



# EMIS-2017

## plan for data analysis, including a manual with descriptions of parameters and coding values (D4.1)

**Contract 2015 71 01** A behavioural survey for HIV/AIDS and associated infections and a survey and tailored training for community based health workers to facilitate access and improve the quality of prevention, diagnosis of HIV/AIDS, STI and viral hepatitis and health care services for men who have sex with men (MSM).



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# EMIS-2017 plan for data analysis, including a manual with descriptions of parameters and coding values (D4.1)

Consumers, Health, Agriculture and Food Executive Agency  
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## About this report

This report was prepared as part of the ESTICOM (European Surveys and Training to Improve MSM Community Health) tender, which is a three-year tender from 27 August 2016 to 26 August 2019 funded by the Consumers, Health, Agriculture and Food Executive Agency (CHAFAEA) of the European Commission. The ESTICOM tender involves 9 European organisations in a consortium led by the Robert Koch Institute (RKI) in Berlin.

The purpose of the ESTICOM tender is to strengthen the community response and raise awareness about the persisting legal, structural, political and social barriers hindering a more effective response to the syndemics of HIV, hepatitis viruses B and C, and other sexually transmitted infections (STI) among gay, bisexual and other men that have sex with men (MSM). To achieve this purpose, the consortium will deliver on three inter-linked objectives during the term of the contract:

- **Objective 1:** A European online survey of gay, bisexual and other MSM (**EMIS 2017**);
- **Objective 2:** A European online survey of community health workers (CHW) who provide sexual health support in a community setting directly to gay, bisexual and other MSM (**ECHOES**);
- **Objective 3:** Development and piloting of a training programme for MSM-focused CHW to be adaptable for all EU countries.

This report falls under Objective 1 which is built on four Work Packages (WP): a review of MSM knowledge, attitudes and practices relating to the sexual health of gay, bisexual and other MSM, including existing surveys and training materials (WP1); a pan-European MSM survey design (WP2); promotion and execution of the survey (WP3) and; an analysis and survey report (WP4).

The tender specification for this report (Work Package 4) was outlined as follows:

“The overarching task of WP4 is to move from a complete uncleaned MSM dataset to a **Final European MSM Survey Report**, that is wholly acceptable to the contracting authority, that effectively describes the knowledge, attitudes and practices of gay men, bisexual men and other men that have sex with men (MSM) across the European Union.”

This deliverable concerns the first key task of Work Package 4 in which:

- We will merge all language versions of the survey and sort and clean the whole dataset as soon as the MSM survey is closed and produce and deliver a robust and exhaustive **plan for data analysis, including a variable manual with descriptions of parameters and coding values** (D4.1).

This deliverable was written and prepared by members of Objective 1, Work Package 4:

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## 1. Introduction

This report is Deliverable 4.1 of ESTICOM (European Surveys and Trainings to Improve MSM Community Health) funded as part of the European Commission Health Programme 2014-2020 to deliver evidence about the sexual health of gay men, bisexual men and other MSM across Europe. It was first submitted on 30<sup>th</sup> May 2018. Based on feedback received since, it has been updated to 27<sup>th</sup> August and is re-submitted here to form part of the ESTICOM Year 2 Progress Report.

Alongside the Robert Koch-Institute (RKI) in Berlin, Sigma Research at the London School of Hygiene & Tropical Medicine (LSHTM) will lead on the Objective 1, an online survey similar to the European MSM Internet Survey (EMIS) that occurred in 2010. Objective 1 contains the first four Work Packages (WP 1-4) of ESTICOM and will be known as EMIS 2017.

EMIS 2017 is coordinated by Sigma Research at the London School of Hygiene and Tropical Medicine (LSHTM) in association with the Robert Koch-Institute (RKI) in Berlin. Between them, these two organisations will deliver all work packages associated with Objective 1 (EMIS 2017).

The overall aim of the MSM survey 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

- 1) by comparing with the results of previous surveys,
- 2) by describing the level and distribution of HIV transmission risk and precautionary behaviours, related HIV prevention needs, and
- 3) by assessing self-reported STI testing behaviours, testing performance, and various STI diagnoses, including viral hepatitis.

The survey is preceded and informed by a review of evidence undertaken as Work Package 1. The review assesses and summarises evidence on the prevalence and incidence of HIV and STIs including viral hepatitis (B/C); the risk and precautionary behaviours of gay men, bisexual men and other MSM with regard to HIV and other STIs. It also includes a policy and practice mapping exercise considering the likely barriers (legal, structural, provider and individual) for the effective implementation of prevention, diagnosis and treatment interventions targeting MSM.

The aim of this deliverable is to describe how we intend to “move from a complete uncleaned MSM dataset to a **Final European MSM Survey Report**, that is wholly acceptable to the contracting authority, that effectively describes the knowledge, attitudes and practices of gay men, bisexual men and other men that have sex with men (MSM) across the European Union.”

This report comprises three main Sections including this introductory part.

Section Two provides a short summary of methods utilised to execute the EMIS-2017 survey since the delivery of the final version of the last contract deliverable (D3.2) at the end of August 2017.

Section Three summarises the next steps we propose in the journey towards a Final European MSM Survey Report.

## 2. EMIS 2017 fieldwork (work package 3)

Our previous work package 3 deliverables concerned our proposed Promotion Plan and MSM Recruitment Strategy for EMIS 2017 (D3.1) and the Survey Protocol and hosting strategy for EMIS 2017 (D3.2). These deliverables were first submitted in May 2017, then updated following feedback, and re-submitted at the end of August 2017.

We spent September and the early part of October 2017, translating the signed-off questionnaire into 32 languages other than English so the questionnaire was available simultaneously in 33 languages. These 33 languages included 23 EU country primary languages (Bulgarian, Croatian/Serbian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Latvian, Lithuanian, Maltese, Polish, Portuguese, Romanian, Slovak, Slovenian, Spanish and Swedish); and another 7 primary languages from other countries in the EU Health Programme; European Neighbourhood Policy; or the EU Enlargement areas (Albanian, Arabic, Hebrew, Macedonian, Norwegian, Turkish, Ukrainian). The survey was also available in Filipino Tagalog, Filipino Cebuano and Russian. EMIS could be completed in any of 33 languages. The questions were identical in every language. Partially completed surveys (moving away from the website before pressing 'submit' at the end of the survey) were not captured.

PDFs of all the language-versions of the questionnaire are available at:

<http://sigmaresearch.org.uk/questionnaires/tags/tag/EMIS-2017>

and on the ESTICOM website

<https://www.esticom.eu/Webs/ESTICOM/EN/emis-2017/survey-questionnaire/survey-questionnaire-node.html>

All online promotional materials for EMIS 2017 used the basic blue-hands image previously agreed. All required online promotional materials were provided to national leads by Sigma Research (designed by Sparkloop®, who are an external contractor managed by LSHTM) adapted to the size and resolution required by each online platform and including additional words, in the required language for the country. Ultimately we provided partners with 211 online advertisements in 31 different languages.

EMIS 2017 was live and collecting data in 57 countries between 18<sup>th</sup> October 2017 and 31<sup>st</sup> January 2018. There were 144,305 cases in the consolidated dataset at the close. 46 cases were online tests, undertaken during the final stages of piloting, leaving 144,259 submissions. Non-qualifiers were cases who did not meet the criteria for inclusion, which were: living in specified countries and territories; identifying as a man or trans man; sexually attracted to men and/or having had sex with men. A total of 137,358 cases (95.3% of submitted) met the qualifying criteria. The number of cases submitted, the number of non-qualifiers and the number of qualifying cases in each qualifying country is given in the Variable Manual (Appendix 1).



### 3. Next steps

EMIS 2017 was a multi-language, internet based, self-completion survey for men-who-have-sex-with-men living in a specified list of European countries or one of a limited number of countries outside Europe. The survey was designed to indicate the levels and distributions of sexual health outcomes, risk and precaution behaviours, health promotion needs and the coverage (or uptake) of interventions.

Merging, sorting and cleaning of the EMIS 2017 dataset began as soon as the survey closed at the end of January 2018. As part of the data cleaning and sorting process, an initial descriptive and exploratory data analysis was undertaken to verify data consistency and to identify differences and similarities between countries and language groupings. Data cleaning and checking occurred alongside the generation of a Variable Manual that describes all the variables in the EMIS 2017 datasets. The survey questions have been numbered sequentially and that number is the name of the variable.

Our **Variable Manual** is attached as Appendix 1. It describes:

- Cases Submitted and Non-Qualifiers
- Questionnaire Content: Conceptual Overview
- Corrections, Question Denominators & Missing Data
- Inconsistent Data
- Standard & Modified Response Sets
- Case Variables
- The Questionnaire
- Country Response Set
- Region Response Sets
- Acknowledgments

National datasets based on country of residence, have been prepared for all 43 countries with over 100 resident respondents. 43 national datasets are available, including all 38 countries with a viable national sample in EMIS 2010 plus Canada, Iceland, Israel, Lebanon and the Philippines. The 43 countries with 100+ respondents are:

Austria	France	Macedonia (fYRoM)
Belarus	Germany	Malta
Belgium	Greece	Moldova
Bosnia and Herzegovina	Hungary	Netherlands
Bulgaria	Iceland	Norway
Canada	Ireland (Republic)	Philippines
Croatia	Israel	Poland
Cyprus	Italy	Portugal
Czech Republic	Latvia	Romania
Denmark	Lebanon	Russia (Federation)
Estonia	Lithuania	Serbia
Finland	Luxembourg	Slovakia

Slovenia  
Spain  
Sweden

Switzerland  
Turkey  
Ukraine

United Kingdom

The following 6 countries and states did not reach 100 qualifying cases. Cases are included in the data sets of adjoining or surrounding countries:

- Andorra (18 cases) – included in both the France and Spain datasets.
- Liechtenstein (5 cases) – included in the Switzerland dataset.
- Monaco (8 cases) – included in the French dataset.
- San Marino (4 cases) – included in the Italy dataset
- Vatican City (3 cases) – included in the Italy dataset.
- Greenland (1 case) - included in the Denmark dataset.

The following 3 countries did not reach the threshold of 100 cases and are currently not included in any national dataset.

- Albania (55 cases)
- Montenegro (77 cases)
- Kosovo (UNSCR 1244) (39 cases)

A standard Data Transfer Agreement (DTA) was agreed with the funder and RKI at the end of July 2018. To 27<sup>th</sup> August 2018, 13 national datasets have been distributed to partners who wish to take responsibility for national data reporting – these are from Austria, Belgium, Canada, Denmark, Estonia, Finland, France, Lebanon, Malta, Netherlands, Norway, Portugal and Slovenia. We have already supplied these national datasets in IBM SPSS Statistics 24 format, annotated with the survey questions (variable labels) and responses (value labels) and accompanied by our Variable Manual (Appendix 1).

### **3.1 Preparation of a draft European MSM Survey report (D4.3)**

Work is already underway on a full draft European MSM survey report (D4.3), suitable for consideration by the Contracting Authority and its nominees, based on the report structure outlined in the Berlin Meeting in late April 2018, and described in detail below. Our European MSM survey report will include a vast amount of data, described relatively simply in the structure outlined below. The first draft of the report has been agreed for month 26 (end of October 2018).

Below we outline our analysis plan and proposed reporting structure, which will guide development of our full draft European MSM survey report (D4.3). The structure proposed is identical to the way in which we structured all presentations at the ESTICOM Berlin Expert Meeting in late April 2018, which we felt were well received. Since draft 1 of this deliverable (D4.1) in response to feedback we have updated the following to describe clearly where certain key variables are proposed to be included in the Final Report.

Based on feedback on version 1 of this document (D4.1) we believe the following two key decisions have been made for the draft European MSM survey report (D4.3). These concern which country samples to include in the narrative description of the findings throughout the report AND the order of countries to include in the summary country data tables, irrespective of which countries are included in the narrative.

### 3.1.1 Agreement on country inclusion in the report narrative

Based on feedback to our previous version of this deliverable (D4.3) we believe the final decision on which country samples to include in the narrative (descriptive) text throughout our entire European MSM survey report (D4.3) is **PROPOSAL 1a**.

**PROPOSAL 1a:** All EU member states + all EFTA countries + EU enlargement countries + ENP South and East countries + Russia (41 countries excluding only Canada and Philippines).

### 3.1.2 Agreement on inclusion and ordering in the country data tables

We propose to include all 43 countries with a viable sample of 100+ MSM in the data tables and sought advice on the order of presentation, in the previous draft of this deliverable. This decision is completely independent of the decision on the volume of countries included in the main narrative of the report (see section 3.1.1 above). Based on feedback to our previous version of this deliverable (D4.3) we believe the final decision on which order to include country samples in the data tables throughout our entire European MSM survey report (D4.3) is **PROPOSAL 2a**.

**PROPOSAL 2a:** The country data tables summarising the key variables in each chapter show the main findings by country for all EU countries; EFTA countries; EU enlargement countries; ENP countries; and all other countries (Russia, Canada and Philippines).

Recruits	Country	Variable 1	Variable 2	Variable 3	Variable 4	Variable 5	Variable 6
107,946	All EU member states						
2705	Austria						
3038	Belgium						
1177	Bulgaria						
1015	Croatia						
307	Cyprus						
1897	Czech Republic						
1698	Denmark						
212	Estonia						
1409	Finland						
10996	France						
23107	Germany						
2909	Greece						
2176	Hungary						
2082	Republic of Ireland						
11025	Italy						
251	Latvia						
370	Lithuania						
169	Luxembourg						
299	Malta						
3851	Netherlands						
4024	Poland						
2555	Portugal						
2002	Romania						
1003	Slovakia						
685	Slovenia						
10652	Spain						
4443	Sweden						
11889	United Kingdom						

6,451	<b>All EFTA countries</b>						
111	Iceland <sup>§</sup>						
2957	Norway <sup>§</sup>						
3383	Switzerland						
3,473	<b>EU Enlargement areas</b>						
232	Bosnia & Herzegovina <sup>§</sup>						
175	Macedonia (fYRoM)						
1041	Serbia <sup>§</sup>						
1855	Turkey						
3,670	<b>ENP countries</b>						
440	Belarus						
257	Lebanon						
1274	Israel						
498	Moldova <sup>§</sup>						
1201	Ukraine						
6247	Russia						
6059	Canada						
3507	Philippines						

<sup>§</sup> non-EU countries taking part in the EU Health Programme

### 3.2 Proposed Final Report Structure

Our proposed Final Report for EMIS is planned to be largely descriptive. It is not attempting to test theories about the validity of, or relationship between variables (for example, by looking at associations between health outcomes and risk behaviours, or between prevention needs and prevention interventions).

The goal 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/STI transmission risk and precautionary behaviours, related HIV prevention needs, and by assessing the coverage of interventions (including clinical services). In the Expert Meeting (Berlin, April 2018) we described how we intended to achieve this goal by presenting all the EMIS 2017 variables collated into five major groups which will constitute the five central sections (chapters 3 to 7) of the report.

1. **Introduction:** Where did this survey come from and what is it for?
2. **Methods:** What we did to collect the data
3. **Demographics:** descriptive things about people we are not trying to change
4. **Morbidity:** health outcomes we are trying to change
5. **Behaviours:** things that people do that cause (risks) or detract from (precautions) morbidities
6. **Needs:** opportunities, capabilities and motivations for risk and precaution behaviours
7. **'Interventions':** actions of others that meet or undermine needs
8. **Differences across groups:** How unequally distributed are sexual morbidities, behaviors and needs and interventions?
9. **A snapshot of non-steady sex between men:** Characteristics of the last sexual session with a new partner
10. **Recommendations:** Priorities for MSM sexual health promotion

Chapters 1 and 2 will describe how and why the survey was commissioned and what it was intended to achieve (Chapter 1) and how we undertook the task (Chapter 2).

Chapter 3 will describe the sample based on all known demographic characteristics. It ends by identifying several key demographic variables which are meaningful for sexual

health promotion planners (that is, targetable and tailorable characteristics). These characteristics are carried forward to chapter 8 to facilitate description of the variation in morbidities, behaviours, needs and interventions.

Chapters 4, 5, 6 and 7 describe the overall responses to the indicators in that section and identifies key indicators from that section.

Chapter 8 considers how those key variables differ across the key demographic groups identified in Chapter 1. Chapter 8 looks at how key indicators of morbidities, risk and precaution behaviour, needs, and intervention performance vary across key demographics. These findings will be used to identify priority groups for prevention (in chapter 10)

Chapter 8 also examines especially vulnerable groups (or doubly vulnerable groups of MSM).

Chapter 9 describes the characteristics of the last sexual session with a non-steady partner, including how and where the partner was met, the sex that occurred and any drugs or alcohol implicated in the sexual session.

Chapter 10 makes recommendations for actions arising from the findings described.

## **1. INTRODUCTION**

- 1.1. CHAFAEA and The Health Programme**
- 1.2. EMIS 2017 Research aims and objectives**

## **2. METHODS**

- 2.1. Inclusion criteria**
  - 2.1.1. For the survey
  - 2.1.2. For this report
- 2.2. Survey development**
- 2.3. Recruitment procedures**
- 2.4. Participation and attrition**
  - 2.4.1. Languages used for survey completion
- 2.5. Sources of recruitment**

## **3. DEMOGRAPHICS**

- 3.1. Sex at birth and gender identity**
- 3.2. Age**
- 3.3. Country or residence and settlement size**
- 3.4. Ethnic minority status**
- 3.5. Migration**
- 3.6. Education, employment and financial coping**
- 3.7. Sexual attraction, sexual identity and outness**
- 3.8. Partnerships status**
- 3.9. Buying and selling sex**
- 3.10. National variation in demographics (country tables)**

## **4. MORBIDITIES**

- 4.1. Mental misery**
  - 4.1.1. Anxiety/ depression (PHQ4)
  - 4.1.2. Suicidal ideation
  - 4.1.3. Sexual unhappiness
  - 4.1.4. Alcohol dependency (CAGE4)
- 4.2. Sexually transmitted infection diagnoses**
  - 4.2.1. Prevalence and incidence of HIV diagnoses
  - 4.2.2. Unsuppressed HIV

- 4.2.3. Most recent diagnoses of syphilis, gonorrhoea and chlamydia
- 4.2.4. First diagnosis of anal or genital warts (HPV infection)
- 4.2.5. Past and current Hepatitis C infection

#### **4.3 National variation in morbidities (country tables)**

### **5. RISK AND PRECAUTION BEHAVIOURS**

#### **5.1 How common and swift is taking HIV treatment among men with HIV?**

- 5.1.1 Prevalence of HIV antiretroviral treatment taking
- 5.1.2 Time between diagnosis and treatment

#### **5.2 How common is seeking and taking HIV PEP and PrEP?**

- 5.2.1 Seeking and taking PEP
- 5.2.2 Seeking and taking PrEP

#### **5.3 How common is being vaccinated against hepatitis A and B**

#### **5.4 What kind of sex is going on?**

- 5.4.1 Age at first sexual experiences with men
- 5.4.2 Recency of sexual experiences
- 5.4.3 Partner numbers: Steady & non-steady sex with men in last year
- 5.4.4 Condom use in non-steady sex with men
- 5.4.5 Risk mitigation in condomless intercourse with non-steady male partners
- 5.4.6 Having sex with women

#### **5.5 How common is recreational drug use?**

- 5.5.1 How common is the use of legal drugs
- 5.5.2 How common is the use of illicit drugs

#### **5.6 Injecting drugs**

- 5.6.1 How common is injecting drugs?
- 5.6.2 How common is sharing injecting equipment?
- 5.6.3 How frequently do injectors inject?
- 5.6.4 Which drugs are being injected?

#### **5.7 How common is the combining of sex and drugs?**

- 5.7.1 How much sex occurs under intoxication?
- 5.7.2 What is more common, sober sex or chemsex?
- 5.7.3 What are the features of chemsex?

#### **5.8 National variation in behaviours (country tables)**

### **6. NEEDS**

#### **6.1. Unmet needs related to all health behaviours**

- 6.1.1. Lack of social support
- 6.1.2. Internalised homonegativity

#### **6.2. Unmet needs for safer sex**

- 6.2.1. Low self-efficacy: Safe as I want to be and Easy to say 'no'
- 6.2.2. Poor condom access: recency of condomless intercourse because no condom
- 6.2.3. Low HIV and STI transmission knowledge

#### **6.3. Unmet needs for safer drug use: drug use concern**

#### **6.4. Unmet needs for PEP use (Post-Exposure Prophylaxis)**

- 6.4.1. Unaware of PEP
- 6.4.2. Low PEP knowledge
- 6.4.3. Lack of confidence to access PEP

#### **6.5. Unmet needs for PrEP use (Pre-Exposure Prophylaxis)**

- 6.5.1. Unaware of PrEP
- 6.5.2. Low PrEP knowledge
- 6.5.3. No intention to use PrEP

#### **6.6. Unmet needs for HIV testing & treatment**

- 6.6.1. Low HIV test/treat knowledge
- 6.6.2. HIV status uncertainty
- 6.6.3. Not knowing where to get an HIV test

- 6.6.4. Lack of access to ART: not taking and stopping
- 6.7. Unmet needs for viral hepatitis vaccination**
  - 6.7.1. Low hepatitis A & B knowledge
  - 6.7.2. Not knowing where to get hepatitis A and B vaccination
- 6.8 National variation in needs (country tables)**
  - 6.8.1 What are commonly unmet sexual health needs among MSM in Europe?

## 7. INTERVENTIONS

- 7.1. Homophobic abuse: how common are intimidation, name-calling, violence?**
- 7.2. Who is distributing condoms?**
- 7.3. Substance use services: how far are drug and alcohol services penetrating?**
- 7.4. PrEP (Pre-Exposure Prophylaxis) services**
  - 7.4.1. Who has spoken to MSM about PrEP?
  - 7.4.2. How common are prescriptions and speaking to a healthcare professional before using PrEP
  - 7.4.3. Who is prescribing PrEP?
  - 7.4.4. Where are PrEP pills coming from?
- 7.5. HIV/STI education services: penetration of information**
- 7.6. HIV testing services**
  - 7.6.1. How far have HIV test offers penetrated?
  - 7.6.2. How far is HIV testing penetrating?
  - 7.6.3. Who is providing HIV testing and diagnosis?
  - 7.6.4. How acceptable is post HIV test support?
  - 7.6.5. How far is HIV infection monitoring penetrating?
- 7.7. How far are offers of hepatitis vaccination penetrating?**
- 7.8. STI testing services**
  - 7.8.1. How far are STI tests penetrating (among asymptomatic men)?
  - 7.8.2. Are STI test providers aware of clients' sexuality?
  - 7.8.3. How comprehensive are STI screenings?
- 7.9. Partner notification for syphilis and gonorrhoea diagnoses**
- 7.10. National variation in interventions (country tables)**

## 8. HEALTH INEQUALITIES

- 8.1. Age inequalities**
- 8.2. Education inequalities**
- 8.3. Outness inequalities**
- 8.4. Relationship status inequalities**
- 8.5. Unemployed and medically retired men inequalities**
- 8.6. HIV-diagnosed men inequalities**
- 8.7. Trans MSM inequalities**
- 8.8. Sex working MSM inequalities**
- 8.9. Injecting MSM inequalities**
- 8.10. Migrant inequalities**

## 9. A SNAPSHOT OF NON-STEADY SEX BETWEEN MEN

- 9.1. Number of partners involved and whether they had sex before**
- 9.2. How and where partners meet and where sex happens**
- 9.3. What men say about HIV and PrEP and what they think about their partners**
- 9.4. The kinds of sexual acts involved: anal, condoms, ejaculation, other sex acts**
- 9.5. Accompanying drugs and their administration**
- 9.6. How men rate the sexual session?**

## 10. RECOMMENDATIONS



- 10.1. Towards better sex with the less harm
- 10.2. Priority aims for sexual health promotion among MSM
- 10.3. Priority target groups for sexual health promotion among MSM

### 3.3 Meeting the primary goals of the contract

The tender through which ESTICOM was funded required that “Priority areas of analysis **may** include, but should not be limited to, comparability of national samples, differences between countries, comparison between groups of different EU and neighbouring countries, MSM mobility: extent, impact and consequences of migration in the EU epidemic, the use of mobile technologies and new psychoactive substances, double/triple vulnerabilities, access to treatment and prevention measures including condoms, lubricants, PrEP/PEP; and HIV/AIDS, STI, and viral hepatitis risk management strategies. Discrimination and stigma in the community and in access to health services.

