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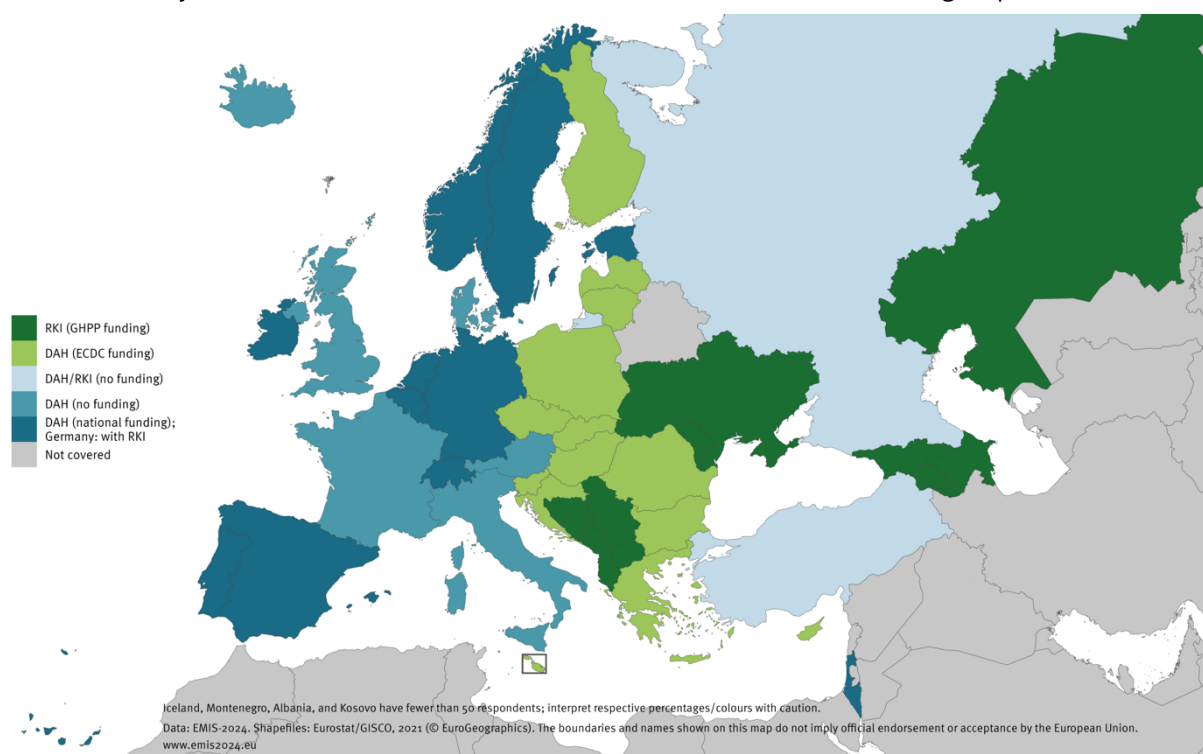
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# 1. Introduction

EMIS-2024 is a multi-language, internet based, self-completion survey for men-who-have-sex-with-men and trans persons living in the WHO Europe region. A modified repetition of the previous waves of EMIS in 2010 and 2017, EMIS-2024 was designed to indicate the levels and distributions of sexual health outcomes, risk and precaution behaviours, health promotion needs and the coverage/uptake of interventions. Data collection occurred from 22 December 2023 (in the eastern region of the target countries: until 30 June 2024), and from 04 March 2024 to 30 June 2024 (in the western region of the target countries).

In EMIS-2024 we cover 50 countries and 35 languages (ISO 639-1: *ar, az, bg, bs/hr/sr, cs, de, da, el, en, es, et, fi, fr, he, hu, hy, it, ka, kk, lt, lv, mk, mt, nl, no, pl, pt, ro, ru, sk, sl, sq, sv, tr, uk*). The questions were identical in each language. The 35 language versions can be downloaded [here](#). One of the key benefits of EMIS has been the possibility of completing the questionnaire in all the official languages of the European Economic Area (EEA). This is particularly important for countries with large proportions of migrants from Southern, Eastern, or South-eastern Europe.

Countries receiving national funding are shown in dark blue, while those in lighter shades of blue are included without funding, as their national languages are already covered. Countries co-funded by ECDC are highlighted in light green. Countries receiving funding from Germany's Global Health Protection Programme (GHPP) are highlighted in dark green. Previous EMIS rounds also included Belarus, as well as Lebanon, Canada, and the Philippines outside the WHO European Region. EMIS was coordinated by *Deutsche Aidshilfe* (DAH) and Robert Koch Institute (RKI), as illustrated in the following map.



The datasets available are national datasets (all men living in the same country, regardless of the language they completed the survey in) and multi-country datasets. Requests for access to data sets can be made to [coordinator@emis-project.eu](mailto:coordinator@emis-project.eu). This document describes the variables in the EMIS-2024 datasets. The datasets are supplied in CSV, R, STATA, or SPSS and, where possible, annotated with the survey questions (variable labels) and responses (value labels). Should these labels become detached from the data, this document can be used to reconstruct them. The survey questions have been numbered sequentially, and that number is the name of the variable (preceded by the letter Q).

## 2. Cases Submitted and Non-qualifiers

This section gives an overview of the number of cases submitted, the number excluded from the dataset because they did not meet the qualification criteria for the study, and the number of qualifying submissions in each country.

After data cleaning, the full dataset consists of 50,330 respondents, including 3,516 individuals with sex assigned at birth different from their reported gender identity (including non-binary gender identity), of which 2,658 (75.6%) identifying as part of the trans community.

For the four smallest countries, cases are included in the datasets of adjoining or surrounding countries:

- Andorra (9 cases) – included in the Spain dataset.
- Liechtenstein (4 cases) – included in the Switzerland dataset.
- Monaco (2 cases) – included in the France dataset.
- San Marino (0 cases) – in previous waves included in the Italy dataset

For the following countries, no national datasets can be provided due to too low participant numbers (fewer than 50 respondents):

- Albania (32 cases)
- Iceland (18 cases)
- Montenegro (22 cases)
- Kosovo\* (5 cases)

\*This designation is without prejudice to positions on status and is in line with UNSCR 1244/1999 and the International Court of Justice Opinion on the Kosovo declaration of independence.

A large proportion of respondents from Azerbaijan completed the survey in under 15 minutes, raising concerns about the quality of the data. To uphold data integrity, we implemented additional criteria, removing cases where respondents spent three seconds or less per question, resulting in removing 309 cases from the whole sample, and 206 cases from the dataset of Azerbaijan specifically.

### 3. Questionnaire Content: Conceptual Overview

The overall aim of EMIS is to generate data useful for the planning of HIV and STI prevention and care programmes and the monitoring of national progress in this area, by describing the level and distribution of HIV transmission risk and precautionary behaviours, related HIV prevention needs, and by assessing the coverage of interventions.

For the first time in the history of EMIS, this iteration of the survey also included an integrated sub-study with questions addressed specifically to trans individuals. This version of the Variable Manual includes all questions and responses, including the trans sub-study.

It is important to note that:

- EMIS-2024 focuses on sexually transmitted infections (including HIV) among MSM and trans persons and some aspects of their mental health – it is not a generic health and well-being survey.
- EMIS-2024 is intended to describe the level and distributions of already known health outcomes, risk and precaution behaviours, prevention needs and prevention interventions among MSM and trans persons. It is not attempting to test theories about the validity of, or relationship between these variables.

Highlighted in yellow and asterisked are items that are new for EMIS-2024.

Modifications of questions from 2017 to 2024 are indicated in *italic*.

Items for the trans community are highlighted in pink and marked with a ^.

Specific language modifications for the trans community are also highlighted in pink and are underlined and include “TransV” at the end of the name. For example: Q191G and Q191GTransV.

**Please note that the \* and the ^ are not part of the variable name.**

The following provides a conceptual framework of the content of the survey.

Questions are arranged in five groups (there was also a very small number of items related to survey administration):

- **Demographics:** descriptive things about people we are not trying to change
- **Morbidities:** health outcomes we are trying to change
- **Behaviours:** things that people do that cause (risks) or detract from (precautions) morbidities
- **Needs:** opportunities, capabilities, and motivations for risk and precaution behaviours
- **Interventions:** actions of others that meet or undermine needs

## DEMOGRAPHICS: DESCRIPTIVE THINGS ABOUT PEOPLE WE ARE NOT TRYING TO CHANGE

- Gender identity (Q004)
- Sex at birth (Q006)
- Age (Q007)
- Country living in (Q008)
- Region living in (Q010)
- Settlement size (Q011)
- Born in country living in (Q012)
- Country of birth (Q013)
- Length of residence (Q014)
- Reasons for migration (Q015–Q023)
- Education (Q400)
- Employment (Q401)
- Financial coping (Q402)
- Sexual attraction (Q025–Q028)
- Sexual identity (Q029)
- Outness (Q030)
- Current partnerships status (Q034)
- Number and genders of current steady partners (Q036–Q041)
- Male relationship HIV seroconcordancy (Q043)
- Female relationship HIV seroconcordancy (Q045)
- Non-binary relationship HIV seroconcordancy (Q047)
- Bought male sex (Q299)
- Times bought male sex previous 12m (Q300)
- Sold male sex recency (Q301)
- Times sold male sex previous 12m (Q302)
- Part of the trans community (Q443)^
- "Passing" (Q450)^
- Body parts (Q451)^

## MORBIDITIES: HEALTH OUTCOMES WE ARE TRYING TO CHANGE

### Mental Health

- PHQ4: anxiety/ depression (Q327–Q330)
- Suicidal ideation (Q331+Q331A\*)
- Sexual (un)happiness (Q033)
- CAGE4: alcohol dependency (Q376–Q379)

### Infections

- Ever diagnosed with HIV (Q057)
- Year diagnosed HIV positive (Q060)
- Diagnosed positive previous 12m (Q061)
- Last viral load test result (Q088)
- Syphilis last diagnosis recency (Q162+Q163)
- Gonorrhoea last diagnosis recency (Q165+Q166)
- Chlamydia last diagnosis recency (Q168+Q169)
- Warts first diagnosis recency (Q170+Q171)
- Hepatitis C first diagnosis recency (Q145+Q146)
- Times hepatitis C diagnosed (Q147)
- Current hepatitis C status (Q148)
- Current hepatitis B status (Q143)
- Ever diagnosed with Mpox (Q416)\*

## BEHAVIOURS: THINGS THAT PEOPLE DO THAT CAUSE (RISKS) OR DEDUCT FROM (PRECAUTIONS) MORBIDITIES

### First and Most Recent Sex with Men

- Homosex ever (Q172)
- Age first homosex (Q173)
- Ever male intercourse (Q175)
- Age first male intercourse (Q176)
- Receptive intercourse (Q455)\*

### Steady & Non-Steady Male Sex Partners, previous 12m

- Last sex with steady partner recency (Q174A)\*
- Last sex with non-steady partner recency (Q174B)\*
- Last steady male partner sex age (Q174C)\*

- Last non-steady male partner sex age (Q174D)\*
- Last intercourse steady male partner recency (Q177A)\*
- Last intercourse non-steady male partner recency (Q177B)\*
- Number non-steady male sex partners previous 12m (Q183)
- Number non-steady males intercourse partners previous 12m (Q184)
- Number non-steady male condomless intercourse partners previous 12m (Q185)

#### **Condom Use with Non-Steady Male Partners**

- Frequency of condom for non-steady intercourse previous 12m (Q186)
- Condomless intercourse with HIV positive non-steady (Q187)
- HIV detectability of HIV positive non-steady condomless intercourse partners (Q188)
- Condomless intercourse with HIV negative non-steady (Q189)
- PrEP of HIV negative non-steady condomless intercourse partners (Q190)
- Condomless intercourse with HIV unknown non-steady (Q191)

#### **Sex with Women**

- Female sex recency (Q303)
- Number female intercourse partners previous 12m (Q304)

#### **Sexual Practises with Non-Steady Male Partners (also used in EMIS-2010, but not 2017)**

- Last mutual masturbation recency (Q191A)\*
- Last receptive oral sex recency (Q191B)\*
- Last insertive oral sex recency (Q191C)\*
- Last insertive rimming recency (Q191D)\*
- Last receptive rimming recency (Q191E)\*
- Last insertive anal intercourse recency (Q191F)\*
- Last receptive anal intercourse recency (Q191G)\*
- Last recept. vaginal interc. recency (Q191GTransV)^
- Last insertive fisting recency (Q191H)\*
- Last receptive anal fisting recency (Q191I)\*
- Last receptive vaginal fisting recency (Q191J)^
- Sexual repertoire score (Q191\_SRS)\*

#### **Last Session with Non-Steady Male Partner**

- Last non-steady (Q192)
- Where sex (Q193+Q241)
- Where met (Q195+Q243-Q253)
- Sex before (Q196+Q254)
- HIV disclosure (Q197+Q255)
- PrEP disclosure (Q198+Q256)
- Viral load disclosure (Q199+Q257)
- Knowledge of partner HIV status (Q200+Q258)
- Partner viral load disclosure (Q201+Q260)
- Partner PrEP disclosure (Q202+Q259)

### **Drug Use**

- Alcohol recency (Q332)
- Tobacco recency (Q333)
- Poppers recency (Q334)
- Viagra recency (Q335)
- Sedatives recency (Q336)
- Illicit drug ever (Q337)
- Cannabis recency (Q338)
- Synthetic cannabinoids recency (Q339)
- Ecstasy pills recency (Q340)
- Speed recency (Q342)
- Crystal meth recency (Q343)
- Heroin recency (Q344)
- Mephedrone recency (Q345)
- Other synthetic stimulant recency (Q346)
- Alpha PhP recency (Q346A)\*
- GHB/GBL recency (Q347)
- Ketamine recency (Q348)
- LSD recency (Q349)
- Cocaine recency (Q350)
- Crack recency (Q351)

### **PEP (Post-Exposure Prophylaxis)**

- Ever taken PEP / before positive (Q097)

### **PrEP (Pre-Exposure Prophylaxis)**

- Tried to get PrEP (Q113)
- Ever taken PrEP (Q114)
- Year start taking PrEP (Q114A)\*
- Last PrEP recency (Q114B)\*
- Last involuntary interruption of PrEP (Q114C)\*

### **HIV Testing & Treatment**

- Ever received HIV test result (Q056)

## **NEEDS: OPPORTUNITIES, CAPABILITITES AND MOTIVATIONS FOR RISK AND PRECAUTION BEHAVIOURS**

### **Safer Sex**

- Sex safe as I want (Q031)
- Easy to say no to unwanted sex (Q032)
- HIV transmission knowledge (Q306–Q308)

### **PrEP (Pre-Exposure Prophylaxis)**

- Heard of PrEP (Q102)
- PrEP knowledge (Q103–Q105)
- PrEP knowledge (Q105A+Q105B)\*
- PrEP use intention (Q134)

### **HIV Testing & Treatment**

### **Injecting drugs**

- Inject steroids ever/12mth (Q352)
- Inject non-steroids ever/12mth (Q353)
- Times injected non-steroids previous 12m (Q354)
- What injected previous 12m (Q355–Q364)
- Injected used works recency (Q365)

### **Combining Sex and Drugs**

- Sober sex recency (Q366)
- Proportion sex non-sober (Q367)
- Chemsex recency (Q368)
- Multi-partner Chemsex recency (Q369)
- Last multi-partner Chemsex where (Q370)
- Years with multi-partner Chemsex (Q372)

### **DoxyPEP/ PrEP**

- DoxyPEP/DoxyPrEP use recency(Q410)\*

### **Drug Use**

- Drug use concerns (Q373)

- HIV test/treat knowledge (Q049–Q055)

- Knows where to get HIV test (Q059)

### **HIV prevention strategies**

- Frequent HIV prevention strategy (Q464)\*
- Trust U=U (Q465)\*
- Trust PrEP surfing (Q466)\*

## **Viral Hepatitis**

- Hepatitis A & B knowledge (Q135–Q139)
- Knows where to get Hep A *and/or* B vaccination (Q144)

## **STIs**

- STI transmission knowledge (Q310–Q312)
- HPV knowledge (Q171A–Q171D)\*
- Mpox knowledge (Q412–Q414)\*
- Knows someone diagnosed with Mpox (Q415)\*
- Knows where to get Mpox vaccine (Q418)\*
- Actions when Mpox cases increase in community (Q419–Q422)\*

## **All Health Related Behaviours**

- Internalised homonegativity (Q390\_Q396\_SIHS)
- Rejection transgender (Q454)^
- Internalised transnegativity (Q456\_Q462\_SITS)^

## **Homophobic Discrimination**

- Social (Q381–Q383)
- Healthcare (Q384–Q387)
- Law enforcement (Q388)

## **Transphobic Discrimination**

- Social (Q381TransV–Q383TransV)^
- Healthcare (Q384TransV–Q387TransV)^
- Law enforcement (Q388TransV)^

## **Gender-affirming hormones**

- Reason of not using gender-affirming hormones (Q446)^
- Future plan for gender-affirming hormones (Q447)^

## **Community scales**

- Sex subscale (Q423–Q428)\*
- Competition subscale (Q429–Q434)\*
- Exclusion subscale (Q435–Q441)\*
- Transgender Competition subscale (Q429TransV–Q434TransV)^
- Transgender Exclusion subscale (Q435TransV–Q441TransV)^

## **'INTERVENTIONS': ACTIONS OF OTHERS THAT MEET OR UNDERMINE NEEDS**

### **HIV/STI Education Services**

- Info about HIV/STI information recency (Q048)
- Info about HIV/STI information recency (Q048TransV)^
- Country-specific [Germany] HIV prevention campaign (Q442)\*

### **Condom Distribution**

- Sources of condoms previous 12m (Q314–Q323)

### **Vaccination**

- Hepatitis vaccinations (Q140, Q144)
- Hepatitis A vaccination (Q141)
- Hepatitis B vaccination (Q143, Q143A)
- HPV vaccination (Q171D\*)
- Mpox vaccination (Q417\*, Q418\*)

### **PrEP (Pre-Exposure Prophylaxis) Services**

- Ever spoken to by health service about PrEP (Q106)
- Who spoken to about PrEP (Q107–Q111)
- Spoke to healthcare professional before PrEP (Q115)
- Where PrEP pills from (Q123–Q132)

### **DoxyPEP/ PrEP**

- Source of DoxyPEP/DoxyPrEP (Q411)\*

### HIV Testing Services

- Ever been offered HIV test (Q058)
- **Forced/tricked into taking an HIV test (Q058A)\***
- Where diagnosed positive (Q062)
- Positive test support (Q063)
- Positive monitoring recency (Q064)
- Negative test recency (Q089)
- Where last neg test (Q090)
- Negative test support (Q091)
- **Preference for HIV testing (Q091A)\***
- **Reason preference HIV testing (Q091B)\***

### HIV Treatment

- Ever ART (Q065)
  - Treatment delay (Q066)
  - Current ART (Q078)
  - **Last time involuntary interruption of anti-HIV medication (Q078A)\***
- Viral suppression (Q088)

### Homophobic Abuse

- **Abuse scared recency (Q397A)\***
- Abuse intimidation not asked anymore
- Abuse verbal harassment recency (Q398A)  
(slightly different wording)
- Abuse physical violence recency (Q399)
- **Abuse blackmail recency (Q399A)\***
- **Abuse sexual violence recency (Q399B)\***

### Drug Services

- Drug, professional support recency (Q374)
- Drug, self-help recency (Q375)
- Alcohol, professional support recency (Q380)

### SURVEY ADMINISTRATION ITEMS

- Consent understood (Q001)
- Exit pages (Q005, Q009)

### STI Testing Services

- Any STI test recency (Q145A + Q149+Q150)
- Symptomatic at last STI test (Q151)
- Homosex disclosure at last STI test (Q152)
- **Reason for gonorrhoea test (Q166A)\***
- Syphilis or gonorrhoea diagnosis partner notification (Q167)
- **Reason for syphilis test (Q169A)\***
- Blood test previous 12m (Q154; question lost)
- Urine test previous 12m (Q155; question lost)
- Urethral swab previous 12m (Q156)
- Penis examination previous 12m (Q157)
- Vaginal swab previous 12m (Q158)
- Vagina examination previous 12m (Q159)
- Anal swab previous 12m (Q160)
- Anus examination previous 12m (Q161)

### Transphobic Abuse

- **Abuse scared recency (Q397ATransV)^**
- **Abuse verbal harassment recency (Q398ATransV)^**
- **Abuse physical violence recency (Q399TransV)^**
- **Abuse blackmail recency (Q399ATransV)^**
- **Abuse sexual violence recency (Q399BTransV)^**

### Gender-affirming hormones

- **Use of gender-affirming hormones (Q444)^**
- **Start of gender-affirming hormones (Q445)^**
- **Monitoring of gender-affirming hormones (Q448)^**
- **Source of gender-affirming hormones (Q449)^**

### WRITE-IN QUESTION

Sexiest man (Q409/Q409\_recoded)

## 4. Corrections, Technical Errors and Missing Data

### 4.1 Corrections

**Instructions.** A new instruction was added to the survey: "You need to click 'yes' twice if you want to participate" translated in all languages.

#### Headings

"About sex with men" appeared twice; the second occurrence was changed to "About intercourse." The heading "About sex with STEADY partners" and "About intercourse with STEADY partners" was missing and was corrected on the 23rd of February in the English version in all active surveys at that given time.

#### Country-Specific Updates

- Netherlands: Corrected Dutch headings.
- Russia: Updated Russian and English headings.
- Spain: Corrected Spanish headings.

#### PrEP information updates

The note on PrEP use ("*Please note: Taking PrEP just before and after sex has been shown to be protective in anal but not in vaginal intercourse*") was updated for Dutch and German.

Question Q105 ("If someone knows in advance when they will have sex, PrEP needs to be taken as a double dose approximately 2 to 24 hours before sex and then at both 24 and 48 hours after the double dose.") "**2 to 24 hours**" was missing and was added in late April for the following language versions:

- Bosnian-Croatian-Montenegrin-Serbian (BCMS)
- Danish
- Dutch (added in March)
- Estonian
- Hebrew
- Italian
- Latvian
- Portuguese
- Romanian

#### 4.1.1 Arabic language version

In question Q367 ("In the last 12 months, how much of the sex you've had with men has been under the influence of alcohol or any other drug?"), only one response option was available initially. This was corrected in June 2024. 69 respondents completed the survey in Arabic, and 15 did so after this correction.

#### 4.1.2 Armenian language version

Incorrect use of words and missing letters in several responses were spotted at a late stage.

Recency questions were mistranslated, using "hours" instead of "days" and using "weeks" instead of "days", in some questions "within the last 7 days" was before "within the last 24 hours".

9 participants completed the survey in Armenian.

#### 4.1.3 Italian language version

The title for PrEP was incorrectly labeled "post-exposure" and has been corrected.

For question Q399A ("Have you ever been blackmailed by someone because they knew or presumed you are attracted to men"), blackmail was translated as insulted/harassed resulting in a missing question.

Safer Sex definition was incomplete and have been updated.

For questions Q390–Q396 "How comfortable are you with your homosexuality," number markers were missing, resulting in an "NA" display error.

*e.g., 1 Molto in disaccordo, NA, NA, 4 Indecis\*, NA, NA, 7 Molto d'accordo, Non si applica al mio caso*

#### 4.1.4 Spanish language version

In the trans version of Q191AG question ("When did you last have 'passive' vaginal intercourse [you were fucked by a man], either with or without a condom?" / "¿Cuándo fue la última vez que practicaste la penetración vaginal "pasiva" [fuiste follada por un hombre], con o sin condón?") the term "follada" was misspelled and corrected to "follado/a/e" in April.

#### 4.1.5 Turkish language version

The translation for Q006 regarding "sex assigned at birth" was incorrect, and there were also terminological inaccuracies, particularly in the definition of U=U. Additionally, errors in the translation of "non-steady partners" were identified and corrected in February 2024.

### 4.2 Technical Errors

Andorra was excluded as an eligible country until early April.

A display rules error affecting questions Q192, Q193, and Q202 (last non-steady partner) was detected and corrected in February.

Due to a routing error affecting Q167 (partner notification), this question was only displayed to participants who were diagnosed with gonorrhoea in the previous 12 months but not to those with syphilis. For unknown reasons, questions Q154 (provision of blood sample at last STI test) and Q155 (provision of urine sample at last STI test) were not displayed at all.

Due to filtering errors, Q134 (PrEP use intention) was not correctly displayed and is hence not included in the data.

### 4.3 Missing Data

Contrary to EMIS-2017, PEP and PrEP use questions were only served to participants not diagnosed with HIV. We cannot report how many participants diagnosed with HIV ever took PEP or PrEP.

Q177A, Q174B, Q1745D, Q183, as well as Q299 to Q302, were filtered for people who are sexually attracted to men (Q025=2), thus these questions were not presented to e.g. male sex workers who identify as heterosexual.

Q303 was filtered for people who are sexually attracted to women (Q026=2). We recoded this as "NEVER" for all others, acknowledging that this is a strong assumption.

Q442 (respondents residing in Germany only) was not displayed to respondents identifying as "women" or "non-binary" (Q004), or with a heterosexual identity (Q029=3).

## 5. Inconsistent Data and Data cleaning

### 5.1 Inconsistent Data

Logically inconsistent data are answers to two questions that cannot both be valid.

Cases with inconsistent data on key variables can be excluded from the dataset to increase the quality of the data. Cases with inconsistent data will be excluded from multi-country analyses and it is recommended to do the same with national data sets wherever possible.

A large proportion of respondents from Azerbaijan completed the survey in under 15 minutes, raising concerns about the quality of the data. To uphold data integrity, we implemented additional criteria, removing cases where respondents spent three seconds or less per question, resulting in removing 309 cases from the whole sample, and 206 cases from the dataset of Azerbaijan specifically.

The following sections describe the number of cases with specific inconsistencies.

In EMIS-2024 overall, 5,496 cases (9.8% of cases) had discrepant data in one or more of the conditions below. The EMIS-2024 data we provide do not include cases with major discrepancies (“D\_”): age discrepancies, 61; non-steady partner discrepancies, 5,345; trans discrepancies, 111.

The dataset may contain the variable (“D\_ anydiscrepant=1”) which distinguishes those cases that contain the inconsistent data described above.

We also established a variable “D\_education\_discrepant”, to highlight responses where the time spent in full-time education after age 16 is implausibly long. However, as the question seemed somewhat difficult to understand in some of the languages newly used in 2024, these responses remained in the data. We suggest to exclude these responses or recode them to the maximum plausible time when “education” is an important outcome or control variable.

### 5.2 Data cleaning

Partially completed surveys (moving away from the web page before pressing ‘submit’ at the end of the survey) were captured and included in the final dataset after 30 days upon completion if at least 95% of the questions were answered by the participant. In the data cleaning process, we applied a four-step procedure.

