



# **2020 Report of Verified Case of Tuberculosis Training: Case Studies**

**November 4, 2020**

# Case Studies on New 2020 RVCT Items

- Census tract
- Race
- Country of usual residence
- Initial reason evaluated for TB
- Occupation and industry
- Cigarette smoking status
- Lived outside US for >2 months
- Previous latent tuberculosis infection (LTBI) diagnosis
- Date of illness onset
- Binational case

## Demographics and Initial Evaluation

### 6. Reporting Address

a. City: \_\_\_\_\_

b. Is the Patient's Residence within City Limits?

\_\_\_ Yes

\_\_\_ No

\_\_\_ Unknown

c. County: \_\_\_\_\_

d. ZIP Code:      -

e. Census Tract (11-digit GEOID):

7. Date of Birth:   /   /

Unchanged

Unchanged

Unchanged

Unchanged

**New part**

Unchanged

# Q6 Reporting Address

## Case Study: Adam

- Adam is an epidemiologist who works for CDC
- He lives at 1600 Clifton Rd NE, Atlanta, GA 30329-4018
  - DeKalb County

## Q6 Case Study: Adam, continued

- How should you complete parts a–d for item 6 on the RVCT for Adam?

<b>6. <u>Reporting Address</u></b>
a. City: _____
b. <u>Is the Patient's Residence within City Limits?</u> ___ Yes ___ No ___ Unknown
c. County: _____
d. ZIP Code: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
e. Census Tract (11-digit GEOID): <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

How to  
complete  
part e. GEOID  
covered next

# Q6: Reporting Address

## Census Tract GEOID available at U.S. Census Geocoder

e. Census Tract (11-digit GEOID):

- “Find Geographies” option on U.S. Census Geocoder web site <https://geocoding.geo.census.gov/>
- Will need **street address** or **GIS coordinates**

United States  
**Census**  
Bureau

**"FIND LOCATIONS USING..." OPTION**

One Line  
Address  
Address Batch

**"FIND GEOGRAPHIES USING..." OPTION**

One Line  
**Address**  
Address Batch

**Geographic Coordinates**

**ABOUT DATA...**

Benchmarks  
Vintages

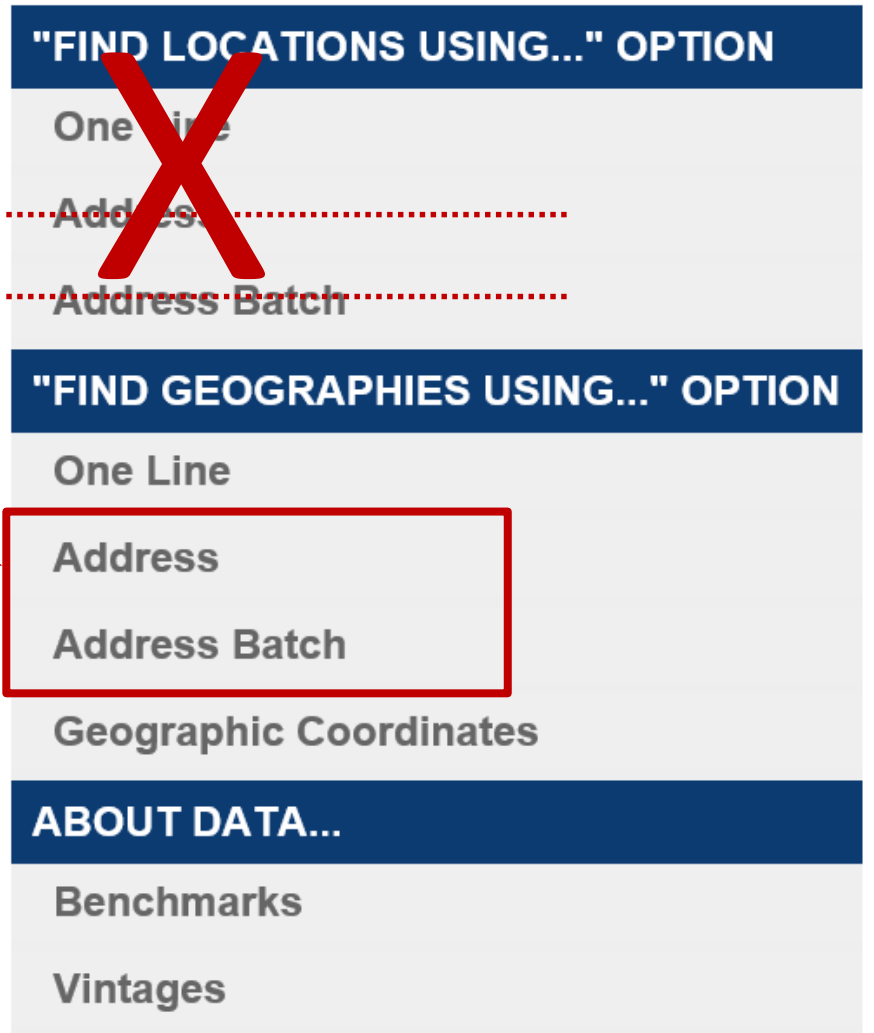
▼ Welcome to Geocoder

**Welcome to Geocoder**

Census geocoder provides interested in matching addresses. Please see the S Geocoding Services API PD