Our response to the tender (our bid) reflected these aspirations by stating that “Priority areas for preliminary analysis may include, but will not be limited to:

1. Comparability of national samples and differences between countries; and between groups of different EU and neighbouring countries;
2. MSM mobility: extent and consequences of migration into and within the EU;
3. The use of mobile technologies and its impact on partner numbers and sexual risk taking;
4. The use of (new) psychoactive substances and their impact on sexual risk taking;
5. HIV care cascades for MSM in all participating countries;
6. Experience of stigma and discrimination;
7. Health service utilisation among MSM;
8. Access to prevention resources including condoms, lubricants, PEP, and PrEP;
9. HIV and STI (including viral hepatitis) risk management strategies;
10. Trends in ECDC core indicators.”

Using these 10 core aims for the final report we describe below, how they will be met.

#### **1. Comparability of national samples and differences between countries; and between groups of different EU and neighbouring countries**

In the final report for EMIS-2017 we intend to show country level variation in key variables via the use of country data tables at the end of each chapter. Using the format agreed in section 3.1.1 of this deliverable we will include country summary tables at the end of chapters 3, 4, 5, 6, and 7. This enables national partners to read the narrative of the chapter, including the summary percentages for the whole sample but see the precise percentages for their own country. At the Berlin Expert meeting we proposed to include these country data tables in the draft European MSM survey report (D4.3) and that proposal was very well received.

#### **2. MSM mobility: extent and consequences of migration into and within the EU**

In Chapter 3 (Demographics) we intend to describe where people live (country of residence) and the proportion born outside their current country of residence. Chapter 8 will examine how morbidities, behaviours, needs and intervention uptake vary between men living in the country they were born in (87%); those who came to the country they live in as an asylum seeker/refugee (1%); those who came to the country they live in to live more openly as gay/bi/trans but are not refugees or asylum seekers (2%); and those not living in the country they were born in, who are not refugees/asylum seekers, nor moved to the country they live in to live more openly as gay/bi/trans (10%).

**3. *The use of mobile technologies and its impact on partner numbers and sexual risk taking***

Chapter 8 examines use of mobile technologies to facilitate their last sexual encounter with a new non-steady partner (section 9.2) including the use of apps such as Romeo, Grindr, and Hornet and the impact this had on the kinds of sex involved (section 9.4).

**4. *The use of (new) psychoactive substances and their impact on sexual risk taking***

Chapter 5 examines drug use as a behaviour; addressing how common use of 18 specified drugs are across the sample (in section 5.5 using recency curves) and how common injecting drug use is (section 5.6). Chapter 5 also examines how common it is to combine sex and drug use (section 5.7).

Chapter 9 also examines the use of drugs in the context of the last sexual encounter with a new non-steady partner (section 9.5) and the impact this might have had on the kinds of sex involved (section 9.4).

**5. *HIV care cascades for MSM in all participating countries***

EMIS 2017 included indicators for all stages of the HIV care cascade following diagnosis: linkage and retention in care (section 7.6.5), taking antiretroviral treatment (section 5.1.1) and viral suppression (section 4.2.2). The country summary tables at the end of chapters 7, 5 and 4 will include country level data to build these elements of the self-reported cascade.

**6. *Experience of stigma and discrimination***

The survey included the short internalised homonegativity scale (section 6.1.2) which measures self-stigma and is correlated with national indicators of anti-gay discrimination. The survey also included three measures of anti-gay discrimination and abuse (section 7.1). Further measures of stigma and discrimination were not prioritised by the EMIS partners through the questionnaire development process.

**7. *Health service utilisation among MSM***

Chapter 7 reports on the utilisation or uptake of a range of health service interventions (including differential uptake by country), and chapter 8 considers how uptake varies across key demographics and doubly vulnerable groups.

**8. *Access to prevention resources including condoms, lubricants, PEP, and PrEP***

Indicators of opportunities to use condoms, PEP and PrEP are reported in chapter 6.

**9. *HIV and STI (including viral hepatitis) risk management strategies***

Chapters 5-7 all describe the most common HIV and STI risk management strategies among the sample. Chapter 5 describes sexual risk behaviour and the associated precautionary behaviours, including seeking and using condoms, seeking and using PEP and PrEP and taking ARTs. Chapter 6 describes the needs associated with the management of risk including knowledge and social support; plus awareness of, and easy access to resources such as condoms or PEP and PrEP and awareness of STI screening; HIV testing; safer drug use; Hepatitis vaccination; PEP; PrEP etc. Chapter 7 describes access to interventions including substance use services; PrEP services; HIV/STI education services; HIV testing services; hepatitis vaccination and STI testing services etc.

**10. *Trends in ECDC core indicators.***

While a report on this vast scale cannot address all aspects of change between EMIS 2010 and 2017, we will highlight basic change in all ECDC indicators as they

arise in the described structure of the report, and do the same for other core variables present in both 2010 and 2017. These headline basic comparisons will occur throughout Chapters 3 to 7. More robust analyses looking at change from 2010-2017 requires a rigid control for sampling differences and multi-variable approaches which will be prioritised in subsequent journal articles.

The notion of “**double/triple vulnerabilities**” was articulated in the invitation to tender but not addressed directly in our bid in response. Based on conversations with the Commission and feedback from the Expert meeting in Berlin we propose to address this requirement in Chapter 8. Chapter 8 will examine how morbidities, behaviours, needs and intervention uptake vary across some of the key demographic variables (Age; Education; Outness; Relationship status; Unemployed and medically retired men; and HIV status) and how it varies across key population groups including Trans MSM; sex working MSM; MSM who inject drugs; and migrants (including both internal migrants in the EU and asylum seekers and refugees born outside Europe).

We agree that in many respects young MSM form a population of increased risk; however, as age is a key demographic, young men are not singled out as a special group, but are included in all tables and figures that examine the distribution of a variable by age (section 8.1).

EMIS-2017 did not recruit MSM living in prison. Surveying current prisoners is outside of our sampling framework and would have required a different sampling approach. This limitation was discussed and agreed in the Brussels meeting in May 2017.

### **3.4 Other outputs planned**

The main survey report (structure above) will necessarily be a large-scale overview of the entire range of data collected in EMIS 2017. Alongside this primary report, we plan to facilitate or generate a range of other key outputs, including online maps representing the data; National Country Reports; EMIS Community Feedback Reports; and a series of peer-reviewed journal articles. All these outputs sit outside the contractual deliverables.

#### **3.4.1 Maps of the key variables by country**

We have been working closely with staff at ECDC to investigate the representation of key EMIS 2017 variables by country utilising a series of online maps, prepared using the standard ECDC mapping software. While a limited number of these maps may appear in the final printed report, a larger volume will be hosted online with perma-link web addresses provided in the final report. We have worked with ECDC and RKI to prepare maps showing the findings by country for all the current Dublin Declaration Monitoring indicators, and ECDC have offered to host these maps online. Maps showing other key variables may also be prepared and hosted online. We are also in negotiation with UNAIDS to upload maps showing key variables on their maps website (<http://aidsinfo.unaids.org>).

#### **3.4.2 National reports**

EMIS-2010 gave rise to 19 National data reports prepared and published by in-country partners based on their national data sets. Our EMIS 2017 data distribution offer seeks to distribute National datasets to collaborators in the majority of EMIS 2017 countries via signed Data Transfer Agreements. We intend to ensure that national partners have the data they require to write and publish any national reports they consider would be of value, without substantial input from the Objective 1 team. EMIS 2017 has the potential for 41 national reports of countries within Europe. With final agreement with the commission on the form and format of Data Transfer Agreements (DTAs) the distribution of national data sets began on 01<sup>st</sup> August 2018, and continues apace.

### **3.4.3 EMIS Community Reports**

We intend to collaborate with a range of community partners to generate feedback mechanisms for key EMIS 2017 findings to the gay men, bisexual men and other men that have sex with men that supplied the data. While such reports may take the form of printed (and translated) written materials, they could also include infographics for use on social media and / or video descriptions of key findings to be hosted and promoted online. While we believe these Community Reports need to originate with community organisations we will support partners to produce them as a priority. In July 2018, based on data support from Sigma Research, ESTICOM partner Deutsche AIDS-Hilfe launched the 1<sup>st</sup> ESTICOM Community Report on knowledge about three ways to prevent HIV, building upon several national prevention campaigns of the same topic. EMIS Network partners are currently translating the report into the EMIS languages.

### **3.4.4 Academic journal articles**

Between 2011 and 2018 EMIS-2010 gave rise to 37 peer-reviewed journal articles authored by a vast array of data recipients. Our EMIS 2017 data distribution offer, requires data recipients to specify any aspirations for journal articles, prior to receiving EMIS 2017 data via a signed Data Transfer Agreement. Via a virtual EMIS Editorial Board we seek to ensure as many data requests as possible are met, and to ensure some degree of quality control over those outputs.

We propose to utilise peer review journal articles to publish both in-depth examinations of specific issues (sexual risk behaviours, mental health morbidities, PrEP and PEP, drug and alcohol use, chemsex, internalised homonegativity, syndemic approaches etc.) Priority subjects for journal articles include:

1. Drug use and associations with sexual risk taking (chemsex)
2. PrEP uptake across Europe
3. MSM mobility: extent of migration into and within the EU
4. HIV care cascades for MSM with HIV
5. Health service utilisation among MSM
6. Access to prevention resources including condoms, lubricants, PEP, and PrEP;

We also intend to use peer-reviewed journal articles to provide in-depth consideration of change between EMIS 2010 and EMIS 2017 datasets. We believe that change analyses are best achieved in journal articles which allow more nuanced and controlled statistical analysis on more precise topic areas. Priority subjects for journal articles examining change between 2010 and 2017 include:

7. Global AIDS Monitoring (GAM) and Dublin Monitoring Framework indicators
8. Changing HIV testing rates by country and by methods used
9. Drug and alcohol use
10. Sexual risk behaviours

# Appendix 1: The European Men-who-have-sex-with-men Internet Survey - EMIS 2017 VARIABLE MANUAL

Version of 9<sup>th</sup> of August 2018

Prepared by Sigma Research, London School of Hygiene & Tropical Medicine

Current version always online at

<http://sigmaresearch.org.uk/files/EMIS-2017-Variable-Manual.pdf>

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## 1. Introduction

EMIS 2017 was a multi-language, internet based, self-completion survey for men-who-have-sex-with-men living in a specified list of European countries or one of a limited number of countries outside Europe. The survey was designed to indicate the levels and distributions of sexual health outcomes, risk and precaution behaviours, health promotion needs and the coverage (or uptake) of interventions.

Data collection occurred from 18 October 2017 (in Sweden, 19 October elsewhere) to 31 January 2018.

EMIS could be completed in any of 33 languages. The questions were identical in each language. The 33 language versions can be downloaded here:

<http://sigmaresearch.org.uk/questionnaires/tags/tag/EMIS-2017>

Partially completed surveys (moving away from the web page before pressing 'submit' at the end of the survey) were not captured.

The datasets available are national datasets (all men living in the same country, whatever language they completed the survey in) and multi-country datasets (men living in more than one country). 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 2017 datasets. The datasets are supplied in IBM SPSS Statistics 24 and 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 describes 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. There were 144,305 cases in consolidated file at the close of fieldwork. 46 were online tests (carried out during the final stages of piloting), leaving 144,259 user submissions.

### 2.1 NON-QUALIFIERS

Respondents had to indicate they wished to take part in the survey by confirming that: they had read and understood the nature and purpose of the study; and they were at or over the age of homosexual consent in the country they live in. People who did not indicate both of these conditions were taken to the end of the survey where they could submit their (blank) responses.

Non-qualifiers are cases from respondents who do not meet the criteria for inclusion in the study, which were: living in one of 57 specified countries and territories (see Table 1); identifying as a man or trans man; sexually attracted to men and/or having had sex with men. People who did not qualify for the study were offered the option of continuing to read, complete and submit the survey but were told their data would not be used. The following non-qualifying cases have been removed from the datasets.

#### ***Not providing consent to the research***

4289 cases did not indicate they had read and understood the purpose of the study (Q001).

1347 did not indicate they were old enough to have sex with men in the country they lived in (Q002 & Q003).

550 cases indicated neither condition.

Remaining were 139,173 cases who consented to take part in the study.

#### ***Not living in a qualifying country***

97 cases were missing country of residence (Q008).

817 cases gave a country of residence (Q008) outside the specified list (see Table 1).

Remaining were 138,259 consenting cases living in qualifying countries.

#### ***Not men***

410 cases indicated a gender identity (Q004) other than man (108 women, 94 trans women and 208 non-binary gender). Remaining were 137,849 men.

#### ***No evidence of homosexual desire or behaviour***

380 men gave neither evidence of homosexual desire (Q025) nor of ever having had sex with a man (Q172). Remaining were 137,469 men-who-have-sex-with-men (MSM, although some have not done so yet and some will never again).

#### ***Missing age or age below age of consent***

2 cases were missing age (Q007).

109 cases gave an age below the age of sexual consent in the country they lived in (Q008).

Remaining were 137,358 qualifying cases.

### 2.2 QUALIFYING CASES

A total of 137,358 cases (95.3% of those submitted) met the qualifying criteria. The number of cases submitted, the number of non-qualifiers and the number of qualifying cases in each qualifying country is given in Table 1.

**Table 1: Cases Submitted and Non-Qualifiers**

	<b>SUBMITTED</b>	Not men	No evidence of homosexual desire or behaviour	Below age of consent or missing age	<b>QUALIFIERS</b>
Albania	56	1	0	0	55
Andorra	22	2	1	1	18
Austria	2715	4	5	1	2705
Belarus	448	3	5	0	440
Belgium	3061	6	14	3	3038
Bosnia & Herzegovina	232	0	0	0	232
Bulgaria	1188	8	3	0	1177
Canada	6096	14	13	10	6059
Croatia	1020	1	4	0	1015
Cyprus	313	3	3	0	307
Czech Republic	1906	4	4	1	1897
Denmark	1708	4	4	3	1697
Estonia	214	1	1	0	212
Finland	1427	11	4	3	1409
France	10920	8	7	1	10904
France overseas	84	0	0	0	84
Germany	23206	44	50	5	23107
Greece	2943	24	8	2	2909
Greenland	1	0	0	0	1
Hungary	2190	7	6	0	2177
Iceland	112	1	0	0	111
Ireland (Republic)	2106	2	13	8	2083
Israel	1280	2	3	1	1274
Italy	11053	20	15	0	11018
Kosovo (UNSCR 1244)	40	0	1	0	39
Latvia	253	1	0	0	252
Lebanon	264	1	4	2	257



**Table 1 (continued): Cases Submitted and Non-Qualifiers**

	<b>SUBMITTED</b>	Not men	No evidence of homosexual desire or behaviour	Below age of consent or missing age	<b>QUALIFIERS</b>
Liechtenstein	5	0	0	0	5
Lithuania	371	1	0	0	370
Luxembourg	169	0	0	0	169
Macedonia (FYRO)	177	1	1	0	175
Malta	305	1	4	1	299
Moldova	500	0	2	0	498
Monaco	8	0	0	0	8
Montenegro	77	0	0	0	77
Netherlands	3863	4	6	2	3851
Norway	2982	7	16	2	2957
Philippines	3638	92	35	4	3507
Poland	4035	6	3	1	4025
Portugal	2563	3	4	1	2555
Romania	2032	10	17	3	2002
Russia (Federation)	6311	24	29	11	6247
San Marino	5	0	1	0	4
Serbia	1050	5	4	0	1041
Slovakia	1012	4	5	0	1003
Slovenia	689	2	2	0	685
Spain	10685	22	11	18	10634
Sweden	4484	10	30	1	4443
Switzerland	3394	9	5	2	3378
Turkey	1907	22	16	14	1855
Ukraine	1213	6	5	1	1201
UK, England	10159	9	13	9	10128
UK, Northern Ireland	242	0	0	0	242
UK, Scotland	1006	0	2	0	1004
UK, Wales	466	0	1	0	465
UK, Overseas	50	0	0	0	50
Vatican	3	0	0	0	3
<b>Total</b>	<b>138259</b>	<b>410</b>	<b>380</b>	<b>111</b>	<b>137358</b>

### 2.3 NATIONAL DATASETS

National datasets are available for the following 43 countries (those with 100 or more qualifying cases):

Austria	Hungary	Poland
Belarus	Iceland	Portugal
Belgium	Ireland (Republic)	Romania
Bosnia and Herzegovina	Israel	Russia (Federation)
Bulgaria	Italy	Serbia
Canada	Latvia	Slovakia
Croatia	Lebanon	Slovenia
Cyprus	Lithuania	Spain
Czech Republic	Luxembourg	Sweden
Denmark	Macedonia (FYRO)	Switzerland
Estonia	Malta	Turkey
Finland	Moldova	Ukraine
France	Netherlands	United Kingdom
Germany	Norway	
Greece	Philippines	

The United Kingdom database includes England, Scotland, Wales, Northern Ireland and British Overseas Territories and Crown Dependencies.

Cases living in Northern Ireland are available in both the UK and the Republic of Ireland datasets.

Cases living in Overseas Departments, Territories and Collectivities of France are included in the France dataset.

### 2.4 COUNTRIES NOT REACHING THE 100 CASES THRESHOLD

The following 6 countries and states did not reach 100 qualifying cases. Cases are included in the data sets of adjoining or surrounding countries:

Andorra (18 cases) – included in both the France and Spain datasets.  
Liechtenstein (5 cases) – included in the Switzerland dataset.  
Monaco (8 cases) – included in the French dataset.  
San Marino (4 cases) – included in the Italy dataset  
Vatican City (3 cases) – included in the Italy dataset.  
Greenland (1 case) - included in the Denmark dataset.

The following 3 countries did not reach the threshold of 100 cases and are currently not included in any national dataset.

Albania (55 cases)  
Montenegro (77 cases)  
Kosovo (UNSCR 1244) (39 cases)

### 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. It is important to note that:

EMIS 2017 is focussed on sexually transmitted infections (including HIV) among MSM – it is not a generic health and well-being survey.

EMIS 2017 is intended to describe the level and distributions of already known health outcomes, risk and precaution behaviours, prevention needs and prevention interventions among MSM. It is not attempting to test theories about the validity of or relationship between these variables.

The following provides a conceptual overview of the content of the survey. Questions are arranged in five groups (there were also a very small number of items related to survey administration):

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

Highlighted and asterisked items are new for EMIS 2017. Other items were identical or modified from EMIS 2010.

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

- gender identity (Q004)
- sex at birth (Q006)\*
- age (Q007)
- county 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-Q024)\*
- education (Q400)
- employment (Q401)
- financial coping (Q402)\*
- ethnic minority (Q403)\*
- name of ethnic group (Q404+Q405)\*
- sexual attraction (Q025-Q028)
- sexual identity (Q029)
- outness (Q030)
- current partnerships status (Q034)

- relationship break-up recency (Q035)\*
- number and genders of current steady partners (Q036-Q041)
- male relationship duration (Q042)
- male relationship HIV seroconcordancy (Q043)
- female relationship duration (Q044)
- female relationship HIV seroconcordancy (Q045)
- non-binary relationship duration (Q046)\*
- non-binary relationship HIV seroconcordancy (Q047)\*

- bought male sex recency (Q299)\*
- times bought male sex year (Q300)
- sold male sex recency (Q301)\*
- times sold male sex year (Q302)

- community health worker (Q406)\*
- CHW organisation (Q407)\*
- CHW work type (Q408)\*

## B. MORBIDITIES: HEALTH OUTCOMES WE ARE TRYING TO CHANGE

### *Mental Health*

- PHQ4: anxiety/ depression () (Q327-Q330)\*
- suicidal ideation (Q331)\*
- sexual (un)happiness (Q033)
- CAGE4: alcohol dependency (Q376-Q379)\*

### *Infections*

- ever diagnosed with HIV (Q057)
- year diagnosed HIV pos (Q060)
- diagnosed pos last 12mth (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)
- hep C first diagnosis recency (Q145+Q146)
- times hepatitis C diagnosed (Q147)\*
- current hepatitis C status (Q148)
- current hepatitis B status (Q143)

## C. BEHAVIOURS: THINGS THAT PEOPLE DO THAT CAUSE (RISKS) OR DETRACT FROM (PRECAUTIONS) MORBIDITIES

### *First and Most Recent Sex with Men*

- homosex ever (Q172)
- age first homosex (Q173)
- homosex recency (Q174)
- ever male intercourse (Q175)
- age first male intercourse (Q176)
- male intercourse recency (Q177)

### *Steady & Non-Steady Male Sex Partners in Last Year*

- any steady male year (Q178)
- number steady males year (Q179)
- number steady males intercourse year (Q180)

- number steady male intercourse condomless year (Q181)
- any non-steady male year (Q182)
- number non-steady males year (Q183)
- number non-steady males intercourse year (Q184)
- number non-steady males intercourse condomless year (Q185)

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

- frequency of condom for non-steady intercourse (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 year (Q304)
- frequency condom female (Q305)

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

- last non-steady # (Q192)\*
- where sex (Q193+Q241/2)\*
- where met (Q195 + Q243-253)
- 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+Q259)\*
- partner PrEP disclosure (Q202+Q260)\*
- intercourse (Q203+Q261)
  - condom if receptive (Q204+Q262)
- take ejaculate in rectum (Q205+Q263)
- condom if insertive (Q206+Q264)
- give ejaculate in his rectum (Q207+Q265)
- sex acts (Q208-Q218 + Q266-Q276)\*
- drugs used (Q219-Q238 + Q277-Q296)\*
- injecting (Q239+Q297)\*
- session rating (Q240+Q298)

#### *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 (Q339)\*
- ecstasy pills recency (Q340)
- ecstasy powder recency (Q341)\*
- speed recency (Q342)
- crystal meth recency (Q343)
- heroin recency (Q344)
- mephedrone recency (Q345)
- other synthetic stimulant recency (Q346)\*
- GHB/GBL recency (Q347)

- ketamine recency (Q348)
- LSD recency (Q349)
- cocaine recency (Q350)
- crack recency (Q351)

#### *Injecting drugs*

- inject steroids ever/12mth (Q352)
- inject non-steroids ever/12mth (Q353)
- times injected non-steroids year (Q354)\*
- what injected year (Q355-Q364)\*
- injected used works recency (Q365)\*

#### *Combining Sex and Drugs*

- sober sex recency (Q366)\*
- proportion sex non-sober (Q367)\*
- chemsex recency (Q368)\*
- multi-chemsex recency (Q369)\*
- last multi-chemsex where (Q370+Q371)\*
- years multi-chemsex (Q372)\*

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

- tried to get PEP / before pos (Q096+Q098)
- ever taken PEP / before pos (Q097+Q099)
- # days taken PEP (Q100)\*

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

- tried to get PrEP (Q113)\*
- ever taken PrEP (Q114)\*

#### *HIV Testing & Treatment*

- ever received HIV test result (Q056)
- ever ART (Q065)
- treatment delay (Q066)\*
- current ART (Q078)

#### *Viral Hepatitis*

- hep A vaccination uptake (Q141)\*
- hep B vaccination uptake (Q143)

#### *Bacterial STIs*

- syphilis diagnosis partner disclosure (Q164)\*
- gonorrhoea diagnosis partner disclosure (Q167)\*

### D. NEEDS: OPPORTUNITIES, CAPABILITIES AND MOTIVATIONS FOR RISK AND PRECAUTION BEHAVIOURS

#### *All Health Related Behaviours*

- social support (Q382-Q389)\*
- internalised homonegativity (Q390-Q396)

#### *Safer Sex*

- safe as I want (Q031)
- easy to say no (Q032)
- recency of condomless intercourse because no condom (Q313)
- HIV transmission knowledge (Q306-Q308)

#### *Drug Use*

- drug use concern (Q373)

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

- heard of PEP (Q092)\*
- PEP knowledge (Q093-Q095)
- PEP access efficacy (Q101)

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

- heard of PrEP (Q102)\*
- PrEP knowledge (Q103-Q105)\*
- PrEP use intention (Q134)\*

#### *HIV Testing & Treatment*

- HIV test/treat knowledge (Q049-Q055)
- HIV status certainty (Q309)
- know where to get HIV test (Q059)\*
- why never taken ART (Q067-Q077)
- why stopped taking ART (Q079-Q087)

#### *Viral Hepatitis*

- hepatitis A & B knowledge (Q135-Q139)\*
- know where to get Hep A vac (Q142)\*
- know where to get Hep B vac (Q144)\*

#### *Bacterial STIs*

- STI transmission knowledge (Q310-Q312)

### E. 'INTERVENTIONS': ACTIONS OF OTHERS THAN MEET OR UNDERMINE NEEDS

#### *Homophobic Abuse*

- abuse intimidated recency (Q397)
- abuse insults recency (Q398)
- abuse violence recency (Q399)

#### *Condom Distribution*

- sources of condoms last year (Q314-324)\*
- source of most condoms last year (Q325)\*

#### *Drug Services*

- drug professional recency (Q374)\*
- drug self-help recency (Q375)\*
- alcohol professional recency (Q380)\*

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

- ever spoken to by health service about PrEP (Q106)\*
- who spoken to about PrEP (Q107-Q112)\*
- spoke to healthcare professional before PrEP (Q115)\*
- ever had prescription for PrEP (Q116)\*
- who prescribed PrEP (Q117-Q122)\*
- where PrEP pills from (Q123-Q133)\*

#### *HIV/STI Education Services*

- info about HIV/STI recency (Q048)

#### *HIV Testing Services*

- ever been offered HIV tested (Q058)\*
- where diagnosed pos (Q062)
- pos test support (Q063)
- pos monitoring recency (Q064)
- neg test recency (Q089)
- where last neg test (Q090)
- neg test support (Q091)

#### *Viral Hepatitis Vaccination Offer*

- ever offered any Hep vaccine (Q140)\*

#### *STI Testing Services*

- any STI test recency (Q149+Q150)
- symptomatic at last STI test (Q151)
- **homosex disclosure at last STI test (Q152)\***

#### **• penis/vagina (Q153)\***

- blood sample 12 mths (Q154)
- urine sample 12 mths (Q155)
- urethral swab 12 mths (Q156)
- penis examine 12 mths (Q157)
- vaginal swab 12 mths (Q158)\*
- **vagina examined 12 mths (Q159)\***
- anal swab 12 mths (Q160)
- anus examine 12 mths (Q161)

#### **SURVEY ADMINISTRATION ITEMS**

- consent understood (Q001)
- consent old enough (Q002-Q003)
- sexiest man (Q409)



## 4. Corrections, Question Denominators & Missing Data

*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*

An answer may not be present in the dataset because a respondent did not supply an answer.

