TOBACCO QUESTIONS FOR SURVEYS (TQS) AND TOBACCO QUESTIONS FOR SURVEYS OF YOUTH (TQS-YOUTH)
GLOBAL YOUTH TOBACCO SURVEY (GYTS)

GLOBAL ADULT TOBACCO SURVEY (GATS)

TOBACCO QUESTIONS FOR SURVEYS (TQS)

- TQS: A Subset of Key Questions from GATS
- TQS-Youth: A Subset of Key Questions from GYTS
GLOBAL STANDARDS

- Various surveys measure tobacco use in different ways
  - Sample design
  - Methodology: e.g., mode of administration
  - Questionnaire
- GYTS and GATS questions have become “Global” standards for systematic monitoring of tobacco use and key tobacco control indicators
DEVELOPMENT OF TQS & TQS-YOUTH

- 2008-2009: Development of TQS
- 2010: TQS 1st Edition booklet release event in Dublin, Ireland
- 2013: TQS 2nd Edition release event at the World Health Organization (WHO), Geneva, Switzerland
  - Minor updates
- 2017-2018: Development of TQS-Youth
- 2019: TQS-Youth webinar release event
TQS/TQS-YOUTH FEATURES

- Simple, standard, scientific, and tested questions
- Include questions into national and international surveys
  - National health surveys, multi-risk factor surveys, demographic health surveys, non-health surveys
- Sustainable monitoring of tobacco use & key policy measures
- Enhancement of capacity for global monitoring and comparability
• Menu of tobacco indicators/survey questions:
  • Questions on smoking tobacco prevalence (3 questions)
  • Questions covering key topics (19 questions)
    • Smoking tobacco products (prevalence and quantity/frequency)
    • Smokeless tobacco prevalence
    • Exposure to secondhand smoke
    • Cessation
    • Anti-cigarette information
    • Cigarette advertising
    • Economics
• Select indicators and corresponding survey questions based on country need and tobacco control situations
• Countries can select all or some of questions
## TQS CONTENT – KEY PREVALENCE QUESTIONS

<table>
<thead>
<tr>
<th>Tobacco Topic</th>
<th>Indicator Name and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Tobacco Smokers</td>
<td>Percentage of respondents who currently smoke tobacco.</td>
</tr>
<tr>
<td>Current Daily Tobacco Smokers</td>
<td>Percentage of respondents who currently smoke tobacco daily.</td>
</tr>
<tr>
<td>Former Daily Tobacco Smokers (Among All Adults)</td>
<td>Percentage of respondents who are ever daily tobacco smokers and currently do not smoke tobacco.</td>
</tr>
<tr>
<td>Former Daily Tobacco Smokers (Among Ever Daily Smokers)</td>
<td>Percentage of ever daily tobacco smokers who currently do not smoke tobacco.</td>
</tr>
</tbody>
</table>

**Q1. Current tobacco smoking status**

**Q2a. Past daily smoking status** (for current less than daily smokers)

**Q2b. Past smoking status** (for current non-smokers)
## Q1. Current Tobacco Smoking Status

Do you currently smoke tobacco on a daily basis, less than daily, or not at all?

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAILY</td>
<td>1</td>
</tr>
<tr>
<td>LESS THAN DAILY</td>
<td>2</td>
</tr>
<tr>
<td>NOT AT ALL</td>
<td>3</td>
</tr>
<tr>
<td>DON’T KNOW</td>
<td>7</td>
</tr>
</tbody>
</table>

### Purpose
Determines the current tobacco smoking status of the respondent.

### Instructions
Ask question and record only one answer. (DON’T KNOW should not be read to the respondent.)

### Definitions
Daily means smoking at least one tobacco product every day or nearly every day.

### Indicator 1
Current Tobacco Smokers: Percentage of respondents who currently smoke tobacco.
Numerator: Number of current daily and less than daily tobacco smokers.
Denominator: Total number of respondents surveyed.