**Step 1** involved filtering missing data.

- filtering respondents with progress less than 95% of the entire survey;
- identifying double entries and removing them from the dataset;
- removing participants who did not give consent;
- removing rows that contain missing data [that were required to fill in columns Q004 (gender identity), Q006 (sex assigned at birth), or Q007 (age)]

**Step 2** involved the exclusion of non-eligible respondents:

- Cis women
- People not living in the designated countries
- Men, trans or non-binary individuals who do not have experience with or desire for having sex with men
- Individuals less than 16 years of age (less than 17 in Ireland and Cyprus, and less than 18 in Türkiye)

**Step 3**, exclusion of respondents with highly discrepant answers (e.g., participants that were 30 years old or younger that reported retirement in their occupation; with their current age not matching their first time when they had sex/intercourse, or the number of years they had been living in their country of residence, or the number of years since an HIV diagnosis, or their age at first sex with a man, or their age at first intercourse; they reported fewer non-steady partners than intercourse partners or condomless intercourse partners, or indicated that they had at least one non-steady condomless intercourse partner while also saying that they always used condoms during intercourse, and people who selected their gender different from their sex assigned at birth but do not identify as part of the transgender community, e.g., indicated “Man” as their gender identity, “Female” as sex

assigned at birth but “No” as being part of the trans\* community; all participants who selected “non-binary” as their gender identity were included regardless of their sex assigned at birth.

**Step 4** involved controlling for the duration of responses in seconds to identify too short response times that might suggest disingenuous data. Two additional variables were generated to identify responses with less than 3 seconds of response time, and three additional response time bands (see Section 6). Answers with less than 3 seconds of response time were removed from the dataset. We calculated these variables by the total number of responses each participant provided and divided it by the total time they took to complete the survey.

## 6. Standard Response Sets, Multiple-choice Questions, Definitions

**Unless labelled otherwise:**

**0 (numeric zero) means question was asked but not answered.**

**-1 (minus one) means the question was not asked (because it was not applicable).**

### 6.1 Standard Response Sets

Many questions share the same set of response options. The five most common response sets are given below. In Section 6 they are indicated under the relevant questions by their name (e.g., 'knowledge response set').

#### **'No-Yes' response set**

1=No

2=Yes

#### **'5 point Disagree-agree' response set**

1=Strongly disagree

2=Disagree

3=Neither / not sure

4=Agree

5=Strongly agree

#### **'7 point Disagree-agree with does-not-apply' response set**

1=1 Strongly disagree

2=2

3=3

4=4 Undecided

5=5

6=6

7=7 Strongly agree

8=8 Does not apply

#### **'Recency1 scale' response set**

Note: The recency scale was served on-screen with 'Never' as the first option.

Note: When respondents had already indicated they done something, the recency scale was served without the 'Never' option.

1=Within the last 24 hours

2=Within the last 7 days

3=Within the last 4 weeks

4=Within the last 6 months

5=Within the last 12 months

6=Within the last 5 years

7=More than 5 years ago

8=Never

#### **'Knowledge' response set**

1=I knew this already

2=I wasn't sure about this

3=I didn't know this already

4=I don't understand this

5=I do not believe this

## 6.2 Multiple Response Questions

The survey contained 11 questions with multiple responses (*i.e.*, "Tick as many as apply").

Each response option generates a No/Yes variable.

The denominator is the participants who were asked the question.

Q015–Q023. Why did you come to <country living in>?

Denominator is men not born in the country they live in (see notes on Q012).

Q025–Q028. Who are you sexually attracted to?

Denominator is all respondents.

Q449. Where have you got your gender-affirming hormones from?

Denominator is those who identify as part of the trans community and are currently taking gender-affirming hormones.

Responses differ based on sex assigned at birth. 1) assigned male at birth or 2) assigned female at birth

Q451. So that we can ask you appropriate questions about your sexual life, and because people's bodies differ, please let us know if you have...

Responses differ based on sex assigned at birth. 1) assigned male at birth or 2) assigned female at birth

Q036–Q041. Are you currently in a steady relationship with...? [gender and number]

Denominator is those with a current steady partner.

Q091B. What are the main reasons for your previous choice regarding HIV testing?

Denominator those who have not being diagnosed with HIV.

Q107–Q111. Which health services has spoken to you about PrEP?

Denominator is those who have personally discussed PrEP with a health service in their country of residence.

Additional option was added for trans individuals.

Q123–Q132. Where have you got your PrEP pills from?

Denominator is men who have ever used PrEP.

Q411. Where did you get your antibiotics from?

Denominator those who have been taken antibiotics in the previous 12 months.

Q243–Q253. Where did you first meet them [multi-non-steady]?

Denominator is men who had a non-steady sexual partner in previous 12 months AND whose last non-steady sexual session was with 2+ non-steady partners.

Q314–323. Where did you get condoms from in the last 12 months?

Denominator is all.

Q355–Q364. Which drugs have you injected or had injected into you in the last 12 months?

Denominator is all.

## 6.3 Definitions Used in the Survey

### **SEX**

In this survey, we use "sex" to mean physical contact to orgasm (or close to orgasm) for one or both partners.

### **NON-STEADY PARTNER**

In this survey we use the term 'non-steady male partners' to mean men you have had sex with once only, and men you have sex with more than once but who you don't think of as a steady partner (including one night stands, anonymous and casual partners, regular sex buddies).

### **INTERCOURSE**

In order to use the same definition of 'intercourse' for both penile-anal and penile-vaginal sex, the definition served in EMIS-2017 was:

In this survey we use the term "intercourse" (fucking, screwing) to mean sex where one partner puts their penis into the other partner's anus or vagina, whether or not this occurs to ejaculation. "Intercourse" does not include oral sex or the use of dildos.

In EMIS-2024, this definition of the term "intercourse" was preserved.

### **U=U**

Over the past decade, the definition of *Safer Sex* has experienced significant changes. Previously, *Safer Sex* primarily revolved around the consistent use of condoms during intercourse. However, our understanding has evolved, and we now recognize that individuals with an undetectable HIV viral load cannot transmit HIV through sexual contact (known as "U=U"), and the use of PrEP before and after sex can effectively prevent HIV infection.

### **PEP**

HIV Post-exposure prophylaxis (PEP) attempts to stop HIV infection taking place after a person is exposed to the virus, for example by having intercourse without a condom. HIV-PEP is usually prescribed as a one-month course of anti-HIV drugs.

### **HEPATITIS C**

While there is currently no vaccine available for hepatitis C, the good news is that most infections can be fully cured with daily medication taken over a period of 8 to 12 weeks. The majority of infections result from exposure to blood due to unsafe injection practices or due to sexual activities that can lead to blood exposure.

It is recommended that individuals who engage in these practices undergo testing for hepatitis C.

### **HIV CURE**

There is currently no cure for HIV infection (aside from a handful of people who appear to have been cured in the course of treatment for a specific rare type of cancer).

## 7. Case Variables

At the top of the dataset there are a number of Variables (prefixed "A\_" for "admin") about recruitment and survey completion

Name	Description
<b>Recruitment</b>	
A_Source_short2	RECODED VARIABLE. Source code further collapsed into the following 6 categories. 1=Romeo (central) 2=Grindr and Grindr for Equality (central) 3=Hornet (central) 4=Other central 5=Facebook, Twitter, Instagram (local) [Not used in EMIS-2024] 6=Other local
A_Source_bin	Was recruitment organized by centrally EMIS core team (multi-country apps) or locally in single countries by EMIS Network partners (banners, Facebook, Twitter, Instagram, mailing lists, Softstarts) 0=Unclear 1=Central 2=Local
<b>Survey completion</b>	
A_Serial	A unique number for each case, allocated as the data entered the merged dataset.
A_Saved	Date and time (Greenwich Mean Time) of data submission (Date format).
A_Date	The date (in the UK) on which the data was submitted (String format).
A_Year	Year of EMIS. The trend data has a similar variable with values of "0" for 2010, and "7" for 2017
A_Language	The language the respondent chose to participate in.
A_Duration	The number of minutes the respondent had the survey open
A_Duration_per_question_in_sec	Duration of completing the question in seconds
A_Response_Time_groups	Grouping responses according to time brackets: ≤3 sec; >3 sec and <6 sec; ≥6 sec and ≤12 sec; >12 sec.
A_Progress	Overall progress of respondent
A_DistributionChannel	Channel they use to complete the survey

## 8. The Questionnaire

This section contains the complete text of the English language version of the EMIS-2017 questionnaire, including the introductory text, exit texts, and page headings (the latter in **BOLD CAPITALS**).

Questions have been numbered sequentially (preceded by 'Q') and did not appear on screen.

A condition before a question (e.g., If Q005=1) specifies if a question was served and relates only to that question. For questions with a matrix table format, the conditions can be found next to each individual question within the table.

Conditions and notes in square brackets [ ] did not appear on-screen.

Words in chevrons < > refer to the answer to a previous question.

**Highlighted in yellow and asterisked** are items that are new for EMIS-2024.

Modifications of questions from 2017 to 2024 are indicated in *italic*.

Items for the trans community are **highlighted in pink and marked with a ^**.

Specific language modifications for the trans community are also **highlighted in pink and are underlined**, and include "TransV" at the end of the name. For example: Q191G and Q191GTransV.

***Commonly used response sets appear in square brackets and are given in Section 6.1***

[INTRODUCTORY TEXT]

## **EMIS: European Men-who-have-sex-with-men and trans people Internet Survey 2024**

### **Welcome to EMIS, the largest ever survey of men who are attracted to men.**

This wave of EMIS has been expanded, unlike EMIS-2017, to invite transgender women and non-binary people who feel sexually attracted to men to take part in the survey.

Please take part if you are a man (cis or trans), a trans woman or a non-binary person...

- who has sex with men
- who is attracted to men
- who thinks they might have sex with men in the future

#### **Purpose:**

The sexual and mental health of men who have sex with men, and trans individuals is in need for large-scale monitoring: HIV and other sexually transmitted infections are still posing a considerable health risk. This is the 3rd wave after 2010 and 2017 and is investigating needs and determinants for different domains of health, as well as access to healthcare. If you want to learn more about the study, you can visit our webpage: [www.emis-project.eu](http://www.emis-project.eu)

#### **Participant selection:**

You are invited to take part in this study because you are an adult (*i.e.*, you are 16 of age or older; unless you live in Cyprus or Ireland where you need to be at least 17, or in Türkiye where you need to be at least 18; and can provide informed consent).

#### **Voluntary participation and time to decide:**

This letter gives information to enable you to decide on participation or not. Take your time to read it carefully and consider completely voluntary participation. You have the right to withdraw from the study at any time, without any negative consequences.

#### **Procedure:**

As a participant, you will fill in a set of questions on a number of topics related to sociodemographic information, sexual health, sexual and drug use behaviour, general healthcare access experiences and preferences, and your view on a number of STI and HIV prevention methods. The total duration will be approximately 30 minutes.

#### **Risks and Discomforts:**

There are no risks or discomforts associated with participation in this study. Please be informed that you will be asked detailed questions about your sexual life.

#### **Benefits:**

There are no direct individual benefits or rewards for participating in this study, but you are contributing to important research that will have a direct influence on improving HIV prevention measures in countries included in this survey.

**Privacy:**

No Personal Data will be stored.

Research Data can be published and re-used in other research, but only in such a way that cannot be traced back to you.

This concerns the following data:

- Lifestyle information (e.g., smoking, alcohol use, sex life)
- Physical characteristics (e.g., sexual health)
- Psychological characteristics (e.g., personality traits, feelings of depression)
- Demographic characteristics (e.g., age, gender, ethnicity, income, employment status)
- Personal relations (e.g., number of sex partners, relationship status)
- Health-related data (e.g., (history of) HIV diagnosis, HIV prevention measures and HIV care)
- Type of research data (e.g., survey data).

**Please complete this survey ONCE ONLY this year.**

**Please answer the following two questions if you wish to take part.**

**Q001.** *I have read the information letter about the study and the use of my data.*

*I have had the opportunity to ask questions via email to the responsible researcher, the ethics committee and/or the privacy officer. I have been able to think about my participation.*

*You need to click "yes" twice if you want to participate.*

*1=Yes, I am 16/18 years or older and I agree to participate in the study.*

*2=Yes, I agree that the data as described in the information letter will be collected from me and used for research purposes.*

*3=No, I do not agree and do not want to participate.*

[If Q001!=1, Exit Page]

Unfortunately, you must be old enough to legally have sex with men in the country you live in to take part in this survey. Thank you for your interest in EMIS, first results will be available in mid-2024. You can get more information at [www.emis-project.eu](http://www.emis-project.eu)

[If Q001=3, Exit Page]

[If Q001!=2, Exit]

You must confirm you have read and understood the information on the preceding page to take part in this survey. Please return to the previous page to do this. Otherwise, thank you for your interest in EMIS, the results will be available across Europe in 2024. You can get more information at [www.emis-project.eu](http://www.emis-project.eu).

**FIRSTLY...**

**Q004.** What is your current gender identity? [Compulsory question]

- 1=Man
- 3=Woman
- 5=Non-binary

**Q006.** What sex were you assigned at birth? [Compulsory question; introduced in EMIS-2017]

- 1=Male
- 2=Female

**Q004\_transgroups. DERIVED VARIABLE.** Trans groups based on gender identity and sex assigned at birth.

- 1=Cisgender
- 1=Trans Men
- 2=Trans Women
- 3=Non-binary AFAB
- 4=Non-binary AMAB

**Q029\_Q006. DERIVED VARIABLE.** Categorising cisgender men based on sexual identity and trans groups based on gender identity and sex assigned at birth.

- 1=Cis gbMSM
- 2=Cis non-gb MSM
- 3=Trans Men
- 4=Trans Women
- 5=Non-binary AFAB
- 6=Non-binary AMAB

[If Q004=1 & Q006=2 | Q004=3 & Q006=1 | Q004=5; *i.e.*, only shown to trans men, trans women, and non-binary people]

**Q443.** You have selected that your gender differs from your sex assigned at birth: Do you identify as part of the transgender community?

- 1=No
- 2=Yes
- 3=I don't know

[If Q004=3 & Q006=2; *i.e.*, only shown to cis women]

**Q005.** This survey is for people who identify as men (cis and trans) or as trans women or non-binary persons. If you identify as something else, you are very welcome to read and complete the rest of the survey however we will be unable to use your data. What would you like to do?

- 1=Exit the survey
- 2=Continue filling in the survey

[If Q005=1, Exit page]

Thank you for your interest in EMIS, the results will be available across Europe in 2024. You can get more information at [www.emis-project.eu](http://www.emis-project.eu)

**Q007 / age.** How old are you? [Compulsory; RECODED; [drop down in years]].

Due to its centrality / for convenience re-labelled to "age" in some datasets.

- age\_5 (1=less than 20; 2=20-24; ...; 10=60-65; 11=65+)
- age\_esc (1=underage; 2=18-19; 3=20-24; 4=25-29; 5=30-39; 6=40+)
- age\_low (1=underage; 2=18-19; 3=20-29; 3=30-39; ...; 8=70+)
- age\_quar (1=less than 25; 2=25-39; 3=40+) [broadly represents quartiles/IQR in EMIS-2010]
- age\_quar2 (1=16-30; 2=30-39; 3=40-49; 4=50+) [broadly represents quartiles in EMIS-2024]

## ABOUT WHERE YOU LIVE

**Q008.** Which country do you currently live in? [Compulsory question]

[see [Section 10](#) for Country Response Set]

**Q008\_TLD. RECODED VARIABLE** – Uses internet top level domains (“TLDs”) for convenience. It is adjusted for microstates (AD with Spain, LI with Switzerland, MC with France, SM with Italy) and thus includes 46 of the 50 surveyed countries.

**Q008\_group1. RECODED VARIABLE.** Political/economic groupings of countries.

- 1=EEA
- 2=Non-EEA advanced economies
- 3=Western Balkans and Türkiye
- 4=Eastern Europe and Central Asia

**Q008\_group2. RECODED VARIABLE.** Sub-regions of Europe as used in EMIS-2010 but switched Malta and Greece (<https://www.emis-project.eu/emis-2010>)

- 1=West Europe (BE, FR, IE, MC, NL, UK)
- 2=Northwest Europe (DK, FI, IS, NO, SE)
- 3=Central-West Europe (AT, CH, DE, LI, LU)
- 4=Southwest Europe (AD, ES, IT, MT, PT, SM)
- 5=Northeast Europe (EE, LT, LV)
- 6=Central-East Europe (CZ, HU, PL, SI, SK)
- 7=Southeast Europe (AL, BA, BG, CY, GR, HR, ME, MK, RO, RS, TK, XK)
- 8=East Europe (AM, AZ, [BY], GE, KZ, MD, RU, UA)
- 9=Middle East (IL, [LB])

**Q008\_group3. RECODED VARIABLE.** Sub-regions of Europe according to EuroVoc (<https://en.wikipedia.org/wiki/Eurovoc>)

- 1=Northern Europe
- 2=Western Europe
- 3=Southern Europe
- 4=Central and Eastern Europe
- 5=Israel

**Q008\_expat. DERIVED VARIABLE.** Living in one of the 50 EMIS countries but not in the EMIS country of birth.

**Q008\_Language\_minority. DERIVED VARIABLE.** National minority based on survey language / country of residence

[If Q008 is not a qualifying country]

**Q009.** Unfortunately, this survey is not collecting data from the country you live in. You are very welcome to read and complete the rest of the survey, however we will be unable to use your data. What would you like to do?

- 1=Exit the survey
- 2=Continue filling in the survey

[If Q009=1, Exit page] Thank you for your interest in EMIS, first results will be available in ....

**Q010.** Which [region etc.] do you live in?

[see [Section 11](#), Region Response Sets]

[If Q008=187; *i.e.*, only shown to people residing in Ukraine]

**\*Q010rrA.** Have you moved to another region since the start of the Russian invasion in Ukraine in February 2022?

1=No

2=Yes, transiently (back home now)

3=Yes, still ongoing

[If Q008=187 & Q010rrA=2; *i.e.*, only shown to people residing in Ukraine]

**\*Q010rrB.** Which region did you move to?

[see [Section 11](#), Region Response Sets, Ukraine]

[If Q008=187 & Q010rrA=3; *i.e.*, only shown to people residing in Ukraine]

**\*Q010rrC.** Which region did you live in at the start of the Russian invasion?

[see [Section 11](#), Region Response Sets, Ukraine]

**Q011.** How would you describe the place you live in?

- 1=A very big city or town (a million or more people)
- 2=A big city or town (500,000–999,999 people)
- 3=A medium-sized city or town (100,000–499,999 people)
- 4=A small city or town (10,000–99,999 people)
- 5=A village / the countryside (less than 10,000 people)

**Q011\_city. DERIVED VARIABLE.** City of residence. Combines responses from Q010 and Q011.

-2=Other settlements (< 500,000)	37=Moscow	77=Hanover
-1=Other settlements (500,000+)	38=Munich	78=Izmir
1=Amsterdam	39=Nicosia	79=Krasnodar
2=Athens	40=Oslo	80=Leeds
3=Barcelona	41=Paris	81=Lille
4=Beirut	42=Prague	82=Liverpool
5=Belgrade	43=Riga	83=Łódź
6=Berlin	44=Rome	84=Marseille
7=Bologna	45=Sofia	85=Montpellier
8=Bordeaux	46=St.Petersburg	86=Nantes
9=Bratislava	47=Stockholm	87=Naples
10=Brighton	48=Tallinn	88=Nice
11=Brussels	49=Tel Aviv	89=Nuremberg
12=Bucharest	50=Thessaloniki	90=Novosibirsk
13=Budapest	51=Toronto	91=Ottawa–Gatineau
14=Chisinau	52=Turin	92=Palermo
15=Cologne	53=Valencia	93=Porto
16=Copenhagen	54=Valletta	94=Poznań
17=Dublin	55=Vancouver	95=Rotterdam
18=Frankfurt	56=Vienna	96=Ruhr Region
19=Geneva-Lausanne	57=Vilnius	97=Seville & Málaga
20=Gothenburg	58=Warsaw	98=Samara
21=Hamburg	59=Zagreb	99=Strasbourg
22=Helsinki	60=Zurich	100=Stuttgart
23=Istanbul	61=Ankara	101=Toulouse
24=Kiev	62=Antwerp	102=Winnipeg
25=Kraków	63=Birmingham	103=Wrocław
26=Leipzig	64=Bremen	104=Yekaterinburg
27=Lisbon	65=Bristol	105=Zaragoza
28=Ljubljana	66=Calgary	106=Almaty
29=London	67=Cardiff	107=Astana
30=Lyon	68=Den Haag	108=Baku
31=Madrid	69=Dresden	109=Sumgait
32=Manchester	70=Düsseldorf	110=Ganja
33=Manila	71=Edinburgh	111=Tbilisi
34=Milan	72=Edmonton	112=Yerevan
35=Minsk	73=Florence	113=Dnipro
36=Montreal	74=Gdańsk	114=Lviv
	75=Genoa	115=Kharkiv
	76=Glasgow	

## YOUR COUNTRY OF BIRTH

**Q012.** Were you born in <Q008>?

1=No, 2=Yes

**Q012.** DERIVED VARIABLE. Respondents born in countries that have ceased to exist (eg. Soviet Union, German Democratic Republic, Yugoslavia) who indicated 'No' at Q012 and at Q013 indicated the same country as they were currently living in, have this modified variable set to Yes. Men born in one of the four parts of the UK (Scotland, Wales, Northern Ireland, England) and now living in another also have Q12\_modified set to Yes. [EMIS-2017 used Q012\_modified for this modification. In EMIS-2024, we applied this recode directly to Q012; thus when comparing with previous EMIS datasets, please recode this question to "Q012\_modified"]

[If Q012=1; *i.e.*, only shown to people not born in country of residence]

**Q013.** Which country were you born in? (If it does not exist anymore, please select the country that best applies.)

[see [Section 10](#) for Country Response Set]

**Q013\_continent.** RECODED VARIABLE. Country of birth grouped by continent.

0=Not answered

1=Europe

2=European overseas territories; Armenia, Azerbaijan, Cyprus, Georgia, Kazakhstan, Türkiye, and Israel

3=North America (and Caribbean)

4=South America

5=Africa

6=Asia

7=Australia & Oceania

**Q013\_RegionOrigin.** RECODED VARIABLE. Country of birth grouped by WHO region.

-1=Born in country of residence

0=Not answered

1=West Europe (BE, FR, IE, MC, NL, UK)

2=Northwest Europe (DK, FI, IS, NO, SE)

3=Central-West Europe (AT, CH, DE, LI, LU)

4=Southwest Europe (AD, ES, IT, MT, PT, SM)

5=Northeast Europe (EE, LT, LV)

6=Central-East Europe (CZ, HU, PL, SI, SK)

7=Southeast Europe (AL, BA, BG, CY, GR, HR, ME, MK, RO, RS, TK, XK)

8=East Europe (AM, AZ, [BY], GE, KZ, MD, RU, UA)

9=Middle East (IL, [LB])

10=WHO Region of the Americas: Canada, USA

11=WHO Region of the Americas: Latin America & Caribbean

12=WHO Eastern Mediterranean Region (incl. Algeria)

13=WHO African Region (excl. Algeria)

14=WHO South East Asia Region

15=WHO Western Pacific Region: Australia & New Zealand

16=WHO Western Pacific Region (excl. Australia & New Zealand)

[If Q012=1; *i.e.*, only shown to people not born in country of residence]

**Q014.** How many years have you been living in <Q008>?

1=Less than 1 year

2=1

3=2

[...]

81=80

[If Q012=1; *i.e.*, only shown to people not born in country of residence]

**Q015–Q023.** Why did you come to <Q008>? (Tick as many as apply) [Introduced in EMIS-2017]

- Q015.** I was brought as a child
- Q016.** To study
- Q017.** To work
- Q018.** To be with a partner
- Q019.** To live more openly as gay/bisexual/trans/queer
- Q020.** To seek asylum
- Q021.** I came as a refugee
- Q022.** I was brought against my will
- Q023.** Other answer

#### **YOUR SEXUALITY**

**Q025–Q028.** Who are you sexually attracted to? (Tick as many as apply)

- Q025.** Men
- Q026.** Women
- Q027.** Non-binary people
- Q028.** I'm not attracted to anyone

**Q025\_Q028.** DERIVED VARIABLE. Who are you sexually attracted to (composite). Combines responses to Q025 to Q028 into 8 categories.

- 1=Men only
- 2=Women only
- 3=Non-binary people only
- 4=Men & women only
- 5=Men & non-binary people only
- 6=Women & non-binary people only
- 7=Men, women & non-binary people
- 8=No one

**Q029.** Which of the following options best describes how you think of yourself with respect to your sexuality?

- 1=Gay or homosexual [If Q004=1; *i.e.*, men]; "Lesbian" [If Q004=3 & Q006=1, *i.e.* trans women]; "Gay/Lesbian" [If Q004=5, *i.e.* non-binary people]
- 2=Bisexual
- 3=Straight or heterosexual
- 4=Any other term
- 5=I don't usually use a term

[If Q025=2; *i.e.*, only shown to people sexually attracted to men]

**Q030.** Thinking about all the people who know you (including family, friends and work or study colleagues), what proportion know that you are attracted to men?

- 1=All or almost all
- 2=More than half
- 3=Less than half
- 4=Few
- 5=None

## HOW YOU FEEL ABOUT YOUR SEX LIFE

**Q031–032.** Do you disagree or agree with the following statements?

**Q031.** The sex I have is always as safe as I want it to be.

[5 point disagree–agree]

**Q032.** I find it easy to say ‘no’ to sex I don’t want.

[5 point disagree–agree]

**Q033.** On a scale of 1 to 10 (where 1 is the most unhappy and 10 is the most happy), how happy are you with your sex life? [EMIS-2010 asked this with a binary option]

1=1 (most unhappy)

[...]