In addition, some questions are missing answers in specific language versions of the survey.

### 4.1 SPANISH LANGUAGE VERSION – MISSING Q390 PRIOR TO CASE 136024

In error, the Spanish language version served Q395 at Q390 (as well as at Q395). This was noticed and corrected at 18:21 GMT on 19 January 2018. Responses for Q390 are present only from case (A\_Serial) 136024 onwards. Note: Q390-Q397 form a block of questions that were rotated.

### 4.2 ITALIAN LANGUAGE VERSION – SETTLEMENT SIZE (Q011)

In error, the Italian language version repeated the question as first response option in Q011 (Settlement size). The data has been corrected.

### 4.3 HUNGARIAN LANGUAGE VERSION – REGION OF RESIDENCE (Q010r)

The Hungarian language version had 'Budapest (város)' as response 5 rather than response 14 as in all other language versions. Consequently the responses 5 to 14 were incorrect in the consolidated file for cases using the Hungarian language version. The data has been corrected.

### 4.4 ENGLISH LANGUAGE VERSION – Country of Birth (Q012)

In EMIS 2010 in the response list for country living in and country of birth (see Section 10), "Turkish Republic of Northern Cyprus" appeared at code 184. This entry was deleted in the 2017 list, but in error it still appeared in the response set for Q012 in the English language version. This data has been corrected and men who ticked "Turkish Republic of Northern Cyprus" are recoded to Turkey.

### 4.5 MULTIPLE RESPONSE QUESTIONS

The survey contained 15 questions with multiple responses (ie. Tick as many as apply). Each response options generates a No/Yes variable. The denominator is the men 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 at Q12).

Q025-Q029. Who are you sexually attracted to?

Denominator is all respondents.

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

Denominator is those with a current steady partner.

Q067-Q076. Why have you never taken antiretroviral treatment for your HIV infection?

Denominator is men with diagnosed HIV who have never taken antiretroviral drugs.

Q079-Q086. Why have you stopped taking antiretroviral treatment?

Denominator is men with diagnosed HIV who have ever taken antiretroviral drugs but are not currently doing so.

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

Denominator is all (because all men are targets for conversations about PrEP).

Q117-Q121. Where have you had a prescription for PrEP from?

Denominator is men who have had a PrEP prescription in the country they live in.

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

Denominator is men who have ever used PrEP.

Q208-Q217. During that [1 non-steady] session, did you engage in [sex acts]?

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

Q219-Q237. Which of these substances had you taken shortly before or during this [one non-steady session]?

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

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

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

Q266-Q275. During that [multi-non-steady] session, with any partner did you engage in...[sex acts]?

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

Q277-Q296. Which of these substances had you taken shortly before or during this [multi-non-steady] session?

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

Q314-Q323. Where have you got 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.

## 5. Inconsistent Data

***To exclude cases with inconsistent data on one or more of the conditions described below, select 'anydiscrepant=1'***

***There may still be some logically discrepant data in the dataset.***

Following the Case variables, there are 4 variables (with the prefix "D\_") which distinguish those cases that contain inconsistent data. [Note: In EMIS 2010 respondents could give discrepant data about HIV testing history by moving backwards and forwards in the survey and changing responses. Changes to the survey application meant this was not possible in 2017. Therefore, there are no discrepancy indicators in 2017 for HIV testing, STI testing or sexual behavior, as there had been in EMIS 2010.]

<b>Name</b>	<b>Description</b>
D_agediscrepant	Does case contain age discrepant data 1=No 2=Yes
D_steadydiscrepant	Does case contain steady partner discrepant data 1=No 2=Yes
D_nonsteadydiscrepant	Does case contain non-steady partner discrepant data 1=No 2=Yes
D_anydiscrepant	Does case contain discrepant data in any of the 3 above. 1=No 2=Yes

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 recommend to do with National data sets wherever possible.

The following sections describe the number of cases with specific inconsistencies. Overall, 14833 cases (10.8% of cases) had discrepant data in one or more of the conditions below.

***To exclude cases with inconsistent data on one or more of the conditions described below, select 'anydiscrepant=1'***

### 5.1 AGE DISCREPANCIES

16 cases gave an age now (Q007) smaller than the number of years they had been living in their country of residence (Q014).

6 cases gave an age now (Q007) smaller than the number of years since an HIV diagnosis (Q060).

122 cases gave an age now (Q007) smaller than their age at first sex with a man (Q173).

85 cases gave an age now (Q007) smaller than their age at first intercourse (Q176).

24 cases gave an age now (Q007) smaller than the number of years in a steady relationship with a man (Q042).

2 cases gave an age now (Q007) smaller than the number of years in a steady relationship with a woman (Q044).

1302 cases gave an age at first intercourse with a man (Q176) smaller than their age at first sex of any kind with a man (Q173).

*A total of 1412 cases (1.0% of cases) had age discrepant data in one or more of the above conditions.*

*To exclude cases with inconsistent age data, select 'agediscrepant=1'*

### 5.2 STEADY MALE PARTNER DISCREPANCIES

922 cases indicated never having had intercourse with a man (Q175) and having 1+ steady intercourse partners in the last 12 months (Q180).

309 cases indicated never having had intercourse with a man (Q175) and having 1+ steady condomless intercourse partners in the last 12 months (Q181).

3714 cases indicated fewer steady partners (Q179) than steady intercourse partners (Q180).

1919 cases indicated fewer steady partners (Q179) than steady condomless intercourse partners (Q181).

907 cases indicated fewer steady intercourse partners (Q180) than steady condomless intercourse partners (Q181).

*A total of 5403 cases (3.9% of cases) had steady partner discrepant data in one or more of the above conditions.*

*To exclude cases with inconsistent steady partner data, select 'steadydiscrepant=1'*

### 5.3 NON-STEADY MALE PARTNER DISCREPANCIES

3415 cases indicated fewer non-steady partners (Q183) than non-steady intercourse partners (Q184).

999 cases indicated fewer non-steady partners (Q183) than non-steady condomless intercourse partners (Q185).

801 cases indicated fewer non-steady intercourse partners (Q184) than non-steady condomless intercourse partners (Q185).

1615 cases indicated never having had intercourse with a man (Q175) and having 1+ non-steady intercourse partners in the last 12 months (Q184).

335 cases indicated never having had intercourse with a man (Q175) and having 1+ non-steady condomless intercourse partners in the last 12 months (Q185).

4123 cases indicated they had 1+ non-steady condomless intercourse partners in the last 12 months (Q184) and that they always used condoms with non-steady intercourse partners (Q186).

*A total of 9332 cases (6.8% of cases) had non-steady partner discrepant data in one or more of the above conditions.*

*To exclude cases with inconsistent non-steady partner data, select 'nonsteadydiscrepant=1'*

## 6. Standard & Modified Response Sets

### 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 7 they are indicated under the relevant questions by their name (eg. '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

#### '4 point Disagree-Agree' response set

- 1=Strongly disagree
- 2=Disagree
- 3=Agree
- 4=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=Does not apply to me

#### 'Recency 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 MODIFIED RESPONSE SETS

Some questions repeated from EMIS 2010 have had their response sets modified to account for changes since the first survey

### ***Settings for HIV testing (Q062 and Q090)***

The EMIS 2010 response set was:

- 1=General Practitioner / family doctor
- 2=A doctor in private practice
- 3=At a hospital or clinic as an out-patient
- 4=At a hospital as an in-patient
- 5=At an HIV testing service (that is not in a hospital or clinic)
- 6=At a blood bank, while donating blood
- 7=I used a home testing kit
- 8=In a bar/pub, club or sauna
- 9=Mobile medical unit
- 10=Elsewhere

The phrase “, or an Institute” has been added to response 3.

In response 5 the words “At an HIV testing service” have been replaced with “At a community health service or drop-in”.

Response 7 (“I used a home testing kit”) has been split into two responses:

- 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)

Consequently the EMIS 2010 responses 8, 9 and 10 become responses 9, 10 and 11.

### ***Hepatitis B vaccination status (Q143)***

The EMIS 2010 response set was:

- 1=No, I am naturally immune to hepatitis B (because I had it in the past)
- 2=No, and I don't know if I'm immune
- 3=Yes, and I completed the course of 3 shots of vaccine
- 4=Yes, but I did not complete the course of 3 shots of vaccine
- 5=Yes, but I did not respond to the vaccinations
- 6=I don't know

Response 1 has been changed to “No, because I've had hepatitis B (and am now naturally immune)”.

The words “of 3 shots of vaccine” have been removed from responses 3 and 4.

A new ‘No’ response has been added (“No, I have chronic hepatitis B infection”) as response 3. Consequently EMIS 2010 responses 3 to 6 become responses 4-7.

### ***Location of meeting most recent non-steady sexual partner/s (Q195 and Q243-Q253)***

In EMIS 2010 the response set for meeting sexual partners was:

- 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=A website for gay or bisexual men

10=Elsewhere

In EMIS 2017 response 9 has been split into:

9=On my mobile phone (or other GPS enabled device)

10=Elsewhere on the internet

Consequently EMIS 2010 response 10 becomes 11.

### 6.3 MODIFIED DEFINITIONS

#### ***Intercourse***

In EMIS 2010 respondents were served the paragraph:

In this survey we use the term "anal intercourse" (fucking, screwing) to mean sex where one partner puts his penis into the other partner's anus, whether or not this occurs to ejaculation.

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.

## 7. Case Variables

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

### 7.1 RECRUITMENT (SOURCE CODE) VARIABLES

EMIS 2017 was advertised across the internet with banners on websites and messages delivered by apps to their users (called Instant Messages, or IMs).

The Source Code (in the formate "where-who-how") indicates how the respondent arrived at the survey. Ideally, source codes specified the country (where-), the agency placing the advert (-who-) and the setting the advert was placed in or method of promotion used (-how).

Source codes were specified by the large number of people across the EMIS Network who created banners and messages to promote the survey. Some did not specify all three parts of the code. Some copied a source code from another website (in which case the source code will be incorrect in one or more regard). Some banners/adverts may not have recruited any qualifying cases. The list of source codes below therefore represents the minimum number of websites recruiting to EMIS 2017.

Partners sometimes omitted the country code and have been added based on the country where the majority of respondents lived. XX- indicates the country was not known.

Centrally, we collaborated with a number of gay internet services and websites.

PlanetRomeo provided EMIS 2017 advertising across multiple countries with no charge. Belgium, Denmark, Finland, Israel, Netherlands and Norway also used Scruff's Benevolads for free (these are included as local recruitment).

Paid advertisers included: Grindr, Hornet, Oruiser, RECON, Scruff, Gaydar, Manhunt/Jack'd, GROWLr and Bluesystem. Canada and Denmark purchased additional Grindr Instant Messages.

EMIS partners placed banners on their websites and used Facebook, Twitter, Instagram, and Email lists to promote the survey. These are included as local recruitment, and coded "-fb", "-tw", "-ins", and "-email" (-how).

The gay dating app Hornet used "broken" source codes which resulted in the cases they recruited not having a source code when submitted. Cases with unknown source codes submitted when Hornet advertising occurred have been allocated to Hornet.

In error, Health Initiative for Men (the Canadian NGO partner) used their website source code for the Canadian Grindr boosts. Knowing the dates of the Grindr boosts and looking at response peaks over time, we could re-assign cases living in Canada with a HIM source code to the more likely recruiter, Grindr.

Name	Description
A_Source	STRING variable with typo-corrected and harmonised source codes.
A_Source_short	RECODED VARIABLE. Source code collapsed. Numeric version of the same variable, with Facebook, Twitter, Instagram collapsed and and re-allocating 'unknown source' to Hornet / HiM to Grindr, where appropriate". 0.00=Unknown 0.11=Romeo, IM



0.12=Romeo, Banner  
 0.20=Grindr, IM  
 0.31=Hornet, IM  
 0.32=Hornet, Banner  
 0.41=RECON, IM  
 0.42=SCRUFF, IM  
 0.43=SCRUFF, Banner (local)  
 0.44=Gaydar, IM  
 0.45=Gaydar, Banner  
 0.46=GROWLr, IM  
 0.51=Manhunt/Jack'd, IM  
 0.52=Manhunt/Jack'd, Banner  
 0.71=Qruiser, IM  
 0.72=Qruiser, Banner  
 0.81=Bluesystem, Banner  
 0.91=Facebook (local)  
 0.92=Twitter (local)  
 0.93=Instagram (local)  
 0.94=ESTICOM  
 0.95=NAM  
 1.00=AT  
 2.00=BA  
 3.00=BE  
 4.00=BG  
 5.00=BY  
 5.50=CA  
 6.00=CH  
 7.00=CY  
 8.00=CZ  
 9.00=DE  
 10.00=DK  
 11.00=EE  
 12.00=ES  
 13.00=FI  
 14.00=FR  
 15.00=GR  
 16.00=HR  
 17.00=HU  
 18.00=IE  
 18.50=IL  
 18.70=IS  
 19.00=IT  
 20.00=LT  
 22.00=LV  
 23.00=MD  
 23.50=ME  
 24.00=MK  
 25.00=MT  
 26.00=NL  
 27.00=NO  
 27.50=PH  
 28.00=PL  
 29.00=PT  
 31.00=RS  
 32.00=RU  
 33.00=SE  
 34.00=SI

35.00=SK  
 36.00=TR  
 37.00=UA  
 38.00=UK  
 99.00=Softstart

A\_Source\_short2 RECODED VARIABLE. Source code further collapsed into the following 8 categories.  
 0=Unknown tracking code  
 1=Romeo (central)  
 2=Grindr (central)  
 3=Hornet (central)  
 4=Other central  
 5=Facebook, Twitter, Instagram (local)  
 6=Other local  
 99=Softstart

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

## 7.2 SURVEY COMPLETION AND SUBMISSION VARIABLES

<b>Name</b>	<b>Description</b>
A_Serial dataset.	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_GMT	The number of minutes to add or subtract from the GMT to give the local time the data was submitted.
A_Date	The date (in the UK) on which the data was submitted (String format).
A_Language	The language the respondent chose to participate in. 0.5=Arabic 0.7=Albanian 1.0=Bulgarian 2.0=Czech 3.0=Danish 4.0=Dutch 5.0=English 6.0=Estonian 7.0=Finnish 7.5=Filipino-Cebuano 7.6=Filipino-Tagalog 8.0=French 9.0=German 10.0=Greek 10.5=Hebrew 11.0=Hungarian 12.0=Italian

13.0=Latvian  
 14.0=Lithuanian  
 14.5=Macedonian  
 14.7=Maltese  
 15.0=Norwegian  
 16.0=Polish  
 17.0=Portuguese  
 18.0=Romanian  
 19.0=Russian  
 20.0=Serbian/Croatian  
 20.5=Slovak  
 21.0=Slovene  
 22.0=Spanish  
 23.0=Swedish  
 24.0=Turkish  
 25.0=Ukrainian

Note: EMIS 2017 was available in the same 25 languages as used in EMIS 2010, plus 8 further languages. The same variable values have been used as in EMIS 2010 with the additional 8 languages inserted alphabetically between them.

A\_Duration The number of minutes the respondent had the survey open.

A\_Device String variable giving the device used for submitting the data.

A\_Device\_short RECODED VARIABLE. Numeric version A\_Device, merging devices used by <10 respondents.

0=Unknown  
 1=Android phone  
 2=iOS phone  
 3=Windows desktop  
 4=Mac OSX desktop  
 5=iOS tablet  
 6=UNIX desktop  
 7=Nexus 7 tablet  
 8=Kindle Fire tablet  
 9=Samsung unspecified tablet  
 10=Samsung Galaxy Tab A tablet  
 11=Samsung Galaxy Tab S tablet  
 12=Samsung Galaxy Tab 2 tablet  
 13=Samsung Galaxy Note tablet  
 14=Unknown or other (<10) phone  
 15=Unknown or other (<10) tablet  
 16=Unknown or other (<10) desktop

A\_Device\_short2 RECODED VARIABLE. A\_Device\_short collapsed (with fewer categories).

0=Unknown/Other  
 1=Android OS  
 2=iOS  
 3=Windows desktop  
 4=Mac OSX desktop  
 5=UNIX desktop

A\_Device\_bin others. RECODED VARIABLE. A\_Device\_short2 collapsed to smartphones vs. others.

0=Unknown

1=Phone  
2=Tablet or Desktop

Please see [www.emis2017.eu](http://www.emis2017.eu) for up-to-date variable manual.

## 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 the screen.

A condition before a question (eg. If Q005=1) specifies if a question was served and relates only to that question. A condition before a page heading specifies whether the entire page was served or not and relates to all questions on that page (ie. until the next page heading).

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

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

***Commonly used response sets appear in square brackets and are given in Section 6***

[INTRODUCTORY TEXT]

### **EMIS: European Men-who-have-sex-with-men Internet Survey 2017**

**Welcome to the largest ever survey of gay men, bisexual men and other men (including trans men) who are attracted to men.**

**Please take part if you are...**

- a man who has sex with men
- a man who is attracted to other men
- a man who thinks he might have sex with men in the future

You must be old enough to legally have sex in the country where you live.

#### **What's it about?**

It asks about relationships, sex life, risks and precautions, and use of health services.

#### **How long will it take?**

Most men take between 15 and 25 minutes to complete it. Please make sure you have enough time and battery power, because you cannot come back to complete it if you log off. However, the survey is voluntary and you can stop and withdraw at any time. None of the data you supplied will be collected if you do this. Please complete this survey **ONLY ONCE** this year.

#### **Why should I take part?**

Because we all want better sex with less harm. By taking part you might find out something new. Although there will be no direct benefit to you from the information you provide, it will help health and social services to better meet the community's needs. It could also mean that services for gay and bisexual men are funded. Our first version of this survey (in 2010) recruited 181,000 men.

#### **Who is running it?**

The survey is being run by Sigma Research in the UK and has been approved by the ethics committee of the London School of Hygiene & Tropical Medicine (University of London).

It has been developed with an international group of researchers and health workers in public health institutes, universities and non-governmental organisations working in HIV, gay health and human rights, from over 40 European countries.

The survey is funded by the European Commission Health Programme 2014-2020 to deliver evidence about the sexual health of gay men, bisexual men and other MSM across Europe. It is supported by the European Centre for Disease Prevention and Control, and many national and international gay organisations and websites.

You can get more information about the survey at [www.esticom.eu](http://www.esticom.eu)

#### **What about data protection?**

We will not collect the TC/IP-address of your device or try to install any cookies on it. We will not collect any information about you that would allow anybody to identify you. This means you need to complete the survey in one session and you cannot log out and return later. Participation is voluntary and you can withdraw at any time.

#### **Where will the data go?**

The anonymous data will be shared with EMIS academic and community collaborators in participating countries as soon as it is ready. Eventually it will be placed in the European Union open data portal for the use of other researchers after a period of embargo.

#### **When can I see the results?**

Results will be available after mid 2018 in different formats and languages. They can be accessed at the project's website at [www.esticom.eu](http://www.esticom.eu)

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

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

Q001. Have read and understood the above information.

[No-Yes response set]

[If Q001=1, Exit Page] 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 2018. You can get more information at [www.esticom.eu](http://www.esticom.eu)

Q002. Are you old enough to legally have sex with men in the country you live in?

1=No

2=Yes

3=I don't know

[If Q002=3]

The list below shows how old a male must be to legally have sex with another male in each country of Europe.

#### **Country - Minimum age**

Albania - 14 years

Andorra - 16 years

Austria - 14 years

Belarus - 14 years

Belgium - 16 years

Bosnia & Herzegovina - 14 years

Bulgaria - 14 years

Canada - 16 years

Croatia - 15 years

Cyprus (Republic) - 17 years  
Czech Republic - 15 years  
Denmark - 15 years  
Estonia - 14 years  
Finland - 16 years  
France - 15 years  
Germany - 14 years  
Greece - 15 years  
Greenland - 15 years  
Hungary - 14 years  
Iceland - 15 years  
Ireland (Republic) - 17 years  
Israel - 16 years  
Italy - 14 years  
Kosovo (UNSC1244) - 14 years  
Latvia - 16 years  
Lebanon - 18 years  
Liechtenstein - 14 years  
Lithuania - 16 years  
Luxembourg - 16 years  
Macedonia (Former Yugoslav Republic) - 14 years  
Malta - 18 years  
Moldova - 16 years  
Monaco - 15 years  
Montenegro - 14 years  
Netherlands - 16 years  
Norway - 16 years  
Philippines - 15 years  
Poland - 15 years  
Portugal - 14 years  
Romania - 15 years  
Russia - 16 years  
San Marino - 14 years  
Serbia - 14 years  
Slovakia - 15 years  
Slovenia - 15 years  
Spain - 16 years  
Sweden - 15 years  
Switzerland - 16 years  
Turkey - 18 years  
Ukraine - 16 years  
United Kingdom - 16 years  
Vatican City - 18 years

Q003. Are you old enough to legally have sex with men in the country you live in? [repeat]  
[No-Yes]

[If Q002=1 or Q003=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 2018. You can get more information at [www.esticom.eu](http://www.esticom.eu)

## FIRSTLY...

Q004. What is your current gender identity? [compulsory question; comparable to EMIS 2010 Q1]

- 1=Man
- 2=Trans man
- 3=Woman
- 4=Trans woman
- 5=Non-binary gender

[Indicating 1 or 2 was a qualifier so there is no missing data in this variable]

[If Q004=3, 4 or 5]

Q005. This survey is for people who identify as men (cis and trans). 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 reading the survey

[If Q005=1, Exit page]

Thank you for your interest in EMIS, the results will be available across Europe in 2018. You can get more information at [www.esticom.eu](http://www.esticom.eu)

Q006. What sex were you assigned at birth? [New question]

- 1=Male
- 2=Female
- 3=Decline to state

Q007. How old are you? [Compulsory question; recoded; comparable to EMIS 2010 Q2 which used a write-in]

[drop down in years]

Q007numeric. RECODED VARIABLE. Age in years. Cases indicating 90 years or more are treated as outliers and have this variable missing (ie. are coded -1).

Q007in5s. RECODED VARIABLE. Age in 5-year age bands. Cases indicating 90 years or more are treated as outliers and have this variable missing (ie. are coded -1).