### Indicator 2
Current Daily Tobacco Smokers: Percentage of respondents who currently smoke tobacco daily.
Numerator: Number of current daily tobacco smokers.
Denominator: Total number of respondents surveyed.
Table 11-1. Detailed Smoking Status by Gender

<table>
<thead>
<tr>
<th>Smoking Status</th>
<th>Overall</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current tobacco smoker</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daily smoker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Occasional smoker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Occasional, formerly daily</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Occasional, never daily</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Current non-smoker</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Former smoker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Former daily smoker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Former occasional smoker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Never smoker</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Percentage (95% CI)*
STRUCTURE OF TQS-YOUTH GUIDE

- Menu of tobacco indicators/survey questions:
  - Questions on tobacco use prevalence (5 questions)
  - Questions covering key topics (16 questions)
    - Cessation
    - Secondhand smoke
    - Accessibility
    - Anti-tobacco information
    - Tobacco advertising and promotions
    - Electronic cigarettes

- Select indicators and corresponding survey questions based on country need and tobacco control situations

- Countries can select all or some of questions
## TQS-YOUTH CONTENT – KEY PREVALENCE QUESTIONS

<table>
<thead>
<tr>
<th>Tobacco Use</th>
<th>Indicator Name and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1. Ever cigarette smoking</td>
<td><strong>Ever Cigarette Smokers</strong>&lt;br&gt;Percentage of youth who ever smoked a cigarette.</td>
</tr>
<tr>
<td>Q2. Age at cigarette smoking initiation</td>
<td><strong>Age at Cigarette Smoking Initiation</strong>&lt;br&gt;Percentage of youth who first tried a cigarette at the age of [7 or younger; 8 or 9; 10 or 11; 12 or 13; 14 or 15] years old.</td>
</tr>
<tr>
<td>Q3. Current cigarette smoking</td>
<td><strong>Current Tobacco Smokers</strong>&lt;br&gt;Percentage of youth who currently smoke any tobacco products.</td>
</tr>
<tr>
<td>Q4. Current other tobacco smoking</td>
<td><strong>Current Cigarette Smokers</strong>&lt;br&gt;Percentage of youth who currently smoke cigarettes.</td>
</tr>
<tr>
<td>Q5. Current smokeless tobacco use</td>
<td><strong>Frequent Cigarette Smokers</strong>&lt;br&gt;Percentage of youth who smoked cigarettes on 20 or more days of the past 30 days.</td>
</tr>
<tr>
<td></td>
<td><strong>Current Smokers of Other Products</strong>&lt;br&gt;Percentage of youth who currently smoke tobacco products other than cigarettes.</td>
</tr>
<tr>
<td></td>
<td><strong>Current Smokeless Tobacco Users</strong>&lt;br&gt;Percentage of youth who currently use smokeless tobacco products.</td>
</tr>
<tr>
<td></td>
<td><strong>Current Tobacco Users</strong>&lt;br&gt;Percentage of youth who currently use any tobacco products.</td>
</tr>
</tbody>
</table>
Q1. Ever Cigarette Smoking

Have you ever tried or experimented with cigarette smoking, even one or two puffs?

a. Yes  
b. No

**Purpose**
Determines whether respondents ever smoked a cigarette.

**Indicator**
Ever Cigarette Smokers: Percentage of youth who ever smoked a cigarette.
Numerator: Number of respondents who tried or experimented with cigarette smoking, even one or two puffs.
Denominator: Total number of respondents to the question.
Table 11-1. Detailed tobacco use status, overall and by gender

<table>
<thead>
<tr>
<th></th>
<th>Overall</th>
<th>Boys</th>
<th>Girls</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Smoked Tobacco</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current tobacco smokers(^1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current cigarette smokers(^2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequent cigarette smokers(^3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current smokers of other tobacco(^4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ever cigarette smokers(^5)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Smokeless Tobacco</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current smokeless tobacco users(^6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tobacco Use</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current tobacco users(^7)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Smoked tobacco anytime during the past 30 days.  \(^2\) Smoked cigarettes anytime during the past 30 days.  \(^3\) Smoked cigarettes on 20 or more days of the past 30 days.  \(^4\) Smoked tobacco other than cigarettes anytime during the past 30 days.  \(^5\) Ever smoked cigarettes, even one or two puffs.  \(^6\) Used smokeless tobacco anytime during the past 30 days.  \(^7\) Smoked cigarettes and/or other smoked tobacco, and/or used smokeless tobacco anytime during the past 30 days.