# GEOID troubleshooting tip 1 of 3

1. Be sure to choose **Address** under **FIND GEOGRAPHIES**, (not under Find Locations)



## GEOID troubleshooting tip 2 of 3

1. Be sure to choose Address under Find Geographies, (not under Find Locations)
2. Be sure you're looking at **Census Tracts (11 digits)**, which is toward the bottom, [not Census Block (15 digits)], which appears first

~~2010 Census Blocks:  
SUFFIX:  
GEOID: 130890224022005  
CENTLAT: +33.8036377  
BLOCK: 2005  
AREAWATER: 0  
STATE: 13~~

Census Tracts:  
GEOID: 13089022404  
CENTLAT: +33.7965677  
AREAWATER: 16247  
STATE: 13



# GEOID troubleshooting tip 3 of 3

1. Be sure to choose Address under Find Geographies, not under Find Locations
2. Be sure you're looking at Census Tract (11 digits), which is toward the bottom, not Census Block (15 digits), which appears first
3. If using GIS coordinates, be sure to list **X followed by Y**

Google Maps gives you



**##.#####**, **-##.#####**  
**Y latitude**      **X longitude**

But you need to enter

X: <b>X longitude</b>	<input type="text" value="-##.#####"/>
Y: <b>Y latitude</b>	<input type="text" value="##.#####"/>
Benchmark :	<input type="text" value="Public_AR_Current"/> ▼
Vintage :	<input type="text" value="Current_Current"/> ▼
<input type="button" value="FIND"/>	

## Q6e Case Study: Adam, correct complete answer

### 6. Reporting Address

a. City: Atlanta

b. Is the Patient's Residence within City Limits?

Yes

No

Unknown

c. County: DeKalb

d. ZIP Code:  -

e. Census Tract (11-digit GEOID):

# Q9 and Q10 Ethnicity and Race

## Case Study: Susy

- Susy, a teacher, is diagnosed with TB disease
- When you ask her race and ethnicity, she says she is “multiracial” because her father is an American Indian from Arizona and her mother is Cuban
- You provide a list of standard race categories and tell her she can select as many she thinks is appropriate
  - Susy responds that she is “multiracial” because she is American Indian/Alaska Native and White

# Q9 and Q10 Ethnicity and Race

## Case Study: Susy

- Next, you ask if she considers herself Hispanic or Latino
  - Susy says, “I consider myself part Hispanic”

# Q9 and Q10 Ethnicity and Race: Susy, continued

- How should you complete items 9 and 10 on the RVCT for Susy?

## 9. Ethnicity

- Hispanic or Latino
- Not Hispanic or Latino
- Unknown

## 10. Race

- American Indian or Alaska Native
- Asian (Specify: \_\_\_\_\_)
- Black or African American
- Native Hawaiian or Other Pacific Islander (Specify: \_\_\_\_\_)
- White
- Other Race (Specify: \_\_\_\_\_)
- Unknown

## Q9 and Q10 Ethnicity and Race: Susy

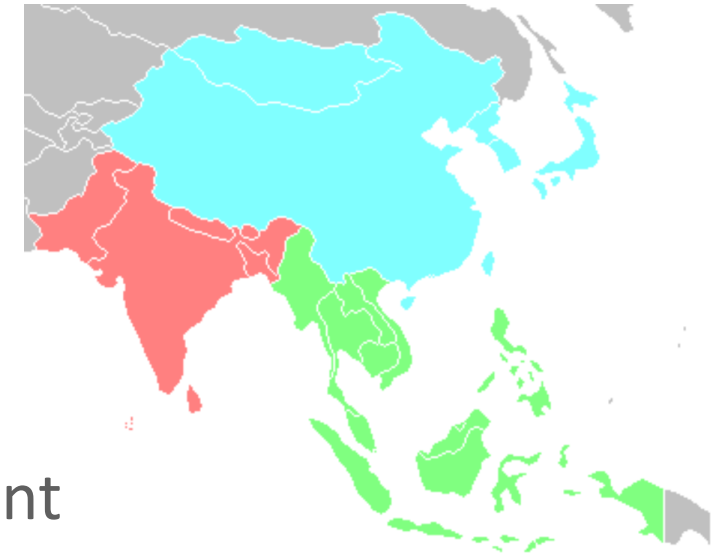
### 9. Ethnicity

- Hispanic or Latino
- Not Hispanic or Latino
- Unknown

### 10. Race

- American Indian or Alaska Native
- Asian (Specify: \_\_\_\_\_)
- Black or African American
- Native Hawaiian or Other Pacific Islander (Specify: \_\_\_\_\_)
- White
- Other Race (Specify: \_\_\_\_\_)
- Unknown