Q007in10s. RECODED VARIABLE. Age in 10-year age bands. Cases indicating 90 years or more are treated as outliers and have this variable missing (ie. are coded -1).

## ABOUT WHERE YOU LIVE

Q008. Which country do you currently live in? [Compulsory qualifying questions so there is no missing data in this variable; identical to EMIS 2010 Q4 with one response option removed]

[see Section 10 for Country Response Set]

Q008\_43. RECODED VARIABLE. Name of country of residence, with values reordered to group countries as in Q008\_group1 (see below).

[Note: In this variable: cases living in microstates have been coded as the country the microstate is within or adjacent to; England, Scotland, Wales and Northern Ireland have been grouped as United Kingdom; and the 3 countries that did not reach 100 respondents (Albania, Montenegro and Kosovo) have been grouped together.]

Q008\_TLD. RECODED VARIABLE. Country code (top level domain name).

[This variable provides a shorthand for the country of residence, using the internet two letter domain codes for the countries. These are ordered alphabetically and are therefore not in the same order as the country names in English in Q008. The same values as in EMIS 2010 are used, with five additional countries inserted. Cases living in countries with fewer than 100



respondents have a missing value for this variable.]

1.0=.AT [Austria]  
2.0=.BA [Bosnia & Herzegovina]  
3.0=.BE [Belgium]  
4.0=.BG [Bulgaria]  
5.0=.BY [Belarus]  
5.5=.CA [Canada]  
6.0=.CH [Switzerland]  
7.0=.CY [Cyprus]  
8.0=.CZ [Czech Republic]  
9.0=.DE [Germany]  
10.0=.DK [Denmark]  
11.0=.EE [Estonia]  
12.0=.ES [Spain]  
13.0=.FI [Finland]  
14.0=.FR [France]  
15.0=.GR [Greece]  
16.0=.HR [Croatia]  
17.0=.HU [Hungary]  
18.0=.IE [Ireland]  
18.5=.IL [Israel]  
18.7=.IS [Iceland]  
19.0=.IT [Italy]  
19.5=.LB [Lebanon]  
20.0=.LT [Lithuania]  
21.0=.LU [Luxembourg]  
22.0=.LV [Latvia]  
23.0=.MD [Moldova]  
24.0=.MK [Macedonia (FYRO)]  
25.0=.MT [Malta]  
26.0=.NL [Netherlands]  
27.0=.NO [Norway]  
27.5=.PH [Philippines]  
28.0=.PL [Poland]  
29.0=.PT [Portugal]  
30.0=.RO [Romania]  
31.0=.RS [Serbia]  
32.0=.RU [Russia]  
33.0=.SE [Sweden]  
34.0=.SI [Slovenia]  
35.0=.SK [Slovakia]  
36.0=.TR [Turkey]  
37.0=.UA [Ukraine]  
38.0=.UK [United Kingdom]

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

1=EU (European Union)  
2=EFTA (European Free Trade Association)  
3=EU Enlargement Area  
4=ENP (European Neighbourhood Policy)  
5=Russia  
6=Canada  
7=Philippines

Q008\_group2. RECODED VARIABLE. Sub-regions of Europe as used in EMIS 2010.

0=Canada

- 1=West Europe
- 2=Northwest Europe
- 3=Central-West Europe
- 4=Southwest Europe
- 5=Northeast Europe
- 6=Central-East Europe
- 7=Southeast Europe
- 8=East Europe
- 9=Middle East
- 10=Philippines

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

- 0=Canada
- 1=North Europe
- 2=West Europe
- 3=South Europe
- 4=East Europe
- 5=Western Asia
- 6=Philippines

[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 reading the survey

[If Q009=1, Exit page] Thank you for your interest in EMIS, first results will be available in mid 2018. You can get more information at [www.esticom.eu](http://www.esticom.eu)

Q010. Which [region etc.] do you live in? [Identical or comparable to EMIS 2010 Q5 depending on country; see notes in Section 11]

[see Section 11, Region Response Sets]

Q011. How would you describe the place you live in? [Identical to EMIS 2010 Q3]

- 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. Codes 1-60 are cities with populations of 500,000 or more with over 300 respondents, and country capitals and settlements thought to have a high gay relevance with over 100 respondents. Codes 60-105 are other cities with populations of 500,000 or more with over 100 respondents.

- 2=Other settlements (population under 500,000)
- 1=Other settlements (populations over 500,000)
- 0=Region (Q010) and/or settlement size (Q011) not answered
- 1=Amsterdam
- 2=Athens
- 3=Barcelona
- 4=Beirut
- 5=Belgrade
- 6=Berlin

7=Bologna  
8=Bordeaux  
9=Bratislava  
10=Brighton  
11=Brussels  
12=Bucharest  
13=Budapest  
14=Chisinau  
15=Cologne  
16=Copenhagen  
17=Dublin  
18=Frankfurt  
19=Geneva-Lausanne  
20=Gothenburg  
21=Hamburg  
22=Helsinki  
23=Istanbul  
24=Kiev  
25=Kraków  
26=Leipzig  
27=Lisbon  
28=Ljubljana  
29=London  
30=Lyon  
31=Madrid  
32=Manchester  
33=Manila  
34=Milan  
35=Minsk  
36=Montreal  
37=Moscow  
38=Munich  
39=Nicosia  
40=Oslo  
41=Paris  
42=Prague  
43=Riga  
44=Rome  
45=Sofia  
46=St.Petersburg  
47=Stockholm  
48=Tallinn  
49=Tel Aviv  
50=Thessaloniki  
51=Toronto  
52=Turin  
53=Valencia  
54=Valetta  
55=Vancouver  
56=Vienna  
57=Vilnius  
58=Warsaw  
59=Zagreb  
60=Zurich  
61=Ankara  
62=Antwerp  
63=Birmingham

64=Bremen  
 65=Bristol  
 66=Calgary  
 67=Cardiff  
 68=Den Haag  
 69=Dresden  
 70=Düsseldorf  
 71=Edinburgh  
 72=Edmonton  
 73=Florence  
 74=Gdańsk  
 75=Genoa  
 76=Glasgow  
 77=Hanover  
 78=Izmir  
 79=Krasnodar  
 80=Leeds  
 81=Lille  
 82=Liverpool  
 83=Łódź  
 84=Marseille  
 85=Montpellier  
 86=Nantes  
 87=Naples  
 88=Nice  
 89=Nuremberg  
 90=Novosibirsk  
 91=Ottawa–Gatineau  
 92=Palermo  
 93=Porto  
 94=Poznań  
 95=Rotterdam  
 96=Ruhr Region  
 97=Sevilla & Málaga  
 98=Samara  
 99=Strasbourg  
 100=Stuttgart  
 101=Toulouse  
 102=Winnipeg  
 103=Wrocław  
 104=Yekaterinburg  
 105=Zaragoza

#### YOUR COUNTRY OF BIRTH

Q012. Were you born in <Q008>? [Identical to EMIS 2010 Q6]  
 [No-Yes]

Q012\_modified. 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 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.

[If Q012=1]

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

that best applies.) [Identical to EMIS 2010 Q7]  
[see Section 10 for Country Response Set]

Q013\_continent. DERIVED VARIABLE. Country of birth grouped by continent.

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

[If Q012=1]

Q014. How many years have you been living in <Q008>? [Identical to EMIS 2010 Q8]

1=Less than 1 year

2=1

3=2

[...]

110=109

111=110

[If Q012=1]

Q015-Q023. Why did you come to <Q008>? (Tick as many as apply) [New question]

[Note: Some of the men who answered these questions had never changed country of residence. Using Q12\_modified will exclude these men.]

Q015. I was brought as a child  
[No-Yes]

Q016. To study  
[No-Yes]

Q017. To work  
[No-Yes]

Q018. To be with a partner  
[No-Yes]

Q019. To live more openly as gay/bisexual/trans  
[No-Yes]

Q020. To seek asylum  
[No-Yes]

Q021. I came as a refugee  
[No-Yes]

Q022. I was brought against my will  
[No-Yes]

Q023. Other answer

[If Q023=2]

Q024. Please describe your other answer.  
[write-in answer]

## YOUR SEXUALITY

Q025-Q029. Who are you sexually attracted to? (Tick as many as apply) [Comparable to EMIS 2010 Q9. Note: Replaces single sexual attraction measure (quasi-Kinsy scale) that (a) assumes increased homosexual attraction means decreased heterosexual attraction, and (b)

excludes non-binary attraction.]

Q025. Men  
[No-Yes]

Q026. Women  
[No-Yes]

Q027. Non-binary people (who identify as neither men nor women, or as both)  
[No-Yes]

Q028. I'm not attracted to anyone  
[No-Yes]

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? [Identical to EMIS 2010 Q

- 1=Gay or homosexual
- 2=Bisexual
- 3=Straight or heterosexual
- 4=Any other term
- 5=I don't usually use a term

[If Q025=2]

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? [Identical to EMIS 2010 Q11]

- 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. [Identical to EMIS 2010 Q12]  
[5 point disagree-agree]

Q032. I find it easy to say 'no' to sex I don't want. [Identical to EMIS 2010 Q13]  
[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 Q15 asked this with a binary option]

- 1=1 (most unhappy)
- 2=2

[...]  
9=9  
10=10 (most happy)

## RELATIONSHIPS

Q034. Do you currently have a 'steady partner', that is a lover or spouse that means you are not 'single'? [Combined with Q36-41 below, comparable to EMIS 2010 Q40-45 with the addition of non-binary partner responses]

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

[If Q034=1]

Q035. When did your most recent steady relationship break-up? [New question]

- 1=I've never had a steady relationship
- 2=Within the last 24 hours
- 3=Within the last 7 days
- 4=Within the last 4 weeks
- 5=Within the last 6 months
- 6=Within the last 12 months
- 7=Within the last 5 years
- 8=More than 5 years ago

[If Q034=2]

Q036-Q041. Are you currently in a steady relationship with...? (Tick as many as apply) [Combined with Q034 above, comparable to EMIS 2010 Q40-45 with the addition of non-binary partner responses]

Q036. One man  
[No-Yes]

Q037. More than one man  
[No-Yes]

Q038. One non-binary person  
[No-Yes]

Q039. More than one non-binary person  
[No-Yes]

Q040. One woman  
[No-Yes]

Q041. More than one woman  
[No-Yes]

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 or Q037=2]

Q042. How many years have you been in a steady relationship with this **man**? (If you have more than one steady relationship with a man, please tell us about the longest) [Identical to

EMIS 2010 Q46]

- 1=Less than a year
- 2=1
- 3=2
- [...]
- 25=24
- 26=25
- 27=More than 25 year

[If Q036=2 or Q037=2]

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) [Comparable to EMIS 2010 Q47 in combination with EMIS 2010 Q71]

- 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

[If Q040=2 or Q041=2]

**YOUR RELATIONSHIP WITH A WOMAN / WOMEN**

Q044. How many years have you been in a steady relationship with this **woman**? (If you have more than one steady relationship with a woman, please tell us about the longest) [Identical to EMIS 2010 Q48]

- 1=Less than a year
- 2=1
- 3=2
- [...]
- 25=24
- 26=25
- 27=More than 25 year

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) [Comparable to EMIS 2010 Q49 in combination with EMIS 2010 Q71]

- 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

[If Q038=2 or Q039=2]

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

Q046. How many years have you been in a steady relationship with this **non-binary** person? (If you have more than one steady relationship with a non-binary person, please tell us about the longest) [New question]

- 1=Less than a year
- 2=1
- 3=2
- [...]
- 25=24
- 26=25
- 27=More than 25 year

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) [New question]

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**

Q048. When was the last time you saw or heard any information about HIV or STIs specifically for men who have sex with men? [Identical to EMIS 2010 Q144]

[Recency scale with never]

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

Q049. AIDS is caused by a virus called HIV. [Identical to EMIS 2010 Q61]

[knowledge response set]

Q050. You cannot be confident about whether someone has HIV or not from their appearance. [Identical to EMIS 2010 Q66]

[knowledge response set]

Q051. There is a medical test that can show whether or not you have HIV. [Identical to EMIS 2010 Q63]

[knowledge response set]

Q052. If someone becomes infected with HIV it may take several weeks before it can be detected in a test. [Identical to EMIS 2010 Q65]

[knowledge response set]

## **DID YOU KNOW THIS ABOUT HIV TREATMENT**

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

Q053. There is currently no cure for HIV infection. [Identical to EMIS 2010 Q66]

[knowledge response set]

Q054. HIV infection can be controlled with medicines so that its impact on health is much less. [Identical to EMIS 2010 Q67]

[knowledge response set]

Q055. A person with HIV who is on effective treatment (called 'undetectable viral load') cannot pass their virus to someone else during sex. [New question replacing EMIS 2010 Q68]

[knowledge response set]

## **TESTING FOR HIV**

Q056. Have you ever received an HIV test result?

[No-Yes]

[If Q056=2]

Q057. Have you ever been diagnosed with HIV?

[No-Yes]

Q057testhist. DERIVED VARIABLE. HIV-testing history. [Combines Q056 and Q057 above, comparable to EMIS 2010 Q71]

[If Q056=1]

Q058. Have you ever been offered an HIV test by a health service? [New question]

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

[If Q056=1]

Q059. Do you know where you could get an HIV test? [New question]

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

[If Q057=2]

#### **BEING DIAGNOSED WITH HIV**

Q060. In which year were you initially diagnosed HIV positive? [Identical to EMIS Q72 with extended responses]

- 1=1984
- 2=1985
- [...]
- 33=2016
- 34=2017

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

[If Q060=33]

Q061. Were you diagnosed with HIV within the last 12 months? [Identical to EMIS 2010 Q73]  
[No-Yes]

Q061new. DERIVED VARIABLE. Diagnosed with HIV in past 12 months.

[Note: This variable uses responses to Q056, Q057, Q060 and Q061. Men who were diagnosed with HIV over 12 months ago are excluded (to give an incidence of HIV diagnosis among those able to be diagnosed).]

- 1=Not diagnosed with HIV in last 12 months
- 2=Diagnosed with HIV in last 12 months

Q062. Where were you initially diagnosed with HIV? [Identical to EMIS 2010 Q75 with modified response set, see 6.2]

- 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

Q063. When you were diagnosed HIV positive, how satisfied were you with the **support and information you received**? [New question replacing EMIS 2010 Q79-Q81]

- 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

[If Q057=2]

**MONITORING YOUR HIV INFECTION**

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) [Identical to EMIS 2010 Q82]  
[recency scale with never]

Q065. Have you ever taken antiretroviral treatment (sometimes known as ART or HAART) for your HIV infection? [Identical to EMIS 2010 Q83 with the addition of response 3]

1=No

2=Yes

3=I don't know

[If Q065=2]

Q066. How much time was there between your HIV diagnosis and you starting treatment?  
[New question]

[Q066a] [write in] years

[Q066b] [write in] months

Q066months. RECODED VARIABLE. Total number of months from Q066a and Q066b. [Note: Cases where the number of years given was greater than 33 years were coded as -3 'Out of range'.]

[If Q065=1]

Q067-Q076. Why have you never taken antiretroviral treatment for your HIV infection? (Tick as many as apply) [responses rotated]

Q067. I was diagnosed very recently [New question]

[No-Yes]

Q068. My doctor says I don't need antiretroviral treatment at the moment [Identical to EMIS 2010 Q84]

[No-Yes]

Q069. To avoid the side-effects [Identical to EMIS 2010 Q85]

[No-Yes]

Q070. I feel it is not necessary [Identical to EMIS 2010 Q86]

[No-Yes]

Q071. I'm afraid people will notice [Identical to EMIS 2010 Q87]

[No-Yes]

Q072. I don't want to be reminded about HIV every day [Identical to EMIS 2010 Q88]

[No-Yes]

Q073. I don't have health insurance cover [New question]

[No-Yes]

Q074. I can't afford the treatment [Identical to EMIS 2010 Q90]

[No-Yes]

Q075. I don't know where to get the treatment [New question]

[No-Yes]

Q076. Other reason. [Identical to EMIS 2010 Q91]

[No-Yes]

[If Q076=2]

Q077. For what other reason have you never taken antiretroviral treatment? [Identical to EMIS 2010 Q92]

[write in answer]

[If Q065=2]

Q078. Are you currently taking antiretroviral treatment? [Identical to EMIS 2010 Q93]

[No=Yes]

[If Q078=1]

Q079-Q086. Why have you stopped taking antiretroviral treatment? (Tick as many as apply) [responses rotated]

Q079. My doctor says I don't need antiretroviral treatment at the moment [Identical to EMIS 2010 Q94]

[No=Yes]

Q080. To avoid the side-effects [Identical to EMIS 2010 Q95]

[No=Yes]

Q081. I feel it is not necessary [Identical to EMIS 2010 Q96]

[No=Yes]

Q082. I'm afraid people will notice [Identical to EMIS 2010 Q97]

[No=Yes]

Q083. I don't want to be reminded about HIV every day [Identical to EMIS 2010 Q98]

[No=Yes]

Q084. I no longer have health insurance cover [New question]

[No=Yes]

Q085. I can no longer afford the treatment [Identical to EMIS 2010 Q100]

[No=Yes]

Q086. Other reason [Identical to EMIS 2010 Q101]

[No=Yes]

[If Q064=2]

Q087. For what other reason have you stopped taking antiretroviral treatment? [Identical to EMIS 2010 Q102]

[write in answer]

[If Q064<8, ie. 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? [Identical to EMIS 2010 Q103 with the addition of response 7]

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.

1=Undetectable

2=Detectable

[If Q057=1]

**ABOUT YOUR LAST HIV TEST**

Q089. When did you **last** have an HIV test? [Identical to EMIS 2010 Q104]  
[recency scale without never]

Q090. Where did you go for your **last** HIV test? [Identical to EMIS 2010 Q105 with modified response set, see 6.2]

- 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

Q091. The last time you tested for HIV, how satisfied were you with the **support and information you received**? [New question replacing EMIS 2010 Q109-Q111]

- 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

**ABOUT PEP (POST-EXPOSURE PROPHYLAXIS) FOR HIV**

Q092. Have you heard of **PEP**? [New question]

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

Q093-Q095. The following three statements are all TRUE. **Did you know this already?**

Q093. **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). [Identical to EMIS 2010 with addition of "for example by having intercourse without a condom"]

[knowledge response set]

Q094. PEP is a one month course of anti-HIV drugs. [Identical to EMIS 2010 Q248]

[knowledge response set]

Q095. PEP should be started as soon as possible after exposure, preferably within hours. [Identical to EMIS 2010 Q249]

[knowledge response set]

[If Q056=1 or Q057=1]

Q096. Have you ever tried to get PEP (even if you did not take it)? [New question]

[No=Yes response set]

[If Q096=2]

Q097. Have you ever taken PEP? [Comparable to EMIS 2010 Q250]

- 1=No, I could not get it
- 2=No, I had the opportunity but decided not to take it
- 3=Yes, I've taken one course of pills
- 4=Yes, I've taken more than one course of pills
- 5=I don't know

[If Q057=2]

Q098. Before you were diagnosed with HIV, had you ever tried to get PEP (even if you did not take it)? [New question]

[No-Yes]

[If Q098=2]

Q099. Before you were diagnosed with HIV, had you ever taken PEP? [Comparable to EMIS 2010 Q251]

- 1=No, I could not get it
- 2=No, I had the opportunity but decided not to take it
- 3=Yes, I've taken one course of pills
- 4=Yes, I've taken more than one course of pills
- 5=I don't know

[If Q097=3 or 4, or Q099=3 or 4]

Q100. For how many days did you take PEP? (If you've taken more than one course of pills, think about the most recent course) [New question]

[write in] days

[Page break with no heading]

[If Q056=1 or Q057=1]

Q101. How confident are you that you could get PEP if you thought you needed it? [Identical to EMIS 2010 Q252]

- 1=Very confident
- 2=Quite confident
- 3=A little confident
- 4=Not at all confident
- 5=I don't know

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

Q102. Have you heard of **PrEP**? [New question]

[No-Yes]

Q103-Q105. The following three statements are all TRUE. **Did you know this already?**

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. [New question]

[knowledge response set]

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

[knowledge response set]

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

[knowledge response set]

Please note: Taking PrEP just before and after sex has been shown to be protective in anal but

not vaginal intercourse.

Q106. Has anyone at a health service in <Q8> ever spoken to you personally about PrEP? [New question]

1=No

2=Yes

3=I don't know

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

Q107. General Practitioner / family doctor [New question]

[No-Yes]

Q108. A doctor in private practice [New question]

[No-Yes]

Q109. At a hospital or clinic as an out-patient, or an Institute [New question]

[No-Yes]

Q110. At a community service or drop-in (that is not in a hospital or clinic) [New question]

[No-Yes]

Q111. Other answer [New question]

[No-Yes]

[If Q111=2]

Q112. Please describe your other answer. [New question]

[write in answer]

[Page break with no heading]

Q113. Have you ever tried to get PrEP? [New question]

[No-Yes]

Q114. Have you ever taken PrEP? [New question]

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

[If Q114=2 or 3 or 4]

Q115.? [New question]

[No-Yes]

Q116. Have you ever received a medical prescription in <Q10> for PrEP? [New question]

[No-Yes]

[If Q116=2]

Q117-Q121. Where have you had a prescription for PrEP from? (Tick as many as apply)

Q117. General Practitioner / family doctor [New question]

[No-Yes]

Q118. A doctor in private practice [New question]

[No-Yes]

Q119. At a hospital or clinic as an out-patient, or an Institute [New question]  
[No-Yes]

Q120. At a community health service or drop-in (not in a hospital or clinic) [New question]  
[No-Yes]

Q121. Other answer [New question]  
[No-Yes]

[If Q121=2]

Q122. Please describe your other answer [New question]  
[write in answer]

[If Q114=2 or 3 or 4]

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

Q123. As a participant in a research study [New question]  
[No-Yes]

Q124. General Practitioner / family doctor [New question]  
[No-Yes]

Q125. A doctor in private practice [New question]  
[No-Yes]

Q126. At a hospital, clinic or Institute [New question]  
[No-Yes]

Q127. At a community health service or drop-in (not in a hospital or clinic) [New question]  
[No-Yes]

Q128. From an online pharmacy [New question]  
[No-Yes]

Q129. From a physical pharmacy (not online) [New question]  
[No-Yes]

Q130. I used PEP pills as PrEP [New question]  
[No-Yes]

Q131. I used someone else's anti-retroviral therapy (ART) pills as PrEP [New question]  
[No-Yes]

Q132. Other answer [New question]  
[No-Yes]

[If Q132=2]

Q133. Please describe your other answer [New question]  
[write in answer]

Q124\_125\_126\_129. DERIVED VARIABLE. [For multiple choice evaluations indicating prescription: Where PrEP pills from? Medical doctor / clinic / regular pharmacy]

[If Q056=1 or Q057=1]

Q134. If PrEP was available and affordable to you, how likely would you be to use it? [New



question]

- 1=Very unlikely
- 2=Quite unlikely
- 3=Not sure
- 4=Quite likely
- 5=Very likely

## **ABOUT VIRAL HEPATITIS**

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

Q135. 'Hepatitis' is an inflammation of the liver. [New question]  
[Knowledge response set]

Q136. Most hepatitis is caused by viruses. [New question]  
[Knowledge response set]

Q137. There are several types of hepatitis viruses, named after the letters of the alphabet. [New question]  
[Knowledge response set]

Q138. Vaccines exist for both hepatitis A and hepatitis B. [New question]  
[Knowledge response set]

Q139. Doctors recommend men-who-have-sex-with-men are vaccinated against both hepatitis A and hepatitis B viruses. [New question]  
[Knowledge response set]

## **ABOUT VIRAL HEPATITIS VACCINATION**

Q140. Have you ever been offered any hepatitis vaccination by a health service? [New question]

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

Q141. Have you been vaccinated against hepatitis A? [New question]  
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

[If Q141=2 or 4 or 5]

Q142. Do you know where you could get vaccinated against hepatitis A? [New question]  
1=No  
2=Yes  
3=Not sure

Q143. Have you been vaccinated against hepatitis B? [Identical to EMIS 2010 Q119 with modified response set, see 6.2]

- 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=2 or 5 or 6 or 7]

Q144. Do you know where you could get vaccinated against hepatitis B? [New question]

1=No

2=Yes

3=Not sure

## ABOUT HEPATITIS C

There is no vaccine against hepatitis C

Q145. Have you ever been diagnosed with hepatitis C? [Identical to EMIS 2010 Q141]

