFSSX)) &
    (SVPFSANY == 99 | SVPFSANY == 98 | is.na(Moldova_PUD$SVPFSANY)) ~ NA_real_,
    SVPFSANY == 1 | SVPFSSX == 1 ~ 1, TRUE ~ 2
  )
)
```

#### Reported any lifetime pressured sex

```r
Moldova_PUD %<>% mutate(
  SV4LT = case_when(
    (SVPRSSX == 99 | SVPRSSX == 98 | is.na(Moldova_PUD$SVPRSSX)) &
    (SVPRSANY == 99 | SVPRSANY == 98 | is.na(Moldova_PUD$SVPRSANY)) ~ NA_real_,
    SVPRSANY == 1 | SVPRSSX == 1 ~ 1, TRUE ~ 2
  )
)
```

#### Reported any lifetime sexual violence

```r
Moldova_PUD %<>% mutate(
  SAB = case_when(
    SV1LT == 1 | SV2LT == 1 | SV3LT == 1 | SV4LT == 1 ~ 1, # YES
    (is.na(Moldova_PUD$SV1LT)) & (is.na(Moldova_PUD$SV2LT)) &
    (is.na(Moldova_PUD$SV3LT)) & (is.na(Moldova_PUD$SV4LT)) ~ NA_real_, # MISSING
    (SV1LT == 2 | is.na(Moldova_PUD$SV1LT)) &
    (SV2LT == 2 | is.na(Moldova_PUD$SV2LT)) &
    (SV3LT == 2 | is.na(Moldova_PUD$SV3LT)) &
    (SV4LT == 2 | is.na(Moldova_PUD$SV4LT)) ~ 2, # NO
    TRUE ~ 2
  )
)
```
Note: Moldova_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)
Moldova_PUD %>%
    mutate(
        SV1_ONLY = case_when(
            Q601>=1 & Q610<18 ~ 1,
            Q601>=1 & (Q610<98 | Q610==99 | (is.na(Moldova_PUD$Q610) | Q610==98) & Q610<18 ~ 1,
            Q601>=1 & (Q610<99 | (is.na(Moldova_PUD$Q610) | Q610==98) & (is.na(Moldova_PUD$Q603) | Q603==99 | Q603==98) & Q60==2 ~ 2,
            TRUE ~ 2
        )
    )

###Reported any unwanted attempted sex prior to age 18 (SV2_ONLY)
Moldova_PUD %>%
    mutate(
        SV2_ONLY = case_when(
            Q701>=1 & Q710<18 ~ 1,
        )
```
Q701>=1 & (18<=Q710<98) ~ 2,
Q701>=1 & (Q710==99 | (is.na(Moldova_PUD$Q710) | Q710==98)) & Q710<18 ~ 1,
Q701>=1 & (Q710==99 | (is.na(Moldova_PUD$Q710) | Q710==98)) &
(is.na(Moldova_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)*

Moldova_PUD %>%
mutate(
SV3_ONLY = case_when(
Q801>=1 & Q811<18 ~ 1,
Q801>=1 & (18<=Q811<98) ~ 2,
Q801>=1 & (Q811==99 | (is.na(Moldova_PUD$Q811) | Q811==98)) & Q811<18 ~ 1,
Q801>=1 & (Q811==99 | (is.na(Moldova_PUD$Q811) | Q811==98)) &
(is.na(Moldova_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)*

Moldova_PUD %>%
mutate(
SV4_ONLY = case_when(
Q901>=1 & Q910<18 ~ 1,
Q901>=1 & (18<=Q910<98) ~ 2,
Q901>=1 & (Q910==99 | (is.na(Moldova_PUD$Q910) | Q910==98)) & Q910<18 ~ 1,
Q901>=1 & (Q910==99 | (is.na(Moldova_PUD$Q910) | Q910==98)) &
(is.na(Moldova_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)*

Moldova_PUD %>%
mutate(
SV18 = case_when(
SV1_ONLY==1 | SV2_ONLY==1 | SV3_ONLY==1 | SV4_ONLY==1 ~ 1,
SV1_ONLY==1 | (18<=Q910<98) ~ 2,
is.na(Moldova_PUD$SV1_ONLY) | is.na(Moldova_PUD$SV2_ONLY) |
is.na(Moldova_PUD$SV3_ONLY) | is.na(Moldova_PUD$SV4_ONLY) | - NA_real_,
(is.na(Moldova_PUD$SV1 ONLY) | SV1_ONLY==2) & (is.na(Moldova_PUD$SV2 ONLY) |
SV2_ONLY==2) & (is.na(Moldova_PUD$SV3 ONLY) | SV3_ONLY==2) & (is.na(Moldova_PUD$SV4 ONLY) |
SV4_ONLY==2) ~ 2,
TRUE ~ 2
)
)
* STATA code for calculating childhood sexual violence indicator

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

```stata
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)*

```stata
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)*

```stata
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)*

```stata
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
```
#* Reported any unwanted attempted sex in the last 12 months (SV12MTH2)*
Moldova_PUD %<>%
mute(
    SV12MTH2 = case_when(
        Q701 >1 & (Q702 ==1 | Q709 ==1) ~ 1, #SV2FT12=SV2FT
        Q701>1 & (Q702==99 | is.na(Moldova_PUD$Q702) | Q702==98) &
        (Q709 ==99 | is.na(Moldova_PUD$Q709 ) | Q709 ==98) ~ NA_real_,
        Q701>1 & (Q702==2 | is.na(Moldova_PUD$Q702)) &
        (Q709 ==2 | is.na(Moldova_PUD$Q709 )) ~ 2,
        (Q700A!=1 & Q700B==2) | (Q700A !=1 & Q700A==2) ~ 2,
        TRUE ~ NA_real_
    )
)

#* Reported any physically forced sex in the last 12 months (SV12MTH3)*/
Moldova_PUD %<>%
mute(
    SV12MTH3 = case_when(
        Q801 >1 & (Q802 ==1 | Q810 ==1) ~ 1, #Q810=SV3FT
        Q801>1 & (Q802==99 | is.na(Moldova_PUD$Q802) | Q802==98) &
        (Q810 ==99 | is.na(Moldova_PUD$Q810 ) | Q810 ==98) ~ NA_real_,
        Q801>1 & (Q802==2 | is.na(Moldova_PUD$Q802)) &
        (Q810 ==2 | is.na(Moldova_PUD$Q810 )) ~ 2,
        (Q800A!=1 & Q800B==2) | (Q800B !=1 & Q800A==2) ~ 2,
        TRUE ~ NA_real_
    )
)

#* Reported any pressured sex in the last 12 months (SV12MTH4)*/
Moldova_PUD %<>%
mute(
    SV12MTH4 = case_when(
        Q901 >1 & (Q902 ==1 | Q909 ==1) ~ 1,
        Q901>1 & (Q902==99 | is.na(Moldova_PUD$Q902) | Q902==98) &
        (Q909 ==99 | is.na(Moldova_PUD$Q909 ) | Q909 ==98) ~ NA_real_,
        Q901>1 & (Q902==2 | is.na(Moldova_PUD$Q902)) &
        (Q909 ==2 | is.na(Moldova_PUD$Q909 )) ~ 2,
        (Q900A!=1 & Q900B==2) | (Q900B !=1 & Q900A==2) ~ 2,
        TRUE ~ NA_real_
    )
)

#* Reported any sexual abuse in the last 12 months (SV12MTH)*/
Moldova_PUD %<>%
mute(
    SV12MTH = case_when(
        SV12MTH1==1 | SV12MTH2==1 | SV12MTH3==1 | SV12MTH4==1 ~ 1,
    )
)
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