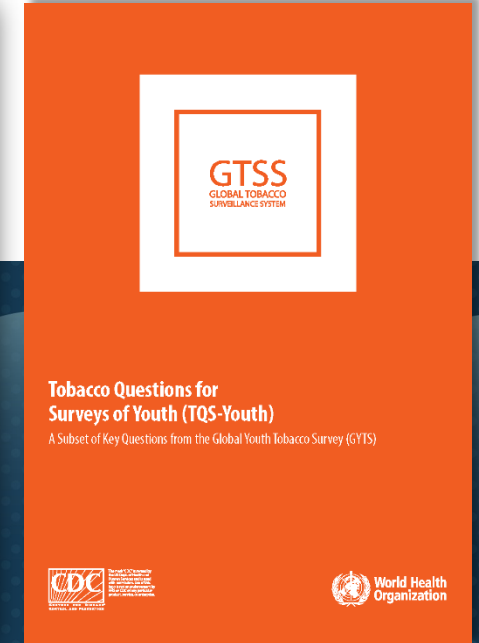


TOBACCO QUESTIONS FOR SURVEYS (TQS) AND TOBACCO QUESTIONS FOR SURVEYS OF YOUTH (TQS-YOUTH)



Centers for Disease Control and Prevention

National Center for Chronic Disease Prevention and Health Promotion

Office on Smoking and Health, Global Tobacco Control Branch



GLOBAL TOBACCO SURVEILLANCE SYSTEM (GTSS)

GYTS | GLOBAL YOUTH TOBACCO SURVEY

GATS | GLOBAL ADULT TOBACCO SURVEY

TQS | TOBACCO QUESTIONS FOR SURVEYS

- 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

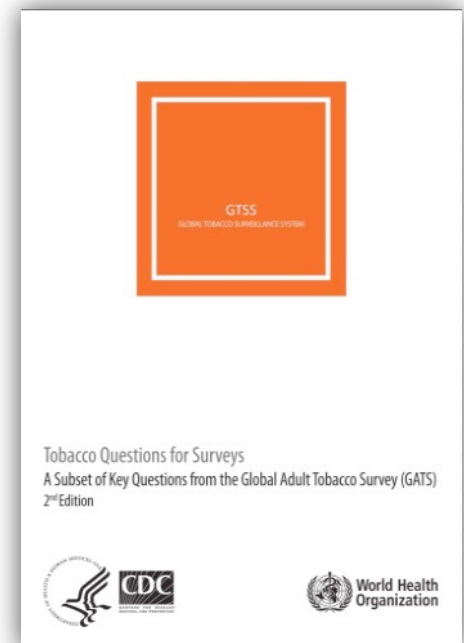
- 2008-2009: Development of TQS
- 2010: TQS 1st Edition booklet release event in Dublin, Ireland
- 2013: TQS 2nd Edition release event at the World Health Organization (WHO), Geneva, Switzerland
 - Minor updates
- 2017-2018: Development of TQS-Youth
- 2019: TQS-Youth webinar release event

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

STRUCTURE OF TQS (ADULT) GUIDE

- 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

	Tobacco Topic	Indicator Name and Description
Monitor	<p>Q1. Current tobacco smoking status</p> <p>Q2a. Past daily smoking status (for current less than daily smokers)</p> <p>Q2b. Past smoking status (for current non-smokers)</p>	<p>Current Tobacco Smokers Percentage of respondents who currently smoke tobacco.</p> <p>Current Daily Tobacco Smokers Percentage of respondents who currently smoke tobacco daily.</p> <p>Former Daily Tobacco Smokers (Among All Adults) Percentage of respondents who are ever daily tobacco smokers and currently do not smoke tobacco.</p> <p>Former Daily Tobacco Smokers (Among Ever Daily Smokers) Percentage of ever daily tobacco smokers who currently do not smoke tobacco.</p>

TQS EXAMPLE: SURVEY QUESTION

Q1. Current Tobacco Smoking Status

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

DAILY	1
LESS THAN DAILY	2
NOT AT ALL	3
DON'T KNOW	7

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.