1=No

2=Yes

3=I don't know

[If Q145=2]

Q146. When were you **FIRST** diagnosed with hepatitis C? [Identical to EMIS 2010 Q142]  
[recency scale without never]

[If Q145=2]

Q147. How many times have you picked up hepatitis C infection? [New question]

1=Once

2=Twice

3=Three or more times

[If Q145=2]

Q148. What is your current hepatitis C status? [Identical to EMIS 2010 Q143]

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

## TESTING FOR OTHER SEXUALLY TRANSMITTED INFECTIONS

Q149. Have you ever had a test for sexually transmitted infections (STIs) other than HIV?  
[Identical to EMIS 2010 Q122]

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? [Identical to EMIS 2010 Q123]  
[recency scale without never]

[If Q150<6, ie. within last year]

Q151. Did you have any symptoms on that occasion? [Identical to EMIS 2010 Q124]

1=No

2=Yes

3=I don't remember

[If Q150<6, ie. within last year]

Q152. On that occasion, did your health care provider know you have sex with men? [New question replacing EMIS 2010 Q76-Q78 and Q106-108]

1=Yes, they definitely knew

2=Yes, they probably knew

- 3=No, they did not know I have sex with men  
4=I don't know whether they knew or not

[If Q150<6, ie. within last year]

**WHAT HAPPENED DURING STI TESTS IN THE LAST 12 MONTHS**

Q153. So we can ask appropriate questions about STI tests, and because people's bodies differ, do you have... [New question]

- 1=A penis (cock)  
2=A vagina (pussy, front-bottom)  
3=Both of these  
4=Neither of these

Q154. Have you provided a **blood sample** as part of any STI test in the last 12 months?  
[Identical to EMIS 2010 Q125]

- 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?  
[Identical to EMIS 2010 Q126]

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

[If Q153=1 or 3]

Q156. Was something inserted into the opening of your penis (**urethral swab**) as part of any STI test in the last 12 months? [Identical to EMIS 2010 Q128]

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

[If Q153=1 or 3]

Q157. Has your **penis been examined** as part of any STI test in the last 12 months?  
[Identical to EMIS 2010 Q127]

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

[If Q153=2 or 3]

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

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

[If Q153=2 or 3]

Q159. Has your **vagina** been examined as part of any STI test in the last 12 months? [New question]

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

Q160. Was something inserted into your anus (**anal swab**) as part of any STI test in the last 12 months? [Identical to EMIS 2010 Q130]

- 1=No  
2=Yes

3=I don't remember

Q161. Has your **anus been examined** as part of any STI test in the last 12 months?  
[Identical to EMIS 2010 Q129]

1=No

2=Yes

3=I don't remember

#### **BEING DIAGNOSED WITH SEXUALLY TRANSMITTED INFECTIONS**

Q162. Have you ever been diagnosed with **syphilis**? [Identical to EMIS 2010 Q131]

1=No

2=Yes

3=I don't know

[If Q162=2]

Q163. When were you last diagnosed with **syphilis**? [Identical to EMIS 2010 Q132]  
[recency scale without never]

[If Q163<6, ie. within last 12 months]

Q164. The last time you were diagnosed with **syphilis**, did you (or your healthcare provider) inform your recent sexual partners that they also needed a test/treatment? [New question]

1=No, none of them

2=Yes, some of them

3=Yes, all of them

4=I don't remember

Q165. Have you ever been diagnosed with **gonorrhoea**? [Identical to EMIS 2010 Q133]

1=No

2=Yes

3=I don't know

[If Q165=2]

Q166. When were you last diagnosed with **gonorrhoea**? [Identical to EMIS 2010 Q134]  
[recency scale without never]

[If Q166<6, ie. within last 12 months]

Q167. The last time you were diagnosed with **gonorrhoea**, did you (or your healthcare provider) inform your recent sexual partners that they also needed a test/treatment? [New question]

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**? [Identical to EMIS 2010 Q135 with the addition of "or LGV"]

1=No

2=Yes

3=I don't know

[If Q168=2]

Q169. When were you last diagnosed with **Chlamydia or LGV**? [Identical to EMIS 2010 Q136 with the addition of "or LGV"]  
[recency scale without never]

Q170. Have you ever been diagnosed with **anal or genital warts**? [Identical to EMIS 2010

Q137]

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

[If Q170=2]

Q171. When were you **FIRST** diagnosed with **anal or genital warts**? [Identical to EMIS 2010 Q138]

[recency scale without never]

## ABOUT SEX WITH MEN

In this survey, we use "sex" to mean physical contact to orgasm (or close to orgasm) for one or both partners. [Identical to EMIS 2010]

Q172. Have you ever had any kind of sex with a man (please include any sexual contact, not just intercourse)? [New question comparable to EMIS 2010 Q148, response 8]

[No-Yes]

[If Q172=2]

Q173. How old were you the **very first** time you had any kind of sex with another male, or another male had any kind of sex with you? [Comparable to EMIS 2010 Q149]

- 1=I don't remember
- 2=Younger than 13 years
- 3=13
- 4=14
- [...]
- 19=29
- 20=30
- 21=Older than 30 years

[If Q172=2]

Q174. When did you last have any kind of sex with a man (please include any sexual contact, not just intercourse)? [Identical to EMIS 2010 Q148]

[recency scale with never. Note: this response set should have been served 'without never'. Respondents were therefore able to indicate 'Yes' at Q172 and 'Never' at Q174.]

[If Q172=2]

## ABOUT SEX WITH MEN [2]

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. [Modified definition, see 6.3]

Q175. Have you **ever** had intercourse with a man (either "passive" or "active" fucking), either with or without a condom? [Comparable to EMIS 2010 Q150]

[No-Yes]

[If Q175=2]

Q176. How old were you the **very first** time you had intercourse with another male? [Comparable to EMIS 2010 Q151]

- 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]

Q177. When did you **last** have intercourse with a man (either with or without a condom)?

[Comparable to EMIS 2010 Q152]

[recency scale without never]

[If Q174<6, ie. sex with a man in the last 12 months]

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

In this survey we use the term '**steady partners**' to refer to boyfriends or husbands that mean you are not 'single', but not to partners who are simply sex buddies. [Identical to EMIS 2010]

Q178. In the last 12 months have you had **any kind** of sex with a **steady male partner**?

[Identical to EMIS 2010 Q155]

[No-Yes]

[Note: In the following three variables (Q179-Q181), -1=Not answered, 0=None]

[If Q178=2]

Q179. How many different **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 steady partner in the last 12 months. Identical to EMIS 2010 Q156]

0=None

1=1

2=2

[...]

9=9

10=10 or more

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. [New text]

[If Q178=2]

Q180. How many steady male partners have you had **intercourse** with in the last 12 months?

[Comparable to EMIS 2010 Q157]

0=None

1=1

2=2

[...]

9=9

10=10 or more

[If Q180>0]

Q181. How many steady male partners have you had **intercourse without a condom** with in the last 12 months? [Comparable to EMIS 2010 Q158]

0=None

1=1

2=2

[...]

9=9

10=10 or more

[If Q174<6, ie. sex with a man in the last 12 months]

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

In this survey we use the term '**non-steady 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).  
[Identical to EMIS 2010]

Q182. In the last 12 months, have you had **any kind** of sex with a **non-steady male** partner?  
[Identical to EMIS 2010 Q163]

[No-Yes]

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

[If Q182=2]

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 last 12 months. Identical to EMIS 2010 Q164]

0=None

1=1

2=2

[...]

10=10

11=11-20

12=21-30

13=31-40

14=41-50

15=More than 50

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. [New text]

[If Q182=2]

Q184. How many non-steady partners did you have **intercourse** with in the last 12 months?  
[Comparable to EMIS 2010 Q165]

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 Q184>0]

Q185. How many non-steady male partners have you had **intercourse without a condom** with in the last 12 months? [Comparable to EMIS 2010 Q166]

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 Q184>0]

**ABOUT INTERCOURSE WITH NON-STEADY MALE PARTNERS**

Q186. In the last 12 months, how often were **condoms** used when you had intercourse with non-steady male partners? [Identical to EMIS 2010 Q177]

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

[If Q186<5]

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**? [Comparable to EMIS 2010 Q179]

[No-Yes]

[If Q187=2]

Q188. Did that HIV-positive man / those HIV-positive men have undetectable viral load? [New question]

- 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 Q186<5]

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**? [Comparable to EMIS 2010 Q180]

[No-Yes]

[If Q189=2]

Q190. Was that HIV-negative man / were those HIV-negative men **taking PrEP**? [New question]

- 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 Q186<5]

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**? [Comparable to EMIS 2010 Q181]

[No-Yes]

[If Q182=2]

**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). [Comparable to EMIS 2010]

Q192. Were you having sex with one man or more than one man? [New question]



- 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: In EMIS 2010 the following block of questions were not split for one non-steady versus more than one non-steady. Therefore comparability with EMIS 2010 requires the combining of two questions below for each EMIS 2010 question.]

[If Q192=1 or 2]

**[IF LAST NON-STEADY SESSION WAS WITH ONE PARTNER OR THREESOME WITH STEADY PARTNER (1)]** [Note: this page heading was not seen on-screen]

Q193. Where did you have sex? [New question]

- 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 Q193=9]

Q194. Please describe your other answer [New question]  
[write in answer]

[If Q192=2]

Please answer the following question with regard to the non-steady partner. [New text]

Q195. Where did you **first** meet him? [With Q243-Q253 below, comparable to EMIS 2010 Q182 with modified response set, see Section 6.2]

- 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

Q196. Have you had sex with him before (on a different occasion)? [With Q254 below, comparable to EMIS 2010 Q183]

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

Q197. What did you tell him about your HIV status before or during sex? [with Q255 below, comparable to EMIS 2010 Q184]

- 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

[If Q197=2]

Q198. What did you tell him about your PrEP use? [New question]

- 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? [New question]

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

Q200. What did you know or think about his HIV status before having sex? [With Q258 below, comparable to EMIS 2010 Q185]

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

[If Q200=2]

Q201. What did he tell you about his viral load? [New question]

- 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]

Q202. What did he tell you about his PrEP use? [New question]

- 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

[If Q192=1 or 2]

**[IF LAST NON-STEADY SESSION WAS WITH ONE PARTNER OR THREESOME WITH STEADY PARTNER (2)].** Note: this page heading was not seen on-screen]

Still thinking about the last time you had sex with a non-steady male partner...

Q203. Did you have intercourse (fuck) on that occasion? [With Q261 below, comparable to EMIS 2010 Q187]

- 1=No
- 2=Yes, he fucked me (I was 'passive')
- 3=Yes, I fucked him (I was 'active')
- 4=Yes, we fucked each other (I was both 'passive' and 'active')

[If Q203= 2 or 4]

Q204. Did **he use a condom** when he was active in intercourse (when he fucked you)? [With Q262 below, comparable to EMIS 2010 Q188 with modified response set]

- 1=No
- 2=Yes, all the time he was fucking
- 3=Yes, but not all the time
- 4=I don't remember/I don't know

[If Q204=1 or 3]

Q205. Did **he ejaculate (cum)** into your rectum (arse)? [With Q263 below, comparable to EMIS 2010 Q189]

- 1=No
- 2=Yes

3=I don't remember/I don't know

[If Q203=3 or 4]

Q206. Did **you** use a condom when you were "active" in intercourse? [With Q264 below, comparable to EMIS 2010 Q190 with modified response set]

1=No

2=Yes, all the time I was fucking

3=Yes, but not all the time

4=I don't remember/I don't know

[If Q206=1 or 3]

Q207. Did **you** ejaculate (cum) into his rectum (arse)? [With Q265 below, comparable to EMIS 2010 Q191]

1=No

2=Yes

3=I don't remember/I don't know

Q208-Q217. During that session, did you engage in... (tick as many as apply) [With Q266-Q275 below, compare EMIS 2010 Q167-Q175]

Q208. Mutual masturbation (wanking)?

[No-Yes]

Q209. You sucking his penis (cock)?

[No-Yes]

Q210. Him sucking your penis (cock)?

[No-Yes]

Q211. You licking his anus (rimming him)?

[No-Yes]

Q212. Him licking your anus (him rimming you)?

[No-Yes]

Q213. You put your hand past the knuckle into his rectum (you fist-fucked him)?

[No-Yes]

Q214. He put his hand past the knuckle into your rectum (he fist-fucked you)?

[No-Yes]

Q215. Using sex toys for penetration

[No-Yes]

Q216. Sharing sex toys for penetration

[No-Yes]

Q217. Other sex acts

[No-Yes]

[If Q217=2]

Q218. What other sex acts did you engage in?

[write in answer]

Q219-Q237. Which of these substances had you taken shortly before or during this session? (Tick as many as apply) [New question. Note: ]

Q219. Alcohol

[No-Yes]

Q220. Poppers (nitrite inhalants)

[No-Yes]

Q221. Viagra®, Cialis®, Levitra® or other substances that help to get or keep an erection

[No-Yes]

Q222. Sedatives or tranquilizers (Valium®, Rivotril®, Rohypnol®, Xanax®, Seduxen®, Phenazepam)

[No-Yes]

Q223. Cannabis (hashish, marijuana)

[No-Yes]

Q224. Synthetic cannabinoids (eg. Spice, K2, herbal incense)

[No-Yes]

Q225. Ecstasy (E, XTC, MDMA) in the form of a pill

[No-Yes]

Q226. Ecstasy (E, XTC, MDMA) in the form of a crystal or powder

[No-Yes]

Q227. Amphetamine (speed)

[No-Yes]

Q228. Crystal methamphetamine (crystal, meth, Tina, Pervitin)

[No-Yes]

Q229. Heroin or related drugs (poppy straw, kompot, fentanyl)

[No-Yes]

Q230. Mephedrone (4-MMC, meow, methylene, bubbles)

[No-Yes]

Q231. Synthetic stimulants other than mephedrone (eg. MXE, bathsalts, 3-MMC, 4-MEC, 4\_FA, XTC-light)

[No-Yes]

Q232. GHB/GBL (liquid ecstasy)

[No-Yes]

Q233. Ketamine (special K)

[No-Yes]

Q234. LSD (acid)

[No-Yes]

Q235. Cocaine

[No-Yes]

Q236. Crack cocaine

[No-Yes]

Q237. I took drugs but I don't know which drugs

[No-Yes]

Q238. I had not taken any drugs or alcohol

[No-Yes]

[If Q221=2 or Q225=2 or Q226=2 or Q227=2 or Q228=2 or Q229=2 or Q230=2 or Q231=2 or Q232=2 or Q234=2 or Q235=2]

[Note: In error, the condition for the injecting question omitted indicating 'ketamine', 'crack cocaine' and 'I took drugs but I don't know which drugs'. Respondents who indicated these responses (and/or alcohol, poppers, sedatives, cannabis, synthetic cannabinoids) but none of the other drugs were not asked Q239.]

Q239. Did you inject drugs (or have someone inject you) on this occasion? [New question]

[No-Yes]

Q240. On a scale of 1 (worst) to 10 (best), how would you rate this sexual session? [With Q298 below, comparable to EMIS 2010 Q196]

1=1 (worst)

2=2

[...]

9=9

10=10 (best)

[If Q192=3 or 4]

**[IF LAST NON-STEADY SESSION WAS WITH MULTIPLE PARTNERS (1).** Note: this page heading was not seen on-screen]

Q241. Where did you have sex? [New question]

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 Q241=8]

Q242. Please describe your other answer [New question]

[write in answer]

Q243-Q253. Where did you **first** meet them? (tick as many as apply) [With Q195 above, comparable to EMIS 2010 Q182 with modified response set, see Section 6.2]

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

[No-Yes]

Q244. A gay café or gay bar

[No-Yes]

Q245. A gay disco or nightclub

[No-Yes]

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

[No-Yes]

Q247. A gay sex party in a private home

[No-Yes]

Q248. A gay sauna  
[No-Yes]

Q249. A porn cinema  
[No-Yes]

Q250. A cruising location (street, roadside service area, park, beach, baths, lavatory)  
[No-Yes]

Q251. On my mobile phone (or other GPS enabled device)  
[No-Yes]

Q252. Elsewhere on the internet  
[No-Yes]

Q253. Elsewhere  
[No-Yes]

Q254. Have you had sex with any of them before (on a different occasion)? [With Q196 above, comparable to EMIS 2010 Q183]

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

Q255. What did you tell them about your HIV status before or during sex? [With Q197 above, comparable to EMIS 2010 Q184]

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

[If Q255=2]

Q256. What did you tell them about your PrEP use? [New question]

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? [New question]

1=I told them I was undetectable

2=I told them I was detectable

3=I told them nothing about my viral load

Q258. What did you know or think about their HIV statuses before having sex? [With Q200 above, comparable to EMIS 2010 Q185]

1=I knew or thought they were all HIV negative

2=I knew or thought they were all HIV positive

3=I knew or thought they had different HIV statuses

4=I don't remember

5=I didn't have any thoughts about their HIV statuses

[If Q258=1 or 3]

Q259. Did any of them tell you they were on PrEP?

1=No

2=Yes

3=I don't know / I don't remember

[If Q258=2 or 3]

Q260. Did any of them tell you they had undetectable viral load?

1=No

2=Yes

3=I don't know / I don't remember

[If Q192=3 or 4]

**[IF LAST NON-STEADY SESSION WAS WITH MULTIPLE PARTNERS (2)].** Note: this page heading was not seen on-screen]

Still thinking about the last time you had sex with non-steady male partners...

Q261. Did you have intercourse (fuck) on that occasion? [With Q203 above, comparable to EMIS 2010 Q185]

1=No

2=Yes, someone fucked me (I was 'passive')

3=Yes, I fucked someone (I was 'active')

4=Yes, I both fucked and got fucked (I was both 'active' and 'passive')

[If Q261=2 or 4]

Q262. Did the men fucking you **use condoms**? [With Q204 above, comparable to EMIS 2010 Q188 with modified response set]

1=No

2=Yes, all the time they were fucking me

3=Yes, but not all the time they were fucking me

4=I don't remember/I don't know

[If Q261=2 or 4]

Q263. Did **any men** ejaculate (cum) into your rectum (arse)? [With Q205 above, comparable to EMIS 2010 Q189]

1=No

2=Yes

3=I don't know / I don't remember

[If Q261=3 or 4]

Q264. Did **you** use condoms when were active in intercourse (you fucking them)? [With Q206 above, comparable to EMIS 2010 Q190 with modified response set]

1=No

2=Yes, all the time I was fucking

3=Yes, but not all the time I was fucking

4=I don't remember/I don't know

[If Q261=3 or 4]

Q265. Did **you** ejaculate (cum) into anyone's rectum (arse)? [With Q207 below, comparable to EMIS 2010 Q191]

1=No

2=Yes

3=I don't know / I don't remember

Q266-Q275. During that session, with any partner did you engage in...(tick as many as apply) [With Q208-Q218 above, compare EMIS 2010 Q167-Q175]

Q266. Mutual masturbation (wanking)?

[No-Yes]

Q267. You sucking his penis (cock)?

[No-Yes]

Q268. Him sucking your penis (cock)?

[No-Yes]

Q269. You licking his anus (rimming him)?

[No-Yes]

Q270. Him licking your anus (him rimming you)?

[No-Yes]

Q271. You put your hand into his rectum (you fist-fucked him)?

[No-Yes]

Q272. He put his hand into your rectum (he fist-fucked you)?

[No-Yes]

Q273. Using sex toys for penetration

[No-Yes]

Q274. Sharing sex toys for penetration

[No-Yes]

Q275. Other sex acts

[No-Yes]

[If Q275=2]

Q276. What other sex acts did you engage in?

[write in answer]

Q277-Q296. Which of these substances had you taken shortly before or during this session?  
(tick as many as apply) [New question]

Q277. Alcohol

[No-Yes]

Q278. Poppers (nitrite inhalants)

[No-Yes]

Q279. Viagra®, Cialis®, Levitra® or other substances that help to get or keep an erection

[No-Yes]

Q280. Sedatives or tranquilizers (Valium®, Rivotril®, Rohypnol®, Xanax®, Seduxen®, Phenazepam)

[No-Yes]

Q281. Cannabis (hashish, marijuana)

[No-Yes]

Q282. Synthetic cannabinoids (eg. Spice, K2, herbal incense)

[No-Yes]

Q283. Ecstasy (E, XTC, MDMA) in the form of a pill

[No-Yes]

Q284. Ecstasy (E, XTC, MDMA) in the form of a crystal or powder

[No-Yes]



Q285. Amphetamine (speed)  
[No-Yes]

Q286. Crystal methamphetamine (crystal, meth, Tina, Pervitin)  
[No-Yes]

Q287. Heroin or related drugs (poppy straw, kompot, fentanyl)  
[No-Yes]

Q288. Mephedrone (4-MMC, meow, methylene, bubbles)  
[No-Yes]

Q289. Synthetic stimulants other than mephedrone (eg. MXE, bathsalts, 3-MMC, 4-MEC, 4\_FA, XTC-light)  
[No-Yes]

Q290. GHB/GBL (liquid ecstasy)  
[No-Yes]

Q291. Ketamine (special K)  
[No-Yes]

Q292. LSD (acid)  
[No-Yes]

Q293. Cocaine  
[No-Yes]

Q294. Crack cocaine  
[No-Yes]

Q295. I took drugs but I don't know which drugs  
[No-Yes]

Q296. I had not taken any drugs or alcohol  
[No-Yes]

[If Q280=2 or Q284=2 or Q285=2 or Q286=2 or Q287=2 or Q288=2 or Q289=2 or Q291=2 or Q293=2 or Q294=2]

[Note: In error, the condition for the injecting question omitted indicating 'Viagra etc', and 'I took drugs but I don't know which drugs'. Respondents who indicated these responses (and/or alcohol, poppers, cannabis, synthetic cannabinoids, ecstasy in the form of a pill, GHB/GBL, LSD) but none of the other drugs were not asked Q297.]

Q297. Did you inject drugs (or have someone inject you) on this occasion? [New question]  
[No-Yes]

Q298. On a scale of 1 (worst) to 10 (best), how would you rate this sexual session? [With Q240 above, comparable to EMIS 2010 Q196]

1=1 (worst)

2=2

[...]