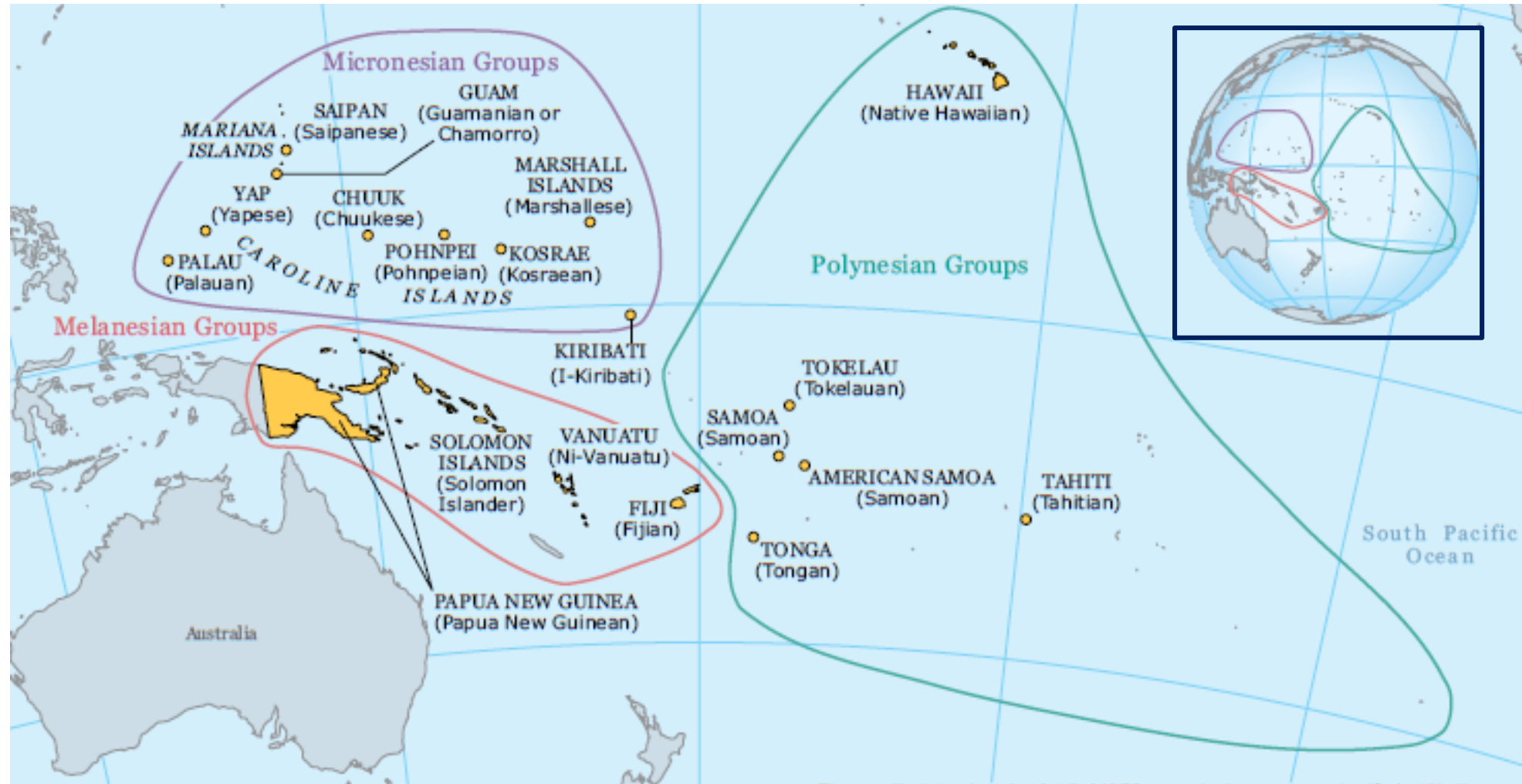
# Specifying Asian Race



- Persons with origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent

- Asian Indian
- Bangladeshi
- Bhutanese
- Burmese
- Cambodian
- Chinese
- Filipino
- Hmong
- Indonesian
- Iwo Jiman
- Japanese
- Korean
- Laotian
- Malaysian
- Maldivian
- Nepalese
- Okinawan
- Pakistani
- Singaporean
- Sri Lankan
- Taiwanese
- Thai
- Vietnamese
- Other Asian