* 95% Confidence Interval
TQS (ADULT) GUIDELINES: STUDY DESIGN

- TQS (GATS) questions developed for and tested in survey populations 15 years of age or older
- TQS (GATS) questions developed for a face-to-face household survey
  - Adaptation may be needed for other modes of administration (e.g., telephone, mail, internet)
TQS-YOUTH GUIDELINES: STUDY DESIGN

- TQS-Youth (GYTS) questions developed for and tested in survey populations 13 to 15 years of age
- TQS-Youth (GYTS) questions developed for a school-based, self-administered survey
  - Paper and pencil questionnaire using a scannable answer form (“bubble sheet”)
  - No skip logic in GYTS ensures students complete at approximately the same time
- Adaptation may be needed for other modes of administration (e.g., interviewer administered)
GUIDELINES: QUESTIONNAIRE

• Encouraged to use all questions (22 TQS / 21 TQS-Youth) for comprehensive evaluation
  • Note: Additional questions from GATS/GYTS can be included if needed (e.g., electronic cigarettes, heated tobacco products)
• Questions should be placed together in the same section of the questionnaire
• Placement in a multi-topic survey depends on survey purpose, topics, and length
• Keep question wording the same for purposes of comparability and validity
  • Minor adaptations may be needed (e.g., for different mode of administration)
GUIDELINES: USE OF DATA

• Monitoring and evaluation of existing tobacco control policies and programs
• Inform development and implementation of new interventions at community, sub-national, and national levels
• Comparison to past and current surveys with tobacco questions
  • Interpret carefully, taking-into-account differences in survey methods (such as questionnaire wording, context, sample design, target population, mode of administration, etc.)
GUIDELINES: DATA DISSEMINATION MATERIALS

- Populated tables
- Tobacco report
- Tobacco fact sheet
- Tobacco control brief
- Research graphs, publications
MONITORING TOBACCO USE OVER TIME USING TQS: TURKEY

*Health Interview Survey (HIS) results on tobacco are not shared with public for the years GATS implemented as well (2008, 2012). Results for 15+.

Source: TurkStat presentation at the 2014 OIC-SESRIC StatCom meeting
Prevalence of current tobacco smoking among adults aged 18 and above in Brazil

Source: Global Adult Tobacco Survey (GATS-2008) & National Health Survey (NHS-2013)
GUIDELINES: TECHNICAL PACKAGE

- TQS (adult) and TQS-Youth guide booklets
  - English, Arabic, Chinese, French, Portuguese, Russian, Spanish
- TQS (adult) Mini fold-out pocket guide
  - English, Arabic, Chinese, French, Russian, Spanish
- TQS (adult) Partner Guidance
- TQS (adult) fact sheet reporting template

Tobacco Questions for Surveys
الأسئلة المتعلقة بالتدخين في المسوح
烟草调查问卷
Questions sur le tabagisme à utiliser dans les enquêtes
Perguntas sobre Tabaco para Pesquisas
Вопросы в отношении употребления табака для использования в исследованиях
Preguntas sobre tabaco destinadas a encuestas

www.cdc.gov/tobacco/global
www.who.int/tobacco/surveillance/en
GUIDELINES: TECHNICAL ASSISTANCE

• TQS (adult) and TQS-Youth are open-source tools
  • CDC tracks use globally

• Expert consultation from CDC and WHO
  • Questionnaire: wording, skip logic, placement
  • Study design: sample design, data collection procedures
  • Analysis and reporting: construction of indicators, tables, graphs
100 countries have completed surveys with TQS integration
30 of these countries with > 1 integration
<table>
<thead>
<tr>
<th>National</th>
<th>International</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Health surveys</td>
<td>• STEPwise approach to Surveillance (STEPS)</td>
</tr>
<tr>
<td>• NCD multi-risk factor</td>
<td>• Global School Health Survey (GSHS)</td>
</tr>
<tr>
<td>• Nutrition and examination surveys</td>
<td>• Demographic and Health Surveys (DHS)</td>
</tr>
<tr>
<td>• Tuberculosis</td>
<td>• Multiple Indicator Cluster Surveys (MICS)</td>
</tr>
<tr>
<td>• Household living standards, budget surveys</td>
<td>• European Health Interview Survey (EHIS)</td>
</tr>
<tr>
<td>• Standalone tobacco surveys</td>
<td>• Reproductive Health Surveys (RHS)</td>
</tr>
<tr>
<td></td>
<td>• Drug use surveys (United Nations Office on Drugs and Crime / Organization of American States)</td>
</tr>
</tbody>
</table>
FUTURE ACTIVITIES

• TQS
  • Creation of new version of TQS booklet
    • Adding survey questions on electronic cigarettes and heated tobacco products
  • Continued promotion of TQS integration into surveys
  • Data dissemination, data to action
• TQS-Youth
  • Promotion for TQS-Youth integration into surveys
    • Engagement with surveillance systems
    • Engagement with countries
    • Release at conferences/meetings
THANK YOU

To download the TQS and TQS-Youth booklets, please scan the QR code below or go to:
https://www.gtssacademy.org/survey-tools/tqs/

For more information about the TQS initiative, contact us at GTSSinfo@cdc.gov