9=9

10=10 (best)

## **PAYING AND BEING PAID FOR SEX WITH MEN**

Q299. When was the last time **you paid a man** to have sex with you. By paid we mean you gave him money, gifts or favours in return for sex. [New question]  
[Recency scale with never]

[If Q299<6, ie. within last 12 months]

Q300. In the last 12 months, how often have **you paid a man** to have sex with you? [With Q299 above, comparable to EMIS 2010 Q197]

- 1=1-2 times
- 2=3-10 times
- 3=11-50 times
- 4=More than 50 times

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, gifts or favours in return for sex? [New question]  
[Recency scale with never]

[If Q301<6, ie. within last 12 months]

Q302. In the last 12 months how often have **you been paid by a man** to have sex with him? [With Q301 above, comparable to EMIS 2010 Q198]

- 1=1-2 times
- 2=3-10 times
- 3=11-50 times
- 4=More than 50 times

## ABOUT SEX WITH WOMEN

In this survey, we use "sex" to mean physical contact to orgasm (or close to orgasm) for one or both partners. [Identical to EMIS 2010]

Q303. When did you last have any kind of sex with a woman? [Identical to EMIS 2010 Q208]  
[Recency scale with never]

[If Q303<6, ie. within last 12 months]

In this survey we use the term "intercourse" to mean sex where one partner puts their penis into the other partner's vagina or anus, whether or not this occurs to ejaculation. "Intercourse" does not include oral sex or the use of dildos. [Modified definition, see 6.3]

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

[If Q303<6, ie. within last 12 months]

Q304. How many different women, have you had intercourse with in the last 12 months? [Comparable to EMIS 2010 Q209]

- 0=None
- 1=1
- 2=2
- [...]
- 9=9
- 10=10 or more

[If Q304>0]

Q305. In the last 12 months, how often have you used condoms when you had intercourse with women? [Comparable to EMIS 2010 Q210]

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

### **DID YOU KNOW THIS ABOUT HIV TRANSMISSION**

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

Q306. HIV **cannot** be passed during kissing, including deep kissing, because saliva does not transmit HIV. [Identical to EMIS 2010 Q241]

[knowledge response set]

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. [Comparable to EMIS 2010 Q242]

[knowledge response set]

Q308. You **can** pick up HIV through your rectum or vagina while being 'passive' during sex (being fucked). [Comparable to EMIS 2010 Q243]

[knowledge response set]

Q309. What do you think your current HIV status is (whether or not you've ever tested for HIV)? [Identical to EMIS 2010 Q69]

1=Definitely negative (I don't have HIV)

2=Probably negative

3=Not sure / I don't know

4=Probably positive

5=Definitely positive (I do have HIV)

### **DID YOU KNOW THIS ABOUT STI TRANSMISSION**

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

Q310. Most sexually transmitted infections can be passed on more easily than HIV. [Identical to EMIS 2010 Q246]

[knowledge response set]

Q311. Because they sometimes have no symptoms, people can have sexually transmitted infections without knowing it. [New question]

[knowledge response set]

Q312. The correct use of condoms throughout intercourse reduces the likelihood of picking up and passing on STIs (including HIV). [New question]

[knowledge response set]

### **ABOUT YOUR ACCESS TO CONDOMS**

Q313. When was the last time you had intercourse without a condom solely because you did not have a condom? [Comparable to EMIS 2010 Q207]

[recency scale with never]

Q314-Q323. Where have you got condoms from in the last 12 months? (Tick all that apply) [New question]

Q314. Bought online [New question]

[No-Yes]

Q315. Bought at a physical shop (not online) [New question]

[No-Yes]

Q316. Bought from a vending machine [New question]

[No-Yes]

Q317. Free from clinics [New question]  
[No-Yes]

Q318. Free from gay bars/clubs [New question]  
[No-Yes]

Q319. Free from saunas [New question]  
[No-Yes]

Q320. Free from gay or HIV community organisations [New question]  
[No-Yes]

Q321. From friends/sex partners [New question]  
[No-Yes]

Q322. Other answer [New question]  
[No-Yes]

Q323. I have not got condoms in the last 12 months [New question]  
[No-Yes]

[If Q322=2]

Q324. Please describe your other answer. [New question]

[If any of Q314 to Q322 = 2]

Q325. Where have you **most commonly** got condoms from in the last 12 months? [New question]

- 1=Bought online
- 2=Bought at a physical shop (not online)
- 3=Bought from a vending machine
- 4=Free from clinics
- 5=Free from gay bars/clubs
- 6=Free from saunas
- 7=Free from gay or HIV community organisations
- 8=From friends/sex partners
- 9=Other answer

[If Q325=9]

Q326. Please describe your other answer. [New question]  
[write in answer]

### 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 [New question]

- 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 [New question]

- 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 [New question]

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

Q330. Feeling down, depressed, or hopeless [New question]

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

Q330\_PHQ4. RECODED VARIABLE. Patient Health Questionnaire-4. [Items Q327 to Q330 form a combined measure of anxiety and depression, the PHQ-4 (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). 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? [New question]

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

#### 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**? [Identical to EMIS 2010 Q244]  
[recency scale with never]

Q333. When was the last time you consumed **tobacco products**? [Identical to EMIS 2010 Q225]  
[recency scale with never]

Q334. When was the last time you consumed **poppers** (nitrite inhalants)? [Identical to EMIS 2010 Q246]  
[recency scale with never]

#### ABOUT USING VARIOUS SUBSTANCES [2]

Q335. When was the last time you consumed **Viagra®, Cialis®, Levitra® or other substances** that help to get or keep an erection? [Comparable to EMIS 2010 Q247]  
[recency scale with never]

Q336. When was the last time you consumed sedatives or tranquilizers (**Valium®, Rivotril®, Rohypnol®, Xanax®, Seduxen®, Phenazepam®**)? {Comparable to EMIS 2010 Q228]

[recency scale with never]

Q337. Have you EVER taken any other recreational or illicit drugs? [Identical to EMIS 2010 Q229]

[No-Yes]

[If Q337=2]

**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.

Q338. When was the last time you consumed **cannabis (hashish, marijuana)**? [Identical to EMIS 2010 Q230]

[recency scale with never]

Q339. When was the last time you consumed **synthetic cannabinoids (eg. Spice, K2, herbal incense)**? [New question]

[recency scale with never]

Q340. When was the last time you consumed **ecstasy (E, XTC, MDMA) in the form of a pill**? [With Q341 below, comparable to EMIS 2010 Q231]

[recency scale with never]

Q341. When was the last time you consumed **ecstasy (E, XTC, MDMA) in the form of a crystal or powder**? [With Q340 above, comparable to EMIS 2010 Q231]

[recency scale with never]

[If Q337=2]

**ABOUT OTHER SUBSTANCES YOU MAY HAVE CONSUMED [2]**

Q342. When was the last time you consumed **amphetamine (speed)**? [Identical to EMIS 2010 Q232]

[recency scale with never]

Q343. When was the last time you consumed **crystal methamphetamine (crystal, meth, Tina, Pervitin)**? [Comparable to EMIS 2010 Q233]

[recency scale with never]

Q344. When was the last time you consumed **heroin or related drugs** (poppy straw, kompot, fentanyl)? [Identical to EMIS 2010 Q234]

[recency scale with never]

Q345. When was the last time you consumed **mephedrone (4-MMC, meow, methylone, bubbles)**? [Identical to EMIS 2010 Q235]

[recency scale with never]

Q346. When was the last time you consumed **synthetic stimulants other than mephedrone (eg. MXE, bathsalts, 3-MMC, 4-MEC, 4\_FA, XTC-light)**? [New question]

[recency scale with never]

[If Q337=2]

**ABOUT OTHER SUBSTANCES YOU MAY HAVE CONSUMED [3]**

Q347. When was the last time you consumed **GHB/GBL (liquid ecstasy)**? [Identical to EMIS 2010 Q236]

[recency scale with never]

Q348. When was the last time you consumed **ketamine (special K)**? [Identical to EMIS 2010 Q237]

[recency scale with never]

Q349. When was the last time you consumed **LSD (acid)**? [Identical to EMIS 2010 Q238]  
[recency scale with never]

Q350. When was the last time you consumed **cocaine**? [Identical to EMIS 2010 Q239]  
[recency scale with never]

Q351. When was the last time you consumed **crack cocaine**? [Identical to EMIS 2010 Q240]  
[recency scale with never]

#### **ABOUT INJECTING**

Q352. Have you ever injected anabolic steroids (testosterone), or had someone else inject into you? [Comparable to EMIS 2010 Q220]

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? [Comparable to EMIS 2010 Q221]

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? [New question]

1=1

2=2

[...]

9=9

10=10 or more

Q355-Q364. Which drugs have you injected or had injected into you in the last 12 months? (Tick all that apply) [New question]

Q355. Ecstasy (E, XTC, MDMA)

[No-Yes]

Q356. Amphetamine (speed)

[No-Yes]

Q357. Crystal methamphetamine (crystal, meth, Tina, Pervitin)

[No-Yes]

Q358. Heroin or related drugs (poppy straw, kompot, fentanyl)

[No-Yes]

Q359. Mephedrone (4-MMC, meow, methylone, bubbles)

[No-Yes]

Q360. Synthetic stimulants other than mephedrone (eg. MXE, bathsalts, 3-MMC, 4-MEC, 4\_FA, XTC-light)

[No-Yes]

Q361. Ketamine (special K)

[No-Yes]

Q362. Cocaine  
[No-Yes]

Q363. Crack cocaine  
[No-Yes]

Q364. I've injected drugs but I don't know which drugs  
[No-Yes]

[If Q352>1 or Q353>1]

Q365. When was the last time you injected with a used needle or syringe given, lent, rented or sold to you by someone else? [New question]  
[recency scale with never]

#### **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)? [New question]  
[recency scale with never]

[If Q174<6, ie. sex with a man in last 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? [New question]

- 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, ie. 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 and ketamine.) [New question]  
[recency scale with never]

[If Q368<8, ie. ever chemsex]

Q369. When was the last time you combined stimulant drugs and sex with more than one man at the same time? [New question]  
[recency scale with never]

[If Q369<6, ie. multi-partner chemsex in last 12 months]

Q370. Where did that most recent sex with stimulants and multiple partners take place? [New question]

- 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 Q370=8]

Q371. Please describe your other answer [New question]



[write in answer]

[If Q369<6, ie. in last 12 months]

Q372. For how many years have you been combining stimulant drugs and multiple sexual partners? [New question]

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<6 or Q336<6 or Q338<6 or Q339<6 or Q340<6 or Q341<6 or Q342<6 or Q343<6 or Q344<6 or Q345<6 or Q346<6 or Q347<6 or Q348<6 or Q349<6 or Q350<6 or Q351<6. ie. Any of the following drugs in last 12 months: poppers, sedatives, cannabis, synthetic cannabinoids, ecstasy pills, ecstasy powder, amphetamine, crystal methamphetamine, heroin, mephedrone, synthetic stimulants other than mephedrone, GHB/GBL, ketamine, LSD, cocaine, crack.]

Q373. Do you disagree or agree with the following statement: I worry about my recreational drug use. [Identical to EMIS 2010 Q223]

1=Strongly disagree

2=Disagree

3=Neither / not sure

4=Agree

5=Strongly agree

6=I don't take drugs

Q374. Have you **ever** consulted a health professional for your drug use concerns (apart from tobacco use)? [New question. Note: On-screen the option 'No, never' was presented first.]

1=No, never

2=Yes, within the last 24 hours

3=Yes, within the last 7 days

4=Yes, within the last 4 weeks

5=Yes, within the last 6 months

6=Yes, within the last 12 months

7=Yes, within the last 5 years

8=Yes, more than 5 years ago

Q375. Have you **ever** attended a self-help group, harm reduction programme or counsellor about your drug use (apart from tobacco use)? [New question. Note: On-screen the option 'No, never' was presented first.]

1=No, never

2=Yes, within the last 24 hours

3=Yes, within the last 7 days

4=Yes, within the last 4 weeks

5=Yes, within the last 6 months

6=Yes, within the last 12 months

7=Yes, within the last 5 years

8=Yes, more than 5 years ago

### CONCERN ABOUT ALCOHOL

[If Q332<6, ie. alcohol in last 12 months]

Q376-Q379. Thinking about drinking alcohol in the past 12 months...

Q376. Have you tried to cut down on your drinking? [New question]  
[No-Yes]

Q377. Have people annoyed you by criticising your drinking? [New question]  
[No-Yes]

Q378. Have you felt bad or guilty about your drinking? [New question]  
[No-Yes]

Q379. Have you taken a drink first thing in the morning to steady your nerves or get rid of a hangover? [New question]  
[No-Yes]

Q379\_CAGE4\_RECoded VARIABLE. CAGE-4 Indicator of alcohol dependency. [The four items above form the CAGE 4-item measure by Shields and Caruso (2004). Two or more 'Yes' responses indicate possible alcohol dependency. This recoded variable combines the 4 responses to give a binary indicator of alcohol dependency. Those who drank no alcohol in the last 12 months are coded as 'Not alcohol dependent'.]

0=Missing CAGE-4 measure

1=Not alcohol dependent

2=Alcohol dependent

Q380. Have you **ever** consulted a health professional for your alcohol use concerns? [New question]

1=No, never

2=Yes, within the last 24 hours

3=Yes, within the last 7 days

4=Yes, within the last 4 weeks

5=Yes, within the last 6 months

6=Yes, within the last 12 months

7=Yes, within the last 5 years

8=Yes, more than 5 years ago

[Q381. Note: The answer to Q381 was randomly generated to determine whether the respondent was served a social support scale or an internalised homonegativity scale:

1=How do you feel about your social support

2=How comfortable are you with homosexuality]

[If Q381=1]

#### **HOW YOU FEEL ABOUT YOUR SOCIAL SUPPORT**

Q382-Q389. Do you disagree or agree with the following 8 statements? (Tick one answer in each row) [New question; items were randomly rotated in on-screen presentation.]

Q382. There are people I can count on in an emergency  
[4 point Disagree-Agree response set]

Q383. There is no one who shares my interests and concerns  
[4 point Disagree-Agree response set]

Q384. There are people who enjoy the same social activities as I do  
[4 point Disagree-Agree response set]

Q385. There is no one I can depend on for aid if I really need it  
[4 point Disagree-Agree response set]

Q386. There is no one who likes to do the things I do  
[4 point Disagree-Agree response set]

Q387. There are people I can depend on to help me if I really need it  
[4 point Disagree-Agree response set]

Q388. I feel part of a group of people who share my attitudes and beliefs  
[4 point Disagree-Agree response set]

Q389. If something went wrong no one would help me  
[4 point Disagree-Agree response set]

[Note: Q382 to Q389 form two 4-item subscales of the Social Provisions Scale (Cutrona & Russell, 1987), used here as indicators of social support. Two new variables have been computed from these 8 items.]

Q389\_alliance. RECODED VARIABLE. This variable sums Q382, Q385 (reversed), Q387 and Q389 (reversed) into a Reliable Alliance subscale ranging from 4 to 16. A higher score indicates greater alliance.

Q389\_integration. RECODED VARIABLE. This variable sums Q383 (reversed), Q384, Q386 (reversed) and Q388 into a Social Integration subscale ranging from 4 to 16. A higher score indicates greater alliance.

[If Q381=2]

#### **HOW COMFORTABLE ARE YOU WITH HOMOSEXUALITY**

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) [Identical to EMIS 2010 Q268-Q274. Items were randomly rotated in on-screen presentation.]

Q390. I feel comfortable in gay bars.  
[7 point disagree-agree with does-not-apply]

Q391. Social situations with gay men make me feel uncomfortable.  
[7 point disagree-agree with does-not-apply]

Q392. I feel comfortable being seen in public with an obviously gay person.  
[7 point disagree-agree with does-not-apply]

Q393. I feel comfortable discussing homosexuality in a public situation.  
[7 point disagree-agree with does-not-apply]

Q394. I feel comfortable being a homosexual man.  
[7 point disagree-agree with does-not-apply]

Q395. Homosexuality is morally acceptable to me.  
[7 point disagree-agree with does-not-apply]

Q396. Even if I could change my sexual orientation, I wouldn't.  
[7 point disagree-agree with does-not-apply]

Q396\_IHS. RECODED VARIABLE: Internalised Homonegativity Scale. Taken together the eight items Q390-Q396 form a single scale measuring 'internalised homonegativity'. The score has been computed by: rescaling the items from 1-7 to 0-6; reversing the scores for items Q390, Q392, Q393, Q394, Q395 and Q396; and 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

internalised homonegativity score. For this variable only, missing answers are indicated by -1.]

#### ABOUT HOMOPHOBIC INTIMIDATION AND ASSAULT

Please say when something last happened, even if this was not typical for you.

Q397. When was the last time you were **stared at or intimidated** because someone knew or presumed you are attracted to men? [Identical to EMIS 2010 Q264]

[recency scale with never]

Q398. When was the last time you had **verbal insults** directed at you, because someone knew or presumed you are attracted to men? [Identical to EMIS 2010 Q265]

[recency scale with never]

Q399. When was the last time you were **punched, hit, kicked, or beaten** because someone knew or presumed you are attracted to men? [Identical to EMIS 2010 Q266]

[recency scale with never]

#### A FINAL FEW THINGS ABOUT YOU

Q400. How many years have you spent in full-time education since the age of 16? [Comparable to EMIS 2010 Q275]

1=None

2=1

3=2

[...]

10=9

11=10

12=More than 10

Q401. Which of the following best describes your current occupation? [Identical to EMIS 2010 Q276]

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? [New question]

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

Q403. Do you consider yourself a member of an ethnic or racial minority in <Q008>? [New question]

[No-Yes]

[If Q403=1]

Q404. What **majority** are you a member of? [New question]  
[write in answer]

[If Q403=2]

Q405. What **minority** are you a member of? [New question]  
[write in answer]

Q406. Do you work as a community health worker to gay/bisexual and other MSM (that is, provide sexual health services outside of a clinical setting)? [New question]

- 1=Yes, as a paid worker
- 2=Yes, as a volunteer
- 3=No

[If Q406=1 or 2]

Q407. Which of the following best describes the type of organisation you work for/with when working as a community health worker? [New question]

- 1=Private not-for-profit (non-governmental organisation, charity, civil society, grassroots organisation)
- 2=Private for-profit/commercial organisation
- 3=Government/local authority/public organisation
- 4=None – I do not work for an organisation

[If Q406=1 or 2]

Q408. What is the main purpose of the organisation you work for/with when working as a community health worker? [New question]

- 1=Sexual health
- 2=General health (e.g. hospital, clinic, community health, GP)
- 3=Religion
- 4=Education (school, college or university)
- 5=Housing/homelessness
- 6=Advocacy
- 7=Transport
- 8=Prison/probation
- 9=Other answer

**AND FINALLY...**

Q409. Who is the sexiest man on the planet? [Identical to EMIS 2010 Q278]  
[Write in answer]

**Thanks for taking part. Now Please press 'submit answers'.**

## 9. Dublin Declaration and Global AIDS Monitoring

European countries report (as do other countries) a variety indicators of progress on their HIV response to UNAIDS, mostly via ECDC. The following DERIVED VARIABLES will facilitate reporting of comparable indicators on MSM.

The variable names start DDM (Dublin Declaration Monitoring) or GAM (Global AIDS Monitoring) and are numbered according to the online forms used to submit data to ECDC (for example variable "ddm2\_50" is DDM 2.50) or UNAIDS. All DDM indicators also have a GAM number which is not reported here.

They are all binary indicators; respondents not eligible for this indicators are marked as missing (-1).

EMIS was not primarily designed to measure these indicators – the following are best approximations. In particular, the GAM indicator 3.12 (active syphilis) cannot be constructed from self-reported survey data. Given that syphilis testing among MSM is common with widespread availability of rapid tests, recently diagnosed syphilis gets as close to this indicator as possible with EMIS data.

ddm2\_50. Dublin Declaration Monitoring indicator 2.50, MSM sexualised drug use: prevalence [Derived from Q337, Q368]

1=Not

2=Using stimulant drugs for sex in the last 4 weeks

ddm3\_1a. Dublin Declaration Monitoring indicator 3.1a, MSM Condom promotion and distribution coverage [Derived from Q317, Q318, Q319, Q320]

1=Not

2=Got FREE condoms from NGOs, clinics, bars, or saunas

ddm3\_3a. Dublin Declaration Monitoring indicator 3.3a, STI testing and treatment services coverage [Derived from Q057, Q060, Q061, Q089, Q154, Q155, Q156, Q158, Q160]

-1=Long-standing HIV infection (i.e. diagnosed more than 12 months ago)

1=Not

2=Full STI screen last 12 m: HIV, blood test, anal swab + urethral swab (or vaginal, or urine)

ddm3\_5a. Dublin Declaration Monitoring indicator 3.5a, MSM Health promotion or behaviour change programme coverage [Derived from Q048]

1=Not

2=Saw or heard any information about HIV or STIs specifically for MSM in the last 12 m

ddm3\_10a. Dublin Declaration Monitoring indicator 3.10a, MSM coverage of HAV vaccination programmes [Derived from Q141]

-1=History of hepatitis A

1=Not

2=Report of full course of HAV vaccination

ddm3\_10b. Dublin Declaration Monitoring indicator 3.10b, MSM coverage of HBV vaccination programmes [Derived from Q143]

-1=History of hepatitis B

1=Not

2=Report of full course of HBV vaccination

ddm3\_27. Dublin Declaration Monitoring indicator 3.27, Condomless sex [Derived from Q182, Q191]

1=Not

2=Report of condomless anal sex with a non-steady partner of unknown HIV status, last 12 m

ddm3\_29. Dublin Declaration Monitoring indicator 3.29, MSM PrEP use [Derived from Q057, Q114]

-1=Diagnosed HIV

1=Not

2=Currently taking PrEP daily or on demand

Dublin Declaration Monitoring indicator 3.64–68, MSM access to PrEP [Can be generated as a multiple-answer set consisting of: Q124\_125\_126\_129, Q128 Q123 Q127 Q131 Q130 Q132]

[Note: This is not a variable in the database but the output of a set of multiple choice answers. To generate this indicator, output a 'multiple response' using the variables in rectangular brackets above. Collapsing any of Q124, Q125, Q126, Q129 into one variable called Q124\_125\_126\_129 will group those services that are part of a health service. ]

ddm4\_53. Dublin Declaration Monitoring indicator 4.53, MSM HIV testing in last 12m [Derived from Q057, Q060, Q061, Q089]

-1=Long-standing HIV-infection (i.e. diagnosed more than 12 months ago)

1=Not

2=Tested for HIV in the last 12 m

ddm4\_13a. Dublin Declaration Monitoring indicator 4.13a MSM testing modalities coverage: community-based HIV-testing [Derived from Q057, Q060, Q061, Q062, Q090]

-1=Long-standing HIV-infection (i.e. diagnosed more than 12 months ago)

1=Not

2=Used community-based HIV-testing, last test

ddm4\_13b. Dublin Declaration Monitoring indicator 4.13b MSM testing modalities coverage: self-sampling for HIV-testing [Derived from Q057, Q060, Q061, Q062, Q090]

-1=Long-standing HIV-infection (i.e. diagnosed more than 12 months ago)

1=Not

2=Used self-sampling for HIV-testing, last test

ddm4\_13c. Dublin Declaration Monitoring indicator 4.13c MSM testing modalities coverage: self-HIV-testing [Derived from Q057, Q060, Q061, Q062, Q090]

-1=Long-standing HIV-infection (i.e. diagnosed more than 12 months ago)

1=Not

2=Used self-HIV-testing, last test

ddm6\_278. Dublin Declaration Monitoring indicator 6.278 MSM HIV care cascade stage 3 (linked to care) [Derived from Q057, Q064]

-1=No HIV diagnosis

1=Not

2=Ever had HIV infection monitored (linked to care)

ddm6\_282. Dublin Declaration Monitoring indicator 6.282 MSM HIV care cascade stage 4 (retained in care) [Derived from Q057, Q064]

-1=No HIV diagnosis

1=Not

2=Had HIV infection monitored in the last 6 month (retained in care)

ddm6\_84. Dublin Declaration Monitoring indicator 6.84 MSM HIV care cascade stage 5 (Taking ART) [Derived from Q057, Q078]

-1=No HIV diagnosis

1=Not

2=Receiving ART

ddm6\_91. Dublin Declaration Monitoring indicator 6.91 MSM HIV care cascade stage 6 (undetectable) [Derived from Q057, Q064, Q078, Q088]

-1=No HIV diagnosis

1=Not

2=Reporting to be undetectable

gam3\_12. Global AIDS Monitoring indicator 3.12 Active syphilis [Derived from Q163]

1=Not

2=Diagnosed with syphilis, last 12m (cave: possible flaw in French translation)

gam3\_14. Global AIDS Monitoring indicator 3.14 Prevalence of hepatitis and coinfection with HIV among key populations (HBV+HCV) [Derived from Q057, Q143, Q145]

1=Not

2=Co-diagnosed with HIV and either HBV or HCV



## 10. Country Response Set

Q008 and Q012 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.

[Note: In EMIS 2010 “Turkish Republic of Northern Cyprus” appeared at code 184. This entry was deleted in the 2017 list. The 2017 codes for countries from Turkmenistan to the end of the list are therefore one digit less than in 2010.]