10=10 (most happy)

## SECTION OF QUESTIONS SPECIFICALLY FOR TRANS PERSONS

[Note: Page headings were not displayed on screen]

Section filter: [If Q004=1 & Q006=2 | Q004=3 & Q006=1 | Q004=5 AND Q443=2; i.e., only shown to trans men, trans women, and non-binary people who identify as part of the trans community]

**^Q444.** Are you currently taking gender-affirming hormones?

1=No

2=Yes

3=I was, but not anymore

[If Q444=2]

**^Q445.** When did you start gender-affirming hormones?

[Recency scale]

[If Q444=3]

**^Q446.** Why are you not on gender-affirming hormones anymore?

1=They are currently not available in the country I live in

2=They are not covered by insurance / too expensive

3=I had to stop them for medical reasons

4=I was forced to stop them (for non-medical reasons, e.g., by my family)

5=I decided to stop them

6=Other reasons

[If Q444=1]

**^Q447.** Do you plan on starting gender-affirming hormones in the future?

1=No

2=Yes

3=Not sure

[If Q444=2]

**^Q448.** Are you currently being monitored by a healthcare provider for your gender-affirming hormones?

1=No, I am monitoring my gender-affirming therapy myself

2=No, I am being helped by someone else (who is not my healthcare provider)

3=Yes, by my general practitioner/ family doctor

4=Yes, by a medical specialist (e.g., endocrinologist)

[If Q444=2 & Q006=1; *i.e.*, only shown to people currently taking gender-affirming hormones and assigned male at birth]

**Q449AMAB**. Where have you got your gender-affirming hormones from? (Tick as many as apply)

- Q449AMAB\_1**=General practitioner / family doctor
- Q449AMAB\_2**=Medical specialist (*e.g.*, endocrinologist)
- Q449AMAB\_3**=At a hospital, clinic or institute
- Q449AMAB\_4**=At a community health service or drop-in (not in a hospital or clinic)
- Q449AMAB\_5**=From an online pharmacy / abroad
- Q449AMAB\_6**=From a physical pharmacy in the country I live in
- Q449AMAB\_7**=From a friend and/or partner
- Q449AMAB\_8**=Alternative use of hormone medication (*e.g.*, anti-conception pills)
- Q449AMAB\_9**=From a “drug dealer” or on the “black market”
- Q449AMAB\_10**=At a gender-affirming care service

[If Q444=2 & Q006=2; *i.e.*, only shown to people currently taking gender-affirming hormones and assigned female at birth]

**Q449AFAB**. Where have you gotten your gender-affirming hormones from? (Tick as many as apply)

- Q449AFAB\_1**=General practitioner / family doctor
- Q449AFAB\_2**=Medical specialist (*e.g.*, endocrinologist)
- Q449AFAB\_3**=At a hospital, clinic or institute
- Q449AFAB\_4**=At a community health service or drop-in (not in a hospital or clinic)
- Q449AFAB\_5**=From an online pharmacy / abroad
- Q449AFAB\_6**=From a physical pharmacy in the country I live in
- Q449AFAB\_7**=From a friend and/or partner
- Q449AFAB\_9**=From a “drug dealer” or on the “black market”
- Q449AFAB\_10**=At a gender-affirming care service

[End Section filter]

[If Q004=1 & Q006=2 | Q004=3 & Q006=1; *i.e.*, only shown to trans men and trans women]

**Q450**. How often do you “pass” (get perceived by strangers as the gender you identify as)?

- 1=Always
- 2=Most of the time
- 3=Half of the time
- 4=Rarely
- 5=Never

[If Q004=3 & Q006=1 | Q004=5 & Q006=1; *i.e.*, only shown to trans women and AMAB non-binary people]

**Q451AMAB**. So that we can ask you appropriate questions about your sexual life, and because people's bodies differ, please let us know if you have... (Tick all that apply)

- Q451AMAB\_1**=A penis
- Q451AMAB\_2**=Testicles
- Q451AMAB\_3**=A (neo)vagina
- Q451AMAB\_4**=A (neo)vulva with no vaginal depth (without vaginal opening)

[If Q004=1 & Q006=2 | Q004=5 & Q006=2; *i.e.*, only shown to trans men and AFAB non-binary people]

**Q451AFAB**. So that we can ask you appropriate questions about your sexual life, and because people's bodies differ, please let us know if you have... (Tick all that apply)

- Q451AFAB\_1**=A vagina
- Q451AFAB\_2**=A vulva with no vaginal opening
- Q451AFAB\_3**=A penis (metoidioplasty)
- Q451AFAB\_4**=A penis (phalloplasty)

## RELATIONSHIPS

**Q034.** Do you currently have a 'steady partner', that is a lover or spouse that means you are not 'single'?

- 1=No, I am single
- 2=Yes, I have a steady partner
- 3=I'm not sure / it's complicated

[If Q034=2; *i.e.*, only shown to people reporting steady partners, **not to those who said "It's complicated"**]

**Q036–Q041.** Are you currently in a steady relationship with...? (Tick as many as apply)

- Q036.** One man
- Q037.** More than one man
- Q038.** One non-binary person
- Q039.** More than one non-binary person
- Q040.** One woman
- Q041.** More than one woman

[If Q034=2; *i.e.*, only shown to people reporting steady partners, **not to those who said "It's complicated"**]

**Q036\_Q041.** DERIVED VARIABLE. In a steady relationship with... (composite).

Combines responses to Q036 to Q041 into 4 groups.

- 1=One man only
- 2=More than one man (no women/non-binary)
- 3=One woman only
- 4=All other steady relationships

[If Q036=2 | Q037=2; *i.e.*, only shown to people reporting men as steady partners]

**Q043.** Does your steady male partner have HIV? (If you have more than one steady relationship with a man, please tell us about the longest)

- 1=No, he is HIV negative
- 2=Yes, and he has an undetectable viral load
- 3=Yes, and his viral load is detectable
- 4=Yes, and I do not know what his viral load is
- 5=I don't know whether he has HIV or not

## YOUR RELATIONSHIP WITH A WOMAN / WOMEN

[If Q040=2 | Q041=2; *i.e.*, only shown to people reporting women as steady partners]

**Q045.** Does your steady female partner have HIV? (If you have more than one steady relationship with a woman, please tell us about the longest)

- 1=No, she is HIV negative
- 2=Yes, and she has an undetectable viral load
- 3=Yes, and her viral load is detectable
- 4=Yes, and I do not know what her viral load is
- 5=I don't know whether she has HIV or not

## YOUR RELATIONSHIP WITH A NON-BINARY PERSON / PEOPLE

[If Q038=2 | Q039=2; *i.e.*, only shown to people reporting non-binary people as steady partners]

**Q047.** Does your steady non-binary partner have HIV? (If you have more than one steady relationship with a non-binary person, please tell us about the longest) [Introduced in EMIS-2017]

- 1=No, they are HIV negative
- 2=Yes, and they have an undetectable viral load
- 3=Yes, and their viral load is detectable
- 4=Yes, and I do not know what their viral load is
- 5=I don't know whether they have HIV or not

## DID YOU KNOW THIS ABOUT HIV AND HIV TESTING

[If Q004=1 & Q006=1 | Q004=1 & Q006=2; *i.e.*, only shown to men (cis and trans)]

**Q048.** When was the last time you saw or heard any information about HIV or STIs specifically for *men who have sex with men*?

[Recency scale]

[If Q004=1 & Q006=2 | Q004=3 & Q006=1 | Q004=5; *i.e.*, only shown to trans men, trans women, and non-binary people]

**Q048TransV.** When was the last time you saw or heard any information about HIV or STIs specifically for *transgender people*?

[Recency scale]

[If Q004=1 & Q029=1, 2, 4 or 5 & Q008=64; *i.e.*, only shown to (cis and trans) men residing in Germany, excluding those with heterosexual identity]

**\*Q442.** Are you aware of the national HIV prevention campaign ICH WEISS WAS ICH TU (IWWIT)?

1=No, 2=Yes

**Q049–Q052.** The following four statements are all TRUE. **Did you know this already?**

[Knowledge response set]

**Q049.** AIDS is caused by a virus called HIV.

**Q050.** You cannot be confident about whether someone has HIV or not from their appearance.

**Q051.** There is a medical test that can show whether or not you have HIV.

**Q052.** If someone becomes infected with HIV it may take several weeks before it can be detected in a test.

## DID YOU KNOW THIS ABOUT HIV TREATMENT

**Q053–Q055.** The following three statements are all TRUE. **Did you know this already?**

[Knowledge response set]

**Q053.** There is currently no cure for HIV infection (*aside from a handful of people who appear to have been cured in the course of treatment for a specific rare type of cancer*).

**Q054.** HIV infection can be controlled with medicines so that its impact on health is much less.

**Q055.** A person with HIV who is on effective treatment (called 'undetectable viral load') cannot pass their virus to someone else during sex. [Introduced in EMIS-2017]

## TESTING FOR HIV

**Q056.** Have you ever received an HIV test result?

1=No, 2=Yes

[If Q056=2; *i.e.*, shown to people who received an HIV test result]

**Q057.** Have you ever been diagnosed with HIV?

1=No, 2=Yes ["No" includes men who were never tested for HIV]

**Q057testhist.** DERIVED VARIABLE. HIV-testing history. [Combines Q056 & Q057 above]

[If Q056=1; *i.e.*, only shown to people who never received an HIV test result]

**Q058.** Have you ever been offered an HIV test by a health service? [Introduced in EMIS-2017]

1=No

2=Yes

3=I don't know

**\*Q058A.** Have you ever been forced or tricked into taking an HIV test when you did not want to take one? (asked in 2010)

1=No, 2=Yes

[If Q056=1; *i.e.*, only shown to people who never received an HIV test result]

**Q059.** Do you know where you could get an HIV test? [Introduced in EMIS-2017]

- 1=No
- 2=Yes
- 3=Not sure

### **BEING DIAGNOSED WITH HIV**

[If Q057=2; *i.e.*, only shown to people with diagnosed HIV]

**Q060.** In which year were you initially diagnosed HIV positive?

- 1=1984
- 2=1985
- [...]
- 38=2021
- 39=2022
- 40=2023/2024

**Q060years.** RECODED VARIABLE. Number of years diagnosed HIV positive.

**Q060grouped.** RECODED VARIABLE. Number of years diagnosed HIV positive.

- 1=1984–1990
- 2=1991–1995
- 3=1996–2000
- 4=2001–2005
- 5=2006–2010
- 6=2011–2015
- 7=2016–2020
- 8=2021–2024

[If Q057=2 & (Q060=39 or 40); *i.e.*, denominator is people with HIV diagnosed 2022–24]

**Q061.** Were you diagnosed with HIV within the last 12 months?

- 1=No, 2=Yes

**Q061new.** RECODED VARIABLE. Were you diagnosed with HIV within the last 12 months? [Denominator is everyone but people who had HIV diagnosed longer than 12 months ago]

- 1=Diagnosed HIV positive over 12 months ago
- 1=NOT diagnosed HIV positive
- 2=Diagnosed HIV positive in the last 12 months

[If Q057=2; *i.e.*, only shown to people with diagnosed HIV]

**Q062.** Where were you initially diagnosed with HIV?

- 1=General Practitioner / family doctor
- 2=A doctor in private practice
- 3=At a hospital or clinic as an out-patient, or an institute
- 4=At a hospital as an in-patient
- 5=At a community health service or drop-in (not in a hospital or clinic)
- 6=At a blood bank, while donating blood
- 7=I used a self-sampling kit (I took my own sample then sent it away to be analysed)
- 8=I used a self-testing kit (I found out the result on the spot)
- 9=In a bar/pub, club or sauna
- 10=At a mobile testing unit
- 11=Elsewhere

[If Q004=1 & Q006=2 | Q004=3 & Q006=1 | Q004=5; *i.e.*, trans men, trans women, and non-binary people with diagnosed HIV received option 12 in addition]

**^12=At a gender-affirming care service**

[If Q057=2; i.e., only shown to people with diagnosed HIV]

**Q063.** When you were diagnosed HIV positive, how satisfied were you with the **support and information you received**? [Introduced in EMIS-2017]

- 1=I did not receive support or information
- 2=Very satisfied
- 3=Satisfied
- 4=Dissatisfied
- 5=Very dissatisfied
- 6=I don't remember / I did not think about it

### **MONITORING YOUR HIV INFECTION**

[If Q057=2; i.e., only shown to people with diagnosed HIV]

**Q064.** When did you last see a health professional for monitoring your HIV infection? (Please say when you last did this, even if it was not typical for you)

[Recency scale]

[If Q057=2; i.e., only shown to people with diagnosed HIV]

**Q065.** Have you ever taken antiretroviral treatment (sometimes known as ART or HAART) for your HIV infection?

- 1=No
- 2=Yes
- 3=I don't know

[If Q057=2 & Q065=2; i.e., only shown to people with diagnosed HIV and ever having taken ART]

**Q078.** Are you currently taking antiretroviral treatment?

- 1=No, 2=Yes

[If Q057=2 & Q065=2; i.e., only shown to people with diagnosed HIV and ever having taken ART]

**\*Q078A.** When was the last time you experienced an involuntary interruption of your anti-HIV medication?

- 1=Never
- 2=Before 2019
- 3=2019
- 4=2020
- 5=2021
- 6=2022
- 7=2023/2024

[If Q057=2 & Q065=2; i.e., only shown to people with diagnosed HIV and ever having taken ART]

**Q066.** RECODED VARIABLE. How much time was there between your HIV diagnosis and you starting treatment?

[Introduced in EMIS-2017]

- 1=Up to 1 month
- 2=1-6 months
- 3=6-12 months
- 4=13-24 months
- 5=2-5 years
- 6=Longer than 5 years

[based on]

**Q066\_1.** (years)

**Q066\_2.** (months). [Note: Cases where the number of years given was greater than 33 years were coded as -3 'Out of range']

[If Q057=2 & Q064<8, *i.e.*, only shown to people with diagnosed HIV and ever had HIV infection medically monitored]

**Q088.** What was the result of your viral load test the last time you had your HIV infection monitored?

- 1=Not diagnosed positive
- 2=Positive, never monitored
- 0=Not answered
- 1=Undetectable
- 2=Detectable
- 3=I was told but I don't remember the result
- 4=It was measured but I was not told the result
- 5=It was not measured
- 6=I don't remember
- 7=I don't understand the question

**Q088\_bin** RECODED VARIABLE. Detectable at last viral load test.

- 2=Answered but not known
- 1=Not asked/Not applicable
- 0=Not answered
- 1=Undetectable
- 2=Detectable

**\*Introductory Text for U=U** [See definition in Section 6.3]

**\*Q464.** What HIV prevention strategy do you use most frequently?

- 1=I rely on U=U
- 2=I use condoms
- 3=insert what was used and the filter
- 4=I rely on my partners using PrEP ("PrEP surfing")
- 5= I ask about my partners' HIV status
- 6=I don't use any particular HIV prevention method

#### **ABOUT YOUR LAST HIV TEST**

[If Q056=2 & Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative]

**Q089.** When did you **last** have an HIV test?

[Recency scale]

[If Q056=2 & Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative]

**Q090.** Where did you go for your **last** HIV test?

- 1=General Practitioner / family doctor
- 2=A doctor in private practice
- 3=At a hospital or clinic as an out-patient, or an institute
- 4=At a hospital as an in-patient
- 5=At a community health service or drop-in (not in a hospital or clinic)
- 6=At a blood bank, while donating blood
- 7=I used a self-sampling kit (I took my own sample then sent it away to be analysed)
- 8=I used a self-testing kit (I found out the result on the spot)
- 9=In a bar/pub, club or sauna
- 10=Mobile testing unit
- 11=Elsewhere

[If Q004=1 & Q006=2 | Q004=3 & Q006=1 | Q004=5; *i.e.*, trans men, trans women, and non-binary people received option 12 in addition]

**^12=At a gender-affirming care service**

[If Q056=2 & Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative]

**Q091.** The last time you tested for HIV, how satisfied were you with the support and information you **received**?

- 1=I did not receive any support or information
- 2=Very satisfied
- 3=Satisfied
- 4=Dissatisfied
- 5=Very dissatisfied
- 6=I don't remember / I did not think about it

[If Q056=2 & Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative]

**\*Q091A.** What would be your first choice for HIV testing, if you could choose freely?

- 1=General Practitioner / family doctor
- 2=A doctor in private practice
- 3=At a hospital, clinic or institute as an out-patient
- 4=At a hospital as an in-patient
- 5=At a community health service or drop-in center (not in a hospital or clinic)
- 6=At a blood bank, while donating blood
- 7=Use a self-sampling kit (taking my own sample, then sent it away for analysis)
- 8=Use a self-testing kit (to find out the result on the spot)
- 9=In a bar/pub, club or sauna
- 10=Mobile testing unit
- 11=Elsewhere

[If Q004=1 & Q006=2 | Q004=3 & Q006=1 | Q004=5; *i.e.*, trans men, trans women, and non-binary people received option 12 in addition]

**^12=At a gender-affirming care service**

[If Q056=2 & Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative]

**\*Q091B\_1-Q091B\_11.** What are the main reasons for your previous choice regarding HIV testing? (Tick as many as apply)

- Q091B\_1=It is LGBT friendly
- Q091B\_2=It is affordable
- Q091B\_3=It is non-judgmental
- Q091B\_4=It is easy to reach
- Q091B\_5=It is anonymous
- Q091B\_6=I receive personal advice
- Q091B\_7=It is possible to communicate in my native language
- Q091B\_8=It is led by medical professionals with expertise on sexual health
- Q091B\_9=It is led by peers with expertise on sexual health
- Q091B\_10=It offers additional services to HIV testing
- Q091B\_11=None of the above

[If Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative or people untested]

**PEP use**

**\*[Introductory Text for PEP]** [See definition in Section 6.3]

[If Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative or people untested]

**Q097.** Have you ever taken PEP?

- 1=No, I never felt the need to take it
- 2=No, I could not get it
- 3=No, I had the opportunity but decided not to take it
- 4=Yes, I've taken one course of pills
- 5=Yes, I've taken more than one course of pills
- 6=I don't know

## ABOUT PREP (PRE-EXPOSURE PROPHYLAXIS) FOR HIV

[If Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative or people untested]

**Q102.** Have you heard of **PrEP**? [Introduced in EMIS-2017]

1=No, 2=Yes

[If Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative or people untested]

**Q103–Q105B.** The following three statements are all TRUE. **Did you know this already?**

[Knowledge response set]

**Q103.** Pre-Exposure prophylaxis (PrEP) involves someone who does not have HIV taking pills **before** as well as after sex to prevent them getting HIV. [Introduced in EMIS-2017]

**Q104.** PrEP can be taken as a single daily pill if someone does not know in advance when they will have sex.

[Introduced in EMIS-2017]

**Q105.** If someone knows in advance when they will have sex, PrEP needs to be taken as a double dose approximately 2 to 24 hours before sex **and** then at both 24 and 48 hours after the double dose. [Introduced in EMIS-2017]

[If (Q444=2 | Q447=2) & Q006=2; *i.e.*, only shown to trans men and AFAB non-binary people taking/planning gender-affirming hormones]

**Q105A.** Gender-affirming hormone therapy with testosterone does not affect PrEP efficacy in any way.

[If (Q444=2 | Q447=2) & Q006=2; *i.e.*, only shown to trans women and AMAB non-binary people taking/planning gender-affirming hormones]

**Q105B.** If you are on oestrogen as part of your gender-affirming hormones, PrEP is effective only if taken in the modality of a single daily pill.

[If (Q004=1 | Q004=5) & Q006=2; *i.e.*, only shown to trans men and AFAB non-binary people]

*Please note:* Taking PrEP just before and after sex has been shown to be protective in anal but not vaginal intercourse.

[If Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative or people untested]

**Q106.** Has anyone at a health service in <Q008> ever spoken to you personally about PrEP? [Introduced in EMIS-2017]

1=No

2=Yes

3=I don't know

[If Q057=1 & Q106=2; *i.e.*, only shown to people reporting their last HIV test as negative or people untested who were spoken to personally about PrEP]

**Q107–Q111.** Which health service has spoken to you about PrEP? (Tick as many as apply)

Q107. General Practitioner / family doctor [Introduced in EMIS-2017]

Q108. A doctor in private practice [Introduced in EMIS-2017]

Q109. At a hospital or clinic as an out-patient, or an Institute [Introduced in EMIS-2017]

Q110. At a community service or drop-in (that is not in a hospital or clinic) [Introduced in EMIS-2017]

[If Q004=1 & Q006=2 & Q106=2 | Q004=3 & Q006=1 & Q106=2 | Q004=5 & Q106=2; *i.e.*, only shown to trans men, and trans women and non-binary people reporting their last HIV test as negative or people untested who were spoken to personally about PrEP]

**Q110A** **TransV.** At a gender-affirming care service

Q111. Other answer [Introduced in EMIS-2017]

[If Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative or people untested]

**Q113.** Have you ever tried to get PrEP? [Introduced in EMIS-2017]

1=No, 2=Yes

[If Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative or people untested]

**Q114.** Have you ever taken PrEP? [Introduced in EMIS-2017]

- 1=No
- 2=Yes, on a daily basis and I'm still taking it
- 3=Yes, on a daily basis but I'm no longer taking it
- 4=Yes, when I have needed it but not daily
- 5=I don't know

**Q114\_Q056hivprep.** DERIVED VARIABLE combining Q056, Q057 and Q114.

- 1=Never tested
- 2=Last test negative and not taking PrEP
- 3=Last test negative and taking PrEP
- 4=Diagnosed HIV

**Q114\_Q057hivprep.** DERIVED VARIABLE combining Q057 and Q114.

- 1=Neither
- 2=Taking PrEP
- 3=Diagnosed HIV

[If Q057=1 & Q114=2, 3 or 4; *i.e.*, only shown to people reporting their last HIV test as negative or people untested who ever had taken PrEP]

**\*Q114A.** In which year did you start taking PrEP?

[Response set covering years since "2012" ("2023" includes 2024)]

[If Q057=1 & Q114=2, 3 or 4; *i.e.*, only shown to people reporting their last HIV test as negative or people untested who ever had taken PrEP]

**\*Q114B.** When was the last time you took PrEP?

[Recency scale]

[If Q057=1 & Q114=2, 3 or 4; *i.e.*, only shown to people reporting their last HIV test as negative or people untested who ever had taken PrEP]

**\*Q114C.** When was the last time you experienced an involuntary interruption of your PrEP medication?

- 1=Never
- 2=Before 2019
- 3=2019
- 4=2020
- 5=2021
- 6=2022
- 7=2023/2024

[If Q057=1 & Q114=2, 3 or 4; *i.e.*, only shown to people reporting their last HIV test as negative or people untested who ever had taken PrEP]

**Q115.** Have you ever spoken to a healthcare professional about PrEP before using it? [Introduced in EMIS-2017]  
1=No, 2=Yes

[If Q057=1 & Q114=2, 3 or 4; *i.e.*, only shown to people reporting their last HIV test as negative or people untested who ever had taken PrEP]

**Q123–Q132.** Where have you got your PrEP pills from? (Tick as many as apply)

Q123. As a participant in a research study [Introduced in EMIS-2017]

Q124. General Practitioner / family doctor [Introduced in EMIS-2017]

Q125. A doctor in private practice [Introduced in EMIS-2017]

Q126. At a hospital, clinic or institute [Introduced in EMIS-2017]

Q127. At a community health service or drop-in (not in a hospital or clinic) [Introduced in EMIS-2017]

Q128. From an online pharmacy/ abroad [Introduced in EMIS-2017]

Q129. From a physical pharmacy in the country I live in (not online) [Introduced in EMIS-2017]

Q130. I used PEP pills as PrEP [Introduced in EMIS-2017]

Q131. I used someone else's anti-retroviral therapy (ART) pills as PrEP [Introduced in EMIS-2017]

Q132. Other answer [Introduced in EMIS-2017]

[If Q114=2 & Q004=5 | Q114=3 & Q004=5 | Q114=4 & Q004=5 | Q114=2 & Q443=2 | Q114=3 & Q443=2 | Q114=4 & Q443=2; *i.e.*, only shown to trans men, trans women, and all non-binary people who ever took PrEP]

**Q132A** TransV. At a gender-affirming care service

**\*Q133A.** Given by friend or partner [New answer option based on the free text to Q133 in EMIS-2017.]

[If Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative or people untested]

**Q134.** If PrEP was available and affordable to you, how likely would you be to use it? [Question not correctly displayed and hence missing due to technical issues]

1=Very unlikely

2=Quite unlikely

3=Not sure

4=Quite likely

5=Very likely

[If Q057=1; *i.e.*, only shown to people reporting their last HIV test as negative or people untested]

**\*[Introductory Text for U=U]** [See definition in Section 6.3]

[If Q057=1 & Q464=1; *i.e.*, only shown to people reporting their last HIV test as negative or people untested **who rely on U=U**]

**\*Q465.** To what extent do you trust U=U (you resp. your partner has an undetectable viral load) as a way to prevent HIV transmission?

[1 not at all – 5 completely]

[If Q057=1 & Q464=4; *i.e.*, only shown to people reporting their last HIV test as negative or people untested **who rely on their partners using PrEP**]

**\*Q466.** To what extent do you trust PrEP surfing (your partner uses PrEP) as a way to prevent HIV transmission?

[1 not at all – 5 completely]

## ABOUT VIRAL HEPATITIS

**Q135–Q139.** The following statements are all TRUE. **Did you know this already?**

[Knowledge response set]

**Q135.** 'Hepatitis' *means* inflammation of the liver. [Introduced in EMIS-2017]

**Q137.** Hepatitis is *often* caused by hepatitis viruses, named after the letters of the alphabet. [Introduced in EMIS-2017]

**Q138.** Vaccines exist for both hepatitis A and hepatitis B. [Introduced in EMIS-2017]

[If Q004=1 & Q006=1; | Q004=1 & Q006=2; *i.e.*, only shown to men (cis and trans)]

**Q139.** Doctors recommend men-who-have-sex-with-men are vaccinated against both hepatitis A and hepatitis B viruses. [Introduced in EMIS-2017, filter introduced in 2024; trans women and non-binary individuals hence did not learn anymore about MSM vaccination recommendation]

## ABOUT VIRAL HEPATITIS VACCINATION

**Q140.** Have you ever been offered any hepatitis vaccination by a health service? [Introduced in EMIS-2017]

1=No

2=Yes

3=I don't know

**Q141.** Have you been vaccinated against hepatitis A? [Introduced in EMIS-2017]

1=No, because I've had hepatitis A (and am now naturally immune)

2=No, and I don't know if I'm immune

3=Yes, and I completed the course

4=Yes, but I did not complete the course

5=I don't know

**Q143.** Have you been vaccinated against hepatitis B?

1=No, because I've had hepatitis B (and am now naturally immune)

2=No, and I don't know if I'm immune

3=No, I have chronic hepatitis B infection

4=Yes, and I completed the course

5=Yes, but I did not complete the course

6=Yes, but I did not respond to the vaccinations

7=I don't know

[If Q143=3]

**\*Q143A.** Are you receiving specialist care for your hepatitis B infection?

1=No

2=Yes

3= I don't know

[If Q141=2, 4 or 5 | Q143=2, 5, 6 or 7; *i.e.*, only shown to people without immunity against hepatitis A, or B, respectively]

**Q144.** Do you know where you could get vaccinated against *hepatitis A and/or B*? [Introduced in EMIS-2017]

1=No

2=Yes

3=Not sure

## ABOUT HEPATITIS C

**\*[Introductory Text of Hepatitis C]** [See definition in Section 6.3]

**\*Q145A.** When have you last been tested for hepatitis C?  
[Recency scale]

[If Q145A <8; *i.e.*, only shown to people ever tested for hepatitis C]

**Q145.** Have you ever been diagnosed with hepatitis C?  
1=No  
2=Yes  
3=I don't know

[If Q145=2]

**Q146.** When were you FIRST diagnosed with hepatitis C?  
[Recency scale]

[If Q145=2]

**Q147.** How many times have you picked up hepatitis C infection? [Introduced in EMIS-2017]  
1=Once  
2=Twice  
3=Three or more times

[If Q145=2]

**Q148.** What is your current hepatitis C status?  
1=I've cleared it spontaneously without treatment  
2=I've cleared it with treatment  
3=I still have it  
4=I don't know

## **\*USING ANTIBIOTICS TO REDUCE THE RISK OF BACTERIAL STIs**

**\*Q410.** Have you ever taken antibiotics (*e.g.*, doxycycline) before or after having sex to reduce the risk of getting some sexually transmitted infections? This is sometimes called 'Doxy PrEP' or 'Doxy-PEP'.  
[Recency scale]

[If Q410<=5, *i.e.*, only shown to people who have taken antibiotics for STI prevention within previous 12 months]

**\*Q411\_1-Q411\_7.** Where have you got your antibiotics from? (Tick as many as apply)?

Q411\_1=It was prescribed to me by a healthcare provider with the purpose that I use it to prevent STIs

Q411\_2=Bought it in a pharmacy without prescription

Q411\_3=I had this antibiotic at home as a leftover medication prescribed to me for an infection I had in the past

Q411\_4=From a sexual partner, friend, or acquaintance

Q411\_5=From a "drug dealer" (from a person who sells illicit drugs)

Q411\_6=Bought online or abroad

Q411\_7=Other source

## TESTING FOR OTHER SEXUALLY TRANSMITTED INFECTIONS

**Q149.** Have you ever had a test for sexually transmitted infections (STIs) other than HIV?

- 1=No
- 2=Yes
- 3=I don't know

[If Q149=2]

**Q150.** When did you **last** have a test for STIs other than HIV?

[Recency scale]

[If Q150<=5, *i.e.*, tested for STIs in the previous 12 months]

**Q151.** Did you have any symptoms on that occasion?

- 1=No
- 2=Yes
- 3=I don't remember

[If Q150<=5 & Q004=1 & Q006=1, *i.e.*, only shown to cis men tested for STIs in the previous 12 months]

**Q152.** On that occasion, did your health care provider know about your sexual orientation? [Introduced in EMIS-2017, filter for cis men introduced in 2024]

- 1=Yes, they definitely knew
- 2=Yes, they probably knew
- 3=No, they did not know
- 4=I don't know whether they knew or not

## WHAT HAPPENED DURING STI TESTS IN THE PREVIOUS 12 MONTHS

These variables were erroneously omitted from EMIS-2024.

