


TB GIMS Reports and Maps

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Audience Participation

- ❑ Instead of a roll call, please email tbgenotyping@cdc.gov and let us know you are on the call
- ❑ To ask question by phone, please dial *6 after presenter unmutes the audience
- ❑ After your question is answered, please dial *6 again to mute yourself
- ❑ You may also use the chat box for questions and discussion

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Overview

- ❑ Review of TB cluster definitions
- ❑ Overview on reports and maps
- ❑ Description of reports and maps available in TB GIMS

Review: TB Genotype Cluster

- ❑ **Genotype cluster**
 - Two or more patients with matching genotypes
 - Usually restricted by place and time
- ❑ **TB GIMS cluster definition**
 - Two or more TB cases with matching genotypes
 - Within a single county, during a 3-year time period
- ❑ **TB genotype cluster may indicate**
 - Same or different chains of transmission
 - Recent or remote transmission from the past
 - Direct or indirect relationships

TB Genotype Cluster

- ❑ **Cluster definition**
 - GENType: Spoligotype + (MIRU + MIRU2)
 - E.g., GENType: G10249
 - PCRTYPE: Spoligotype + MIRU
 - E.g., PCRTYPE: PCR01047

Reports and Maps: Overview

- ❑ **Analytic and visual tools available in TB GIMS**
- ❑ **Genotype clusters**
 - Defined by GENType or PCRTYPE
- ❑ **Based on records that have genotype results linked with their corresponding surveillance records**
- ❑ **Reports and maps include data from current year and the 10 previous calendar years**

Available Reports and Maps

- ❑ State List of GENTypes
- ❑ National Distribution
- ❑ Maps (National, State, County)
- ❑ Surveillance Summary
- ❑ Epidemic Curve
- ❑ County List of GENTypes
- ❑ Change in cluster alerts

Training Example

- ❑ For training purposes, we will use fictitious data
 - State: Regbess, Welcomeland, Erickville
 - Counties: Zeeter, Canaba and Denti
 - Date Type: Count date
 - Time period: 2/12/2011 – 2/12/2014
 - GENType: G15185

Generate Reports

State List of GENTypes

- ❑ Generates a list of all the GENTypes present in a given state over a specified time period (3 years by default)
- ❑ Lists the number of cases with a given GENType in your state and in the rest of the United States
- ❑ State list includes all GENTypes including unique cases (not clustered)
- ❑ Recommendation: Generate this as the first TB GIMS report as a reference list for all genotypes in your jurisdiction

State List of GENTypes

Generate Reports

To generate a Report, enter the search criteria then click Run.

Note: The last TB GIMS Surveillance Upload includes data transmitted to CDC through 02/11/2014. By default, the Change in Cluster Alert Level Report is based on count date. Alert status is calculated for the three years prior to the last surveillance upload date. Data in reports and maps are refreshed nightly and are current as of yesterday evening. GENType is not available for all isolates from before 2009.