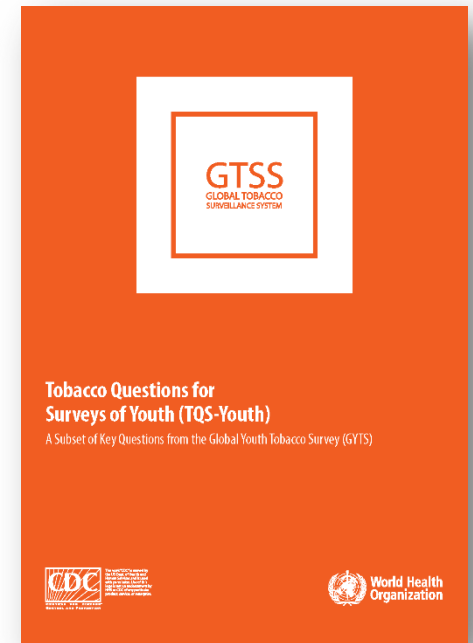
TQS EXAMPLE: ANALYSIS TABLE SHELL

Table 11-1. Detailed Smoking Status by Gender

Smoking Status	Overall	Male	Female
Percentage (95% CI)			
Current tobacco smoker			
Daily smoker			
Occasional smoker			
Occasional, formerly daily			
Occasional, never daily			
Current non-smoker			
Former smoker			
Former daily smoker			
Former occasional smoker			
Never smoker			

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

	Tobacco Topic	Indicator Name and Description
Tobacco Use	Q1. Ever cigarette smoking	Ever Cigarette Smokers Percentage of youth who ever smoked a cigarette.
	Q2. Age at cigarette smoking initiation	Age at Cigarette Smoking Initiation 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.
	Q3. Current cigarette smoking	Current Tobacco Smokers Percentage of youth who currently smoke any tobacco products.
	Q4. Current other tobacco smoking	Current Cigarette Smokers Percentage of youth who currently smoke cigarettes.
	Q5. Current smokeless tobacco use	Frequent Cigarette Smokers Percentage of youth who smoked cigarettes on 20 or more days of the past 30 days. Current Smokers of Other Products Percentage of youth who currently smoke tobacco products other than cigarettes. Current Smokeless Tobacco Users Percentage of youth who currently use smokeless tobacco products. Current Tobacco Users Percentage of youth who currently use any tobacco products.

TQS-YOUTH EXAMPLE: SURVEY QUESTION

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.

TQS-YOUTH EXAMPLE: ANALYSIS TABLE SHELL

Table 11-1. Detailed tobacco use status, overall and by gender

	Overall	Boys	Girls
	<i>Percentage (95% CI*)</i>		
<i>Smoked Tobacco</i>			
Current tobacco smokers ¹			
Current cigarette smokers ²			
Frequent cigarette smokers ³			
Current smokers of other tobacco ⁴			
Ever cigarette smokers ⁵			
<i>Smokeless Tobacco</i>			
Current smokeless tobacco users ⁶			
<i>Tobacco Use</i>			
Current tobacco users ⁷			

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)