Q154. Have you provided a blood sample as part of any STI test in the last 12 months? [Question not displayed and hence missing due to technical issues]

- 1=No
- 2=Yes
- 3=I don't remember

Q155. Have you provided a urine sample as part of any STI test in the last 12 months? [Question not displayed and hence missing due to technical issues]

- 1=No
- 2=Yes
- 3=I don't remember

[If Q150<=5 & (Q004=1 & Q006=1 | Q451AMAB\_1=2 | Q451AFAB\_4=1); *i.e.*, only shown to cis men, other AMAB people with a penis, and AFAB people with phalloplasty, who were tested for STIs within the previous 12 months]

**Q156.** Was something inserted into the opening of your penis (**urethral swab**) as part of any STI test in the last 12 months?

- 1=No
- 2=Yes
- 3=I don't remember

[If Q150<=5 & (Q004=1 & Q006=1 | Q451AMAB\_1=2 | Q451AFAB\_3=2 | Q451AFAB\_4=2); *i.e.*, only shown to cis men, other AMAB people with a penis, and AFAB people with metoidioplasty or phalloplasty, who were tested for STIs within the previous 12 months]

**Q157.** Has your **penis been examined** as part of any STI test in the last 12 months?

1=No

2=Yes

3=I don't remember

[If Q150<=5 & (Q451AMAB\_3=2 | Q451AFAB\_1=2); *i.e.*, only shown to AMAB people with a neo-vagina, and AFAB people with a vagina, who were tested for STIs within the previous 12 months]

**Q158.** Was something inserted into your vagina (**vaginal swab**) as part of any STI test in the last 12 months?

[Introduced in EMIS-2017]

1=No

2=Yes

3=I don't remember

[If Q150<=5 & (Q451AMAB\_3=2 | Q451AFAB\_1=2); *i.e.*, only shown to AMAB people with a neo-vagina, and AFAB people with a vagina, who were tested for STIs within the previous 12 months]

**Q159.** Has your **vagina** been examined as part of any STI test in the last 12 months? [Introduced in EMIS-2017]

1=No

2=Yes

3=I don't remember

[If Q150<=5; *i.e.*, tested for STIs in the previous 12 months]

**Q160.** Was something inserted into your anus (**anal swab**) as part of any STI test in the last 12 months?

1=No

2=Yes

3=I don't remember

[If Q150<=5; *i.e.*, tested for STIs in the previous 12 months]

**Q161.** Has your anus been examined as part of any STI test in the last 12 months?

1=No

2=Yes

3=I don't remember

## BEING DIAGNOSED WITH SEXUALLY TRANSMITTED INFECTIONS

**Q162.** Have you ever been diagnosed with **syphilis**?

- 1=No
- 2=Yes
- 3=I don't know

[If Q162=2]

**Q163.** When were you last diagnosed with **syphilis**?

[Recency scale]

[If Q163<=5; *i.e.*, diagnosed with syphilis within the previous 12 months]

**\*Q163A.** The last time you were diagnosed with syphilis, did you receive treatment for the syphilis infection?

- 1=No
- 2=Yes
- 3=I don't remember

**Q165.** Have you ever been diagnosed with **gonorrhoea**?

- 1=No
- 2=Yes
- 3=I don't know

[If Q165=2]

**Q166.** When were you last diagnosed with **gonorrhoea**?

[Recency scale]

[If Q166<=5; *i.e.*, diagnosed with gonorrhoea within the previous 12 months]

**\*Q166A.** The last time you were diagnosed with gonorrhoea, what was the reason for testing?

- 1=I had symptoms (pain, discharge etc)
- 2=I checked for STIs without having symptoms
- 3=I was notified by a partner who had gonorrhoea
- 4=None of the above

[If Q166<=5; *i.e.*, diagnosed with gonorrhoea within the previous 12 months]

**\*Q166B.** The last time you were diagnosed with gonorrhoea, did you receive treatment for the gonorrhoea infection?

- 1=No
- 2=Yes, I was treated with pills
- 3=Yes, I was treated with an injection
- 4=Yes, I was treated with pills and an injection
- 5=I don't remember

[If Q166<=5; *i.e.*, diagnosed with gonorrhoea within the previous 12 months]

**Q167.** The last time you were diagnosed with **syphilis or gonorrhoea**, did you (or your healthcare provider) inform your recent sexual partners that they also needed a test/treatment? [Introduced in EMIS-2017, see Section 6.3]

- 1=No, none of them
- 2=Yes, some of them
- 3=Yes, all of them
- 4=I don't remember

**Q168.** Have you ever been diagnosed with **Chlamydia or LGV**?

1=No

2=Yes

3=I don't know

[If Q168=2]

**Q169.** When were you last diagnosed with **Chlamydia or LGV**?

[Recency scale]

[If Q169<=5; *i.e.*, diagnosed with chlamydia within the previous 12 months]

**\*Q169A.** The last time you were diagnosed with chlamydia, what was the reason for testing?

1=I had symptoms (pain, discharge etc.)

2=I checked for STIs without having symptoms

3=I was notified by a partner who had gonorrhoea

4=None of the above

**Q170.** Have you ever been diagnosed with **anal or genital warts**?

1=No

2=Yes

3=I don't know

[If Q170=2]

**Q171.** When were you FIRST diagnosed with **anal or genital warts**?

[Recency scale]

**\*ABOUT Human Papilloma Virus (HPV)**

**\*Q171A-171C.** The following three statements are all TRUE. **Did you know this already?**

**\*Q171A.** Human Papilloma Virus (HPV) causes anal and genital warts.

**\*Q171B.** Human Papilloma Virus (HPV) causes some types of cancer.

**\*Q171C.** Vaccines exist for Human Papilloma Virus (HPV).

[Knowledge response set]

[If 171C=1, *i.e.*, only shown to people who already knew about vaccines against HPV]

**\*Q171D.** Have you been vaccinated against HPV?

1=No, I did not want to

2=No, I wanted to but it was not available to me because of my gender or my age

3=No, I wanted to but I could not afford it

4=Yes, at least one shot

5=I don't know

**\*ABOUT MPOX ('monkeypox')**

**\*Q412-414.** The following three statements are all TRUE. **Did you know this already?**

[Knowledge response set]

[If Q004=1 & Q006=1; *i.e.*, only shown to cis men]

**\*Q412.** Since the novel outbreak in 2022, 'monkeypox' (Mpox) has predominantly affected men who have sex with men.

[If Q004=1 & Q006=2 | Q004=5 & Q443=2 | Q004=3 & Q006=1; *i.e.*, different wording shown to trans men, trans women, and non-binary people who identify as part of the trans community]

**\*Q412.** Since the novel outbreak in 2022, 'monkeypox' (Mpox) has predominantly affected men who have sex with men **and transgender people**.

**\*Q413.** Mpox is mainly transmitted during sex or close physical contact.

**\*Q414.** There is a vaccine against Mpox that significantly reduces the risk of contracting the disease

**\*Q415.** Do you personally know someone who has been diagnosed with Mpox (monkeypox)?

1=No, I don't know anyone personally

2=Yes, I personally know one or more people

3=I don't want to say

**\*Q416.** Have you had Mpox ('monkeypox') since 2022?

1=No, and I had no symptoms suggestive of Mpox infection

2=No, but I had symptoms which might have been caused by Mpox

3=Yes, and I was diagnosed by a doctor

4=Yes, but I was not diagnosed in a health care setting

5=I don't know

**\*Q417.** Have you been vaccinated against Mpox ('monkeypox') since May 2022?

1=No, I did not want to

2=No, I wanted to but it was not available to me

3=Yes - with one dose

4=Yes - with two doses

5=Yes - but I am not sure how many doses

6=I don't know

[If Q417=1 or 2; *i.e.*, only shown to people not yet vaccinated against Mpox]

**\*Q418.** Do you know where to go to get vaccinated against Mpox ('monkeypox')?

1=No

2=Yes

3=Not sure

**\*Q419-422.** If there was a rapid increase in Mpox cases in your community, how likely would you take any of the following actions?

[5 point Likert scale from not likely to very likely]

[If Q417=1 or 2; *i.e.*, only shown to people not yet vaccinated against Mpox]

**\*Q419.** Get vaccinated against Mpox

[displayed to all]

**\*Q420.** Avoid locations where spontaneous sex on the spot is possible

**\*Q421.** Reduce the number of sexual partners/ avoid group sex

**\*Q422.** Use condoms for anal intercourse more frequently

## ABOUT SEX WITH MEN

[Introduction text]

[Definition of [Sex](#), see Section 6.3]

**Q172.** Have you ever had any kind of sex with a man (please include any sexual contact, not just intercourse)?

[Introduced in EMIS-2017]

1=No, 2=Yes

[If Q172=2]

**Q173.** How old were you the **very first** time you had any kind of sex with another man (regardless of age), or another man had any kind of sex with you?

1=I don't remember

2=Younger than 13 years

3=13

4=14

[...]

19=29

20=30

21=Older than 30 years

## ABOUT INTERCOURSE WITH MEN

[Introductory Text]

[Definition of [Intercourse](#), see Section 6.3]

**Q175.** Have you **ever** had intercourse with a man (either "passive" or "active" fucking), either with or without a condom?

1=No, 2=Yes

[If Q175=2]

**Q176.** How old were you the **very first** time you had intercourse with another man?

1=I don't remember

2=Younger than 13 years

3=13

4=14

[...]

19=29

20=30

21=Older than 30 years

[If Q175=2 & (Q451AMAB\_3=2 | Q451AFAB\_1=2); i.e., only shown to AMAB people with a neo-vagina and AFAB people with a vagina reporting ever having had **intercourse** with a man]

**Q455.** Thinking about your current behaviour during intercourse with a man, when you are being "passive" during sex, you have...

1=Only vaginal penetration

2=Mainly vaginal penetration

3=Both vaginal and anal penetration

4=Mainly anal penetration

5=Only anal penetration

6=I am never "passive" during sex / not applicable

### **ABOUT SEX WITH A STEADY PARTNER**

[If Q025=2 & Q172=2; *i.e.*, only shown to people sexually attracted to men and reporting ever having had **any kind of sex** with a man]

#### **\*Q174A.** ABOUT SEX WITH STEADY MALE PARTNER

When did you last have any kind of sex with a steady male partner (please include any sexual contact, not just intercourse)?

[Recency response]

[If Q025=2 & Q174A<=5; *i.e.*, only shown to people sexually attracted to men and reporting having had **any kind of sex with a steady male partner** in the previous 12 months]

**\*Q174C.** What was the age of the last steady partner that you had sex with? Please give an estimate if you are not sure.

1=Younger than 20 years

2=20–29 years

3=30–39 years

4=40–49 years

5=50–59 years

6=60–69 years

7=70 years and older

[If Q025=2 & Q175=2; *i.e.*, only shown to people sexually attracted to men and reporting ever having had **intercourse** with a man]

### **ABOUT INTERCOURSE WITH STEADY MALE PARTNER**

[Introductory text]

Reminder: The term "intercourse" (fucking, screwing) means sex where one partner puts their penis into the other partner's anus or vagina. "Intercourse" does not include oral sex or the use of dildos.

[If Q025=2 & Q175=2; *i.e.*, only shown to people sexually attracted to men and reporting ever having had **intercourse** with a man]

**\*Q177A.** When did you last have intercourse with a steady male partner (with or without condom)?

[Recency scale]

[Introductory Text]

## **ABOUT SEX WITH NON-STEADY MALE PARTNERS**

[Definition of [non-steady partners](#), see Section 6.3]

[If Q025=2 & Q172=2; *i.e.*, only shown to people sexually attracted to men and reporting ever having had **any kind of sex** with a man.]

**See Technical Errors**

**\*Q174B.** When did you last have any kind of sex with a non-steady male partner (please include any sexual contact, not just intercourse)?

[Recency scale]

**\*Q174AB.** Derived variable, combines Q174A (sex with steady p.) and Q174B.

[Recency scale]

[If Q025=2 & Q174B <=5; *i.e.*, only shown to people sexually attracted to men and reporting having had **any kind of sex** with a man in the previous 12 months.]

**\*Q174D.** What was the age of the last non-steady partner that you had sex with? If there was more than one non-steady partner at that event, think of only one of them. Please give an estimate if you are not sure.

1=Younger than 20 years

2=20–29 years

3=30–39 years

4=40–49 years

5=50–59 years

6=60–69 years

7=70 years and older

**Note:** In the following three variables (**Q183–Q185**), **-1=Not answered**, **0=None**

[If Q025=2 & Q172=2; *i.e.*, only shown to people sexually attracted to men and reporting ever having had **any kind of sex** with a man.]

**Q183.** How many different **non-steady male partners** have you had sex with in the last 12 months?

[Note: The 'None' option was not presented on-screen as the question was served only to those who indicated they had a non-steady partner in the previous 12 months.]

0=None

1=1

[...]

10=10

11=11–20

12=21–30

13=31–40

14=41–50

15=More than 50

→ see further below DERIVED VARIABLE **partnerN**.

## ABOUT INTERCOURSE WITH NON-STEADY MALE PARTNERS

[If Q025=2 & Q175=2; *i.e.*, only shown to people sexually attracted to men and reporting ever having had **intercourse** with a man  
**See Technical Errors**]

[New introductory text]

*Reminder:* The term "intercourse" (fucking, screwing) means sex where one partner puts their penis into the other partner's anus or vagina. "Intercourse" does not include oral sex or the use of dildos.

[If Q025=2 & Q175=2; *i.e.*, only shown to people sexually attracted to men and reporting ever having had **intercourse** with a man]

**\*Q177B.** When did you last have intercourse with a non-steady male partner (with or without condom)?  
[Recency scale]

**\*Q177AB.** Derived variable, combines Q177A (sex with steady p.) and Q177B.  
[Recency scale]

[If Q025=2 & Q177B<=5; *i.e.*, only shown to people sexually attracted to men and reporting having had **intercourse with a non-steady male partner** in the previous 12 months]

**Q184.** How many non-steady partners did you have **intercourse** with in the last 12 months?

- 0=None
- 1=1
- 2=2
- [...]
- 10=10
- 11=11-20
- 12=21-30
- 13=31-40
- 14=41-50
- 15=More than 50

[If Q025=2 & Q184>0; *i.e.*, only shown to people sexually attracted to men and reporting having had **intercourse with at least one non-steady male partner** in the previous 12 months]

**Q185.** How many non-steady male partners have you had **intercourse without a condom** with in the last 12 months?

- 0=None
- 1=1
- 2=2
- [...]
- 10=10
- 11=11-20
- 12=21-30
- 13=31-40
- 14=41-50
- 15=More than 50

[If Q025=2 & Q184>0; *i.e.*, only shown to people sexually attracted to men and reporting having had **intercourse with at least one non-steady male partner** in the previous 12 months]

**Q186.** In the last 12 months, how often were **condoms** used when you had intercourse with non-steady male partners?

- 1=Never
- 2=Seldom
- 3=Sometimes
- 4=Mostly
- 5=Always

[If Q025=2 & Q186<5; *i.e.*, only shown to people sexually attracted to men and reporting having had **used condoms inconsistently when having intercourse with at least one non-steady male partner** in the previous 12 months]

**Q187.** In the last 12 months, have you had intercourse without a condom with a non-steady partner who you **knew at the time was HIV positive?**

1=No, 2=Yes

[If Q025=2 & Q187=2; *i.e.*, only shown to people sexually attracted to men and reporting having had **used condoms inconsistently when having intercourse with at least one non-steady male partner** in the previous 12 months **who was living with HIV**]

**Q188.** Did that HIV-positive man / those HIV-positive men have undetectable viral load? [Introduced in EMIS-2017]

1=Yes, I knew he did / they all did

2=Yes, I knew some of them did

3=No, he did not / none of them did

4=I don't know

5=I don't understand the question

[If Q025=2 & Q186<5; *i.e.*, only shown to people sexually attracted to men and reporting having had **used condoms inconsistently when having intercourse with at least one non-steady male partner** in the previous 12 months]

**Q189.** In the last 12 months, have you had intercourse without a condom with a non-steady partner who you **knew at the time was HIV negative?**

1=No, 2=Yes

[If Q025=2 & Q189=2; *i.e.*, only shown to people sexually attracted to men and reporting having had **used condoms inconsistently when having intercourse with at least one non-steady male partner** in the previous 12 months **who was HIV-negative**]

**Q190.** Was that HIV-negative man / were those HIV-negative men **taking PrEP?** [Introduced in EMIS-2017]

1=Yes, I know he was / they all were

2=Yes, I know some of them were

3=No, he was not / none of them were

4=I don't know

5=I don't understand the question

[If Q025=2 & Q186<5; *i.e.*, only shown to people sexually attracted to men and reporting having had **used condoms inconsistently when having intercourse with at least one non-steady male partner** in the previous 12 months]

**Q191.** In the last 12 months have you had intercourse without a condom with a non-steady partner whose **HIV status you did not know or think about at the time?**

1=No, 2=Yes

[If Q025=2 & Q172=2; *i.e.*, only shown to people sexually attracted to men and reporting ever having had **any kind of sex** with a man.]

Thinking about the sex you've had with **non-steady male partners only**, how long has it been since you engaged in each of the following? Please say when you last did something, even if this was not typical for you. [Used in EMIS-2010 and EMIS-2024, but not in EMIS-2017]

[Recency scale]

**\*Q191A.** When did you last have mutual masturbation (wanking)?

**\*Q191B.** When did you last suck a man's penis (cock)?

[If Q006=1 & Q004=1 | Q006=1 & Q451AMAB\_1=2 | Q006=2 & Q451AFAB\_3=2 | Q006=2 & Q451AFAB\_4=2; *i.e.*, only shown to cis men, other AMAB people with a penis, and AFAB people with metoidioplasty or phalloplasty]

**\*Q191C.** When did you last get your penis (cock) sucked?

**\*Q191D.** When did you last lick a man's anus (rim a man)?

**\*Q191E.** When did you last have a man lick your anus (get rimmed)?

[If Q006=1 & Q004=1 | Q006=1 & Q451AMAB\_1=2 | Q006=2 & Q451AFAB\_3=2 | Q006=2 & Q451AFAB\_4=2; *i.e.*, only shown to cis men, other AMAB people with a penis, and AFAB people with metoidioplasty or phalloplasty]

**\*Q191F.** When did you last have 'active' anal intercourse (you fucked a man), either with or without a condom?

**\*Q191G.** When did you last have 'passive' anal intercourse (you were fucked by a man), either with or without a condom?

[If Q451AFAB\_1=2 | Q451AMAB\_3=2; *i.e.*, only shown to people with a vagina or neo-vagina]

**^Q191GTransV.** When did you last have 'passive' **vaginal** intercourse (you were fucked by a man), either with or without a condom?

**\*Q191H.** When did you last put your hand into a man's rectum (do the fist-fucking)?

**\*Q191I.** When did you last have a man's hand in your rectum (get fist-fucked)?

[If Q451AFAB\_1=2 | Q451AMAB\_3=2; *i.e.*, only shown to people with a vagina or neo-vagina]

**^Q191J.** When did you last have a man's hand in your vagina (get fist-fucked)?

**Q191\_SRS.** DERIVED VARIABLE.

Sexual Repertoire Score (SRS)<sup>1</sup> [Additive score ranging from 1 to 9, based on previous-12-months engagement in insertive or receptive penile-oral, insertive or receptive penile-anal, insertive or receptive oral-anal sex, insertive or receptive brachio-anal sex ('fisting'), or mutual masturbation. To include individuals with a vagina or neo-vagina, receptive vaginal intercourse replaces insertive penile intercourse for the score.]

<sup>1</sup> Schmidt AJ & Marcus U (2023). What's on the rise in Sexually Transmitted Infections? *Lancet Reg Health Eur*; 34:100764. doi: 10.1016/j.lanpe.2023.100764.

[Introductory text]

[If Q025=2 & Q174B<=5; *i.e.*, only shown to people sexually attracted to men and reporting having had **any kind of sex with a non-steady male partner** in the previous 12 months]

**ABOUT THE LAST TIME YOU HAD ANY SEX WITH A NON-STEADY MALE PARTNER**

Please think about the **most recent occasion** you had sex with a **non-steady** male sex partner (whether or not you had intercourse).

[If Q025=2 & Q174B<=5; *i.e.*, only shown to people sexually attracted to men and reporting having had **any kind of sex with a non-steady male partner** in the previous 12 months]

**Q192.** Were you having sex with one man or more than one man? [Introduced in EMIS-2017, see Technical Errors]

1=It was just me and him

2=It was me, my steady partner and a non-steady partner (a threesome)

3=It was me and two non-steady partners (a threesome)

4=It was me and three or more other people

**Note:** If Q192 is answered with 1 or 2, then it is routed to Q193–Q202. If it is answered with 3 or 4, then it is routed to Q241 – Q260. **Please be aware** that all these questions have been filtered by Q025=2, *i.e.* respondents must have indicated sexual attraction to men!

Section filter: [If Q025=2, *i.e.*, respondents must have indicated sexual attraction to men]

[If Q192=1 or 2; *i.e.*, last sex involved one non-steady partner, with or without the steady partners present]

**IF LAST NON-STEADY SESSION WAS WITH ONE PARTNER OR THREESOME WITH STEADY PARTNER (1)**

[Note: this page heading was not displayed on-screen]

**Q193.** Where did you have sex? [Introduced in EMIS-2017]

1=My home

2=His home

3=Someone else's home

4=A hotel room

5=In a club or backroom of a bar

6=A sauna

7=A porn cinema

8=A cruising location (street, roadside service area, park, beach, baths, lavatory)

9=Other answer

[If Q192=2; *i.e.*, last sex involved one non-steady partner and the steady partners]

[Introductory text]

Please answer the following question with regard to the non-steady partner.

[If Q004!= 3 & Q192=1 or 2; *i.e.*, last sex involved one non-steady partner, with or without the steady partners present; trans women were not shown this question]

**Q195.** Where did you **first** meet him?

- 1=A gay community centre, gay organisation or gay social group
- 2=A gay café or gay bar
- 3=A gay disco or nightclub
- 4=A backroom of a bar, gay sex club, a public gay sex party
- 5=A gay sex party in a private home
- 6=A gay sauna
- 7=A porn cinema
- 8=A cruising location (street, roadside service area, park, beach, baths, lavatory)
- 9=On my mobile phone (or other GPS enabled device)
- 10=Elsewhere on the internet
- 11=Elsewhere

[If Q192=1 or 2; *i.e.*, last sex involved one non-steady partner, with or without the steady partners present]

**Q196.** Have you had sex with him before (on a different occasion)?

- 1=No
- 2=Yes, one time
- 3=Yes, more than one time

[If Q192=1 or 2; *i.e.*, last sex involved one non-steady partner, with or without the steady partners present]

**Q197.** What did you tell him about your HIV status before or during sex?

- 1=I told him I didn't know my HIV status
- 2=I told him I was HIV negative
- 3=I told him I was HIV positive
- 4=I said nothing about my HIV status
- 5=I don't remember
- 6=I told him I was on PrEP

[If Q197=2]

**Q198.** What did you tell him about your PrEP use? [Introduced in EMIS-2017]

- 1=I told him I was on PrEP
- 2=I told him I was not on PrEP
- 3=I did not tell him whether I was on PrEP or not

[If Q197=3]

**Q199.** What did you tell him about your viral load? [Introduced in EMIS-2017]

- 1=I told him I was undetectable
- 2=I told him I was detectable
- 3=I told him nothing about my viral load

[If Q192=1 or 2; *i.e.*, last sex involved one non-steady partner, with or without the steady partners present]

**Q200.** What did you know or assume about his HIV status before having sex?

- 1=I assumed he was HIV negative
- 2=I knew he was HIV negative
- 3=I assumed he was HIV positive
- 4=I knew he was HIV positive
- 5=I don't remember
- 6=I didn't have any thoughts about his HIV status

[If Q200=3 or 4]

**Q201.** What did he tell you about his viral load? [Introduced in EMIS-2017]

- 1=He told me he was undetectable
- 2=He told me he was detectable
- 3=He told me nothing about his viral load

[If Q200=1 or 2]

**Q202.** What did he tell you about his PrEP use? [Introduced in EMIS-2017]

- 1=He told me he was on PrEP
- 2=He told me he was not on PrEP
- 3=He did not tell me whether he was on PrEP or not

**Note:** If Q192 is answered with 1 or 2, then it is routed to Q193–Q202. If it is answered with 3 or 4, then it is routed to Q241–Q260. **Please be aware** that all these questions have been filtered by Q025=2, *i.e.*, respondents must have indicated sexual attraction to men!