Basic Options

Report: State List of GENTypes

State: REGBESS

Date Type: State List of GENTypes

Date Range: 02/12/2011 to 02/12/2014

Sort Order: Number of cases, descending

Run Clear

State List of GENTypes

Basic Options

Report: State List of GENTypes

State: REGBESS

Date Type: Count Date

Date Range: 02/12/2011 to 02/12/2014

Sort Order: Number of cases, descending

Run Clear

National Map

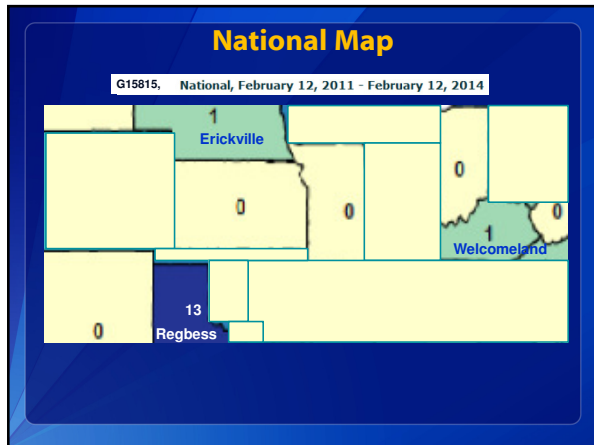
Basic Options * Required

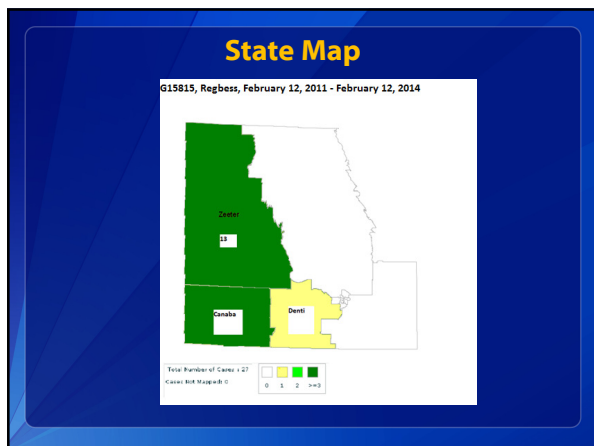
*Report: *Type:
*State: *PCRType:

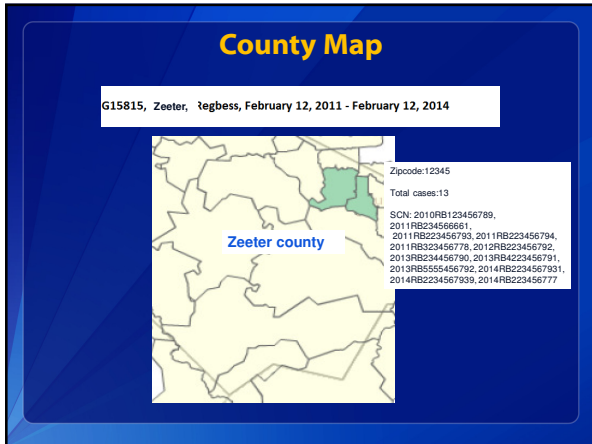
Country: (max. 25) Region:

*Date Type:

*Date Range: - The last TB CDMS Surveillance Update included data transmitted to CDC through 02/11/2014. Reports and maps only include data from this year and the 10 previous calendar years.







Surveillance Summary Report

- Tabular format for comparison of select demographic, risk and epidemiologic characteristics between
 - Number of TB cases in a specified jurisdiction and rest of the state

OR

▪ Number of TB cases in a specified jurisdiction and the U.S.
- Recommendation: Generate this report to summarize and compare a cluster within and outside a jurisdiction of interest

Surveillance Summary Report

Basic Options Required

Report: Surveillance Summary # Type: CENTType: G15185
States: Select a Report # PCRTType:

Country: Select a Region
City:

Date Type: Timeliness
Date Range: 02/12/2011 - 02/12/2014
Comparison Group: Rest of U.S.

The last TB GENIS Surveillance Update includes data transmitted to CDC through 02/11/2014. Reports and maps only include data from this year and the 10 previous calendar years.

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Surveillance Summary of G15185

State: regbess	Family Name: EuroAmerican (L4)
County: ALL	City: NA
Region: NA	PCRType: PCR00291
Spilligotype: 7777777760700	24-locus MIRU-VNTR: 22325133224 24524224225
Date Range: 02/12/2014 - 02/12/2014	Date Type: Count Date

Time in the U.S. for Foreign-Born Cases

Time in the U.S. (years)	Regbess		Other US	
	n	%	n	%
<2	1	100.0	0	0.0
2 - 5	0	0.0	0	0.0
>5	0	0.0	0	0.0
Unknown	0	0.0	0	0.0
TOTAL	1	100.0	0	0.0

Epidemic Curve

- Histogram of TB cases of a particular genotype
 - In a specified jurisdiction (county or state)

Basic Options

Report: Select a Report
Surveillance Summary

State: Select a State
ALL

Type: G15185

PCRType: PCR00291

Run Clear

Epidemic Curve

- Curve Interval options available are quarter (default), month or Year

Basic Options

Report: Regbess

State: Select a State

County: Select a County

Type: G15185

PCRType: PCR00291

Region: Select a Region

Curve Interval: Quarter

Date Type: Quarter

Date Range: 02/12/2011 02/12/2014

Run Clear

The last TB GIMS Surveillance Upload includes data transmitted to CDC through 02/13/2014. Reports and maps only include data from this year and the 10 previous calendar years.