# Specifying Native Hawaiian or Other Pacific Islander Race





# Common Misconceptions Reporting Race and Nationality

- Ensure cases who are born in India are classified correctly
  - Do not classify persons born in India as “American Indian”
  - Persons born in India should be classified as Asian Indian
- Be aware that Republic of the Congo is not the same as Democratic Republic of the Congo (DRC, formerly Zaire)



India



Democratic  
Republic  
of the Congo

Republic  
of Congo



# Q12 Country of Usual Residence

## Case Study: Glenda

- Born and grew up in Jamaica
- Glenda is in her 4<sup>th</sup> year at the University of Georgia
- She was diagnosed with TB and is currently on treatment in Athens, Georgia
- She travels home to visit her parents in Jamaica

## Q12 Case Study: Glenda, continued

- How should you complete item 12 on the RVCT for Glenda?

### 12. Country of Usual Residence

- a. Country of Usual Residence: \_\_\_\_\_
- b. If NOT U.S. Reporting Area, Has Been in United States for  $\geq 90$  days (inclusive of Report Date)?
- \_\_\_ Yes
- \_\_\_ No
- \_\_\_ Unknown

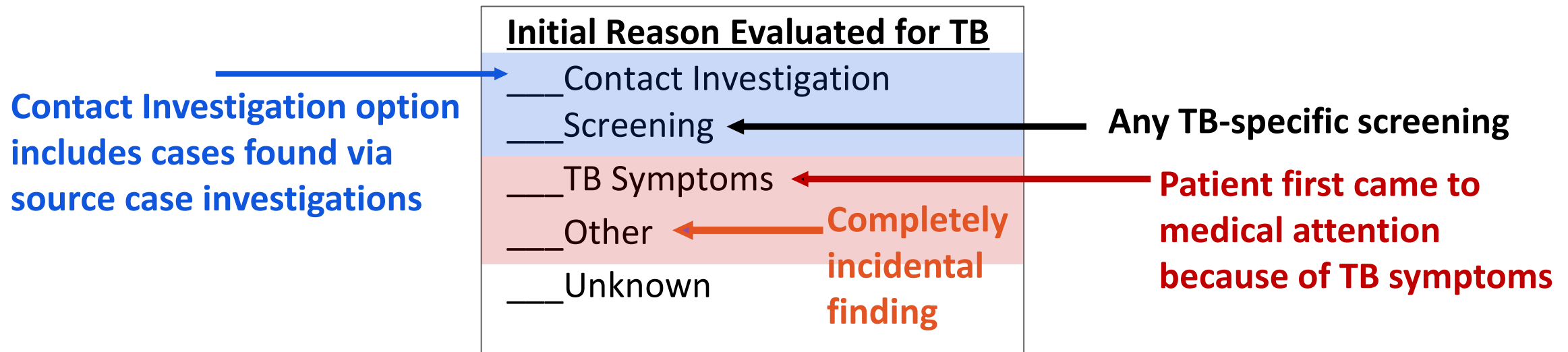
## Q12 Case Study: Glenda, correct answer

### 12. Country of Usual Residence

- a. Country of Usual Residence: United States
- b. If NOT U.S. Reporting Area, Has Been in United States for  $\geq 90$  days (inclusive of Report Date)?
- Yes
- No
- Unknown

- And the Georgia TB program would also **count** this case (items **Q2** and **Q5**), because she had already been **in USA  $\geq 90$  days when her TB evaluation began**

# Q14 Initial Reason Evaluated for TB



- To examine trends in how TB cases come to the attention of the public health or medical establishment
  - Response options presented as hierarchy; select 1<sup>st</sup> option that applies

## Q14 Case Study: Casey

- Casey is a nursing student at the local university
- She is beginning her clinical rotations, so she receives a tuberculin skin test (TST) at the student health clinic
- Her TST is positive at 17 mm
  - After further evaluation, she is diagnosed with TB disease



## Q14 Casey, continued

- How should you complete item 14 on the RVCT for Casey?

### Initial Reason Evaluated for TB

\_\_\_ Contact Investigation

\_\_\_ Screening

\_\_\_ TB Symptoms

\_\_\_ Other

\_\_\_ Unknown

## Q14 Casey, correct answer

### Initial Reason Evaluated for TB

Contact Investigation

Screening

TB Symptoms

Other

Unknown



# Q15 Occupation and Industry

## Case Study: Asa

- Asa drove himself to the local hospital reporting cough, fever, chills, and shortness of breath; thought he had COVID-19
  - TB disease was diagnosed
- He was never a health care, correctional, or migrant/seasonal worker
- He runs a coffee shop called Asa's Place in Edge Hill, Georgia

NIOSH = National Institute of Occupational and Safety and Health: <https://www.cdc.gov/niosh>

NIOCCS = National Industry and Occupation Computerized Coding System: <https://wwwn.cdc.gov/nioccs3/>

# Q15 Case Study: Asa, continued

- How should you complete item 15 on the RVCT for James?