Section filter: [If Q025=2, *i.e.*, respondents must have indicated sexual attraction to men]

[If Q192=3 or 4; *i.e.*, last sex involved at least two non-steady partners]

**IF LAST NON-STEADY SESSION WAS WITH MULTIPLE PARTNERS (1).**

[Note: this page heading was not displayed on-screen]

Q241. Where did you have sex? [Introduced in EMIS-2017]

1=Your home

2=His home [not applicable for this answer, see Q193]

3=Someone else's home

4=A hotel room

5=In a club or backroom of a bar

6=A sauna

7=A porn cinema

8=A cruising location (street, roadside service area, park, beach, baths, lavatory)

9=Other answer

[If Q004!= 3 & Q192=3 or 4; *i.e.*, last sex involved at least two non-steady partners; trans women were not shown this multiple-choice question]

**Q243–Q253.** Where did you first meet them? (Tick as many as apply)

Q243. A gay community centre, gay organisation or gay social group

Q244. A gay café or gay bar

Q245. A gay disco or nightclub

Q246. A backroom of a bar, gay sex club, a public gay sex party

Q247. A gay sex party in a private home

Q248. A gay sauna

Q249. A porn cinema

Q250. A cruising location (street, roadside service area, park, beach, baths, lavatory)

Q251. On my mobile phone (or other GPS enabled device)

Q252. Elsewhere on the internet

Q253. Elsewhere

[If Q192= 3 or 4; *i.e.*, only shown to people with at least two non-steady partners during last sex]

**Q254.** Have you had sex with any of them before (on a different occasion)?

- 1=No, they were all new to me
- 2=Yes, one time with one or more of them
- 3=Yes, more than one time with one or more of them

[If Q192= 3 or 4; *i.e.*, only shown to people with at least two non-steady partners during last sex]

**Q255.** What did you tell them about your HIV status before or during sex?

- 1=I told them I didn't know my HIV status
- 2=I told them I was HIV negative
- 3=I told them I was HIV positive
- 4=I said nothing about my HIV status
- 5=I don't remember
- 6=I told them I was on PrEP [Introduced in EMIS-2024]

[If Q255=2]

**Q256.** What did you tell them about your PrEP use? [Introduced in EMIS-2017]

- 1=I told them I was on PrEP
- 2=I told them I was **not** on PrEP
- 3=I did not tell them whether I was on PrEP or not

[If Q255=3]

**Q257.** What did you tell them about your viral load? [Introduced in EMIS-2017]

- 1=I told them I was undetectable
- 2=I told them I was detectable
- 3=I told them nothing about my viral load

[If Q192= 3 or 4; *i.e.*, only shown to people with at least two non-steady partners during last sex]

**Q258.** What did you know or think about their HIV statuses before having sex?

- 1=I assumed they were all HIV negative
- 2=I knew they were all HIV negative
- 3=I assumed they were all HIV positive
- 4=I knew they were all HIV positive
- 5=I assumed they had different HIV statuses
- 6=I knew they had different HIV statuses
- 7=I don't remember
- 8=I didn't have any thoughts about their HIV statuses

[If Q258=1,2,5 or 6]

**Q259.** Did any of them tell you they were on PrEP? [Introduced in EMIS-2017]

- 1=No
- 2=Yes
- 3=I don't know / I don't remember

[If Q258=3,4,5 or 6]

**Q260.** Did any of them tell you they had undetectable viral load? [Introduced in EMIS-2017]

- 1=No
- 2=Yes
- 3=I don't know / I don't remember

[End Section Filter]

## PAYING AND BEING PAID FOR SEX WITH MEN

[If Q025=2 & Q172=2; by **error** only shown to participants attracted to men, see **Technical Errors**]

**Q299.** When was the last time **you paid a man** to have sex with you. By paid we mean you gave him money, drugs, gifts or favours in return for sex. [Introduced in EMIS-2017]

[Recency scale]

[If Q299<=5; *i.e.*, only shown to those who paid for sex within previous 12 months]

**Q300.** In the last 12 months, how often have **you paid a man** to have sex with you?

1=1-2 times

2=3-10 times

3=11-50 times

4=More than 50 times

[If Q025=2 & If Q172=2; by **error** only shown to participants attracted to men, see **Technical Errors**]

**Q301.** When was the last time **you were paid** by a man to have sex with him. By paid we mean he gave you money, drugs, gifts or favours in return for sex? [Introduced in EMIS-2017]

[Recency scale]

[If Q301<=5; *i.e.*, only shown to those who were paid for sex within previous 12 months]

**Q302.** In the last 12 months how often have **you been paid by a man** to have sex with him?

1=1-2 times

2=3-10 times

3=11-50 times

4=More than 50 times

## ABOUT SEX WITH WOMEN

[Definition of [sex](#), see Section 6.3]

[If Q026=2; by **error** only shown to participants attracted to women, see **Technical Errors** and **Next Page!**]

**Q303.** When did you last have any kind of sex with a woman? [

[Recency scale]

[If Q303<=5; *i.e.*, only shown to those reporting any kind of sex with a woman within previous 12 months]

[Definition of [intercourse](#), see Section 6.3]

**Note:** In the following variable (**Q304**), **-1=Not answered**, **0=None**

[If Q303<=5; *i.e.*, only shown to those reporting any kind of sex with a woman within previous 12 months]

**Q304.** How many different women, have you had intercourse with in the last 12 months?

0=None

1=1

2=2

[...]

9=9

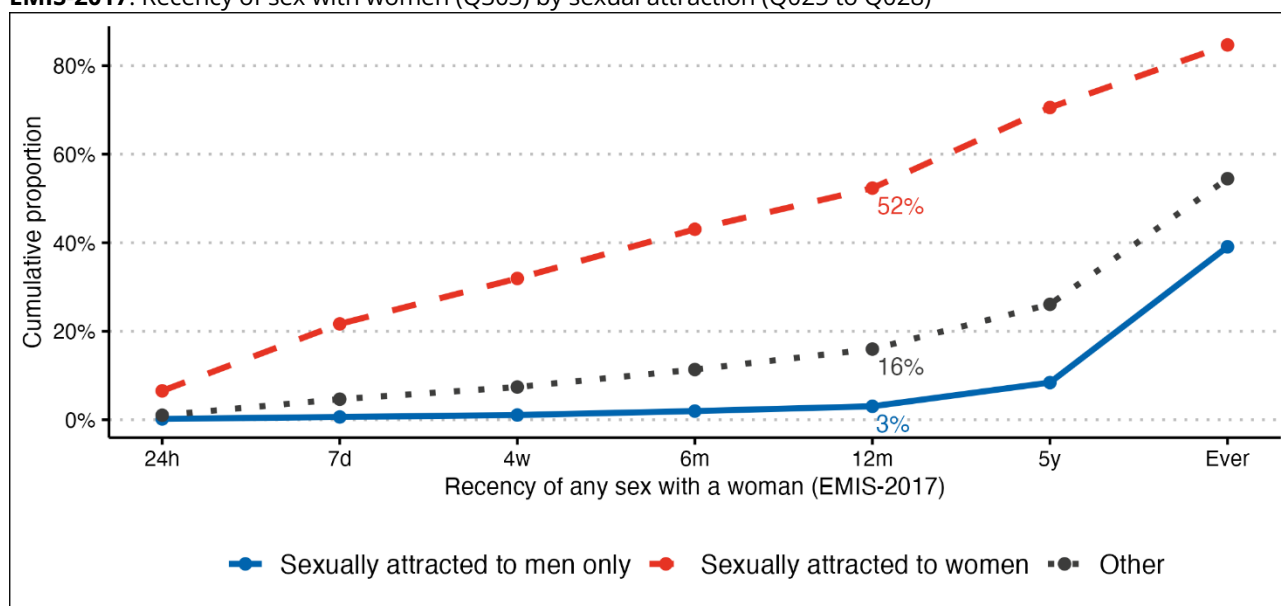
10=10 or more

Due to an **error in EMIS-2024**, and in contrast to previous waves, questions Q303 and Q304 were only displayed to participants who reported sexual attraction to women (Q026 = 2). As a result, information on the recency of sex with women was not collected from participants who were not attracted to women. While this limits both the completeness and comparability of the data, findings from **EMIS-2017** suggest that very few of these participants reported recent sexual activity with women, as illustrated in the figure and table below.

In **EMIS-2017** (excluding countries not included in EMIS-2024), only 3% of participants who reported exclusive attraction to men had had any sex with women in the previous 12 months, and just 2.5% had had intercourse with women—mostly with one woman, rarely with two, and very rarely with more than two. This group represented 82% of the EMIS-2017 sample. Among participants who reported being attracted to non-binary people or to no one, 16% reported having had sex with women in the past 12 months, and 13.7% reported having had intercourse with (mostly 1–2 women) during that time. However, this group represented only 2.2% of the EMIS-2017 sample.

**Therefore, although the omission in EMIS-2024 is unfortunate, its impact on overall estimates concerning recent sex with women is likely minimal.**

**EMIS-2017: Recency of sex with women (Q303) by sexual attraction (Q025 to Q028)**



**EMIS-2017: Q304 by sexual attraction (Q025 to Q028)**

Number of female intercourse partners, previous 12 months	Sexually attracted to:		
	Men only (100%, N = 103,442)	Women (100%, N = 20,097)	Other (100%, N = 2,725)
0	97.5%	51.3%	86.3%
1	1.9%	29.2%	7.7%
2	0.3%	8.2%	2.6%
3	0.1%	4.1%	1.5%
4	0%	1.9%	0.5%
5	0.1%	1.6%	0.5%
6	0%	0.8%	0.2%
7	0%	0.4%	0%
8	0%	0.4%	0%
9	0%	0.1%	0.1%
10 or more	0.1%	2.1%	0.5%
<i>Mean</i>	<i>0.04</i>	<i>1.06</i>	<i>0.29</i>

The following variables combine the number male (Q174A, Q183) and female (Q304) sexual partners. [Due to a technical error, the question regarding the number of female partners was only displayed to respondents who indicated an attraction to women (Q026=2). As a result, the overall partner counts may slightly underestimate the total number of partners. It remains possible that MSM or trans individuals not attracted to women nonetheless had sexual intercourse with women in the past 12 months. See the table and figure above, based on EMIS-2017 data, for comparison.]

**partnerN.** Overall number of sexual partners in the previous 12 months (does not account for female non-penetrative sex partners)

- 0=None
- 1=1
- 2=2
- [...]
- 10=10
- 11=11-20
- 12=21-30
- 13=31-40
- 14=41-50
- 15=More than 50

**partnerNcut.** DERIVED VARIABLE. Overall number of sexual partners in the previous 12 months, cut at 11+.

- 0=None
- 1=1
- 2=2
- [...]
- 10=10
- 11=More than 10

**partnerNgroup.** DERIVED VARIABLE. Overall number of sexual partners in the previous 12 months, grouped.

- 0=None
- 1=1
- 2=2-5
- 3=6-10
- 4=More than 10

**partnerNgroup2.** DERIVED VARIABLE. Overall number of sexual partners in the previous 12 months, grouped

- 1=1 (or No sex partners, or missing answer)
- 2=2-4
- 3=5-7
- 4=8-10
- 5=11-20
- 6=21-30
- 7=31-40
- 8=41-50
- 9=More than 50

**partner10.** DERIVED VARIABLE. Dichotomised overall number of sexual partners in the previous 12 months

- 1=Up to 10 sex partners
- 2=More than 10 sex partners

## DID YOU KNOW THIS ABOUT HIV TRANSMISSION

**Q306–Q308.** The following three statements are all TRUE. **Did you know this already?**

[Knowledge response set]

**Q306.** HIV **cannot** be passed during kissing, including deep kissing, because saliva does not transmit HIV.

[If Q004=1 & Q006=1 | Q004=5 & Q006=1 & Q451AMAB\_1=2 | Q004=3 & Q006=1 & Q451AMAB\_1=2]; *i.e.*, only shown to cis men or other people with a penis since birth]

**Q307.** You **can** pick up HIV through your penis while being 'active' in anal or vaginal sex (fucking) without a condom, even if you don't ejaculate.

[(If Q004=5 & Q006=2 | Q004=1 & Q006=2) & (Q451AFAB\_3=2 | Q451AFAB\_4=2); *i.e.*, different wording shown to AFAB people with metoidioplasty or phalloplasty].

**^Q307.** You can pick up HIV through your penis while being active in anal or vaginal sex (fucking) without a condom ("**even if you don't ejaculate" was removed**).

[If Q004=1 & Q006=1 | Q451AMAB\_1=2 | Q451AFAB3\_3=2 | Q451AFAB\_4=2; *i.e.*, only shown to cis men and other AMAB people with a penis and AFAB people with metoidioplasty or phalloplasty]

**Q308.** You can pick up HIV through your rectum while being 'passive' during sex (being fucked).

[If Q451AMAB\_3=2 | Q451AFAB\_1=2; *i.e.*, different wording shown to AMAB people with a neo-vagina and to AFAB people with a vagina]

**^Q308.** You can pick up HIV through your rectum/**vagina** while being 'passive' during sex (being fucked).

## DID YOU KNOW THIS ABOUT STI TRANSMISSION

**Q310–Q312.** The following three statements are all TRUE. **Did you know this already?**

[Knowledge response set]

**Q310.** Most sexually transmitted infections can be passed on more easily than HIV.

**Q311.** Because they sometimes have no symptoms, people can have sexually transmitted infections without knowing it. [Introduced in EMIS-2017]

**Q312.** The correct use of condoms throughout intercourse reduces the likelihood of picking up and passing on STIs (including HIV). [Introduced in EMIS-2017]

## ABOUT YOUR ACCESS TO CONDOMS

**Q314–Q323.** Where have you got condoms from in the last 12 months? (Tick all that apply) [Introduced in EMIS-2017]

Q314. I bought them online

Q315. I bought them at a physical shop (not online)

Q316. I bought them from a vending machine

Q317. I received them for free from clinics

Q318. I received them for free from gay/LGBTQ+ bars/clubs

Q319. I received them for free from saunas

Q320. I received them for free from gay/LGBTQ+ or HIV community organisations

Q321. I received them from friends/sex partners

Q322. Other answer

**Q323.** I did not get condoms in the last 12 months

## HOW YOU'VE BEEN FEELING RECENTLY

**Q327–Q331.** Over the last 2 weeks, how often have you been bothered by the following problems?

**Q327.** Feeling nervous, anxious or on edge [Introduced in EMIS-2017]

- 1=not at all
- 2=some days
- 3=more than half the days
- 4=nearly every day

**Q328.** Not being able to stop or control worrying [Introduced in EMIS-2017]

- 1=not at all
- 2=some days
- 3=more than half the days
- 4=nearly every day

**Q329.** Little interest or pleasure in doing things [Introduced in EMIS-2017]

- 1=not at all
- 2=some days
- 3=more than half the days
- 4=nearly every day

**Q330.** Feeling down, depressed, or hopeless [Introduced in EMIS-2017]

- 1=not at all
- 2=some days
- 3=more than half the days
- 4=nearly every day

### Q330\_PHQ4. DERIVED VARIABLE.

Patient Health Questionnaire-4. [Items Q327–Q330 form a combined measure of anxiety and depression, PHQ-4.<sup>2</sup>

All 4 items must have an answer. Scoring: not at all=0; several days=1; more than half the days=2; nearly every day=3.

Sum the 4 scores: 0–2 Normal; 3–5 Mild; 6–8 Moderate; 9–12 Severe.]

- 1=Normal
- 2=Mild
- 3=Moderate
- 4=Severe

**Q331.** Thoughts that you would be better off dead, or of hurting yourself in some way. [Introduced in EMIS-2017. This scale is a version of the Primary Care Evaluation of Mental Disorders (PRIME-MD). The PHQ-9 is a diagnostic tool specifically for depression. This scale scores each of the 9 criteria in the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV) according to the mood module of the PRIME-MD.]

- 1=not at all
- 2=some days
- 3=more than half the days
- 4=nearly every day

**\*Q331A.** Thoughts about taking your own life.

- 1=not at all
- 2=some days
- 3=more than half the days
- 4=nearly every day

**SUICIDE HOTLINES INFORMATION** [tailored to each country. *Note*: Page headings were not displayed on screen]

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<sup>2</sup> Kroenke K, Spitzer RL, Williams JBW, Löwe B (2009) An ultra-brief screening scale for anxiety and depression: the PHQ-4 *Psychosomatics*, 50, 613-621

## ABOUT USING VARIOUS SUBSTANCES

How long has it been since you last consumed the following substances in any context. Please say when you last did something, even if this was not typical for you.

**Q332.** When was the last time you consumed **alcohol**?

[Recency scale]

**Q333.** When was the last time you consumed **tobacco products**?

[Recency scale]

**Q334.** When was the last time you consumed **poppers** (nitrite inhalants)?

[Recency scale]

## ABOUT USING VARIOUS SUBSTANCES [2]

[If Q004=1 & Q006=1 | Q451AMAB\_1=2 | Q451AFAB\_3=2; *i.e.*, only shown to cis men and other AMAB people with a penis and AFAB people with metoidioplasty]

**Q335.** When was the last time you consumed **Viagra®, Cialis®, Levitra® or other substances** that help to get or keep an erection?

[Recency scale]

**Q336.** When was the last time you consumed sedatives or tranquilizers (**Valium®, Rivotril®, Rohypnol®, Xanax®, Seduxen®, Phenazepam®**)?

[Recency scale]

**Q337.** Have you EVER taken any other recreational or illicit drugs?

1=No, 2=Yes

## ABOUT OTHER SUBSTANCES YOU MAY HAVE CONSUMED

How long has it been since you last consumed the following substances in any context. Please say when you last did something, even if this was not typical for you.

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q338.** When was the last time you consumed **cannabis (hashish, marijuana)**?

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q339.** When was the last time you consumed **synthetic cannabinoids (e.g., Spice, K2, herbal incense)**? [Introduced in EMIS-2017]

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q340.** When was the last time you consumed **ecstasy (E, XTC, MDMA) (as a pill, crystal or powder)**?

[Recency scale]

**ABOUT OTHER SUBSTANCES YOU MAY HAVE CONSUMED [cont.]**

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q342.** When was the last time you consumed **amphetamine (speed)**?

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q343.** When was the last time you consumed **crystal methamphetamine (crystal, meth, Tina, Pervitin)**?

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q344.** When was the last time you consumed **heroin or related drugs** (poppy straw, kompot, fentanyl)?

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q345.** When was the last time you consumed **mephedrone (4-MMC, meow, methylene, bubbles)**?

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q346.** When was the last time you consumed **synthetic stimulants other than mephedrone (e.g., MXE, bathsalts, 3-MMC, 4-MEC, 4\_FA, XTC-light)**? [Introduced in EMIS-2017]

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**\*Q346A.** When was the last time you consumed **Alpha PhP**?

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q347.** When was the last time you consumed **GHB/GBL (liquid ecstasy)**?

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q348.** When was the last time you consumed **ketamine (special K)**?

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q349.** When was the last time you consumed **LSD (acid)**?

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q350.** When was the last time you consumed **cocaine**?

[Recency scale]

[If Q337=2; *i.e.*, only shown to people who ever took illicit recreational drugs]

**Q351.** When was the last time you consumed **crack cocaine**?

[Recency scale]

## ABOUT INJECTING

[If Q006= 1; *i.e.*, only shown to AMAB people, to not get transmasculine individuals confused with gender-confirming hormones]

**Q352.** Have you ever injected anabolic steroids (testosterone), or had someone else inject into you?

1=No, never

2=Yes, within the last 12 months

3=Yes, more than 12 months ago

**Q353.** Have you ever injected any drug to get high (other than anabolic steroids or prescribed medicines), or had someone else inject into you?

1=No, never

2=Yes, within the last 12 months

3=Yes, more than 12 months ago

[If Q353=2]

**Q354.** In the last 12 months how many times have you injected any drug other than anabolic steroids or medicines, or had someone else inject into you? [Introduced in EMIS-2017]

1=1

2=2

[...]

9=9

10=10 or more

[If Q353=2]

**Q355–Q364.** Which drugs have you injected or had injected into you in the last 12 months? (Tick all that apply)

[Introduced in EMIS-2017]

Q355. Ecstasy (E, XTC, MDMA)

Q356. Amphetamine (speed)

Q357. Crystal methamphetamine (crystal, meth, Tina, Pervitin)

Q358. Heroin or related drugs (poppy straw, kompot, fentanyl)

Q359. Mephedrone (4-MMC, meow, methylone, bubbles)

Q360. Synthetic stimulants other than mephedrone (eg. MXE, bathsalts, 3-MMC, 4-MEC, 4\_FA, XTC-light)

Q361. Ketamine (special K)

\*Q361A Alpha PhP

Q362. Cocaine

Q363. Crack cocaine

Q364. I've injected drugs but I don't know which drugs

[If Q352>1 | Q353>1; *i.e.*, only shown to everyone who ever injected, regardless whether illicit recreational drugs or steroids]

**Q365.** When was the last time you injected with a used needle or syringe given, lent, rented or sold to you by someone else? [Introduced in EMIS-2017]

[Recency scale]

## ABOUT COMBINING SEX AND SUBSTANCES

**Q366.** When was the last time you had sober sex (that is, NOT under the influence of alcohol or any other drug)?

[Introduced in EMIS-2017]

[Recency scale]

[If Q174A<=5 | Q174B<=5; *i.e.*, only shown to people reporting **any kind of sex with a man** in previous 12 months]

**Q367.** In the last 12 months, how much of the sex you've had with men has been under the influence of alcohol or any other drug? [Introduced in EMIS-2017]

- 1=None of it
- 2=Almost none of it
- 3=Less than half
- 4=About half
- 5=More than half
- 6=Almost all of it
- 7=All of it

[If Q337=2, *i.e.*, ever used an illicit recreational drug]

**Q368.** When was the last time you used stimulant drugs to make sex more intense or last longer? (Note: The stimulant drugs include ecstasy/MDMA, cocaine, amphetamine (speed), crystal methamphetamine (Tina, Pervitin), mephedrone, ketamine, and *Alpha PhP.*) [Introduced in EMIS-2017]

[Recency scale]

**chems4.** DERIVED VARIABLE.

Using the 4-chems (GHB/GBL, Mephedrone, Ketamin, or Crystal Methamphetamin in the past 4 weeks.

- 0=Not answered
- 1=Not used
- 2=Used

[If Q368<=5, *i.e.*, chemsex in the previous 12 months]

**Q369.** When was the last time you combined stimulant drugs and sex with more than one man at the same time?

[Introduced in EMIS-2017]

[Recency scale]

[If Q369<=5, *i.e.*, multi-partner chemsex in previous 12 months]

**Q370.** Where did that most recent sex with stimulants and multiple partners take place? [Introduced in EMIS-2017]

- 1=Your home
- 2=Someone else's home
- 3=A hotel room
- 4=In a club or backroom of a bar
- 5=A sauna
- 6=A porn cinema
- 7=A cruising location (street, roadside service area, park, beach, baths, lavatory)
- 8=Other answer

[If Q369<=5, *i.e.*, multi-partner chemsex in previous 12 months]

**Q372.** For how many years have you been combining stimulant drugs and multiple sexual partners? [Introduced in EMIS-2017]

- 1=Less than one year
- 2=Less than 2 years
- [...]
- 9=Less than 9 years
- 10=About 10 years
- 11=More than 10 years

## CONCERN ABOUT DRUGS

[If Q334<=5 | Q336<=5 | Q338<=5 | Q339<=5 | Q340<=5 | Q342<=5 | Q343<=5 | Q344<=5 | Q345<=5 | Q346<=5 | Q346A<=5 | Q347<=5 | Q348<=5 | Q349<=5 | Q350<=5 | Q351<=5. *i.e.*, Any of the following drugs in previous 12 months: poppers, sedatives, cannabis, synthetic cannabinoids, ecstasy pills, ecstasy powder, amphetamine, crystal methamphetamine, heroin, mephedrone, synthetic stimulants other than mephedrone, alpha PhP, GHB/GBL, ketamine, LSD, cocaine, crack.]

**Q373.** Do you disagree or agree with the following statement: I worry about my recreational drug use.

1=Strongly disagree

2=Disagree

3=Neither / not sure

4=Agree

5=Strongly agree

6=I don't take drugs

[If Q334<=5 | Q336<=5 | Q338<=5 | Q339<=5 | Q340<=5 | Q342<=5 | Q343<=5 | Q344<=5 | Q345<=5 | Q346<=5 | Q346A<=5 | Q347<=5 | Q348<=5 | Q349<=5 | Q350<=5 | Q351<=5. *i.e.*, Any of the following drugs in previous 12 months: poppers, sedatives, cannabis, synthetic cannabinoids, ecstasy pills, ecstasy powder, amphetamine, crystal methamphetamine, heroin, mephedrone, synthetic stimulants other than mephedrone, alpha PhP, GHB/GBL, ketamine, LSD, cocaine, crack.]

**Q374.** Have you **ever** consulted a health professional for your drug use concerns (apart from tobacco use)?

[Introduced in EMIS-2017. Note: On-screen the option 'No, never' was presented first.]

[Recency scale]

[If Q334<=5 | Q336<=5 | Q338<=5 | Q339<=5 | Q340<=5 | Q342<=5 | Q343<=5 | Q344<=5 | Q345<=5 | Q346<=5 | Q346A<=5 | Q347<=5 | Q348<=5 | Q349<=5 | Q350<=5 | Q351<=5. *i.e.*, any of the following drugs in previous 12 months: poppers, sedatives, cannabis, synthetic cannabinoids, ecstasy pills, ecstasy powder, amphetamine, crystal methamphetamine, heroin, mephedrone, synthetic stimulants other than mephedrone, alpha PhP, GHB/GBL, ketamine, LSD, cocaine, crack.]

**Q375.** Have you **ever** attended a self-help group, harm reduction programme or counsellor about your drug use (apart from tobacco use)? [Introduced in EMIS-2017. Note: On-screen the option 'No, never' was presented first.]

[Recency scale]

## CONCERN ABOUT ALCOHOL

[Q332<=5, *i.e.*, only shown to people who consumed alcohol within the previous 12 months]

**Q376–Q379.** Thinking about drinking alcohol in the past 12 months...

**Q376.** Have you tried to cut down on your drinking? [Introduced in EMIS-2017]

1=No, 2=Yes

**Q377.** Have people annoyed you by criticising your drinking? [Introduced in EMIS-2017]

1=No, 2=Yes

**Q378.** Have you felt bad or guilty about your drinking? [Introduced in EMIS-2017]

1=No, 2=Yes

**Q379.** Have you taken a drink first thing in the morning to steady your nerves or get rid of a hangover? [Introduced in EMIS-2017]

1=No, 2=Yes

[Q332<=5, *i.e.*, only shown to people who consumed alcohol within the previous 12 months]

**Q379\_CAGE4.** DERIVED VARIABLE.

CAGE-4 Indicator of alcohol dependency.

[The four items above form the CAGE 4-item measure by Shields and Caruso (2004)<sup>3</sup>.

Two or more 'Yes' responses indicate possible alcohol dependency.

This derived variable combines the 4 responses to give a binary indicator of alcohol dependency.

Those who drank no alcohol in the previous 12 months are coded as 'Not alcohol dependent'. CAGE4 is an acronym that refers to the initials of the four topics of the questions asked in English: *Cut down, Annoyed, Guilt and Eye-opener*. This questionnaire is widely used in both clinical and non-clinical settings. The CAGE4 is highly reliable in identifying lifetime alcohol abuse and dependence (drinking disorders) in different populations.]