1=Afghanistan

**2=Albania**

3=Algeria

4=Andorra

5=Angola

6=Antigua and Barbuda

7=Argentina

8=Armenia

9=Australia

**10=Austria**

11=Azerbaijan

12=Bahamas

13=Bahrain

14=Bangladesh

15=Barbados

**16=Belarus**

**17=Belgium**

18=Belize

19=Benin

20=Bhutan

21=Bolivia

**22=Bosnia and Herzegovina**

23=Botswana

24=Brazil

25=Brunei

**26=Bulgaria**

27=Burkina Faso

28=Burundi

29=Cambodia

30=Cameroon

**31=Canada**

32=Cape Verde

33=Central African Republic

34=Chad

35=Chile

36=China

37=Colombia

38=Comoros

39=Congo - Kinshasa

40=Congo - Brazzaville

41=Costa Rica

**42=Croatia**  
43=Cuba  
**44=Cyprus**  
**45=Czech Republic**  
**46=Denmark**  
47=Djibouti  
48=Dominica  
49=Dominican Republic  
50=Ecuador  
51=Egypt  
52=El Salvador  
53=Equatorial Guinea  
54=Eritrea  
**55=Estonia**  
56=Ethiopia  
57=Fiji  
**58=Finland**  
**59=France**  
**60=France, Overseas Departments, Territories and Collectivities**  
61=Gabon  
62=Gambia  
63=Georgia  
**64=Germany**  
65=Ghana  
**66=Greece**  
67=Greenland  
68=Grenada  
69=Guatemala  
70=Guinea  
71=Guinea-Bissau  
72=Guyana  
73=Haiti  
74=Honduras  
**75=Hungary**  
76=Iceland  
77=India  
78=Indonesia  
79=Iran  
80=Iraq  
**81=Ireland (Republic)**  
**82=Israel**  
**83=Italy**  
84=Ivory Coast  
85=Jamaica  
86=Japan  
87=Jordan  
88=Kazakhstan  
89=Kenya  
90=Kiribati  
91=Korea, North  
92=Korea, South  
93=Kosovo (UNSCR 1244)  
94=Kuwait  
95=Kyrgyzstan  
96=Laos  
**97=Latvia**  
**98=Lebanon**

99=Lesotho  
100=Liberia  
101=Libya  
102=Liechtenstein  
**103=Lithuania**  
**104=Luxembourg**  
**105=Macedonia (Former Yugoslav Republic)**  
106=Madagascar  
107=Malawi  
108=Malaysia  
109=Maldives  
110=Mali  
**111=Malta**  
112=Marshall Islands  
113=Mauritania  
114=Mauritius  
115=Mexico  
116=Micronesia  
**117=Moldova**  
118=Monaco  
119=Mongolia  
**120=Montenegro**  
121=Morocco  
122=Mozambique  
123=Myanmar  
124=Namibia  
125=Nauru  
126=Nepal  
**127=Netherlands**  
128=New Zealand  
129=Nicaragua  
130=Niger  
131=Nigeria  
**132=Norway**  
133=Oman  
134=Pakistan  
135=Palau  
136=Palestine  
137=Panama  
138=Papua New Guinea  
139=Paraguay  
140=Peru  
**141=Philippines**  
**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  
169=Suriname  
170=Swaziland  
**171=Sweden**  
**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=Turkey**  
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 and 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

## 11. 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 Q8=2 [ALBANIA]

Q010a. Which county do you live in?

- 1=Berat
- 2=Dibër
- 3=Durrës
- 4=Elbasan
- 5=Fier
- 6=Gjirokastër
- 7=Korçë
- 8=Kukës
- 9=Lezhë
- 10=Shkodër
- 11=Tirana
- 12=Vlorë

If Q8=10 [AUSTRIA]

Q010b. What are the first two digits of your home post-code?

- 1=10XX
- 2=11XX
- 3=12XX
- 4=13XX
- 5=14XX
- 6=15XX
- 7=20XX
- 8=21XX
- 9=22XX
- 10=23XX
- 11=24XX
- 12=25XX
- 13=26XX
- 14=27XX
- 15=28XX
- 16=29XX
- 17=30XX
- 18=31XX
- 19=32XX
- 20=33XX
- 21=34XX
- 22=35XX
- 23=36XX
- 24=37XX
- 25=38XX
- 26=39XX
- 27=40XX
- 28=41XX
- 29=42XX

30=43XX  
31=44XX  
32=45XX  
33=46XX  
34=47XX  
35=48XX  
36=49XX  
37=50XX  
38=51XX  
39=52XX  
40=53XX  
41=54XX  
42=55XX  
43=56XX  
44=57XX  
45=60XX  
46=61XX  
47=62XX  
48=63XX  
49=64XX  
50=65XX  
51=66XX  
52=67XX  
53=68XX  
54=69XX  
55=70XX  
56=71XX  
57=72XX  
58=73XX  
59=74XX  
60=75XX  
61=80XX  
62=81XX  
63=82XX  
64=83XX  
65=84XX  
66=85XX  
67=86XX  
68=87XX  
69=88XX  
70=89XX  
71=90XX  
72=91XX  
73=92XX  
74=93XX  
75=94XX  
76=95XX  
77=96XX  
78=97XX  
79=98XX  
80=99XX

If Q8=16 [BELARUS]

Q010c. Which province do you live in?

1=Brest Voblast / Брэ́ская вóбласць

2=Gomel/Homiel Voblast / Го́мельская вóбласць

3=Grodno/Hrodna Voblast / Гродзенская вобласць

4=Mogilev/Mahilyow Voblast / Магілёўская вóбласць

5=Minsk Voblast / Мінская вóбласць

6=Minsk city / Мінск

7=Vitebsk Voblast / Віцебская вобласць

If Q8=17 [BELGIUM]

Q010d. What are the first two digits of your home post-code?

1=10XX

2=11XX

3=12XX

4=13XX

5=14XX

6=15XX

7=16XX

8=17XX

9=18XX

10=19XX

11=20XX

12=21XX

13=22XX

14=23XX

15=24XX

16=25XX

17=26XX

18=28XX

19=29XX

20=30XX

21=31XX

22=32XX

23=33XX

24=34XX

25=35XX

26=36XX

27=37XX

28=38XX

29=39XX

30=40XX

31=41XX

32=42XX

33=43XX

34=44XX

35=45XX

36=46XX

37=47XX

38=48XX

39=49XX

40=50XX

41=51XX

42=53XX

43=55XX

44=56XX

45=60XX

46=61XX

47=62XX

48=64XX

49=65XX

50=66XX

51=67XX

52=68XX

53=69XX

54=70XX

55=71XX  
56=73XX  
57=75XX  
58=76XX  
59=77XX  
60=78XX  
61=79XX  
62=80XX  
63=82XX  
64=83XX  
65=84XX  
66=85XX  
67=86XX  
68=87XX  
69=88XX  
70=89XX  
71=90XX  
72=91XX  
73=92XX  
74=93XX  
75=94XX  
76=95XX  
77=96XX  
78=97XX  
79=98XX  
80=99XX

If Q8=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 Q8=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 Q8=31 [CANADA]

Q010g. What are the first three characters of your home post-code?  
[write-in answer]

Q010g\_GAUL1 [CANADA] RECODED VARIABLE for Canadian provinces and territories. (GAUL = Global Administrative Unit Layers)

1=Alberta  
2=British Columbia  
3=Manitoba  
4=New Brunswick  
5=Newfoundland/Labrador  
6=Nova Scotia  
7=Ontario  
8=Prince Edward Island  
9=Quebec  
10=Saskatchewan  
11=NW Territories / Nunavut  
12=Yukon

If Q8=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 Q8=44 [CYPRUS]

Q010i. Which district do you live in?

1=Famagusta / Αμμόχωστος / Gazimağusa  
2=Kyrenia / Κερύνεια / Girne  
3=Larnaca / Λάρνακα / Larnaka/İskele  
4=Limassol / Λεμεσός / Limasol/Leymosun  
5=Nicosia / Λευκωσία / Lefkoşa  
6=Paphos / Πάφος / Baf/Gazibaf  
7=Akrotiri / Ακρωτήρι / Agrotur  
8=Dhekelia / Δεκέλεια / Dikelya

If Q8=45 [CZECH REPUBLIC]

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 Q8=46 [DENMARK]

Q010k. Which municipality do you live in?

- 1=Albertslund
- 2=Allerød
- 3=Assens
- 4=Ballerup
- 5=Billund
- 6=Bornholm
- 7=Brøndby
- 8=Brønderslev
- 9=Dragør
- 10=Egedal
- 11=Esbjerg
- 12=Fanø
- 13=Favrskov
- 14=Faxe
- 15=Fredensborg
- 16=Fredericia
- 17=Frederiksberg
- 18=Frederikshavn
- 19=Frederikssund
- 20=Furesø
- 21=Færøerne
- 22=Faaborg-Midtfyn
- 23=Gentofte
- 24=Gladsaxe
- 25=Glostrup
- 26=Greve
- 27=Gribskov
- 28=Guldborgsund
- 29=Haderslev
- 30=Halsnæs
- 31=Hedensted
- 32=Helsingør
- 33=Herlev
- 34=Herning
- 35=Hillerød
- 36=Hjørring
- 37=Holbæk
- 38=Holstebro
- 39=Horsens
- 40=Hvidovre

41=Høje-Taastrup  
42=Hørsholm  
43=Ikast-Brande  
44=Ishøj  
45=Jammerbugt  
46=Kalundborg  
47=Kerteminde  
48=Kolding  
49=København  
50=Køge  
51=Langeland  
52=Lejre  
53=Lemvig  
54=Lolland  
55=Lyngby-Taarbæk  
56=Læsø  
57=Mariagerfjord  
58=Middelfart  
59=Morsø  
60=Norddjurs  
61=Nordfyn  
62=Nyborg  
63=Næstved  
64=Odder  
65=Odense  
66=Odsherred  
67=Randers  
68=Rebild  
69=Ringkøbing-Skjern  
70=Ringsted  
71=Roskilde  
72=Rudersdal  
73=Rødovre  
74=Samsø  
75=Silkeborg  
76=Skanderborg  
77=Skive  
78=Slagelse  
79=Solrød  
80=Sorø  
81=Stevns  
82=Struer  
83=Svendborg  
84=Syddjurs  
85=Sønderborg  
86=Thisted  
87=Tønder  
88=Tårnby  
89=Vallensbæk  
90=Varde  
91=Vejen  
92=Vejle  
93=Vesthimmerland  
94=Viborg  
95=Vordingborg  
96=Årø  
97=Aabenraa  
98=Aalborg  
99=Århus

If Q8=55 [ESTONIA]

Q010l. Which county do you live in?

- 1=Harjumaa
- 2=Hiiumaa
- 3=Ida-Virumaa
- 4=Jõgevamaa
- 5=Järvamaa
- 6=Läänemaa
- 7=Lääne-Virumaa
- 8=Pölvamaa
- 9=Pärnumaa
- 10=Raplamaa
- 11=Saaremaa
- 12=Tartumaa
- 13=Valgamaa
- 14=Viljandimaa
- 15=Võrumaa

If Q8=58 [FINLAND]

Q010m. Which region do you live in?

- 1=Ahvenanmaa / Åland
- 2=Etelä-Karjala / Södra Karelen
- 3=Etelä-Savo / Södra Savolax
- 4=Etelä-Pohjanmaa / Södra Österbotten
- 5=Itä-Uusimaa / Östra Nyland
- 6=Kainuu / Kajanaland
- 7=Kanta-Häme / Egentliga Tavastland
- 8=Keski-Pohjanmaa / Mellersta Österbotten
- 9=Keski-Suomi / Mellersta Finland
- 10=Kymenlaakso / Kymmenedalen
- 11=Lappi / Lappland
- 12=Päijät-Häme / Päijänne Tavastland
- 13=Pirkanmaa / Birkaland
- 14=Pohjanmaa / Österbotten
- 15=Pohjois-Karjala / Norra Karelen
- 16=Pohjois-Pohjanmaa / Norra Österbotten
- 17=Pohjois-Savo / Norra Savolax
- 18=Satakunta / Satakunda
- 19=Uusimaa / Nyland
- 20=Varsinais-Suomi / Egentliga Finland

If Q8=59 [FRANCE]

Q010n. Which département do you live in?

- 1=01 Ain
- 2=02 Aisne
- 3=03 Allier
- 4=04 Alpes-de-Haute-Provence
- 5=05 Hautes-Alpes
- 6=06 Alpes-Maritimes
- 7=07 Ardèche
- 8=08 Ardennes
- 9=09 Ariège
- 10=10 Aube
- 11=11 Aude
- 12=12 Aveyron
- 13=13 Bouches-du-Rhône
- 14=14 Calvados
- 15=15 Cantal

16=16 Charente  
17=17 Charente-Maritime  
18=18 Cher  
19=19 Corrèze  
20=20 Corse  
21=21 Côte-d'Or  
22=22 Côtes-d'Armor  
23=23 Creuse  
24=24 Dordogne  
25=25 Doubs  
26=26 Drôme  
27=27 Eure  
28=28 Eure-et-Loir  
29=29 Finistère  
30=30 Gard  
31=31 Haute-Garonne  
32=32 Gers  
33=33 Gironde  
34=34 Hérault  
35=35 Ille-et-Vilaine  
36=36 Indre  
37=37 Indre-et-Loire  
38=38 Isère  
39=39 Jura  
40=40 Landes  
41=41 Loir-et-Cher  
42=42 Loire  
43=43 Haute-Loire  
44=44 Loire-Atlantique  
45=45 Loiret  
46=46 Lot  
47=47 Lot-et-Garonne  
48=48 Lozère  
49=49 Maine-et-Loire  
50=50 Manche  
51=51 Marne  
52=52 Haute-Marne  
53=53 Mayenne  
54=54 Meurthe-et-Moselle  
55=55 Meuse  
56=56 Morbihan  
57=57 Moselle  
58=58 Nièvre  
59=59 Nord  
60=60 Oise  
61=61 Orne  
62=62 Pas-de-Calais  
63=63 Puy-de-Dôme  
64=64 Pyrénées-Atlantiques  
65=65 Hautes-Pyrénées  
66=66 Pyrénées-Orientales  
67=67 Bas-Rhin  
68=68 Haut-Rhin  
69=69 Rhône  
70=70 Haute-Saône  
71=71 Saône-et-Loire  
72=72 Sarthe  
73=73 Savoie  
74=74 Haute-Savoie

75=75 Paris  
 76=76 Seine-Maritime  
 77=77 Seine-et-Marne  
 78=78 Yvelines  
 79=79 Deux-Sèvres  
 80=80 Somme  
 81=81 Tarn  
 82=82 Tarn-et-Garonne  
 83=83 Var  
 84=84 Vaucluse  
 85=85 Vendée  
 86=86 Vienne  
 87=87 Haute-Vienne  
 88=88 Vosges  
 89=89 Yonne  
 90=90 Territoire de Belfort  
 91=91 Essonne  
 92=92 Hauts-de-Seine  
 93=93 Seine-Saint-Denis  
 94=94 Val-de-Marne  
 95=95 Val-d'Oise  
 96=971 Guadeloupe  
 97=972 Martinique  
 98=973 Guyane  
 99=974 La Réunion

If Q8=60 [FRANCE, OVERSEAS DEPARTMENTS, TERRITORIES AND COLLECTIVITIES]

Q010o. Which département, territory or collectivity do you live in?

1=Guadeloupe  
 2=Guyane  
 3=Martinique  
 4=Mayotte  
 5=Nouvelle-Calédonie  
 6=Polynésie française  
 7=Réunion  
 8=Saint-Barthélemy  
 9=Saint-Martin  
 10=Saint-Pierre-et-Miquelon  
 11=Wallis-et-Futuna

If Q8=64 [GERMANY. Note: Unlike in EMIS 2010, the German response set for the postal code areas in 2017 included a description of the cities/area]

Q010p\_PCA. What are the first two digits of your home post-code? RECODED VARIABLE using the postal code areas of Germany (PCAs) as numbers.

Q010p\_NUTS1. RECODED VARIABLE into German Federal States (NUTS = Nomenclature of Territorial Units for Statistics)

1=Baden-Württemberg  
 2=Bayern  
 3=Berlin  
 4=Brandenburg  
 5=Bremen  
 6=Hamburg  
 7=Hessen  
 8=Mecklenburg-Vorpommern  
 9=Niedersachsen  
 10=Nordrhein-Westfalen  
 11=Rheinland-Pfalz

- 12=Saarland
- 13=Sachsen
- 14=Sachsen-Anhalt
- 15=Schleswig-Holstein
- 16=Thüringen

If Q8=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 Q8=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 Q8=81 [IRELAND (REPUBLIC)]

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 Q8=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 Q8=83 [ITALY]

Q010u. Which province do you live in?

1=Agrigento  
2=Alessandria  
3=Ancona  
4=Aosta  
5=Arezzo  
6=Ascoli Piceno  
7=Asti  
8=Avellino  
9=Bari  
10=Barletta-Andria-Trani  
11=Belluno  
12=Benevento  
13=Bergamo  
14=Biella  
15=Bologna  
16=Bolzano  
17=Brescia  
18=Brindisi  
19=Cagliari  
20=Caltanissetta  
21=Campobasso  
22=Carbonia-Iglesias  
23=Caserta  
24=Catania  
25=Catanzaro  
26=Chieti  
27=Como  
28=Cosenza  
29=Cremona  
30=Crotone  
31=Cuneo  
32=Enna  
33=Fermo  
34=Ferrara  
35=Firenze  
36=Foggia  
37=Forlì-Cesena



38=Frosinone  
39=Genova  
40=Gorizia  
41=Grosseto  
42=Imperia  
43=Isernia  
44=La Spezia  
45=L'Aquila  
46=Latina  
47=Lecce  
48=Lecco  
49=Livorno  
50=Lodi  
51=Lucca  
52=Macerata  
53=Mantova  
54=Massa-Carrara  
55=Matera  
56=Medio Campidano  
57=Messina  
58=Milano  
59=Modena  
60=Monza e della Brianza  
61=Napoli  
62=Novara  
63=Nuoro  
64=Ogliastra  
65=Olbia-Tempio  
66=Oristano  
67=Padova  
68=Palermo  
69=Parma  
70=Pavia  
71=Perugia  
72=Pesaro e Urbino  
73=Pescara  
74=Piacenza  
75=Pisa  
76=Pistoia  
77=Pordenone  
78=Potenza  
79=Prato  
80=Ragusa  
81=Ravenna  
82=Reggio Calabria  
83=Reggio Emilia  
84=Rieti  
85=Rimini  
86=Roma  
87=Rovigo  
88=Salerno  
89=Sassari  
90=Savona  
91=Siena  
92=Siracusa  
93=Sondrio  
94=Taranto  
95=Teramo  
96=Terni

97=Torino  
98=Trapani  
99=Trento  
100=Treviso  
101=Trieste  
102=Udine  
103=Varese  
104=Venezia  
105=Verbano-Cusio-Ossola  
106=Vercelli  
107=Verona  
108=Vibo Valentia  
109=Vicenza  
110=Viterbo

If Q8=97 [LATVIA]

Q010v. Which region do you live in?

1=Riga  
2=Kurzeme  
3=Zemgale  
4=Latgale  
5=Vidzeme

If Q8=98 [LEBANON]

Q010w. Which governorate do you live in?

1=Akkar / رائكع  
2=Baalbek-Hermel / لمرهلا - لئبلع  
3=Beirut / توريب  
4=Beqaa / عاقبالا  
5=Mount Lebanon / نانبل لبج  
6=Nabatieh / نبيطنلا  
7=North / لامشلا  
8=South / بونجلا

If Q8=103 [LITHUANIA]

Q010x. Which county do you live in?

1=Alytus  
2=Kaunas  
3=Klaipėda  
4=Marijampolė  
5=Panevėžys  
6=Šiauliai  
7=Tauragė  
8=Telšiai  
9=Utena  
10=Vilnius

If Q8=104 [LUXEMBOURG]

Q010y. Which district do you live in?

1=Diekirch  
2=Grevenmacher  
3=Luxembourg

If Q8=105 [MACEDONIA (FORMER YUGOSLAV REPUBLIC OF)]

Q010z. Which region do you live in?

1=Источен регион (Eastern)  
2=Североисточен регион (Northeastern)  
3=Пелагониски регион (Pelagonia)  
4=Полошки регион (Polog)

- 5=Скопски регион (Skopje)
- 6=Југоисточен регион (Southeastern)
- 7=Југозападен регион (Southwestern)
- 8=Вардарски регион (Vardar)

If Q8=111 [MALTA. Note: the EMIS 2010 response set used 3 regions]

Q010aa. Which region do you live in?

- 1=Southern harbour
- 2=Northern harbour
- 3=South Eastern
- 4=Western
- 5=Northern
- 6=Gozo

If Q8=117 [MOLDOVA]

Q010bb. Which district, municipality or region do you live in?

- 1=Anenii Noi
- 2=Bălți
- 3=Basarabeasca
- 4=Bender/Tighina
- 5=Briceni
- 6=Cahul
- 7=Cantemir
- 8=Călărași
- 9=Căușeni
- 10=Chișinău
- 11=Cimișlia
- 12=Comrat
- 13=Criuleni
- 14=Dondușeni
- 15=Drochia
- 16=Dubăsari
- 17=Edineț
- 18=Fălești
- 19=Florești
- 20=Gagauzia
- 21=Glodeni
- 22=Hîncești
- 23=Ialoveni
- 24=Leova
- 25=Nisporeni
- 26=Ocnița
- 27=Orhei
- 28=Rezina
- 29=Rîșcani
- 30=Șingerei
- 31=Soroca
- 32=Strășeni
- 33=Șoldănești
- 34=Ștefan Vodă
- 35=Taraclia
- 36=Telenesti
- 37=Tiraspol
- 38=Transnistria
- 39=Ungheni

If Q8= [MONTENEGRO]

Q010cc. Which region do you live in?

- 1=Централни регион/Centralni region

2=Приморски регион/Primorski region

3=Сјеверни регион/Sjeverni region

If Q8=127 [NETHERLANDS. Note: The EMIS 2010 response set combined the final three areas below (St Maarten; Curaçao; BES Islands (Bonaire, Sint Eustatius, Saba)) in a single area called 'Netherlands Antilles']

Q010dd. What are the first two digits of your home post-code?

1=10XX

2=11XX

3=12XX

4=13XX

5=14XX

6=15XX

7=16XX

8=17XX

9=18XX

10=19XX

11=20XX

12=21XX

13=22XX

14=23XX

15=24XX

16=25XX

17=26XX

18=27XX

19=28XX

20=29XX

21=30XX

22=31XX

23=32XX

24=33XX

25=34XX

26=35XX

27=36XX

28=37XX

29=38XX

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31=40XX

32=41XX

33=42XX

34=43XX

35=44XX

36=45XX

37=46XX

38=47XX

39=48XX

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41=50XX

42=51XX

43=52XX

44=53XX

45=54XX

46=55XX

47=56XX

48=57XX

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51=60XX

52=61XX

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81=90XX  
82=91XX  
83=92XX  
84=93XX  
85=94XX  
86=95XX  
87=96XX  
88=97XX  
89=98XX  
90=99XX  
91=Aruba  
92=St Maarten  
93=Curaçao  
94=BES Islands (Bonaire, Sint Eustatius, Saba)

If Q8=132 [NORWAY]

Q010ee. Which county do you live in?

1=Akershus  
2=Aust-Agder  
3=Buskerud  
4=Finnmark  
5=Hedmark  
6=Hordaland  
7=Møre og Romsdal  
8=Nord-Trøndelag  
9=Nordland  
10=Oppland  
11=Oslo  
12=Rogaland  
13=Sogn og Fjordane  
14=Sør-Trøndelag

15=Svalbard  
16=Telemark  
17=Troms  
18=Vest-Agder  
19=Vestfold  
20=Østfold

If Q8=141 [PHILIPPINES]

Q010ff. Which region do you live in?

1=National Capital Region (NCR)  
2=Ilocos Region  
3=Cordillera Administrative Region (CAR)  
4=Cagayan Valley  
5=Central Luzon  
6=Southern Tagalog (CALABARZON)  
7=Southwestern Tagalog (MIMAROPA)  
8=Bicol Region  
9=Western Visayas  
10=Central Visayas  
11=Eastern Visayas  
12=Zamboanga Peninsula  
13=Northern Mindanao  
14=Davao Region  
15=SOCCSKSARGEN  
16=Caraga Region  
17=Autonomous Region in Muslim Mindanao (ARMM)

If Q8=142 [POLAND]

Q010gg. Which province do you live in?

1=Dolnośląskie  
2=Kujawsko-Pomorskie  
3=Lubelskie  
4=Lubuskie  
5=Łódzkie  
6=Małopolskie  
7=Mazowieckie  
8=Opolskie  
9=Podkarpackie  
10=Podlaskie  
11=Pomorskie  
12=Śląskie  
13=Świętokrzyskie  
14=Warmińsko-mazurskie  
15=Wielkopolskie  
16=Zachodniopomorskie

If Q8=143 [PORTUGAL]

Q010hh. Which region or district do you live in?

1=Aveiro  
2=Açores RA  
3=Beja  
4=Braga  
5=Bragança  
6=Castelo Branco  
7=Coimbra  
8=Évora  
9=Faro  
10=Guarda  
11=Leiria

12=Lisboa  
13=Madeira RA  
14=Portalegre  
15=Porto  
16=Santarém  
17=Setúbal  
18=Viana do Castelo  
19=Vila Real  
20=Viseu

If Q8=146 [ROMANIA]

Q010ii. Which county do you live in?