## 15. Occupation and Industry

- a. Has the patient ever worked as one of the following? (select all that apply)

- Healthcare Worker
- Correctional Facility Employee
- Migrant/Seasonal Worker
- None of the above
- Unknown

- b. Patient's Current Occupation(s) and Industry(ies)

Occupation	Industry

# Q15 Case Study: Asa, correct answer

## 15. Occupation and Industry

a. Has the patient ever worked as one of the following? (select all that apply)

- Healthcare Worker
- Correctional Facility Employee
- Migrant/Seasonal Worker
- None of the above
- Unknown

b. Patient's Current Occupation(s) and Industry(ies)

Occupation	Industry

## Q15 Case Study: Asa, correct answer

b. Patient's Current Occupation(s) and Industry(ies)

Occupation	Industry
Shop owner	Coffee shop

## Q19 Case Study: Ferris

- On his days off, Ferris regularly uses marijuana
- He also occasionally gets together with friends at hookah lounges, where they like to sample different flavored tobacco products



# Q19: Current Smoking Status at Diagnostic Evaluation

- **Current everyday smoker:** Patient currently **inhales nicotine** every day
- **Current someday smoker:** Patient currently **inhales nicotine** some days, but not every day
- **Former smoker:** Patient smoked  $\geq 100$  cigarettes/cigars during lifetime, then quit
- **Never smoker:** Patient smoked 0–99 cigarettes/cigars during lifetime



## Q19 Case Study: Ferris, continued

- How should you complete item 19 on the RVCT for Ferris?

### **19. Current Smoking Status at Diagnostic Evaluation**

- Current everyday smoker
- Current someday smoker
- Former smoker
- Never smoker
- Smoker, current status unknown
- Unknown if ever smoked

## Q19 Case Study: Ferris, correct answer

### 19. Current Smoking Status at Diagnostic Evaluation

- Current everyday smoker
- Current someday smoker
- Former smoker
- Never smoker
- Smoker, current status unknown
- Unknown if ever smoked

AND report his marijuana use in **Q16** Noninjection drug use





## Q20 Lived Outside the United States for >2 Months (Uninterrupted) Case Study 1 of 2: Matthew

- Matthew is an adolescent who received a diagnosis of TB in your jurisdiction
- Matthew was born in Ramstein, Germany, where his parents were both active duty with the U.S. Air Force
- Three months after he was born, they changed duty stations and moved to Virginia

## Q20 Case Study 1 of 2: Matthew, continued

- How should you complete item 20 on the RVCT for Matthew?

**20. Lived outside of the United States for >2 months (uninterrupted)?**

Yes

No

Unknown

## Q20 Case Study 1 of 2: Matthew, correct answer

20. Lived outside of the United States for >2 months (uninterrupted)?

Yes

No

Unknown

## Q20 Case Study 2 of 2: Derrick

- Derrick is the CDC Public Health Advisor assigned to the Hawaii TB program
- Lately, he has had a lot of consecutive work trips
  - CNMI for 3 weeks, then
  - Guam for 4 weeks, and then
  - American Samoa for 3 weeks

## Q20 Case Study 2 of 2: Derrick, continued

- How should you complete item 20 on the RVCT for Derrick?

**20. Lived outside of the United States for >2 months (uninterrupted)?**

Yes

No

Unknown

## Q20 Case Study: Derrick, correct answer

20. Lived outside of the United States for >2 months (uninterrupted)?

Yes

No

Unknown

- For **Q20**, anywhere outside the 50 U.S. states, District of Columbia, Puerto Rico, or the U.S. Virgin Islands

## Q23 Has the Patient Been Previously Diagnosed with TB Disease or LTBI? Case Study: David

- David has never been diagnosed with TB disease or latent TB infection (LTBI) before
- On January 23, 2019, following a positive TST and normal chest x-ray, David begins LTBI treatment
- He completes LTBI treatment 6 months later
- He spends the 2019–2020 school year in South Africa
- In the fall of 2020, David seeks care several times for a persistent cough
- Eventually, he is diagnosed with pulmonary TB disease

# Q23 Case Study: David, correct answers

- How should you answer item 23 on the RVCT for David?