0=Missing CAGE-4 measure

1=Not alcohol dependent

2=Alcohol dependent

[Q332<=5, *i.e.*, only shown to people who consumed alcohol within the previous 12 months]

**Q380.** Have you **ever** consulted a health professional for your alcohol use concerns? [Introduced in EMIS-2017]

[Recency scale]

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<sup>3</sup> Shields AL & Caruso JC (2004). A Reliability Induction and Reliability Generalization Study of the CAGE Questionnaire. *Educational and Psychological Measurement*, 64(2): 254–270. <https://doi.org/10.1177/0013164403261814>

## ABOUT STIGMA, DISCRIMINATION, HOMOPHOBIC INTIMIDATION AND ASSAULT

[If Q004=1 & Q006=1; i.e., only shown to cis men]

**Q381–Q388, Q397A–399B.** Please say when something last happened, even if this was not typical for you.

[Recency scale]

**Q381** Have you **ever** felt excluded from family activities because you have sex with men?

**Q382.** Have you **ever** felt that family members have made discriminatory remarks or gossiped about you because you have sex with men?

**Q383.** Have you **ever** felt rejected by your friends because you have sex with men?

**Q384.** Have you **ever** felt afraid to go to health care services because you worry someone may learn you have sex with men?

**Q385.** Have you **ever** avoided going to health care services because you worry someone may learn you have sex with men?

**Q386.** Have you **ever** felt that you were not treated well in a health center because someone knew that you have sex with men?

**Q387.** Have you **ever** heard health care providers gossiping about you (talking about you) because you have sex with men?

**Q388.** Have you **ever** felt that the police refused to protect you because you have sex with men?

**\*Q397A.** Have you **ever** felt scared to be in public places because someone knew or presumed you are attracted to men?

**\*Q398A.** Have you **ever** been verbally harassed because someone knew or presumed you are attracted to men?  
[wording has changed from Q398]

**Q399.** Has **ever** someone physically hurt you (pushed, shoved, slapped, hit, kicked, choked or otherwise physically hurt you) because someone knew or presumed you are attracted to men?

[wording has only slightly changed compared to the 2010/2017 versions]

**\*Q399A.** Have you **ever** been blackmailed by someone because someone knew or presumed you are attracted to men?

**\*Q399B.** Has **ever** someone forced you to have sex when you did not want to? (By forced, we mean physically forced, coerced to have sex, or penetrated with an object, when you did not want to).

## Community Stress<sup>4</sup>

**\*Sex subscale** [Note: Page headings were not displayed on screen]

[If Q004=1 & Q006=1; i.e., only shown to cis men]

**\*Q423–Q428.** Do you disagree or agree with the following statements on a scale of strongly disagree to strongly agree? Please do not spend too much time thinking about any one statement

[‘5 point Disagree–agree’ response set]

**\*Q423.** The mainstream gay community values sex over meaningful relationships.

**\*Q424.** It is difficult to maintain a romantic relationship in the mainstream gay community.

**\*Q425.** The mainstream gay community is overly focused on sex.

**\*Q426.** In the mainstream gay community, everyone has sex with each other.

**\*Q427.** The mainstream gay community is overly preoccupied with hook-up/dating apps.

**\*Q428.** In the mainstream gay community, there is a lot of risky sex.

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<sup>4</sup> The concept was assessed with three subscales taken from Pachankis JE, Clark KA, Burton CL, Hughto JMW, Bränström R, & Keene DE (2020). Sex, status, competition, and exclusion: Intraminority stress from within the gay community and gay and bisexual men's mental health. *Journal of personality and social psychology*; 119(3): 713–740.

**\*Competition subscale** [Note: Page headings were not displayed on screen]

[If Q004=1 & Q006=1; i.e., only shown to cis men]

**\*Q429-Q434.** Do you disagree or agree with the following statements on a scale of strongly disagree to strongly agree? Please do not spend too much time thinking about any one statement

['5 point Disagree–agree' response set]

**\*Q429.** The mainstream gay community is overly gossipy.

**\*Q430.** The mainstream gay community has a culture of competition and jealousy.

**\*Q431.** The mainstream gay community is overly cliquey.

**\*Q432.** In the mainstream gay community, there is a lot of mistrust among friends.

**\*Q433.** The mainstream gay community is overly judgmental.

**\*Q434.** The mainstream gay community is overly materialistic.

**\*Exclusion subscale** [Note: Page headings were not displayed on screen]

[If Q004=1 & Q006=1; i.e., only shown to cis men]

**\*Q435-Q441.** Do you disagree or agree with the following statements on a scale of strongly disagree to strongly agree? Please do not spend too much time thinking about any one statement

['5 point Disagree–agree' response set]

**\*Q435.** The mainstream gay community is racist.

**\*Q436.** The mainstream gay community sexually objectifies men of colour.

**\*Q437.** The mainstream gay community discriminates against its members who have HIV/AIDS.

**\*Q438.** The mainstream gay community overly values physically fit bodies.

**\*Q439.** The mainstream gay community overly values penis size

**\*Q440.** The mainstream gay community overly values being masculine.

**\*Q441.** The mainstream gay community sees older men as less desirable.

## HOW COMFORTABLE ARE YOU WITH HOMOSEXUALITY

[If Q004=1 & Q006=1; i.e., only shown to cis men]

**Q390–Q396.** Do you disagree or agree with the following statements on a scale of 1 Strongly disagree to 7 Strongly agree? Please do not spend too much time thinking about any one statement. (Tick one answer in each row) [Items were randomly rotated in on-screen presentation]

[7 point Disagree–agree with does-not-apply]

**Q390.** I feel comfortable in gay bars/bars that are frequented by gay men.

**Q391.** Social situations with gay men make me feel uncomfortable.

**Q392.** I feel comfortable being seen in public with an obviously gay person.

**Q393.** I feel comfortable discussing homosexuality in a public situation.

**Q394.** I feel comfortable being a homosexual man.

**Q395.** Homosexuality is morally acceptable to me.

**Q396.** Even if I could change my sexual orientation, I wouldn't.

### **Q390\_Q396\_SIHS.** DERIVED VARIABLE: Short Internalised Homonegativity Scale.<sup>5</sup>

[Taken together the seven items Q390–Q396 form a single scale measuring 'internalised homonegativity'. The scale has been computed by: rescaling the items from 1–7 to 0–6; reversing the values for items Q390, Q392, Q393, Q394, Q395 and Q396; and taking the mean value for the 7 items. The scale therefore ranges from 0 to 6. The scale can only be computed if all 7 items were rated. Cases responding 'Does not apply to me' or with missing data for any of the 7 items do not have an internalised homonegativity scale. For this variable only, missing answers are indicated by -1. People not eligible for this question are coded as -2.

The **SIHS should be treated strictly as a continuous variable**. Therefore, it is not appropriate to report results for individual items (except when describing the psychometric properties of the scale) or to create categories, such as low, medium, or high. In the analysis, the mean IH value can be presented (although a more conservative criterion may be to report medians when the IH value has non-normal distribution). Also, since the scale range is 0 to 6, differences between groups of individuals or countries are more visible at the decimal level and not by whole number comparisons. In other words, decimals are important when examining differences in IH.]

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<sup>5</sup> Tran H, Ross MW, Diamond PM, Berg RC, Weatherburn P, Schmidt AJ (2018). Structural Validation and Multiple Group Assessment of the Short Internalized Homonegativity Scale in Homosexual and Bisexual Men in 38 European Countries: Results From the European MSM Internet Survey. *J Sex Res*; 55(4–5):617–629. doi: 10.1080/00224499.2017.1380158

## ABOUT STIGMA, DISCRIMINATION, TRANSPHOBIC INTIMIDATION AND ASSAULT

[If Q443=2; *i.e.*, only shown to people who identify as part of the trans community]

**^Q454.** Have you ever been rejected sexually by a man because you are transgender?

- 1=Always
- 2=Most of the time
- 3=Half of the time
- 4=Rarely
- 5=Never

[If Q004=1 & Q006=2 | Q004=3 & Q006=1 | Q004=5 & Q443=2; *i.e.*, only shown to trans men, trans women, and non-binary people who identify as part of the trans community]

**^Q381TransV–Q386TransV, ^Q397ATransV–Q399BTransV.** Please say when something last happened, even if this was not typical for you.

[Recency scale]

**^Q381TransV.** Have you **ever** felt excluded from family activities because you are transgender?

**^Q382TransV.** Have you **ever** felt that family members have made discriminatory remarks or gossiped about you because you are transgender?

**^Q383TransV.** Have you **ever** felt rejected by your friends because you are transgender?

**^Q384TransV.** Have you **ever** felt afraid to go to health care services because you worry someone may learn you are transgender?

**^Q385TransV.** Have you **ever** avoided going to health care services because you worry someone may learn you are transgender?

**^Q386TransV.** Have you **ever** felt that you were not treated well in a health center because someone knew that you are transgender?

**^Q387TransV.** Have you **ever** heard health care providers gossiping about you (talking about you) because you are transgender?

**^Q388TransV.** Have you **ever** felt that the police refused to protect you because you are transgender?

**^Q397ATransV.** Have you **ever** felt scared to be in public places because someone knew or presumed you are transgender?

**^Q398ATransV.** Have you **ever** been verbally harassed because someone knew or presumed you are transgender?

**^Q399TransV.** Has ever someone physically hurt you (pushed, shoved, slapped, hit, kicked, choked or otherwise physically hurt you) because someone knew or presumed you are transgender?

**^Q399ATransV.** Have you **ever** been blackmailed by someone because someone knew or presumed you are transgender?

**^Q399BTransV.** Has ever someone forced you to have sex when you did not want to? (By forced, we mean physically forced, coerced to have sex, or penetrated with an object, when you did not want to).

### Competition subscale [Page headings were not displayed on screen]<sup>6</sup>

[If Q004=1 & Q006=2 | Q004=3 & Q006=1 | Q004=5 & Q443=2; *i.e.*, only shown to trans men, trans women, and non-binary people who identify as part of the trans community]

**^Q429TransV–Q434TransV.** Do you disagree or agree with the following statements on a scale of strongly disagree to strongly agree? Please do not spend too much time thinking about any one statement.

[‘5 point Disagree–agree’ response set]

**^Q429TransV.** The mainstream transgender community is overly gossipy.

**^Q430TransV.** The mainstream transgender community has a culture of competition and jealousy.

**^Q431TransV.** The mainstream transgender community is overly cliquey.

**^Q432TransV.** In the mainstream transgender community, there is a lot of mistrust among friends.

**^Q433TransV.** The mainstream transgender community is overly judgmental.

**^Q434TransV.** The mainstream transgender community is overly materialistic.

<sup>6</sup> The transgender version of this subscale was modelled after the original Competition subscale (Pachankis *et al.*, 2020, see above) intended for MSM. In order tailor the subscale to transgender respondents, the term “gay” was replaced with “transgender”.

### Exclusion subscale [Note: Page headings were not displayed on screen]<sup>7</sup>

[If Q004=1 & Q006=2 | Q004=3 & Q006=1 | Q004=5 & Q443=2; *i.e.*, only shown to trans men, trans women, and non-binary people who identify as part of the trans community]

**^Q435TransV, ^Q437TransV, ^Q463.** Do you disagree or agree with the following statements on a scale of strongly disagree to strongly agree? Please do not spend too much time thinking about any one statement.

[‘5 point Disagree–agree’ response set]

**^Q435TransV.** The mainstream transgender community is racist.

**^Q437TransV.** The mainstream transgender community discriminates against its members who have HIV/AIDS.

**^Q463.** In the mainstream LGBTQ+ community, there is lots of transphobia.

### Transgender identity comfortability [Note: Page headings were not displayed on screen]

[If Q004=1 & Q006=2 | Q004=3 & Q006=1 | Q004=5 & Q443=2; *i.e.*, only shown to trans men, trans women, and non-binary people who identify as part of the trans community]

**^Q456-Q462.** Do you disagree or agree with the following statements on a scale of 1 Strongly disagree to 7 Strongly agree? Please do not spend too much time thinking about any one statement. (Tick one answer in each row)

[‘7 point Disagree–agree’ response set with ‘does-not-apply’]

**^Q456.** I am proud of being a transgender person.

**^Q457.** I am comfortable revealing to others that I am transgender.

**^Q458.** I feel comfortable being out in public with transgender people.

**^Q459.** Being transgender makes me feel like a freak.

**^Q460.** I don’t mind being perceived as transgender.

**^Q461.** I often ask myself: why can’t I just be normal?

**^Q462.** I am comfortable with the reality that I am transgender.

### **^Q456\_Q462\_SITS.** DERIVED VARIABLE: Short Internalised Transnegativity Scale

[Taken together the seven items **Q456–Q462** form a single scale measuring internalised transnegativity’. The score has been computed by: rescaling the items from 1–7 to 0–6; reversing the scores for items Q459 and Q461; taking the mean score for the 7 items. The scale therefore ranges from 0 to 6. Scores can only be computed if all 7 items were rated. Cases responding ‘Does not apply to me’ or with missing data for any of the 7 items do not have an SITS. For this variable only, missing answers are indicated by -1. People not eligible for this question are coded as -2.

The **SITS should be treated strictly as a continuous variable**. Therefore, it is not appropriate to report results for individual items (except when describing the psychometric properties of the scale) or to create categories, such as low, medium, or high. In the analysis, the mean SITS can be presented (although a more conservative criterion may be to report medians when the SITS has non-normal distribution). Also, since the scale range is 0 to 6, differences between groups of individuals or countries are more visible at the decimal level and not by whole number comparisons. In other words, decimals are important when examining differences in SITS.]

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<sup>7</sup> For Transgender Exclusion subscale: The transgender version of this subscale was modelled after the original Exclusion subscale (Pachankis *et al.*, 2020, see above) intended for MSM. In order to tailor the subscale to transgender respondents, the term “gay” was replaced with “transgender” and the term “homophobia” was replaced with “transphobia”.

## A FINAL FEW THINGS ABOUT YOU

**Q400.** How many years have you spent in full-time education since the age of 16?

- 0=None
- 1=1
- 2=2
- [...]
- 9=9
- 10=10
- 11=More than 10

**Q400\_ISCED97.** DERIVED VARIABLE. If you wish to translate post-aged-16 education into the 1997 levels of the International Standard Classification of Education (ISCED-1997) which we used in EMIS-2010, you can consult a manual published by the Organisation for Economic Co-development and Development. It strongly differs by country. However very broadly speaking, 2-5 years of education beyond 16 years correspond to an ISCED-97 level three (upper secondary education); 6 years or more correspond to an ISCED-97 level five (first stage of tertiary education), and more than 10 years correspond to an ISCED-97 level 6 (second stage of tertiary education). Organisation for Economic Cooperation and Development: Classifying Educational Programmes. [Manual for ISCED-97 Implementation in OECD Countries](#). Paris, 1999.

**Q401.** Which of the following best describes your current occupation?

- 1=Employed full-time
- 2=Employed part-time
- 3=Self-employed
- 4=Unemployed
- 5=Student
- 6=Retired
- 7=Long-term sick leave / medically retired
- 8=Other

**Q402.** Which of these phrases would you say comes closest to your feelings about your income these days?

[Introduced in EMIS-2017]

- 1=Living really comfortably on present income
- 2= Living comfortably on present income
- 3=Neither comfortable nor struggling on present income
- 4=Struggling on present income
- 5=Really struggling on present income

**SEP.** DERIVED VARIABLE. Socioeconomic position, based on Q400 and Q402

- 1=Low (lower education & struggling on income) [lower education = less than tertiary]
- 2= Intermediate
- 3=High (higher education & living comfortably on present income) [higher education = tertiary]

## AND FINALLY...

**Q409.** Who is the sexiest man on the planet?

[Write in answer]

## 9. Country Response Set

**Q008** and **Q013** use the following country response set.

Countries in bold are those which had a regional question and response set (**Q010** – see [Section 11](#)). Countries underlined are those whose residents were invited to continue the survey but for which no regional question was asked. Men living in countries neither bolded nor underlined were served the exit text at **Q009**.

1=Afghanistan	<b>46=Denmark</b>	90=Kiribati
<b>2=Albania</b>	47=Djibouti	91=Korea, North
3=Algeria	48=Dominica	92=Korea, South
<u>4=Andorra</u>	49=Dominican Republic	<u>93=Kosovo (UNSCR 1244)</u>
5=Angola	50=Ecuador	94=Kuwait
6=Antigua and Barbuda	51=Egypt	95=Kyrgyzstan
7=Argentina	52=El Salvador	96=Laos
<b>8=Armenia [newly covered 2024]</b>	53=Equatorial Guinea	<b>97=Latvia</b>
9=Australia	54=Eritrea	98=Lebanon [covered in EMIS-2017]
<b>10=Austria</b>	<b>55=Estonia</b>	99=Lesotho
<b>11=Azerbaijan [newly covered 2024]</b>	56=Ethiopia	100=Liberia
12=Bahamas	57=Fiji	101=Libya
13=Bahrain	<b>58=Finland</b>	<u>102=Liechtenstein</u>
14=Bangladesh	<b>59=France</b>	<b>103=Lithuania</b>
15=Barbados	<b>60=France, Overseas Departm., Territories, Collectivities</b>	<b>104=Luxembourg</b>
16=Belarus [covered in EMIS-2010/17]	61=Gabon	<b>105=North Macedonia</b>
<b>17=Belgium</b>	62=Gambia	106=Madagascar
18=Belize	<b>63=Georgia [newly covered 2024]</b>	107=Malawi
19=Benin	<b>64=Germany</b>	108=Malaysia
20=Bhutan	65=Ghana	109=Maldives
21=Bolivia	<b>66=Greece</b>	110=Mali
<b>22=Bosnia and Herzegovina</b>	<u>67=Greenland</u>	<b>111=Malta</b>
23=Botswana	68=Grenada	112=Marshall Islands
24=Brazil	69=Guatemala	113=Mauritania
25=Brunei	70=Guinea	114=Mauritius
<b>26=Bulgaria</b>	71=Guinea-Bissau	115=Mexico
27=Burkina Faso	72=Guyana	116=Micronesia
28=Burundi	73=Haiti	<b>117=Moldova</b>
29=Cambodia	74=Honduras	<u>118=Monaco</u>
30=Cameroon	<b>75=Hungary</b>	119=Mongolia
31=Canada [covered in EMIS-2017]	<u>76=Iceland</u>	<b>120=Montenegro</b>
32=Cape Verde	77=India	121=Morocco
33=Central African Republic	78=Indonesia	122=Mozambique
34=Chad	79=Iran	123=Myanmar
35=Chile	80=Iraq	124=Namibia
36=China	<b>81=Ireland (Republic)</b>	125=Nauru
37=Colombia	<b>82=Israel</b>	126=Nepal
38=Comoros	<b>83=Italy</b>	<b>127=Netherlands</b>
39=Congo (Kinshasa)	84=Ivory Coast	128=New Zealand
40=Congo (Brazzaville)	85=Jamaica	129=Nicaragua
41=Costa Rica	86=Japan	130=Niger
<b>42=Croatia</b>	87=Jordan	131=Nigeria
43=Cuba	<b>88=Kazakhstan [newly covered 2024]</b>	<b>132=Norway</b>
<b>44=Cyprus</b>	89=Kenya	
<b>45=Czech Republic</b>	135=Palau	137=Panama
133=Oman	136=Palestine	138=Papua New Guinea
134=Pakistan		

139=Paraguay  
140=Peru  
141=Philippines [covered in EMIS-2017]  
**142=Poland**  
**143=Portugal**  
144=Puerto Rico  
145=Qatar  
**146=Romania**  
**147=Russia (Russian Federation)**  
148=Rwanda  
149=Saint Kitts and Nevis  
150=Saint Lucia  
151=Saint Vincent and the  
Grenadines  
152=Samoa  
153=San Marino  
154=Sao Tome and Principe  
155=Saudi Arabia  
156=Senegal  
**157=Serbia**  
158=Seychelles  
159=Sierra Leone  
160=Singapore  
**161=Slovakia**

**162=Slovenia**  
163=Solomon Islands  
164=Somalia  
165=South Africa  
**166=Spain**  
167=Sri Lanka  
168=Sudan (South-Sudan not  
considered in 2017 and 2024 by  
error)  
169=Suriname  
170=Swaziland  
**171=**  
  
**172=Switzerland**  
173=Syria  
174=Taiwan  
175=Tajikistan  
176=Tanzania  
177=Thailand  
178=Timor-Leste  
179=Togo  
180=Tonga  
181=Trinidad and Tobago  
182=Tunisia

**183=Türkiye**  
184=Turkmenistan  
185=Tuvalu  
186=Uganda  
**187=Ukraine**  
188=United Arab Emirates  
**189=UK, England**  
**190=UK, Northern Ireland**  
**191=UK, Scotland**  
**192=UK, Wales**  
**193=UK, British Overseas Territories, Crown  
Dependencies**  
194=United States of America  
195=Uruguay  
196=Uzbekistan  
197=Vanuatu  
198=Vatican City  
199=Venezuela  
200=Vietnam  
201=Western Sahara  
202=Yemen  
203=Zambia  
204=Zimbabwe

## 10. Region Response Sets

The regional question and response set (Q010) varied by country of residence. The response sets for Q010 were the only part of the survey not translated in the different language versions. This section therefore gives the region response sets as they appeared in all language versions.

In all Q010 response sets, -1 means the question was not asked (case did not live in that country) and 0 (numeric zero) means the question was not answered.

[If Q008=2; **ALBANIA**]

**Q010a.** Which county do you live in?

1=Berat	5=Fier	9=Lezhë
2=Dibër	6=Gjirokastër	10=Shkodër
3=Durrës	7=Korçë	11=Tirana
4=Elbasan	8=Kukës	12=Vlorë

[If Q008=10; **AUSTRIA**]

**Q010b\_PCA.** RECODED VARIABLE **Austrian Postal Code Areas**

**Q010b\_NUTS2.** DERIVED VARIABLE **Austrian Federal States** (approximated from PCAs; NUTS=*Nomenclature of Territorial Units for Statistics*)

1=Burgenland	4=Upper Austria	7=Tyrol
2=Carinthia	5=Salzburg	8=Vorarlberg
3=Lower Austria	6=Styria	9=Vienna

**Q010b\_NUTS1.** DERIVED VARIABLE **Austrian Regions** (approximated from PCAs; NUTS=*Nomenclature of Territorial Units for Statistics*)

1=East Austria
2=Southern Austria
3=Western Austria

[If Q008=17; **BELGIUM**]

**Q010d\_PCA.** RECODED VARIABLE **Belgian Postal Code Areas**

**Q010d\_NUTS2.** DERIVED VARIABLE **Belgian Provinces** (approximated from PCAs; NUTS=*Nomenclature of Territorial Units for Statistics*)

1=Antwerp	5=Hainaut	9=Namur
2=Brussels	6=Liege	10=Walloon Brabant
3=East Flanders	7=Limburg	11=West Flanders
4=Flemish Brabant	8=Luxembourg	

**Q010d\_NUTS1.** DERIVED VARIABLES **Belgian Regions** (approximated from PCAs; NUTS=*Nomenclature of Territorial Units for Statistics*)

1=Brussels Capital Region
2=Flemish Region
3=Wallonia

[If Q008=22; **BOSNIA AND HERZEGOVINA**]

**Q010e.** Which part of the country do you live in?

1=Federation of Bosna and Herzegovina (F BiH)
2=Republic of Srpska (RS)
3=Brčko District

[If Q008=26; **BULGARIA**]

**Q010f.** Which district do you live in?

1=Благоевград / Blagoevgrad

2=Бургас / Burgas

3=Варна / Varna

4=Велико Търново / Veliko Tarnovo

5=Видин / Vidin

6=Враца / Vratsa

7=Габрово / Gabrovo

8=Добрич / Dobrich

9=Кърджали / Kardzhali

10=Кюстендил / Kyustendil

11=Ловеч / Lovech

12=Монтана / Montana

13=Пазарджик / Pazardzhik

14=Перник / Pernik

15=Плевен / Pleven

16=Пловдив / Plovdiv

17=Разград / Razgrad

18=Русе / Ruse

19=Силистра / Silistra

20=Сливен / Sliven

21=Смолян / Smolyan

22=София област / Sofia (province)

23=София (столица) / Sofia (city)

24=Стара Загора / Stara Zagora

25=Търговище / Targovishte

26=Хасково / Haskovo

27=Шумен / Shumen

28=Ямбол / Yambol

[If Q008=42; **CROATIA**]

**Q010h.** Which county do you live in?

1=City of Zagreb

2=Bjelovar-Bilogora

3=Brod-Posavina

4=Dubrovnik-Neretva

5=Istria

6=Karlovac

7=Koprivnica-Križevci

8=Krapina-Zagorje

9=Lika-Senj

10=Međimurje

11=Osijek-Baranja

12=Požega-Slavonia

13=Primorje-Gorski Kotar

14=Sisak-Moslavina

15=Split-Dalmatia

16=Šibenik-Knin

17=Varaždin

18=Virovitica-Podravina

19=Vukovar-Srijem

20=Zadar

21=Zagreb County

[If Q008=44; **CYPRUS**]

**Q010i.** Which district do you live in?

1=Famagusta / Αμμόχωστος /

Gazimağusa

2=Kyrenia / Κερύνεια / Girne

3=Larnaca / Λάρνακα /

Larnaka/Ískele

4=Limassol / Λεμεσός /

Limasol/Leymosun

5=Nicosia / Λευκωσία / Lefkoşa

6=Paphos / Πάφος / Baf/Gazibaf

7=Akrotiri / Ακρωτήρι / Agrotur

8=Dhekelia / Δεκέλεια / Dikelya

[If Q008=45; **CZECHIA**]

**Q010j.** Which region do you live in?

1=Hlavní město Praha / Prague

2=Středočeský kraj / Central

Bohemian Region

3=Jihočeský kraj / South Bohemian

Region

4=Plzeňský kraj / Plzeň Region

5=Karlovarský kraj / Karlovy Vary

Region

6=Ústecký kraj / Ústí nad Labem

Region

7=Liberecký kraj / Liberec Region

8=Královéhradecký kraj / Hradec

Králové Region

9=Pardubický kraj / Pardubice

Region

10=Olomoucký kraj / Olomouc

Region

11=Moravskoslezský kraj /

Moravian-Silesian Region

12=Jihomoravský kraj / South

Moravian Region

13=Zlínský kraj / Zlín Region

14=Vysočina / Vysočina Region

[If Q008=46; DENMARK]