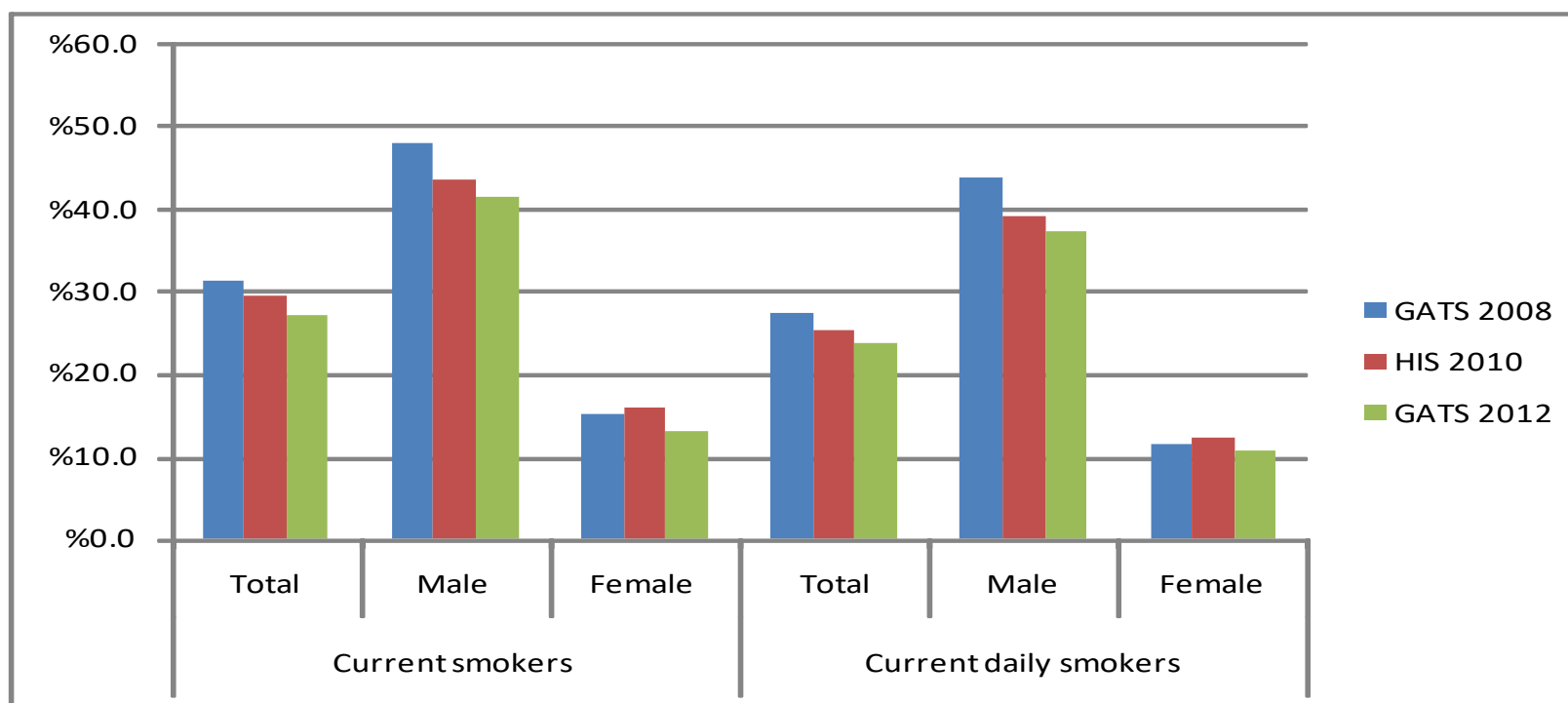
GUIDELINES: USE OF DATA

- 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

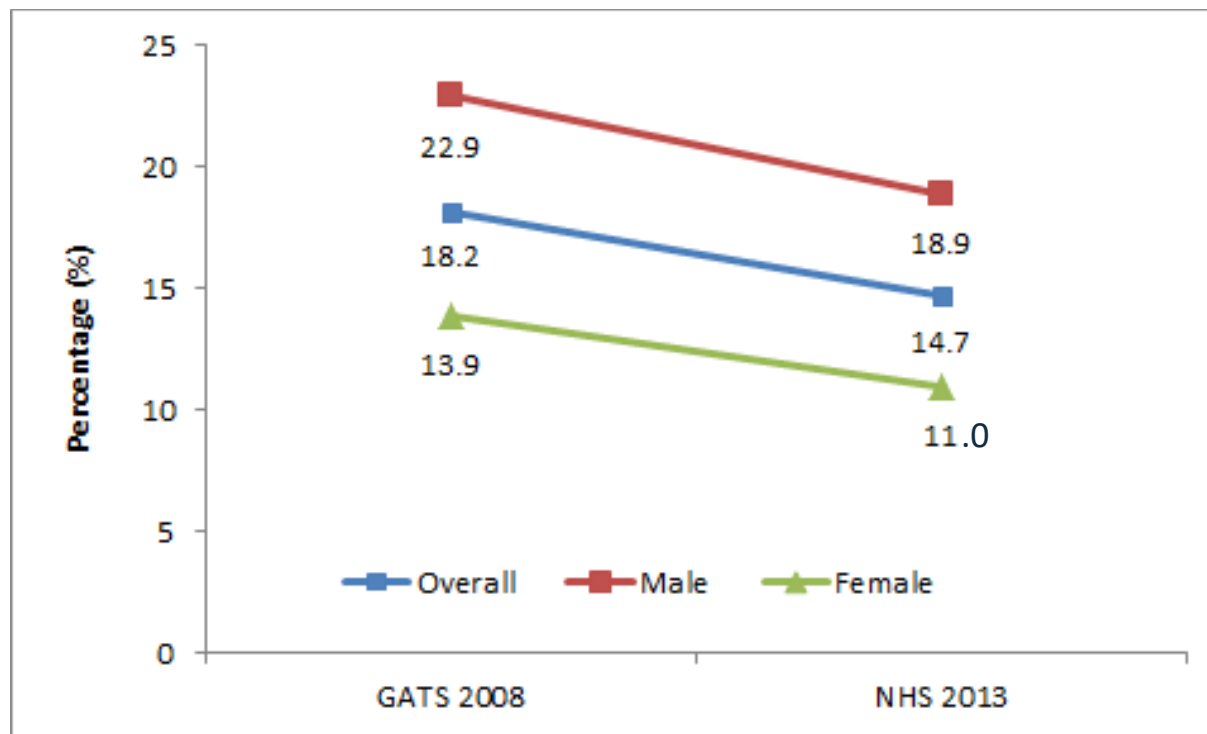


**Health Interview Survey (HIS) results on tobacco are not shared with public for the years GATS implemented as well (2008, 2012). Results for 15+.*