**23. Has the Patient been Previously Diagnosed with TB Disease or LTBI?**

- Yes
- No
- Unknown

**If YES, Complete Table Below (unlimited number of rows may be entered):**

Diagnosis Type (TB Disease/LTBI)	Date of Diagnosis	Previous State Case No.	Completed Treatment? (Yes/No/Unknown)
	□□/□□/□□□□	□□□□- □□- □□□□□□□□□□	
	□□/□□/□□□□	□□□□- □□- □□□□□□□□□□	
	□□/□□/□□□□	□□□□- □□- □□□□□□□□□□	



## Q23 Case Study: David, correct answers

23. Has the Patient been Previously Diagnosed with TB Disease or LTBI?

Yes

No

Unknown

If YES, Complete Table Below (unlimited number of rows may be entered):

Diagnosis Type (TB Disease/LTBI)	Date of Diagnosis	Previous State Case No.	Completed Treatment? (Yes/No/Unknown)
LTBI	01/23/2019	2019 ST LTBI00235	Yes
	□□/□□/□□□□	□□□□-□□-□□□□□□□□□□	
	□□/□□/□□□□	□□□□-□□-□□□□□□□□□□	

- Since no state case # assigned to LTBI cases, leave that part blank

# Q24 Date of Illness Onset/Symptom Start Date

## Case Study: Emma

- Emma is scheduled for surgery to implant a pacemaker on **February 14, 2020**
- Despite her irregular heart rate, Emma says she feels fine
- A chest x-ray is part of her routine pre-op appointment **February 11**
  - An abnormality in the lungs is flagged
  - Her cardiologist orders a pulmonology consultation, and Emma is subsequently diagnosed with smear-neg TB
- Emma continues to insist she feels fine

## Q24 Case Study: Emma, continued

- How should you complete item 24 on the RVCT for Emma?

24. Date of Illness Onset/Symptom Start Date:   /   /

## Q24 Case Study: Emma, correct answer

24. Date of Illness Onset/Symptom Start Date:   /   /

# Q26 Case Meets Binational Reporting Criteria?

## Case Study: Pedro

- Pedro lives and works in El Paso, where he receives his TB treatment
- He regularly crosses the border to visit family in Mexico
  - He frequently brings his grandmother's homemade *queso fresco* back with him
- After genotyping of Pedro's TB isolate, *M. bovis* is identified

## Q26 Case Study: Pedro

- How should you complete item 26 on the RVCT for Pedro?

### 26. Case Meets Binational Reporting Criteria?

Yes

If Yes, Which Criteria were Met? (Select All That Apply)

Exposure to Suspected Product from Canada or Mexico (e.g., dairy product for *M. bovis* case)

Has Case Contacts In or From Mexico or Canada

Potentially Exposed by a Resident of Mexico or Canada

Potentially Exposed while in Mexico or Canada

Resident of Canada or Mexico

Other Situations that May Require Binational Notification or Coordination of Response

No

Unknown

## Q26 Case Study: Pedro, correct answer

- How should you complete item 26 on the RVCT?

### 26. Case Meets Binational Reporting Criteria?

Yes

If Yes, Which Criteria were Met? (Select All That Apply)

Exposure to Suspected Product from Canada or Mexico (e.g., dairy product for *M. bovis* case)

Has Case Contacts In or From Mexico or Canada

Potentially Exposed by a Resident of Mexico or Canada

Potentially Exposed while in Mexico or Canada

Resident of Canada or Mexico

Other Situations that May Require Binational Notification or Coordination of Response

No

Unknown

# Q28 Contact Investigation Conducted for this Case?

## Q29 All Known Epi-Linked TB and LTBI Cases

### Case Study: John

- John was just diagnosed with smear-positive and cavitary pulmonary TB, so he is a high priority for contact investigation
- During John's contact investigation, you identify 1 new case of TB disease and 2 LTBI cases among John's contacts — their state case numbers:
  - 2019-ST-876543210
  - 2019-ST-LTBI00234
  - 2019-ST-LTBI00235



- 2019-ST-876543210
- 2019-ST-LTBI00234
- 2019-ST-LTBI00235

## Q28 & Q29 Case Study: John, continued

- How should you complete items 28 and 29 on the RVCT for John?

**28. Contact Investigation Conducted for This Case?**

- Yes
- No
- Unknown

**29. Complete Table Below for All Known TB and LTBI Cases Epidemiologically Linked to this Case (an unlimited number of rows may be entered):**

State Case Number
□□□□ - □□ - □□□□□□□□□□
□□□□ - □□ - □□□□□□□□□□
□□□□ - □□ - □□□□□□□□□□

## Q28 & Q29 Case Study: John, correct answers

### 28. Contact Investigation Conducted for This Case?

Yes

No

Unknown

### 29. Complete Table Below for All Known TB and LTBI Cases Epidemiologically Linked to this Case (an unlimited number of rows may be entered):

State Case Number
2019 – ST – 876543210
2019 – ST – LTBI00234
2019 – ST – LTBI00235

- And on 2019-ST-87654210's RVCT, be sure **Q27** = Yes and **Q29** lists John

## Q31 Case Study: Kristin

- Kristin is taking isoniazid, rifabutin, pyrazinamide, and ethambutol in the initial treatment phase for her TB disease