1=Alba  
2=Arad  
3=Argeş  
4=Bacău  
5=Bihor  
6=Bistriţa-Năsăud  
7=Botoşani  
8=Braşov  
9=Brăila  
10=Bucharest  
11=Buzău  
12=Caraş-Severin  
13=Călăraşi  
14=Cluj  
15=Constanţa  
16=Covasna  
17=Dâmboviţa  
18=Dolj  
19=Galaţi  
20=Giurgiu  
21=Gorj  
22=Harghita  
23=Hunedoara  
24=Ialomiţa  
25=Iaşi  
26=Ilfov  
27=Maramureş  
28=Mehedinţi  
29=Mureş  
30=Târgu Mureş  
31=Neamţ  
32=Olt  
33=Prahova  
34=Satu Mare  
35=Sălaj  
36=Sibiu  
37=Suceava  
38=Teleorman  
39=Timiş  
40=Tulcea  
41=Vaslui  
42=Vâlcea  
43=Vrancea

If Q8=147 [RUSSIA (RUSSIAN FEDERATION)]. Note: the EMIS 2017 response set added two areas not in the EMIS 2010 response set, at codes 53 (Республика Крым) and 68 (Севастополь). Therefore data in 2010 survey needs modifying before merging with 2017

data: codes 1 to 52 remain the same; codes 53 to 66 need 1 adding; codes 67 to 83 need 2 adding]

Q010jj. Which area do you live in?

- 1=Алтайский край
- 2=Амурская область
- 3=Архангельская область
- 4=Астраханская область
- 5=Белгородская область
- 6=Брянская область
- 7=Владимирская область
- 8=Волгоградская область
- 9=Вологодская область
- 10=Воронежская область
- 11=Еврейская автономная область
- 12=Забайкальский край
- 13=Ивановская область
- 14=Иркутская область
- 15=Кабардино-Балкарская Республика
- 16=Калининградская область
- 17=Калужская область
- 18=Камчатский край
- 19=Карачаево-Черкесская Республика (Республика Карачаево-Черкессия)
- 20=Кемеровская область
- 21=Кировская область
- 22=Костромская область
- 23=Краснодарский край
- 24=Красноярский край
- 25=Курганская область
- 26=Курская область
- 27=Ленинградская область
- 28=Липецкая область
- 29=Магаданская область
- 30=Москва
- 31=Московская область
- 32=Мурманская область
- 33=Ненецкий автономный округ
- 34=Нижегородская область
- 35=Новгородская область
- 36=Новосибирская область
- 37=Омская область
- 38=Оренбургская область
- 39=Орловская область
- 40=Пензенская область
- 41=Пермский край
- 42=Приморский край
- 43=Псковская область
- 44=Республика Адыгея (Адыгея)
- 45=Республика Алтай
- 46=Республика Башкортостан
- 47=Республика Бурятия
- 48=Республика Дагестан
- 49=Республика Ингушетия
- 50=Республика Калмыкия
- 51=Республика Карелия
- 52=Республика Коми
- 53= Республика Крым
- 54=Республика Марий Эл
- 55=Республика Мордовия
- 56=Республика Саха (Якутия)



57=Республика Северная Осетия - Алания  
 58=Республика Татарстан (Татарстан)  
 59=Республика Тыва  
 60=Республика Хакасия  
 61=Ростовская область  
 62=Рязанская область  
 63=Самарская область  
 64=Санкт-Петербург  
 65=Саратовская область  
 66=Сахалинская область  
 67=Свердловская область  
 68=Севастополь  
 69=Смоленская область  
 70=Ставропольский край  
 71=Тамбовская область  
 72=Тверская область  
 73=Томская область  
 74=Тульская область  
 75=Тюменская область  
 76=Удмуртская Республика  
 77=Ульяновская область  
 78=Хабаровский край  
 79=Ханты-Мансийский автономный округ - Югра  
 80=Челябинская область  
 81=Чеченская Республика  
 82=Чувашская Республика - Чувашия  
 83=Чукотский автономный округ  
 84=Ямало-Ненецкий автономный округ  
 85=Ярославская область

If Q8=157 [SERBIA. Note: the EMIS 2010 response set used 4 areas]

Q010kk. Which area do you live in?

1=Region Vojvodina / Регион Војводина  
 2=Region Kosovo i Metohija / Регион Косово и Метохија  
 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

If Q8=161 [SLOVAKIA]

Q010ll. Which county do you live in?

1=Bratislavský kraj  
 2=Trnavský kraj  
 3=Trenčiansky kraj  
 4=Nitriansky kraj  
 5=Žilinský kraj  
 6=Banskobystrický kraj  
 7=Prešovský kraj  
 8=Košícky kraj

If Q8=162 [SLOVENIA]

Q010mm. Which region do you live in?

1=Gorenjska  
 2=Goriška  
 3=Jugovzhodna Slovenija  
 4=Koroška  
 5=Notranjsko-kraška  
 6=Obalno-kraška  
 7=Osrednjeslovenska  
 8=Podravska

9=Pomurska  
10=Savinjska  
11=SpodnjePosavska  
12=Zasavska

If Q8=166 [SPAIN]

Q010nn. Which region do you live in?

1=Andalucía  
2=Aragón  
3=Baleares  
4=Canarias  
5=Cantabria  
6=Castilla-La Mancha  
7=Castilla y León  
8=Cataluña  
9=Ceuta  
10=Comunidad de Madrid  
11=Comunidad Valenciana  
12=Extremadura  
13=Galicia  
14=La Rioja  
15=Melilla  
16=Navarra  
17=País Vasco  
18=Principado de Asturias  
19=Región de Murcia

If Q8=171 [SWEDEN]

Q010oo. Which county do you live in?

1=Blekinge  
2=Dalarnas  
3=Gotlands  
4=Gävleborgs  
5=Hallands  
6=Jämtlands  
7=Jönköpings  
8=Kalmar  
9=Kronobergs  
10=Norrbottnens  
11=Skåne  
12=Stockholms  
13=Södermanlands  
14=Uppsala  
15=Värmlands  
16=Västerbottens  
17=Västernorrlands  
18=Västmanlands  
19=Västra Götalands  
20=Örebro  
21=Östergötlands

If Q8=172 [SWITZERLAND]

Q010pp. What are the first two digits of your home post-code?

Q010pp\_PCA. RECODED VARIABLE using the actual postal code areas (PCAs) of Switzerland as numbers

Q010pp\_NUTS2. RECODED VARIABLE into Swiss NUTS2 regions (NUTS = Nomenclature of Territorial Units for Statistics)

1=Région lémanique: GE, VD, VS  
 2=Espace Mittelland: BE, FR, JU, NE, SO  
 3=Suisse du Nord-Ouest: AG, BS, BL  
 4=Zürich: ZH  
 5=Suisse orientale: SG, AR, AI, GL, GR, SH, TG  
 6=Suisse centrale: LU, NW, OW, SZ, UR, ZG  
 7=Ticino: TI

Q010pp\_NUTS3. RECODED VARIABLE into Swiss NUTS3 regions, i.e. Cantons (NUTS = Nomenclature of Territorial Units for Statistics)

1=Zürich (+ Schaffhausen, parts of Uri, Glarus, Thurgau)  
 2=Bern  
 3=Luzern (+ Obwalden, Nidwalden, Zug, parts of Uri, Schwyz)  
 10=Fribourg  
 11=Solothurn  
 12=Basel Stadt  
 13=Basel Land  
 17=StGallen (+ Appenzell Ausserrhoden, Appenzell Innerhoden, parts of Schwyz, Glarus, Thurgau)  
 18=Graubünden  
 19=Argau  
 21=Ticino  
 22=Vaud  
 23=Vallais  
 24=Neuchâtel  
 25=Genève  
 26=Jura

If Q8=183 [TURKEY]

Q010qq. Which region do you live in?

1=Marmara Bölgesi  
 2=Ege Bölgesi  
 3=Karadeniz Bölgesi  
 4=Akdeniz Bölgesi  
 5=İç Anadolu Bölgesi  
 6=Doğu Anadolu Bölgesi  
 7=Güneydoğu Anadolu Bölgesi

If Q8=188 [UKRAINE. Note: the EMIS 2010 response set combined oblasts into 6 groups]

Q010rr. Which oblast do you live in?

1=м. Севастополь / Sevastopol city  
 2=м. Київ / Kyiv city  
 3=Автономна Республіка Крим / Autonomous Republic of Crimea  
 4=Вінницька область / Vinnytsia Oblast  
 5=Волинська область / Volyn Oblast  
 6=Дніпропетровська область / Dnipropetrovsk Oblast  
 7=Донецька область / Donetsk Oblast  
 8=Житомирська область / Zhytomyr Oblast  
 9=Закарпатська область / Zakarpattia Oblast  
 10=Запорізька область / Zaporizhzhia Oblast  
 11=Івано-Франківська область / Ivano-Frankivsk Oblast  
 12=Київська область / Kyiv Oblast  
 13=Кіровоградська область / Kirovohrad Oblast  
 14=Луганська область / Luhansk Oblast  
 15=Львівська область / Lviv Oblast  
 16=Миколаївська область / Mykolaiv Oblast  
 17=Одеська область / Odesa Oblast  
 18=Полтавська область / Poltava Oblast  
 19=Рівненська область / Rivne Oblast

20=Сумська область / Sumy Oblast  
21=Тернопільська область / Ternopil Oblast  
22=Харківська область / Kharkiv Oblast  
23=Херсонська область / Kherson Oblast  
24=Хмельницька область / Khmelnytskyi Oblast  
25=Черкаська область / Cherkasy Oblast  
26=Чернівецька область / Chernivtsi Oblast  
27=Чернігівська область / Chernihiv Oblast

If Q8=190 [UK, ENGLAND]

Q010ss. Which council/local authority area do you live in?

1=Adur  
2=Alderdale  
3=Amber Valley  
4=Arun  
5=Ashfield  
6=Ashford  
7=Aylesbury Vale  
8=Babergh  
9=Barking and Dagenham  
10=Barnet  
11=Barnsley  
12=Barrow-in-Furness  
13=Basildon  
14=Basingstoke and Deane  
15=Bassetlaw  
16=Bath and North East Somerset  
17=Bedford  
18=Bexley  
19=Birmingham  
20=Blaby  
21=Blackburn with Darwen  
22=Blackpool  
23=Bolsover  
24=Bolton  
25=Boston  
26=Bournemouth  
27=Bracknell Forest  
28=Bradford  
29=Braintree  
30=Breckland  
31=Brent  
32=Brentwood  
33=Brighton and Hove  
34=Bristol, City of  
35=Broadland  
36=Bromley  
37=Bromsgrove  
38=Broxbourne  
39=Broxtowe  
40=Buckinghamshire  
41=Burnley  
42=Bury  
43=Calderdale  
44=Cambridge  
45=Cambridgeshire  
46=Camden  
47=Cannock Chase  
48=Canterbury

49=Carlisle  
50=Castle Point  
51=Central Bedfordshire  
52=Charnwood  
53=Chelmsford  
54=Cheltenham  
55=Cherwell  
56=Cheshire East  
57=Cheshire West and Chester  
58=Chesterfield  
59=Chichester  
60=Chiltern  
61=Chorley  
62=Christchurch  
63=City of London  
64=Colchester  
65=Copeland  
66=Corby  
67=Cornwall  
68=Cotswold  
69=County Durham  
70=Coventry  
71=Craven  
72=Crawley  
73=Croydon  
74=Cumbria  
75=Dacorum  
76=Darlington  
77=Dartford  
78=Daventry  
79=Derby  
80=Derbyshire  
81=Derbyshire Dales  
82=Devon  
83=Doncaster  
84=Dorset  
85=Dover  
86=Dudley  
87=Ealing  
88=East Cambridgeshire  
89=East Devon  
90=East Dorset  
91=East Hampshire  
92=East Hertfordshire  
93=East Lindsey  
94=East Northamptonshire  
95=East Riding of Yorkshire  
96=East Staffordshire  
97=East Sussex  
98=Eastbourne  
99=Eastleigh  
100=Eden  
101=Elmbridge  
102=Enfield  
103=Epping Forest  
104=Epsom and Ewell  
105=Erewash  
106=Essex  
107=Exeter

108=Fareham  
109=Fenland  
110=Forest Heath  
111=Forest of Dean  
112=Fylde  
113=Gateshead  
114=Gedling  
115=Gloucester  
116=Gloucestershire  
117=Gosport  
118=Gravesham  
119=Great Yarmouth  
120=Greenwich  
121=Guildford  
122=Hackney  
123=Halton  
124=Hambleton  
125=Hammersmith and Fulham  
126=Hampshire  
127=Harborough  
128=Haringey  
129=Harlow  
130=Harrogate  
131=Harrow  
132=Hart  
133=Hartlepool  
134=Hastings  
135=Havant  
136=Havering  
137=Herefordshire, County of  
138=Hertfordshire  
139=Hertsmere  
140=High Peak  
141=Hillingdon  
142=Hinckley and Bosworth  
143=Horsham  
144=Hounslow  
145=Huntingdonshire  
146=Hyndburn  
147=Ipswich  
148=Isle of Wight  
149=Isles of Scilly  
150=Islington  
151=Kensington and Chelsea  
152=Kent  
153=Kettering  
154=King's Lynn and West Norfolk  
155=Kingston upon Hull, City of  
156=Kingston upon Thames  
157=Kirklees  
158=Knowsley  
159=Lambeth  
160=Lancashire  
161=Lancaster  
162=Leeds  
163=Leicester  
164=Leicestershire  
165=Lewes  
166=Lewisham

167=Lichfield  
168=Lincoln  
169=Lincolnshire  
170=Liverpool  
171=Luton  
172=Maidstone  
173=Maldon  
174=Malvern Hills  
175=Manchester  
176=Mansfield  
177=Medway  
178=Melton  
179=Mendip  
180=Merton  
181=Mid Devon  
182=Mid Suffolk  
183=Mid Sussex  
184=Middlesbrough  
185=Milton Keynes  
186=Mole Valley  
187=New Forest  
188=Newark and Sherwood  
189=Newcastle upon Tyne  
190=Newcastle-under-Lyme  
191=Newham  
192=Norfolk  
193=Northamptonshire  
194=North Devon  
195=North Dorset  
196=North East Derbyshire  
197=North East Lincolnshire  
198=North Hertfordshire  
199=North Kesteven  
200=North Lincolnshire  
201=North Norfolk  
202=North Somerset  
203=North Tyneside  
204=North Warwickshire  
205=North West Leicestershire  
206=North Yorkshire  
207=Northampton  
208=Northumberland  
209=Norwich  
210=Nottingham  
211=Nottinghamshire  
212=Nuneaton and Bedworth  
213=Oadby and Wigston  
214=Oldham  
215=Oxford  
216=Oxfordshire  
217=Pendle  
218=Peterborough  
219=Plymouth  
220=Poole  
221=Portsmouth  
222=Preston  
223=Purbeck  
224=Reading  
225=Redbridge

226=Redcar and Cleveland  
227=Redditch  
228=Reigate and Banstead  
229=Ribble Valley  
230=Richmond upon Thames  
231=Richmondshire  
232=Rochdale  
233=Rochford  
234=Rossendale  
235=Rother  
236=Rotherham  
237=Rugby  
238=Runnymede  
239=Rushcliffe  
240=Rushmoor  
241=Rutland  
242=Ryedale  
243=Salford  
244=Sandwell  
245=Scarborough  
246=Sedgemoor  
247=Sefton  
248=Selby  
249=Sevenoaks  
250=Sheffield  
251=Shepway  
252=Shropshire  
253=Slough  
254=Solihull  
255=Somerset  
256=South Bucks  
257=South Cambridgeshire  
258=South Derbyshire  
259=South Gloucestershire  
260=South Hams  
261=South Holland  
262=South Kesteven  
263=South Lakeland  
264=South Norfolk  
265=South Northamptonshire  
266=South Oxfordshire  
267=South Ribble  
268=South Somerset  
269=South Staffordshire  
270=South Tyneside  
271=Southampton  
272=Southend-on-Sea  
273=Southwark  
274=Spelthorne  
275=St Albans  
276=St Edmundsbury  
277=St. Helens  
278=Stafford  
279=Staffordshire  
280=Staffordshire Moorlands  
281=Stevenage  
282=Stockport  
283=Stockton-on-Tees  
284=Stoke-on-Trent



285=Stratford-on-Avon  
286=Stroud  
287=Suffolk  
288=Suffolk Coastal  
289=Sunderland  
290=Surrey  
291=Surrey Heath  
292=Sutton  
293=Swale  
294=Swindon  
295=Tameside  
296=Tamworth  
297=Tandridge  
298=Taunton Deane  
299=Teignbridge  
300=Telford and Wrekin  
301=Tendring  
302=Test Valley  
303=Tewkesbury  
304=Thanet  
305=Three Rivers  
306=Thurrock  
307=Tonbridge and Malling  
308=Torbay  
309=Torridge  
310=Tower Hamlets  
311=Trafford  
312=Tunbridge Wells  
313=Uttlesford  
314=Vale of White Horse  
315=Wakefield  
316=Walsall  
317=Waltham Forest  
318=Wandsworth  
319=Warrington  
320=Warwick  
321=Warwickshire  
322=Watford  
323=Waveney  
324=Waverley  
325=Wealden  
326=Wellingborough  
327=Welwyn Hatfield  
328=West Berkshire  
329=West Devon  
330=West Dorset  
331=West Lancashire  
332=West Lindsey  
333=West Oxfordshire  
334=West Somerset  
335=West Sussex  
336=Westminster  
337=Weymouth and Portland  
338=Wigan  
339=Wiltshire  
340=Winchester  
341=Windsor and Maidenhead  
342=Wirral  
343=Woking

344=Wokingham  
345=Wolverhampton  
346=Worcester  
347=Worcestershire  
348=Worthing  
349=Wychavon  
350=Wycombe  
351=Wyre  
352=Wyre Forest  
353=York

If Q8=191 [UK, NORTHERN IRELAND. Note: The EMIS 2010 response set consisted of 26 areas]

Q010tt. Which district council / local authority area do you live in?

1=Antrim and Newtownabbey  
2=Ards and North Down  
3=Armagh, Banbridge and Craigavon  
4=Belfast  
5=Causeway Coast and Glens  
6=Derry and Strabane  
7=Fermanagh and Omagh  
8=Lisburn and Castlereagh  
9=Mid and East Antrim  
10=Mid-Ulster  
11=Newry, Mourne and Down

If Q8=192 [UK, SCOTLAND]

Q010uu. Which council / local authority area do you live in?

1=Aberdeen City  
2=Aberdeenshire  
3=Angus  
4=Argyll & Bute  
5=Clackmannanshire  
6=Dumfries & Galloway  
7=Dundee City  
8=East Ayrshire  
9=East Dunbartonshire  
10=East Lothian  
11=East Renfrewshire  
12=Edinburgh, City of  
13=Eilean Siar (Western Isles)  
14=Falkirk  
15=Fife  
16=Glasgow City  
17=Highland  
18=Inverclyde  
19=Midlothian  
20=Moray  
21=North Ayrshire  
22=North Lanarkshire  
23=Orkney Islands  
24=Perth & Kinross  
25=Renfrewshire  
26=Scottish Borders  
27=Shetland Islands  
28=South Ayrshire  
29=South Lanarkshire  
30=Stirling  
31=West Dunbartonshire

32=West Lothian

If Q8=193 [UK, WALES]

Q010vv. Which council / local authority area do you live in?

1=Blaenau Gwent

2=Bridgend

3=Caerphilly

4=Cardiff

5=Carmarthenshire

6=Ceredigion

7=Conwy

8=Denbighshire

9=Flintshire

10=Gwynedd

11=Isle of Anglesey

12=Merthyr Tydfil

13=Monmouthshire

14=Neath Port Talbot

15=Newport

16=Pembrokeshire

17=Powys

18=Rhondda, Cynon, Taff

19=Swansea

20=The Vale of Glamorgan

21=Torfaen

22=Wrexham

IF Q8=194 [UK, BRITISH OVERSEAS TERRITORIES AND CROWN DEPENDENCIES]

Q010ww. Which Territory or Crown Dependency do you live in?

1=Anguilla

2=Bermuda

3=British Indian Ocean Territory

4=British Virgin Islands

5=Cayman Islands

6=Falkland Islands

7=Gibraltar

8=Guernsey and Sark

9=Isle of Man

10=Jersey

11=Montserrat

12=Pitcairn Island

13=Saint Helena and Dependencies

14=South Georgia and South Sandwich Islands

15=Sovereign Base Areas on Cyprus

16=Turks and Caicos Islands

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### EMIS NETWORK

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**HR:** Iskorak, gay.hr, Dr Zoran Dominković, Vjeko Vacek.  
**HU:** Háttér, Tamás Bereczky.  
**IE:** Gay Health Network, Man2Man, HIV Ireland, Outhouse, GOSHH, Sexual Health Centre Cork, AIDSWEST, Gay Community News, Health Service Executive, Gay Men's Health Service, Sexual Health and Crisis Pregnancy Programme, Health Protection Surveillance Committee.  
**IL:** Israel AIDS Task Force, Israel Ministry of Health, Dr Zohar Mor.  
**IS:** Samtökin '78.  
**IT:** Acigay, Fondazione LILA Milano ONLUS, University of Verona, Dr Raffaele Lelleri.  
**LB:** SIDC, Dr Ismaël Maatouk.  
**LT:** demetra, LGL, Gayline.  
**LV:** Testpunkts, Baltic HIV Association, Dr Antons Mozalevskis, Indra Linina.  
**MD:** GENDERDOC-M.  
**ME:** Juventas.  
**MK:** Subversive Front, Dr Kristefer Stojanovski.  
**MT:** Malta LGBTIQ Rights Movement, Allied Rainbow Communities, Infectious Disease Prevention and Control Unit (Malta), Silvan Agius, Russel Sammut.  
**NL:** Results in Health, Maastricht University, Amsterdam Pink Panel, Soa Aids Nederland, Rutgers, Dr Wim Vanden Berghe.  
**NO:** Helseutvalget, Folkehelseinstituttet, Dr Rigmor C. Berg.  
**PH:** Bisdak Pride-Cebu, Cebu Plus, HASH, Pinoy Plus, UP Babaylanes, YPEER, TLF, Natasha Montevirgen, Mikael N. Navarro.  
**PL:** Społeczny Komitet ds AIDS, Kampania Przeciw Homofobii, Lambda Warszawa, Dr Łukasz Henszel. **PT:** GAT Portugal, CheckpointLX, Associação ABRAÇO, rede ex aequo, SexED, dezanove, ILGA Portugal, Trombeta Bath, ISPUP.  
**RO:** PSI Romania, ARAS Romania, Tudor Kovacs.  
**RS:** Association Duga, Association Red Line, Omladina JAZAS-a Novi Sad, Institute of Public Health of Serbia, Sladjana Baros, Dr Marija Pantelic.  
**RU:** LaSky.  
**SE:** RFSL, University of Gothenburg, Folkhälsomyndigheten.  
**SI:** ŠKUC, Legebitra, LJUDMILA.  
**SK:** PRIDE Košice, Light-House Slovakia, Trnavská univerzita, Slovenská zdravotnícka univerzita, Dr Zuzana Klocháňová.  
**TR:** Pozitif Yaşam, Sami Sarper Yazıcılaroğlu.  
**UA:** Alliance for Public Health, alliance.global, msmua.org, Oleksii Shestakovskiy.  
**UK:** Terrence Higgins Trust, NAM, PrEPster, Antidote, Horizon Drugs and Alcohol Support, LGBT Foundation, Yorkshire MESMAC, MESMAC Newcastle, Derbyshire LGBT+, Trade Sexual Health, London Friend, GMFA, Spectra, International HIV Partnerships, International Planned Parenthood Federation, Bristol University, University College London, Sigma Research, Raul Soriano.  
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- Lead organisation: Robert Koch Institute (Berlin)
- AIDS Action Europe (Berlin)
- Centre d'Estudis Epidemiològics sobre les ITS i la Sida de Catalunya (Barcelona)
- Deutsche AIDS-Hilfe (Berlin)
- European AIDS Treatment Group (Brussels)
- ResultsinHealth (Leiderdorp)
- Sigma Research, London School of Hygiene & Tropical Medicine (London)
- Terrence Higgins Trust (London)
- University of Brighton Centre for Health Research (Brighton)

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