Source: TurkStat presentation at the 2014 OIC-SESRIC StatCom meeting

MONITORING TOBACCO USE OVER TIME USING TQS: BRAZIL

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

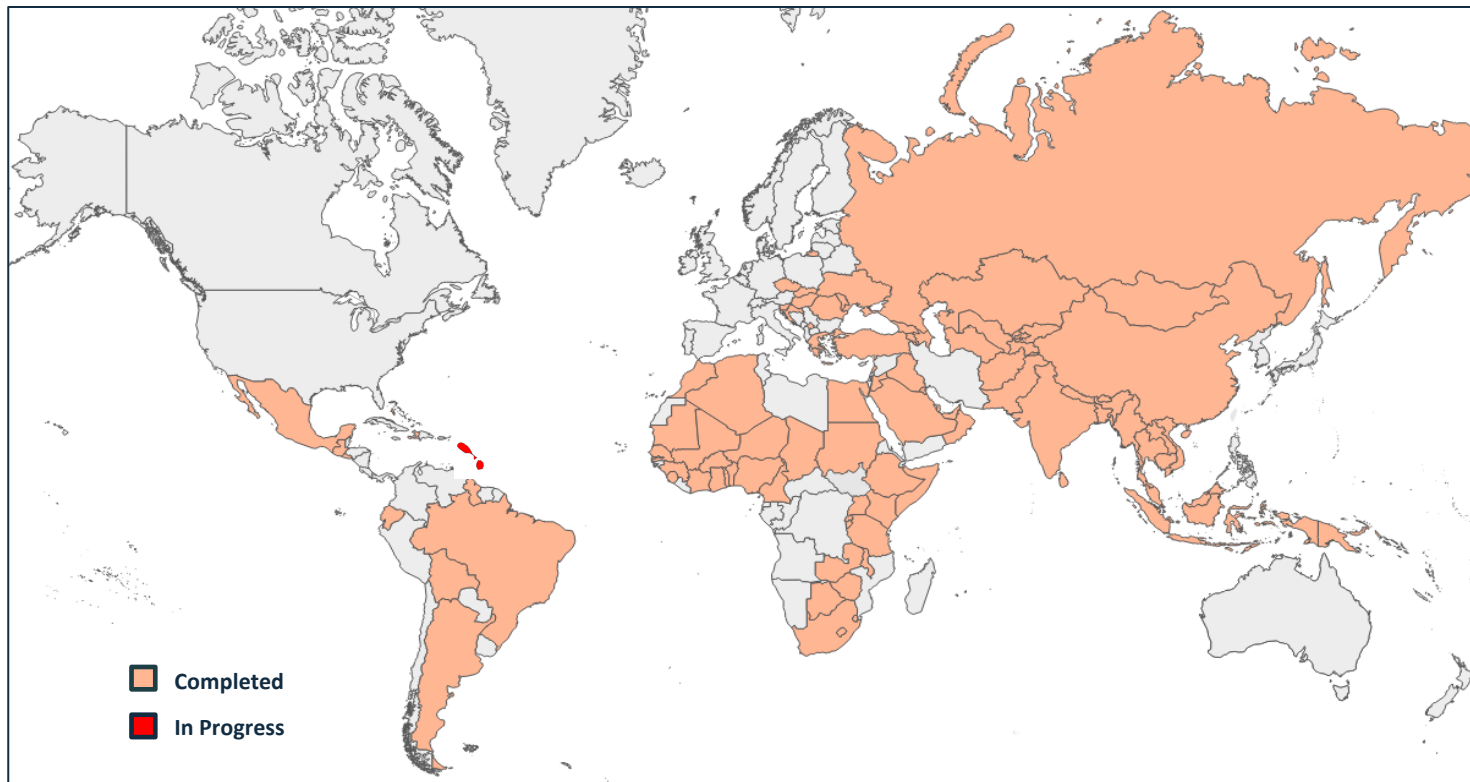
- TQS (adult) and TQS-Youth guide booklets
 - English, Arabic, Chinese, French, Portuguese, Russian, Spanish
- TQS (adult) Mini fold-out pocket guide
 - English, Arabic, Chinese, French, Russian, Spanish
- TQS (adult) Partner Guidance
- TQS (adult) fact sheet reporting template



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

TQS (ADULT) IMPLEMENTATION 2008-2022



100 countries have completed surveys with TQS integration
30 of these countries with > 1 integration

SURVEY PLATFORMS FOR TQS & TQS-YOUTH INTEGRATION

National

- Health surveys
 - NCD multi-risk factor
 - Nutrition and examination surveys
 - Tuberculosis
- Household living standards, budget surveys
- Standalone tobacco surveys

International

- STEPwise approach to Surveillance (STEPS)
- Global School Health Survey (GSHS)
- Demographic and Health Surveys (DHS)
- Multiple Indicator Cluster Surveys (MICS)
- European Health Interview Survey (EHIS)
- Reproductive Health Surveys (RHS)
- Drug use surveys (United Nations Office on Drugs and Crime / Organization of American States)

FUTURE ACTIVITIES

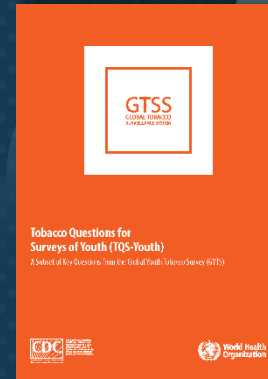
- TQS
 - Creation of new version of TQS booklet
 - Adding survey questions on electronic cigarettes and heated tobacco products
 - Continued promotion of TQS integration into surveys
 - Data dissemination, data to action
- TQS-Youth
 - Promotion for TQS-Youth integration into surveys
 - Engagement with 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



Centers for Disease Control and Prevention

National Center for Chronic Disease Prevention and Health Promotion

Office on Smoking and Health, Global Tobacco Control Branch

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