## Q31 Kristin, continued

- How would you complete item 31 on the RVCT for Kristin?
- Note new drugs in list

Drug Name	Used?
Isoniazid	
Rifampin	
Pyrazinamide	
Ethambutol	
Streptomycin	
Rifabutin	
Rifapentine	
Ethionamide	
Amikacin	
Kanamycin	
Capreomycin	
Ciprofloxacin	
Levofloxacin	
Ofloxacin	
Moxifloxacin	
Cycloserine	
Para-Amino Salicylic Acid	
Linezolid	
Bedaquiline	
Delamanid	
Clofazimine	
Pretomanid	
Other: _____	

# Q31 Kristin, correct answers

Drug Name	Used?
Isoniazid	Yes
Rifampin	No
Pyrazinamide	Yes
Ethambutol	Yes
Streptomycin	No
Rifabutin	Yes
Rifapentine	No
Ethionamide	No
Amikacin	No
Kanamycin	No
Capreomycin	No
Ciprofloxacin	No
Levofloxacin	No
Ofloxacin	No
Moxifloxacin	No
Cycloserine	No
Para-Amino Salicylic Acid	No
Linezolid	No
Bedaquiline	No
Delamanid	No
Clofazimine	No
Pretomanid	No
Other: _____	No

# Q32 If Initial Regimen NOT RIPE/HRZE, Why Not?

## Case Study: Basab and Ben

- Pyrosequencing techniques at the state public health lab identified rifampin resistance soon after **Basab's** TB diagnosis
- Gene Xpert MTB/RIF results suggested rifampin resistance at the time of **Ben's** TB diagnosis

## Q32 Case Study: Basab and Ben

- Pyrosequencing techniques at the state public health lab identified rifampin resistance soon after **Basab's** TB diagnosis
  - *Sequencing data identifies specific DNA mutation in rpoB gene and corresponding amino acid change that confers RIF resistance*
- Gene Xpert MTB/RIF\* results suggested rifampin resistance at the time of **Ben's** TB diagnosis
  - *Detects rpoB gene mutation that is possibly associated with RIF resistance*
  - *Does not provide information on the specific mutation*
- Both had initial treatment regimens for multidrug-resistant (MDR) TB

## Q32 Case Study: Basab and Ben, continued

- How should you complete item 32 for Basab (where med decision was based on **sequencing methods**)?
- How should you complete item 32 for Ben (where med decision was based on a **nonsequencing method**)?

### 32. If Initial Drug Regimen NOT RIPE/HRZE, Why Not?

- Drug contraindication/interaction
- Drug susceptibility testing results already known
- Suspected drug resistance
- Drug shortage
- Other (Specify: \_\_\_\_\_)
- Unknown

### 32. If Initial Drug Regimen NOT RIPE/HRZE, Why Not?

- Drug contraindication/interaction
- Drug susceptibility testing results already known
- Suspected drug resistance
- Drug shortage
- Other (Specify: \_\_\_\_\_)
- Unknown



## Q32 Case Study: Basab and Ben, correct answers

- **Sequencing** methods for this mutation considered confirmatory

- **Nonsequencing** methods identify gene mutations associated with resistance, but are not confirmatory

### 32. If Initial Drug Regimen NOT RIPE/HRZE, Why Not?

- Drug contraindication/interaction
- Drug susceptibility testing results already known
- Suspected drug resistance
- Drug shortage
- Other (Specify: \_\_\_\_\_)
- Unknown

### 32. If Initial Drug Regimen NOT RIPE/HRZE, Why Not?

- Drug contraindication/interaction
- Drug susceptibility testing results already known
- Suspected drug resistance
- Drug shortage
- Other (Specify: \_\_\_\_\_)
- Unknown