**Q010k.** Which municipality do you live in?

1=Albertslund	34=Herning	67=Randers
2=Allerød	35=Hillerød	68=Rebild
3=Assens	36=Hjørring	69=Ringkøbing-Skjern
4=Ballerup	37=Holbæk	70=Ringsted
5=Billund	38=Holstebro	71=Roskilde
6=Bornholm	39=Horsens	72=Rudersdal
7=Brøndby	40=Hvidovre	73=Rødovre
8=Brønderslev	41=Høje-Taastrup	74=Samsø
9=Dragør	42=Hørsholm	75=Silkeborg
10=Egedal	43=Ikast-Brande	76=Skanderborg
11=Esbjerg	44=Ishøj	77=Skive
12=Fanø	45=Jammerbugt	78=Slagelse
13=Favrskov	46=Kalundborg	79=Solrød
14=Faxe	47=Kerteminde	80=Sorø
15=Fredensborg	48=Kolding	81=Stevns
16=Fredericia	49=København	82=Struer
17=Frederiksberg	50=Køge	83=Svendborg
18=Frederikshavn	51=Langeland	84=Syddjurs
19=Frederikssund	52=Lejre	85=Sønderborg
20=Furesø	53=Lemvig	86=Thisted
21=Færøerne	54=Lolland	87=Tønder
22=Faaborg-Midtfyn	55=Lyngby-Taarbæk	88=Tårnby
23=Gentofte	56=Læsø	89=Vallensbæk
24=Gladsaxe	57=Mariagerfjord	90=Varde
25=Glostrup	58=Middelfart	91=Vejen
26=Greve	59=Morsø	92=Vejle
27=Gribskov	60=Norrdjurs	93=Vesthimmerland
28=Guldborgsund	61=Nordfyn	94=Viborg
29=Haderslev	62=Nyborg	95=Vordingborg
30=Halsnæs	63=Næstved	96=Ærø
31=Hedensted	64=Odder	97=Aabenraa
32=Helsingør	65=Odense	98=Aalborg
33=Herlev	66=Odsherred	99=Århus

[If Q008=55; ESTONIA]

**Q010l.** Which county do you live in?

1=Harjumaa	6=Läänemaa	11=Saaremaa
2=Hiiumaa	7=Lääne-Virumaa	12=Tartumaa
3=Ida-Virumaa	8=Põlvamaa	13=Valgamaa
4=Jõgevamaa	9=Pärnumaa	14=Viljandimaa
5=Järvamaa	10=Raplamaa	15=Võrumaa

[If Q008=58; FINLAND]

**Q010m.** Which region do you live in?

1=Ahvenanmaa / Åland	Österbotten	16=Pohjois-Pohjanmaa / Norra Österbotten
2=Etelä-Karjala / Södra Karelen	9=Keski-Suomi / Mellersta Finland	17=Pohjois-Savo / Norra Savolax
3=Etelä-Savo / Södra Savolax	10=Kymenlaakso / Kymmenedalen	18=Satakunta / Satakunda
4=Etelä-Pohjanmaa / Södra Österbotten	11=Lappi / Lappland	19=Uusimaa / Nyland
5=Itä-Uusimaa / Östra Nyland	12=Päijät-Häme / Päijänne Tavastland	20=Varsinais-Suomi / Egentliga Finland
6=Kainuu / Kajanaland	13=Pirkanmaa / Birkaland	
7=Kanta-Häme / Egentliga Tavastland	14=Pohjanmaa / Österbotten	
8=Keski-Pohjanmaa / Mellersta	15=Pohjois-Karjala / Norra Karelen	

[If Q008=59; **FRANCE**]

**Q010n.** Which département do you live in?

1=01 Ain	34=34 Hérault	67=67 Bas-Rhin
2=02 Aisne	35=35 Ille-et-Vilaine	68=68 Haut-Rhin
3=03 Allier	36=36 Indre	69=69 Rhône
4=04 Alpes-de-Haute-Provence	37=37 Indre-et-Loire	70=70 Haute-Saône
5=05 Hautes-Alpes	38=38 Isère	71=71 Saône-et-Loire
6=06 Alpes-Maritimes	39=39 Jura	72=72 Sarthe
7=07 Ardèche	40=40 Landes	73=73 Savoie
8=08 Ardennes	41=41 Loir-et-Cher	74=74 Haute-Savoie
9=09 Ariège	42=42 Loire	75=75 Paris
10=10 Aube	43=43 Haute-Loire	76=76 Seine-Maritime
11=11 Aude	44=44 Loire-Atlantique	77=77 Seine-et-Marne
12=12 Aveyron	45=45 Loiret	78=78 Yvelines
13=13 Bouches-du-Rhône	46=46 Lot	79=79 Deux-Sèvres
14=14 Calvados	47=47 Lot-et-Garonne	80=80 Somme
15=15 Cantal	48=48 Lozère	81=81 Tarn
16=16 Charente	49=49 Maine-et-Loire	82=82 Tarn-et-Garonne
17=17 Charente-Maritime	50=50 Manche	83=83 Var
18=18 Cher	51=51 Marne	84=84 Vaucluse
19=19 Corrèze	52=52 Haute-Marne	85=85 Vendée
20=20 Corse	53=53 Mayenne	86=86 Vienne
21=21 Côte-d'Or	54=54 Meurthe-et-Moselle	87=87 Haute-Vienne
22=22 Côtes-d'Armor	55=55 Meuse	88=88 Vosges
23=23 Creuse	56=56 Morbihan	89=89 Yonne
24=24 Dordogne	57=57 Moselle	90=90 Territoire de Belfort
25=25 Doubs	58=58 Nièvre	91=91 Essonne
26=26 Drôme	59=59 Nord	92=92 Hauts-de-Seine
27=27 Eure	60=60 Oise	93=93 Seine-Saint-Denis
28=28 Eure-et-Loir	61=61 Orne	94=94 Val-de-Marne
29=29 Finistère	62=62 Pas-de-Calais	95=95 Val-d'Oise
30=30 Gard	63=63 Puy-de-Dôme	96=971 Guadeloupe
31=31 Haute-Garonne	64=64 Pyrénées-Atlantiques	97=972 Martinique
32=32 Gers	65=65 Hautes-Pyrénées	98=973 Guyane
33=33 Gironde	66=66 Pyrénées-Orientales	99=974 La Réunion

[If Q008=60; **FRANCE, OVERSEAS DEPARTMENTS, TERRITORIES AND COLLECTIVITIES**]

**Q010o.** Which département, territory or collectivity do you live in?

1=Guadeloupe	5=Nouvelle-Calédonie	9=Saint-Martin
2=Guyane	6=Polynésie française	10=Saint-Pierre-et-Miquelon
3=Martinique	7=Réunion	11=Wallis-et-Futuna
4=Mayotte	8=Saint-Barthélemy	

[If Q008=64; **GERMANY**]

**Q010p\_PCA.** RECODED VARIABLE **German postal code areas**

**Q010p\_NUTS1.** DERIVED VARIABLE **German Federal States** (approximated from PCAs; NUTS=*Nomenclature of Territorial Units for Statistics*)

1=Baden-Württemberg	7=Hessen	13=Sachsen
2=Bayern	8=Mecklenburg-Vorpommern	14=Sachsen-Anhalt
3=Berlin	9=Niedersachsen	15=Schleswig-Holstein
4=Brandenburg	10=Nordrhein-Westfalen	16=Thüringen
5=Bremen	11=Rheinland-Pfalz	
6=Hamburg	12=Saarland	

[If Q008=66; **GREECE**]

**Q010q.** Which region do you live in?

1=Θράκη / Thrace

2=Μακεδονία / Macedonia

3=Θεσσαλία / Thessaly

4=Ήπειρος / Epirus

5=Στερεά Ελλάδα / Central Greece

6=Αττική / Attica

7=Πελοπόννησος / Peloponnese

8=Νησιά Αιγαίου Πελάγους / Aegean Islands

9=Νησιά Ιονίου Πελάγους / Ionian Islands

10=Κρήτη / Crete

[If Q008=75; **HUNGARY**]

**Q010r.** Which county do you live in?

1=Bács-Kiskun

2=Baranya

3=Békés

4=Borsod-Abaúj-Zemplén

5=Csongrád

6=Fejér

7=Győr-Moson-Sopron

8=Hajdú-Bihar

9=Heves

10=Jász-Nagykun-Szolnok

11=Komárom-Esztergom

12=Nógrád

13=Pest (megye)

14=Budapest (város)

15=Somogy

16=Szabolcs-Szatmár-Bereg

17=Tolna

18=Vas

19=Veszprém

20=Zala

[If Q008=81; **IRELAND**]

**Q010s.** Which county do you live in?

1=Carlow

2=Cavan

3=Clare

4=Cork

5=Donegal

6=Dublin City

7=Dublin County

8=Galway

9=Kerry

10=Kildare

11=Kilkenny

12=Laois

13=Leitrim

14=Limerick

15=Longford

16=Louth

17=Mayo

18=Meath

19=Monaghan

20=Offaly

21=Roscommon

22=Sligo

23=Tipperary

24=Waterford

25=Westmeath

26=Wexford

27=Wicklow

[If Q008=82; **ISRAEL**]

**Q010t.** Which region do you live in?

1=Tel Aviv & Central Israel

2=Haifa & Northern Israel

3=Jerusalem & West Bank

4=Beer Sheva & Southern Israel

[If Q008=83; **ITALY**]

**Q010u.** Which province do you live in?

1=Agrigento	38=Frosinone	75=Pisa
2=Alessandria	39=Genova	76=Pistoia
3=Ancona	40=Gorizia	77=Pordenone
4=Aosta	41=Grosseto	78=Potenza
5=Arezzo	42=Imperia	79=Prato
6=Ascoli Piceno	43=Isernia	80=Ragusa
7=Asti	44=La Spezia	81=Ravenna
8=Avellino	45=L'Aquila	82=Reggio Calabria
9=Bari	46=Latina	83=Reggio Emilia
10=Barletta-Andria-Trani	47=Lecce	84=Rieti
11=Belluno	48=Lecco	85=Rimini
12=Benevento	49=Livorno	86=Roma
13=Bergamo	50=Lodi	87=Rovigo
14=Biella	51=Lucca	88=Salerno
15=Bologna	52=Macerata	89=Sassari
16=Bolzano	53=Mantova	90=Savona
17=Brescia	54=Massa-Carrara	91=Siena
18=Brindisi	55=Matera	92=Siracusa
19=Cagliari	56=Medio Campidano	93=Sondrio
20=Caltanissetta	57=Messina	94=Taranto
21=Campobasso	58=Milano	95=Teramo
22=Carbonia-Iglesias	59=Modena	96=Terni
23=Caserta	60=Monza e della Brianza	97=Torino
24=Catania	61=Napoli	98=Trapani
25=Catanzaro	62=Novara	99=Trento
26=Chieti	63=Nuoro	100=Treviso
27=Como	64=Ogliastra	101=Trieste
28=Cosenza	65=Olbia-Tempio	102=Udine
29=Cremona	66=Oristano	103=Varese
30=Crotone	67=Padova	104=Venezia
31=Cuneo	68=Palermo	105=Verbano-Cusio-Ossola
32=Enna	69=Parma	106=Vercelli
33=Fermo	70=Pavia	107=Verona
34=Ferrara	71=Perugia	108=Vibo Valentia
35=Firenze	72=Pesaro e Urbino	109=Vicenza
36=Foggia	73=Pescara	110=Viterbo
37=Forlì-Cesena	74=Piacenza	

**Q010u\_NUTS2.** DERIVED VARIABLE **Italian Regions** (NUTS=*Nomenclature of Territorial Units for Statistics*)

1=Piemonte	8=Puglia	15=Friuli-Venezia Giulia
2=Valle d'Aosta	9=Basilicata	16=Emilia-Romagna
3=Liguria	10=Calabria	17=Toscana
4=Lombardia	11=Sicilia	18=Umbria
5=Abruzzo	12=Sardegna	19=Marche
6=Molise	13=Trentino	20=Lazio
7=Campania	14=Veneto	21=Alto Adige / Südtirol

**Q010u\_NUTS1.** DERIVED VARIABLE **Italian Groups of Regions** (NUTS=*Nomenclature of Territorial Units for Statistics*)

1=Northeast Italy	3=Central Italy	5=Insular Italy
2=Northwest Italy	4=South Italy	

[If Q008=97; **LATVIA**]

**Q010v.** Which region do you live in?

- 1=Riga
- 2=Kurzeme
- 3=Zemgale
- 4=Latgale
- 5=Vidzeme

[If Q008=103; **LITHUANIA**]

**Q010x.** Which county do you live in?

- |               |             |            |
|---------------|-------------|------------|
| 1=Alytus      | 5=Panevėžys | 9=Utena    |
| 2=Kaunas      | 6=Šiauliai  | 10=Vilnius |
| 3=Klaipėda    | 7=Tauragė   |            |
| 4=Marijampolė | 8=Telšiai   |            |

[If Q008=104; **LUXEMBOURG**]

**Q010y.** Which district do you live in?

- 1=Diekirch
- 2=Grevenmacher
- 3=Luxembourg

[If Q008=105; **NORTH MACEDONIA**]

**Q010z.** Which region do you live in?

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| 1=Источен регион (Eastern)            | 5=Скопски регион (Skopje)           |
| 2=Североисточен регион (Northeastern) | 6=Југоисточен регион (Southeastern) |
| 3=Пелагониски регион (Pelagonia)      | 7=Југозападен регион (Southwestern) |
| 4=Полошки регион (Polog)              | 8=Вардарски регион (Vardar)         |

[If Q008=111; **MALTA**]

**Q010aa.** Which region do you live in?

- |                    |                 |                  |
|--------------------|-----------------|------------------|
| 1=Southern harbour | 3=South Eastern | 5.5=Malta (2010) |
| 1.5=Valetta (2010) | 4=Western       | 6=Gozo           |
| 2=Northern harbour | 5=Northern      |                  |

[If Q008=117; **MOLDOVA**]

**Q010bb.** Which district, municipality or region do you live in?

- |                  |              |                 |
|------------------|--------------|-----------------|
| 1=Anenii Noi     | 14=Dondușeni | 27=Orhei        |
| 2=Bălți          | 15=Drochia   | 28=Rezina       |
| 3=Basarabasca    | 16=Dubăsari  | 29=Rîșcani      |
| 4=Bender/Tighina | 17=Edineț    | 30=Șingerei     |
| 5=Briceni        | 18=Fălești   | 31=Soroca       |
| 6=Cahul          | 19=Florești  | 32=Strășeni     |
| 7=Cantemir       | 20=Gagauzia  | 33=Șoldănești   |
| 8=Călărași       | 21=Glodeni   | 34=Ștefan Vodă  |
| 9=Căușeni        | 22=Hîncești  | 35=Taraclia     |
| 10=Chișinău      | 23=Ialoveni  | 36=Telenești    |
| 11=Cimișlia      | 24=Leova     | 37=Tiraspol     |
| 12=Comrat        | 25=Nisporeni | 38=Transnistria |
| 13=Criuleni      | 26=Ocnița    | 39=Ungheni      |

[If Q008= 120; **MONTENEGRO**]

**Q010cc.** Which region do you live in?

- 1=Централни регион/Centralni region
- 2=Приморски регион/Primorski region
- 3=Сјеверни регион/Sjeverni region

[If Q008=127; **NETHERLANDS**]

**Q010dd\_PCA**. RECODED VARIABLE **Dutch Postal Code Areas**

**Q010dd\_NUTS2**. DERIVED VARIABLE **Dutch Provinces** (approximated from PCAs; NUTS=*Nomenclature of Territorial Units for Statistics*)

1=Groningen	5=Gelderland	9=South Holland
2=Friesland	6=Flevoland	10=Zeeland
3=Drenthe	7=Utrecht	11=North Brabant
4=Overijssel	8=North Holland	12=Limburg

**Q010dd\_NUTS1**. DERIVED VARIABLE **Dutch "Lands"** (approximated from PCAs; NUTS=*Nomenclature of Territorial Units for Statistics*)

1=North Netherlands  
2=East Netherlands  
3=West Netherlands  
4=South Netherlands

[If Q008=132; **NORWAY**]

**Q010ee**. Which county do you live in?

2=Agder	11=Oslo
1=Akershus	12=Rogaland
3=Buskerud	16=Telemark
4=Finnmark	17=Troms
5=Innlandet	18=Vest-Agder [not shown to 2024 participants due to changes in nomenclature]
6=Hordaland [not shown to 2024 participants due to changes in nomenclature]	14=Trøndelag
7=Møre og Romsdal	19=Vestfold
8=Trøndelag [not shown to 2024 participants due to changes in nomenclature]	13=Vestland
9=Nordland	20=Østfold
10=Oppland [not shown to 2024 participants due to changes in nomenclature]	35=Svalbard [not shown to 2024 participants due to changes in nomenclature]

[If Q008=142; **POLAND**]

**Q010gg**. Which province do you live in?

1=Dolnośląskie	7=Mazowieckie	13=Świętokrzyskie
2>Kujawsko-Pomorskie	8=Opolskie	14=Warmińsko-mazurskie
3=Lubelskie	9=Podkarpackie	15=Wielkopolskie
4=Lubuskie	10=Podlaskie	16>Zachodniopomorskie
5=Łódzkie	11=Pomorskie	
6=Małopolskie	12=Śląskie	

[If Q008=143; **PORTUGAL**]

**Q010hh**. Which region or district do you live in?

1=Aveiro	8=Évora	15=Porto
2=Açores RA	9=Faro	16=Santarém
3=Beja	10=Guarda	17=Setúbal
4=Braga	11=Leiria	18=Viana do Castelo
5=Bragança	12=Lisboa	19=Vila Real
6=Castelo Branco	13=Madeira RA	20=Viseu
7=Coimbra	14=Portalegre	

[If Q008=146; ROMANIA]

**Q010ii.** Which county do you live in?

1=Alba	16=Covasna	31=Neamț
2=Arad	17=Dâmbovița	32=Olt
3=Argeș	18=Dolj	33=Prahova
4=Bacău	19=Galați	34=Satu Mare
5=Bihor	20=Giurgiu	35=Sălaj
6=Bistrița-Năsăud	21=Gorj	36=Sibiu
7=Botoșani	22=Harghita	37=Suceava
8=Brașov	23=Hunedoara	38=Teleorman
9=Brăila	24=Ialomița	39=Timiș
10=Bucharest	25=Iași	40=Tulcea
11=Buzău	26=Ilfov	41=Vaslui
12=Caraș-Severin	27=Maramureș	42=Vâlcea
13=Călărași	28=Mehedinți	43=Vrancea
14=Cluj	29=Mureș	
15=Constanța	30=Târgu Mureș	

[If Q008=147; RUSSIA (RUSSIAN FEDERATION)]

**Q010jj.** Which area do you live in? (If you do not find your region in the list, please choose “other” at the end of the list). [This wording in brackets was used because Maastricht University did not approve listing territories occupied by Russia since 2014, even though Crimea and Sevastopol were included in EMIS-2017, and territories newly occupied by Russia were also listed as regions of Ukraine in EMIS-2024. Alternatively, “другой / Other” was added in EMIS-2024 to designate Ukrainian territories occupied by Russia, including Crimea and Sevastopol.]

1=Алтайский край	30=Москва	59=Республика Тыва
2=Амурская область	31=Московская область	60=Республика Хакасия
3=Архангельская область	32=Мурманская область	61=Ростовская область
4=Астраханская область	33=Ненецкий автономный округ	62=Рязанская область
5=Белгородская область	34=Нижегородская область	63=Самарская область
6=Брянская область	35=Новгородская область	64=Санкт-Петербург
7=Владимирская область	36=Новосибирская область	65=Саратовская область
8=Волгоградская область	37=Омская область	66=Сахалинская область
9=Вологодская область	38=Оренбургская область	67=Свердловская область
10=Воронежская область	39=Орловская область	68=Севастополь [not included in 2024]
11=Еврейская автономная область	40=Пензенская область	69=Смоленская область
12=Забайкальский край	41=Пермский край	70=Ставропольский край
13=Ивановская область	42=Приморский край	71=Тамбовская область
14=Иркутская область	43=Псковская область	72=Тверская область
15=Кабардино-Балкарская Республика	44=Республика Адыгея (Адыгея)	73=Томская область
16=Калининградская область	45=Республика Алтай	74=Тульская область
17=Калужская область	46=Республика Башкортостан	75=Тюменская область
18=Камчатский край	47=Республика Бурятия	76=Удмуртская Республика
19=Карачаево-Черкесская Республика (Республика Карачаево-Черкессия)	48=Республика Дагестан	77=Ульяновская область
20=Кемеровская область	49=Республика Ингушетия	78=Хабаровский край
21=Кировская область	50=Республика Калмыкия	79=Ханты-Мансийский автономный округ - Югра
22=Костромская область	51=Республика Карелия	80=Челябинская область
23=Краснодарский край	52=Республика Коми	81=Чеченская Республика
24=Красноярский край	53=Республика Крым [not included in 2024]	82=Чувашская Республика – Чувашия
25=Курганская область	54=Республика Марий Эл	83=Чукотский автономный округ
26=Курская область	55=Республика Мордовия	84=Ямало-Ненецкий автономный округ
27=Ленинградская область	56=Республика Саха (Якутия)	85=Ярославская область
28=Липецкая область	57=Республика Северная Осетия - Алания	86=другой / Other
29=Магаданская область	58=Республика Татарстан (Татарстан)	

**Q010jj\_ADM1.** DERIVED VARIABLE **Russian Federal Districts**

1=Central Federal District	4=Northwestern Federal District	7=Ural Federal District
2=Far Eastern Federal District	5=Siberian Federal District	8=Volga Federal District
3=North Caucasus Federal District	6=South Federal District	

[If Q008=157; **SERBIA**]

**Q010kk.** Which area do you live in?

1=Region Vojvodina / Регион Војводина

2=Region Kosovo i Metohija / Регион Косово и Метохија [recoded "Kosovo" (country)]

3=Region Beograd / Регион Београд

4=Region Šumadije i Zapadne Srbije / Регион Шумадије и Западне Србије

5=Region Južne i Istočne Srbije / Регион Јужне и Источне Србије

6=Centralna Srbija / Централна Србија

[If Q008=161; **SLOVAKIA**]

**Q010ll.** Which county do you live in?

1=Bratislavský kraj

4=Nitriansky kraj

7=Prešovský kraj

2=Trnavský kraj

5=Žilinský kraj

8=Košický kraj

3=Trenčiansky kraj

6=Banskobystrický kraj

[If Q008=162; **SLOVENIA**]

**Q010mm.** Which region do you live in?

1=Gorenjska

5=Notranjsko-kraška

9=Pomurska

2=Goriška

6=Obalno-kraška

10=Savinjska

3>Jugovzhodna Slovenija

7=Osrednjeslovenska

11=Spodnjeposavska

4=Koroška

8=Podravska

12=Zasavska

[If Q008=166; **SPAIN**]

**Q010nn.** Which region do you live in?

1=Andalucía

8=Cataluña

15=Melilla

2=Aragón

9=Ceuta

16=Navarra

3=Baleares

10=Comunidad de Madrid

17=País Vasco

4=Canarias

11=Comunidad Valenciana

18=Principado de Asturias

5=Cantabria

12=Extremadura

19=Región de Murcia

6=Castilla-La Mancha

13=Galicia

7=Castilla y León

14=La Rioja

[If Q008=171; **SWEDEN**]

**Q010oo.** Which county do you live in?

1=Blekinge

8=Kalmar

15=Värmlands

2=Dalarnas

9=Kronobergs

16=Västerbottens

3=Gotlands

10=Norrbottnens

17=Västernorrlands

4=Gävleborgs

11=Skåne

18=Västmanlands

5=Hallands

12=Stockholms

19=Västra Götalands

6=Jämtlands

13=Södermanlands

20=Örebro

7=Jönköpings

14=Uppsala

21=Östergötlands

[If Q008=172; **SWITZERLAND**]

**Q010pp\_PCA.** RECODED VARIABLE **Swiss postal code areas** (PCAs)

**Q010pp\_NUTS3.** DERIVED VARIABLE **Swiss Cantons** (NUTS=*Nomenclature of Territorial Units for Statistics*)

Swiss cantons can only be approximated based on PCAs; smaller cantons—such as Uri, Schwyz, Nidwalden, Obwalden, Glarus, Zug, Schaffhausen, the Appenzells, and Thurgau—cannot be distinguished individually.