# Q34 Phenotypic/Growth-Based DST Results

Drug Name	Date Collected	Date Reported	Specimen Source	Result (Susceptible, Resistant, Unknown, Not Done)
Isoniazid	07/01/2020	09/02/2020	Sputum	Susceptible
Rifampin	07/01/2020	09/02/2020	Sputum	Susceptible
Pyrazinamide	07/01/2020	09/02/2020	Sputum	Susceptible
Ethambutol	07/01/2020	09/02/2020	Sputum	Susceptible
Streptomycin	□□/□□/□□□□	□□/□□/□□□□		Not Done
Rifabutin	□□/□□/□□□□	□□/□□/□□□□		Not Done
Rifapentine	□□/□□/□□□□	□□/□□/□□□□		Not Done
Ethionamide	□□/□□/□□□□	□□/□□/□□□□		Not Done
Amikacin	□□/□□/□□□□	□□/□□/□□□□		Not Done
Kanamycin	□□/□□/□□□□	□□/□□/□□□□		Not Done
Capreomycin	□□/□□/□□□□	□□/□□/□□□□		Not Done
Ciprofloxacin	□□/□□/□□□□	□□/□□/□□□□		Not Done
Levofloxacin	□□/□□/□□□□	□□/□□/□□□□		Not Done
Ofloxacin	□□/□□/□□□□	□□/□□/□□□□		Not Done
Moxifloxacin	□□/□□/□□□□	□□/□□/□□□□		Not Done
Other Quinolones	□□/□□/□□□□	□□/□□/□□□□		Not Done
Cycloserine	□□/□□/□□□□	□□/□□/□□□□		Not Done
Para-Amino Salicylic Acid	□□/□□/□□□□	□□/□□/□□□□		Not Done
Bedaquiline	□□/□□/□□□□	□□/□□/□□□□		Not Done
Clofazimine	□□/□□/□□□□	□□/□□/□□□□		Not Done
Delamanid	□□/□□/□□□□	□□/□□/□□□□		Not Done
Linezolid	□□/□□/□□□□	□□/□□/□□□□		Not Done
Pretomanid	□□/□□/□□□□	□□/□□/□□□□		Not Done
	□□/□□/□□□□	□□/□□/□□□□		

# Q36 Was the Patient Treated as an MDR TB Case?

## Case Study 1 of 2: Wyatt

- Wyatt is 4 years old; his mom is being treated for culture-confirmed MDR TB
- Wyatt's chest radiograph showed primary TB disease
- Wyatt's gastric aspirates are unsuccessful in retrieving *M. tuberculosis*
- Nevertheless, Wyatt's physician decides to prescribe an MDR TB treatment regimen based on the drug-resistance pattern of his mother's MDR TB disease



## Q36 Case Study 1 of 2: Wyatt, continued

- How should you complete item 36 on the RVCT for Wyatt?

**36. Was the Patient Treated as an MDR TB Case (Regardless of DST Results)?**

Yes

No

Unknown

**If YES, complete MDR TB Supplemental Data Form**



## Q36 Case Study 1 of 2: Wyatt, correct answer

36. Was the Patient Treated as an MDR TB Case (Regardless of DST Results)?

Yes

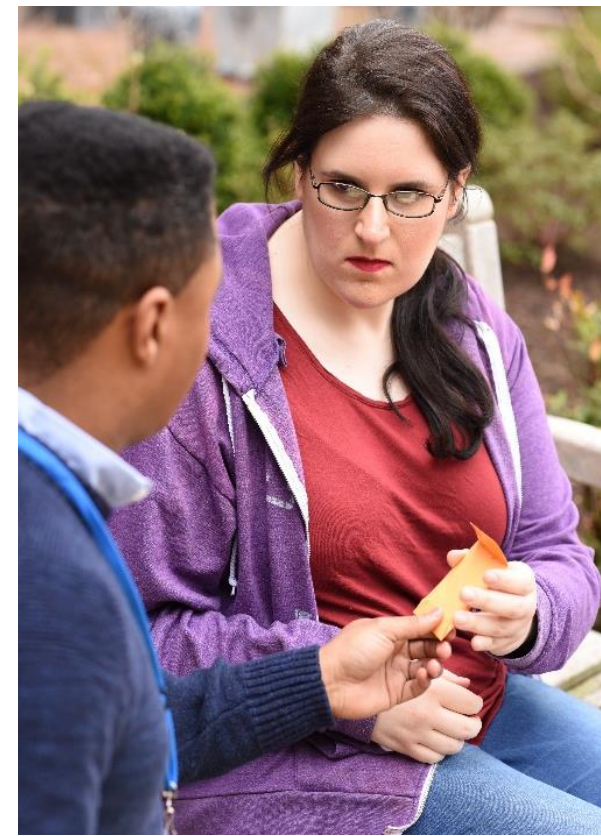
No

Unknown

**If YES, complete MDR TB Supplemental Data Form**

## Q36 Case Study 2 of 2: Ms. Funk

- Ms. Funk has isoniazid-resistant TB
  - Not MDR TB because it is still susceptible to rifampin
- Her physician prescribes a regimen of rifampin, pyrazinamide, ethambutol, and levofloxacin
- But she hates rifampin's side effects and refuses to continue taking rifampin
- Her physician switches her to an MDR TB treatment regimen even though she does not have MDR TB



## Q36 Case Study 2 of 2: Ms. Funk, continued

- How should you complete item 36 on the RVCT for Ms. Funk?

**36. Was the Patient Treated as an MDR TB Case (Regardless of DST Results)?**

Yes

No

Unknown

**If YES, complete MDR TB Supplemental Data Form**

## Q36 Case Study 2 of 2: Ms. Funk, correct answer

**36. Was the Patient Treated as an MDR TB Case (Regardless of DST Results)?**

Yes

No

Unknown

**If YES, complete MDR TB Supplemental Data Form**



# Thank You

## *Questions?*