1=Zürich [+ Schaffhausen (14), parts of Uri (4), Glarus (8), Thurgau]	10=Fribourg	18=Graubünden
2=Bern	11=Solothurn	19=Argau
3=Luzern [+ parts of Uri (4), Schwyz (5), Obwalden (6), Nidwalden (7), Zug (9)]	12=Basel Stadt	21=Ticino
	13=Basel Land	22=Vaud
		23=Vallais
	17=St.Gallen [+Appenz Ausser (15), Appenz Inner (16), parts of Schwyz (5), Glarus (8), Thurgau (20)]	24=Neuchâtel
		25=Genève
		26=Jura

**Q010pp\_NUTS2.** DERIVED VARIABLE **Swiss grands régions** (NUTS=*Nomenclature of Territorial Units for Statistics*)

1=Région lémanique: GE, VD, VS	5=Suisse orientale: SG, AR, AI, GL, GR, SH, TG
2=Espace Mittelland: BE, FR, JU, NE, SO	6=Suisse centrale: LU, NW, OW, SZ, UR, ZG
3=Suisse du Nord-Ouest: AG, BS, BL	7=Ticino: TI
4=Zürich: ZH	

[If Q008=183; **TÜRKIYE**]

**Q010qq.** Which region do you live in?

1=Marmara Bölgesi	4=Akdeniz Bölgesi	7=Güneydoğu Anadolu Bölgesi
2=Ege Bölgesi	5=İç Anadolu Bölgesi	
3=Karadeniz Bölgesi	6=Doğu Anadolu Bölgesi	

[If Q008=188; **UKRAINE**]

**Q010rr.** Which oblast do you live in?

1=м. Севастополь / Sevastopol city	14=Луганська область / Luhansk Oblast
2=м. Київ / Kyiv city	15=Львівська область / Lviv Oblast
3=Автономна Республіка Крим / Autonomous Republic of Crimea	16=Миколаївська область / Mykolaiv Oblast
4=Вінницька область / Vinnytsia Oblast	17=Одеська область / Odesa Oblast
5=Волинська область / Volyn Oblast	18=Полтавська область / Poltava Oblast
6=Дніпропетровська область / Dnipropetrovsk Oblast	19=Рівненська область / Rivne Oblast
7=Донецька область / Donetsk Oblast	20=Сумська область / Sumy Oblast
8=Житомирська область / Zhytomyr Oblast	21=Тернопільська область / Ternopil Oblast
9=Закарпатська область / Zakarpattia Oblast	22=Харківська область / Kharkiv Oblast
10=Запорізька область / Zaporizhzhia Oblast	23=Херсонська область / Kherson Oblast
11=Івано-Франківська область / Ivano-Frankivsk Oblast	24=Хмельницька область / Khmelnytskyi Oblast
12=Київська область / Kyiv Oblast	25=Черкаська область / Cherkasy Oblast
13=Кіровоградська область / Kirovohrad Oblast	26=Чернівецька область / Chernivtsi Oblast
	27=Чернігівська область / Chernihiv Oblast

[If Q008=190; UK, ENGLAND]

**Q010ss.** Which council/local authority area do you live in?

1=Adur	58=Chesterfield	116=Gloucestershire	173=Maldon
2=Allerdale	59=Chichester	117=Gosport	174=Malvern Hills
3=Amber Valley	60=Chiltern	118=Gravesham	175=Manchester
4=Arun	61=Chorley	119=Great Yarmouth	176=Mansfield
5=Ashfield	62=Christchurch	120=Greenwich	177=Medway
6=Ashford	63=City of London	121=Guildford	178=Melton
7=Aylesbury Vale	64=Colchester	122=Hackney	179=Mendip
8=Babergh	65=Copeland	123=Halton	180=Merton
9=Barking and Dagenham	66=Corby	124=Hambleton	181=Mid Devon
10=Barnet	67=Cornwall	125=Hammersmith and Fulham	182=Mid Suffolk
11=Barnsley	68=Cotswold	126=Hampshire	183=Mid Sussex
12=Barrow-in-Furness	69=County Durham	127=Harborough	184=Middlesbrough
13=Basildon	70=Coventry	128=Haringey	185=Milton Keynes
14=Basingstoke and Deane	71=Craven	129=Harlow	186=Mole Valley
15=Bassetlaw	72=Crawley	130=Harrogate	187=New Forest
16=Bath and North East Somerset	73=Croydon	131=Harrow	188=Newark and Sherwood
17=Bedford	74=Cumbria	132=Hart	189=Newcastle upon Tyne
18=Bexley	75=Dacorum	133=Hartlepool	190=Newcastle-under-Lyme
19=Birmingham	76=Darlington	134=Hastings	191=Newham
20=Blaby	77=Dartford	135=Havant	192=Norfolk
21=Blackburn with Darwen	78=Daventry	136=Havering	193=Northamptonshire
22=Blackpool	79=Derby	137=Herefordshire, County of	194=North Devon
23=Bolsover	80=Derbyshire	138=Hertfordshire	195=North Dorset
24=Bolton	81=Derbyshire Dales	139=Hertsmere	196=North East Derbyshire
25=Boston	82=Devon	140=High Peak	197=North East Lincolnshire
26=Bournemouth	83=Doncaster	141=Hillingdon	198=North Hertfordshire
27=Bracknell Forest	84=Dorset	142=Hinckley and Bosworth	199=North Kesteven
28=Bradford	85=Dover	143=Horsham	200=North Lincolnshire
29=Braintree	86=Dudley	144=Hounslow	201=North Norfolk
30=Breckland	87=Ealing	145=Huntingdonshire	202=North Somerset
31=Brent	88=East Cambridgeshire	146=Hyndburn	203=North Tyneside
32=Brentwood	89=East Devon	147=Ipswich	204=North Warwickshire
33=Brighton and Hove	90=East Dorset	148=Isle of Wight	205=North West Leicestershire
34=Bristol, City of	91=East Hampshire	149=Isles of Scilly	206=North Yorkshire
35=Broadland	92=East Hertfordshire	150=Islington	207=Northampton
36=Bromley	93=East Lindsey	151=Kensington and Chelsea	208=Northumberland
37=Bromsgrove	94=East Northamptonshire	152=Kent	209=Norwich
38=Broxbourne	95=East Riding of Yorkshire	153=Kettering	210=Nottingham
39=Broxtowe	96=East Staffordshire	154=King's Lynn and West Norfolk	211=Nottinghamshire
40=Buckinghamshire	97=East Sussex	155=Kingston upon Hull, City	212=Nuneaton and Bedworth
41=Burnley	98=Eastbourne	156=Kingston upon Thames	213=Oadby and Wigston
42=Bury	99=Eastleigh	157=Kirklees	214=Oldham
43=Calderdale	100=Eden	158=Kirklees	215=Oxford
44=Cambridge	101=Elmbridge	159=Knowsley	216=Oxfordshire
45=Cambridgeshire	102=Enfield	160=Lancashire	217=Pendle
46=Camden	103=Epping Forest	161=Lancaster	218=Peterborough
47=Cannock Chase	104=Epsom and Ewell	162=Leeds	219=Plymouth
48=Canterbury	105=Erewash	163=Leicester	220=Poole
49=Carlisle	106=Essex	164=Leicestershire	221=Portsmouth
50=Castle Point	107=Exeter	165=Lewes	222=Preston
51=Central Bedfordshire	108=Fareham	166=Lewisham	223=Purbeck
52=Charnwood	109=Fenland	167=Lichfield	224=Reading
53=Chelmsford	110=Forest Heath	168=Lincoln	225=Redbridge
54=Cheltenham	111=Forest of Dean	169=Lincolnshire	226=Redcar and Cleveland
55=Cherwell	112=Fylde	170=Liverpool	227=Redditch
56=Cheshire East	113=Gateshead	171=Luton	228=Reigate and Banstead
57=Cheshire West and Chester	114=Gedling	172=Maidstone	229=Ribble Valley
	115=Gloucester		230=Richmond upon Thames

231=Richmondshire	262=South Kesteven	293=Swale	324=Waverley
232=Rochdale	263=South Lakeland	294=Swindon	325=Wealden
233=Rochford	264=South Norfolk	295=Tameside	326=Wellingborough
234=Rossendale	265=South Northamptonshire	296=Tamworth	327=Welwyn Hatfield
235=Rother	266=South Oxfordshire	297=Tandridge	328=West Berkshire
236=Rotherham	267=South Ribble	298=Taunton Deane	329=West Devon
237=Rugby	268=South Somerset	299=Teignbridge	330=West Dorset
238=Runnymede	269=South Staffordshire	300=Telford and Wrekin	331=West Lancashire
239=Rushcliffe	270=South Tyneside	301=Tendring	332=West Lindsey
240=Rushmoor	271=Southampton	302=Test Valley	333=West Oxfordshire
241=Rutland	272=Southend-on-Sea	303=Tewkesbury	334=West Somerset
242=Ryedale	273=Southwark	304=Thanet	335=West Sussex
243=Salford	274=Spelthorne	305=Three Rivers	336=Westminster
244=Sandwell	275=St Albans	306=Thurrock	337=Weymouth and Portland
245=Scarborough	276=St Edmundsbury	307=Tonbridge and Malling	338=Wigan
246=Sedgemoor	277=St. Helens	308=Torbay	339=Wiltshire
247=Sefton	278=Stafford	309=Torrige	340=Winchester
248=Selby	279=Staffordshire	310=Tower Hamlets	341=Windsor and Maidenhead
249=Sevenoaks	280=Staffordshire Moorlands	311=Trafford	342=Wirral
250=Sheffield	281=Stevenage	312=Tunbridge Wells	343=Woking
251=Shepway	282=Stockport	313=Uttlesford	344=Wokingham
252=Shropshire	283=Stockton-on-Tees	314=Vale of White Horse	345=Wolverhampton
253=Slough	284=Stoke-on-Trent	315=Wakefield	346=Worcester
254=Solihull	285=Stratford-on-Avon	316=Walsall	347=Worcestershire
255=Somerset	286=Stroud	317=Waltham Forest	348=Worthing
256=South Bucks	287=Suffolk	318=Wandsworth	349=Wychavon
257=South Cambridgeshire	288=Suffolk Coastal	319=Warrington	350=Wycombe
258=South Derbyshire	289=Sunderland	320=Warwick	351=Wyre
259=South Gloucestershire	290=Surrey	321=Warwickshire	352=Wyre Forest
260=South Hams	291=Surrey Heath	322=Watford	353=York
261=South Holland	292=Sutton	323=Waveney	

[If Q008=19; UK, **NORTHERN IRELAND**]

**Q010tt.** Which district council / local authority area do you live in?

- |                                   |                            |                           |
|-----------------------------------|----------------------------|---------------------------|
| 1=Antrim and Newtownabbey         | 4=Belfast                  | 8=Lisburn and Castlereagh |
| 2=Ards and North Down             | 5=Causeway Coast and Glens | 9=Mid and East Antrim     |
| 3=Armagh, Banbridge and Craigavon | 6=Derry and Strabane       | 10=Mid-Ulster             |
|                                   | 7=Femanagh and Omagh       | 11=Newry, Mourne and Down |

[If Q008=192; UK, **SCOTLAND**]

**Q010uu.** Which council / local authority area do you live in?

- |                       |                                |                        |
|-----------------------|--------------------------------|------------------------|
| 1=Aberdeen City       | 12=Edinburgh, City of          | 23=Orkney Islands      |
| 2=Aberdeenshire       | 13=Eilean Siar (Western Isles) | 24=Perth & Kinross     |
| 3=Angus               | 14=Falkirk                     | 25=Renfrewshire        |
| 4=Argyll & Bute       | 15=Fife                        | 26=Scottish Borders    |
| 5=Clackmannanshire    | 16=Glasgow City                | 27=Shetland Islands    |
| 6=Dumfries & Galloway | 17=Highland                    | 28=South Ayrshire      |
| 7=Dundee City         | 18=Inverclyde                  | 29=South Lanarkshire   |
| 8=East Ayrshire       | 19=Midlothian                  | 30=Stirling            |
| 9=East Dunbartonshire | 20=Moray                       | 31=West Dunbartonshire |
| 10=East Lothian       | 21=North Ayrshire              | 32=West Lothian        |
| 11=East Renfrewshire  | 22=North Lanarkshire           |                        |

[If Q008=193; UK, **WALES**]

**Q010vv.** Which council / local authority area do you live in?

- |                   |                      |                          |
|-------------------|----------------------|--------------------------|
| 1=Blaenau Gwent   |                      |                          |
| 2=Bridgend        | 9=Flintshire         | 16=Pembrokeshire         |
| 3=Caerphilly      | 10=Gwynedd           | 17=Powys                 |
| 4=Cardiff         | 11=Isle of Anglesey  | 18=Rhondda, Cynon, Taff  |
| 5=Carmarthenshire | 12=Merthyr Tydfil    | 19=Swansea               |
| 6=Ceredigion      | 13=Monmouthshire     | 20=The Vale of Glamorgan |
| 7=Conwy           | 14=Neath Port Talbot | 21=Torfaen               |
| 8=Denbighshire    | 15=Newport           | 22=Wrexha                |

[If Q008=194; **BRITISH OVERSEAS TERRITORIES AND CROWN DEPENDENCIES (CD)**]

**Q010ww.** Which Territory or Crown Dependency do you live in?

- |                                  |                          |   |
|----------------------------------|--------------------------|---|
| 1=Anguilla                       | 7=Gibraltar              | 13=Saint Helena and Dependencies            |
| 2=Bermuda                        | 8=Guernsey and Sark (CD) | 14=South Georgia and South Sandwich Islands |
| 3=British Indian Ocean Territory | 9=Isle of Man (CD)       | 15=Sovereign Base Areas on Cyprus           |
| 4=British Virgin Islands         | 10=Jersey (CD)           | 16=Turks and Caicos Islands                 |
| 5=Cayman Islands                 | 11=Montserrat            |   |
| 6=Falkland Islands               | 12=Pitcairn Island       |   |

**Q010ss\_vv\_NUTS1.** NUTS 1 / International Territorial Level 1 regions of the **United Kingdom**

- |                            |                            |                           |
|----------------------------|----------------------------|---------------------------|
| 1=North East (of England)  | 5=West Midlands            | 9=South West (of England) |
| 2=North West (of England)  | 6=East of England          | 10=Wales                  |
| 3=Yorkshire and the Humber | 7=London                   | 11=Scotland               |
| 4=East Midlands            | 8= South East (of England) | 12=Northern Ireland       |

[If Q008=8; **ARMENIA**, newly covered in 2024]

**\*Q010xx**. Which territorial unit or "marze" do you live in?

1=Արագածոտն/ Арагацотн/ Aragatsotn

2=Արարատ/ Арарат/ Ararat

3=Արմավիր/ Армавир/ Armavir

4=Գեղարքունիք/ Гегаркуник/ Gegharkunik

5=Կոտայք/ Котайк/ Kotayk

6=Լոռի/ Лори/ Lori

7=Շիրակ/ Ширак/ Shirak

8=Սյունիք/ Сюник/ Syunik

9=Տավուշ/ Тавуш/ Tavush

10=Վայոց Ձոր/ Вайоц Дзор/ Vayots Dzor

11=Երևան/ Ереван/ Yerevan

[If Q008=11; **AZERBAIJAN**, newly covered in 2024]

**\*Q010yy**. Which district do you live in?

1=Abşeron/ Апшеронский район/ Absheron District

2=Ağcabədi/ Агдабединский район/ Aghjabadi District

3=Ağdam/ Агдамский район/ Aghdam District

4=Ağdaş/ Агдашский район/ Aгдаsh District

5=Ağstafa/ Агстафинский район/ Aghstafa District

6=Ağsu/ Агсуинский район/ Agsu District

7=Astara/ Астаринский район/ Astara District

8=Balakən/ Балакенский район/ Balakan District

9=Bərdə/ Бардинский район/ Barda District

10=Beyləqan/ Бейлаганский район/ Beylagan District

11=Biləsuvar/ Биласуварский район/ Bilasuvar District

12=Cəbrayıl/ Джабраильский район/ Jabrayil District

13=Cəlilabad/ Джалилабадский район/ Jalilabad District

14=Daşkəsən/ Дашкасанский район/ Dashkasan District

15=Şabran/ Шабранский район/ Shabran District

16=Füzuli/ Физулинский район/ Fuzuli District

17=Gədəbəy/ Гядабейский район/ Gadabay District

18=Goranboy/ Геранбойский район/ Goranboy District

19=Göyçay/ Гейчайский район/ Goychay District

20=Hacıqabul/ Гаджигабульский район/ Hajigabul Distr.

21=İmişli/ Имишлинский район/ Imishli District

22=İsmayilli/ Исмаиллинский район/ Ismayilli District

23=Kəlbəcər/ Кельбаджарский район/ Kalbajar District

24=Kürdəmir/ Кюрдамирский район/ Kurdamir District

25=Laçın/ Лачинский район/ Lachin District

26=Lənkəran/ Лянкяранский район/ Lankaran District

27=Lerik/ Лерикский район/ Lerik District

28=Masallı/ Масаллинский район/ Masally District

29=Neftçala/ Нефтчалинский район/ Neftchala District

30=Oğuz/ Огузский район/ Oghuz District

31=Qəbələ/ Габалинский район/ Qabala District

32=Qax/ Кахский район/ Qakh District

33=Qazax/ Казахский район/ Qazax District

34=Qobustan/ Гобустанский район/ Gobustan District

35=Quba/ Губинский район/ Quba District

36=Qubadlı/ Губадлинский район/ Qubadli District

37=Qusar/ Гусарский район/ Qusar District

38=Saatlı/ Саатлинский район/ Saatly District

39=Sabirabad/ Сабирабадский район/ Sabirabad Distr.

40=Şəki/ Шекинский район/ Shaki District

41=Salyan/ Сальянский район/ Salyan District

42=Şamaxı/ Шамахинский район/ Shamakhi District

43=Şəmkir/ Шамкирский район/ Shamkir District

44=Samux/ Самухский район/ Samukh District

45=Siyəzən/ Сиязанский район/ Siyazan District

46=Susa/ Шушинский район/ Shusha District

47=Tərtər/ Татарский район/ Tartar District

48=Tovuz/ Товузский район/ Tovuz District

49=Ucar/ Уджарский район/ Ujar District

50=Xaçmaz/ Хачмазский район/ Khachmaz District

51=Göygöl/ Гейгельский район/ Goygol District

52=Xızı/ Хызинский район/ Khizi District

53=Xocalı/ Ходжалинский район/ Khojaly District

54=Xocavənd/ Ходжавендский район/ Khojavend Distr.

55=Yardımlı/ Ярдымлинский район/ Yardimli District

56=Yevlax/ Евлахский район/ Yevlakh District

57=Zəngilan/ Зангиланский район/ Zangilan District

58=Zaqatala/ Закатальский район/ Zagatala District

59=Zərdab/ Зардабский район/ Zardab District

60=Babək/ Бабекский район/ Babek District

61=Culfa/ Джульфинский район/ Julfa District

62=Kəngərli/ Кенгерлинский район/ Kangarli District

63=Sədərək/ Садаракский район/ Sadarak District

64=Ordubad/ Ордубадский район/ Ordubad District

65=Şahbuz/ Шахбузский район/ Shahbuz District

66=Şərur/ Шарурский район/ Sharur District

67=Naxçıvan/ Нахчыван/ Nakhchivan

68=Bakı/ Баку/ Baku

69=Sumqayıt/ Сумгаит / Sumgait

70=Gəncə/ Гянджа / Ganja

[If Q008=63; **GEORGIA**, newly covered in 2024]

**\*Q010zz.** Which region do you live in?

- 1= აჭარა (აჭარის ავტონომიური რესპუბლიკა) / Adjara / Аджария
- 2= გურია / Guria / Гурия
- 3= იმერეთი / Imereti / Имерети
- 4= კახეთი / Kakheti / Кахетия
- 5= ქვემო ქართლი / Kvemo Kartli / Квемо Картლი
- 6= მცხეთა-მთიანეთი / Mtskheta-Mtianeti / Мцхета-Мтианети
- 7= რაჭა-ლეჩხუმი და ქვემო სვანეთი / Racha-Lechkhumi and Kvemo Svaneti / Рача-Лечхуми и Квемо-Сванети
- 8= სამეგრელო-ზემო სვანეთი / Samegrelo-Zemo Svaneti / Самегрело-Земо Сванети
- 9= სამცხე-ჯავახეთი / Samtskhe-Javakheti / Самцхе-Джавახети
- 10= შიდა ქართლი / Shida Kartli / Шида Картლი
- 11= აფხაზეთი / Abkhazia / Абхазия
- 12= ახრეთ ოსეთი / South Ossetia / Южная Осетия
- 13= თბილისი / Tbilisi / Тбилиси

[If Q008=88; **KAZAKHSTAN**, newly covered in 2024]

**\*Q010aaa.** Which region do you live in?

- 1= Абад облысы / Абайская область / Abay region
- 2= Ақмола облысы / Ақмолинская область / Akmola region
- 3= Ақтөбе облысы / Ақтөбинская область / Aktobe region
- 4= Алматы облысы / Алматинская область / Alma-Ata's region
- 5= Атырау облысы / Атырауская область / Atyrau region
- 6= Шығыс Қазақстан облысы / Восточно-Казахстанская область / East Kazakhstan region
- 7= Жамбыл облысы / Жамбылская область / Jambyl Region
- 8= Жетісу облысы / Жетысуская область / Zhetysu region
- 9= Батыс Қазақстан облысы / Западно-Казахстанская область / West-Kazakhstan region
- 10= Қарағанды облысы / Карагандинская область / Karaganda region
- 11= Қостанай облысы / Костанайская область / Kostanay region
- 12= Қызылорда облысы / Кызылординская область / Kyzylorda region
- 13= Маңғыстау облысы / Мангистауская область / Mangistau region
- 14= Павлодар облысы / Павлодарская область / Pavlodar region
- 15= Солтүстік Қазақстан облысы / Северно-Казахстанская область / North Kazakhstan region
- 16= Түркістан облысы / Туркестанская область / Turkestan region
- 17= Атырау облысы / Улытауская область / Ulytau region
- 18= Алматы / Алматы / Almaty
- 19= Астана / Астана / Astana
- 20= Шымкент / Шымкент / Shymkent

## 11. ECDC Monitoring Indicators

European countries, like many others, report a range of progress indicators on their HIV response to ECDC, or via ECDC to UNAIDS. The indicators monitored by ECDC include those related to the **Dublin Declaration Monitoring (DDM)** for HIV, as well as additional indicators for sexually transmitted infections (STIs) and viral hepatitis.

The DERIVED VARIABLES listed below are intended to support the reporting of comparable indicators specifically for men who have sex with men (MSM).

Variable names are abbreviations of key concepts, indicating what each variable measures. For example:

- **HIV\_CoC-6** refers to HIV Cascade of Care stage 6 (people living with HIV who have suppressed viral loads),
- **STI\_test12m\_ns** represents the proportion tested for STIs in the previous 12 months among those with non-steady partners in the same period,
- **Mpox\_dx** refers to the proportion of participants ever diagnosed with Mpox.

All are binary indicators; respondents who are not eligible for a given indicator are coded as missing.

EMIS was not originally designed to produce these indicators; the following represent the best available approximations. In particular, **infection prevalence** (e.g., HIV, syphilis) cannot be reliably derived from self-reported survey data. However, given the widespread availability of rapid testing for HIV and syphilis among MSM, self-reported ever diagnosed HIV and recently diagnosed syphilis serve as the most appropriate proxies within the EMIS framework.

For the **ECDC Monitoring Indicator** tables delivered directly to ECDC, **we excluded** respondents living the following four countries: **Iceland, Albania, Montenegro, Kosovo** (because of small sample sizes), and we also **excluded** answers from **trans women** and **non-binary individuals assigned female sex at birth (AFAB)**—representing 1.9% of the total EMIS-2024 sample—in order to match the **MSM sampling frame**.

### ECDC Monitoring Indicators (2024) and required variables

Indicator Name	Indicator Headline	Numerator (EMIS variables)	Denominator (EMIS variables)
<b>Morbidities (5)</b>			
HIV_dx	HIV diagnosis prevalence among key populations	[Q057=2]	All
HIV_12m_tested	Number of men testing positive for HIV previous 12 months.	[Q061new=2]	Men tested for HIV previous 12 months [Q061new=2   Q089<=5]
Hep_coHIV	Prevalence of hepatitis and coinfection with HIV among key populations (HBV+HCV)	[Q057=2 & Q143=3   Q057=2 & Q148=3]	Men living with HIV [Q057=2]
Syph_12m_tested	Syphilis prevalence among key populations (syphilis diagnosed/treated previous 12 months)	[Q163<=5]	All who had an STI test previous 12 months [Q150<=5]
Mpox_dx	Mpox diagnosis ever	[Q416=3]	All

<b>Behaviours (6)</b>			
Safer_sex_nsAI	Consistent condom use with non-steady partners or PrEP use or VL undetectable	[Q186=5   Q114=2   Q114=4   Q088_bin=1]	People reporting non-steady AI partners previous 12m [Q184>0]
PrEP_current_nsAI	Number of men currently using PrEP	[(Q114=2   Q114=4) & Q114B<=5]	People reporting non-steady AI partners previous 12m, not diagnosed with HIV [Q184>0 & Q057=1]
PrEP_starter	Started taking PrEP in 2023/24	[(Q114 = 2   Q114 = 3   Q114 = 4) & Q114A=2023/2024]	People ever having taken PrEP [Q114=2   Q114=3   Q114=4]
HIV_risk_nsAI	Condomless anal intercourse <b>with a non-steady partner of unknown HIV status</b> , no PrEP use, no U=U <i>(the bolding indicates how this indicators differs from 1- "Safer_sex_nsAI", in order to include some level of HIV-serosorting as a prevention strategy)</i>	[Q191=2 & (Q114=1   Q114=3   Q114=5   Q088_bin=2)]	People reporting non-steady AI partners previous 12m [Q184>0]
Doxy_ns	Number of men with Doxy-PEP/PrEP use previous 12 months	[Q410<=5]	People reporting non-steady partners previous 12m [Q183>0]
Chemsex_4w	Individuals with stimulant drug use previous four weeks: prevalence	[Q368<4]	All
<b>Needs (3x2)</b>			
Violence_exp_HIVdx Violence_exp_noHIV	Physical and/or sexual violence experienced by key populations previous 12 months	[Q399A<=5   Q399B<=5   Q399ATransV<=5   Q399BTransV<=5]	All, stratified by HIV diagnosis
Stigma_exp_HIVdx Stigma_exp_noHIV	Stigma and discrimination experienced by key populations previous 12 months	[Q386<=5   Q387<=5   Q386TransV<=5   Q387TransV<=5]	All, stratified by HIV diagnosis
Stigma_anticip_HIVdx Stigma_anticip_noHIV	Avoidance of health care among key populations because of stigma and discrimination previous 12 months	[Q384<=5   Q385<=5   Q384TransV<=5   Q385TransV<=5]	All, stratified by HIV diagnosis

<b>Interventions (18)</b>			
<b>Vaccines (4)</b>			
HAV_vacc	Coverage of HAV vaccination	[Q141=3]	People who were never diagnosed with HAV [Q141!=1]
HBV_vacc	Coverage of HBV vaccination	[Q143=4   Q143=6]	People who were never diagnosed with HBV [Q143!=1 & Q143!=3]
HPV_vacc	Coverage of HPV vaccination	[Q171D=4]	People knowledgeable about HPV [Q171C=1]
Mpox_vacc	Coverage of Mpox vaccination	[Q417=3   Q417=4   Q417=5]	All
<b>PrEP and Condoms (2)</b>			
PrEP_access	Multiple-choice question: Where did you get your PrEP pills from (GP, private practice, clinic, community-health service, physical pharmacy)	[Q124=2   Q125=2   Q126=2   Q127=2   Q129=2]	People ever having taken PrEP [Q114=2   Q114=3   Q114=4]
Condom_free	Multiple-choice question: Where have you got condoms from the the past 12m (free from clinics, free from bars/clubs, free from saunas, free from NGOs)	[Q317=2   Q318=2   Q319=2   Q320=2]	All
<b>Testing (5)</b>			
HIV_test12m	HIV testing previous 12m	[Q089<=5   Q061new=2]	All except diagnosed HIV over 12 months ago [Q061new>0]
CBVCT_test	Testing modalities coverage: community-based HIV-testing	[Q062=5   Q062=9   Q062=10   Q090=5   Q090=9   Q090=10]	All ever tested for HIV [Q056=2]
Self_sampling	Testing modalities coverage: self-sampling for HIV-testing	[Q062=7   Q090=7]	All ever tested for HIV [Q056=2]
Self_testing	Testing modalities coverage: self-HIV-testing	[Q062=8   Q090=8]	All ever tested for HIV [Q056=2]
STI_test12m_ns	Proportion with test for STIs previous 12 months among people with non-steady partners previous 12 months	[Q150<=5]	People reporting non-steady partners previous 12m [Q183>0]

<b>STI and hepatitis treatment (3)</b>			
Syph_tx	Proportion treated for syphilis among those diagnosed with syphilis, past 12m	[Q166B =2   Q166B =3   Q166B=4]	Diagnosed with syphilis past 12m [Q166 <=5]
Gono_tx	Proportion treated for gonorrhoea among those diagnosed with gonorrhoea, past 12m	[Q163A =2]	Diagnosed with gonorrhoea past 12m [Q163 <=5]
HBV_tx	Proportion receiving specialist care for chronic hepatitis B	[Q143A =2]	Chronic hepatitis B [Q143=3]
<b>HIV cascade of care (4)</b>			
HIV_coc3	Linked to care (stage 3)	[Q064<=7]	People diagnosed with HIV [Q057=2]
HIV_coc4	Retained in care (stage 4)	[Q064<=4   Q078=2]	People linked to care (stage 3)
HIV_coc5	Receiving ART (stage 5)	[Q078=2]	People retained in care (stage 4)
HIV_coc6	Suppressed viral load (stage 6)	[Q078 = 2 & Q088=1]	People receiving ART (stage 5)