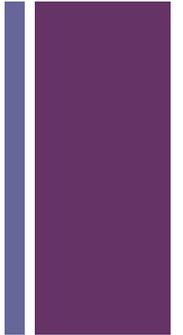




TB Surveillance Overview

Miranda Fanning
TB/HIV/STD Epidemiology and Surveillance
Group Manager

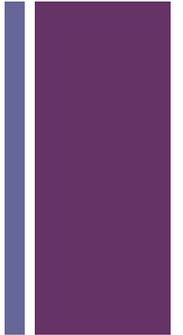
+ Overview



- Purpose/Goal of surveillance
- Reporting Authority
- Flow of Reported Case Information



Surveillance and Epidemiology



Public Health Surveillance is the **continuous, systematic collection, analysis and interpretation** of health-related data needed for **the planning, implementation, and evaluation** of public health practice.

Disease distribution is not random

+ Goals of TB Surveillance

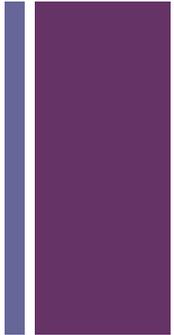
What:

- **Confirmed TB cases**
- **Suspected TB cases**
- **Contacts to TB cases**

How:

- **Complete**
- **Timely**
- **Accurate**

+ Reporting Authority



Statute (Law):

- Health and Safety Code, Chapter 13, Subchapter B;
- Health and Safety Code, Chapter 81,
- Health and Safety Code, Chapter 89;

Administrative Code (Administration of Law):

- Texas Administrative Code, Title 25, Part 1, Chapter 97, Subchapter A,
- Texas Administrative Code; Title 25, Part 1, Chapter 97, Subchapter H

+ Statute

- Health and Safety Code, Chapter 13, Subchapter B; Texas Tuberculosis Code;

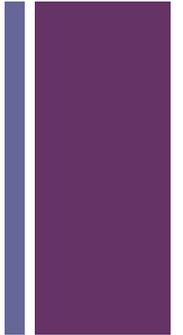
1. Enable persons with tuberculosis to obtain needed care;
2. Provide care and treatment for those persons; and
3. Facilitate their hospitalization

- Health and Safety Code, Chapter 81, Communicable Disease Prevention and Control Act

1. Requires reporting of TB events
2. Gives health departments authority to collect information

- Health and Safety Code, Chapter 89; Screening and Treatment for Tuberculosis in Jails and Other Correctional Facilities

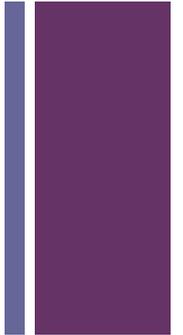
+ Texas Health and Safety Code



Full version of Health and Safety
Code available at:

<http://www.statutes.legis.state.tx.us/Docs/HS/htm/HS.81.htm>

+ Authority for Reporting TB



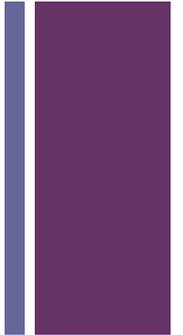
Texas Health and Safety Code, Subtitle D, Chapter 81, Subchapter C, §81.041. Reportable Diseases

- (a) The board shall identify each communicable disease or health condition that shall be reported under this chapter

...

- (c) The board shall maintain and revise as necessary the list or reportable diseases

+ Authority for Reporting TB



Texas Health and Safety Code, Subtitle D, Chapter 81, Subchapter C, §81.042. Persons Required to Report

- (a) A report under Subsection (b), (c), or (d) shall be made to the local health authority.
- (b) A dentist or veterinarian licensed to practice in this state or a **physician shall report, after the first professional encounter, a patient** or animal examined **that has or is suspected of having a reportable disease**

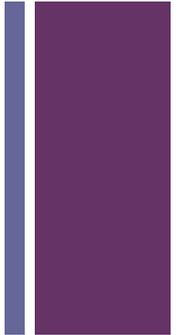


Authority for Reporting TB

Texas Health and Safety Code, Subtitle D, Chapter 81, Subchapter C, §81.042. Persons Required to Report

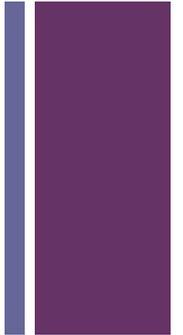
...

- (d) A person in charge of **a clinical or hospital laboratory, blood bank, mobile unit, or other facility in which a laboratory examination** of a specimen derived from a human body yields microscopical, cultural, serological, or other evidence of a reportable disease shall report the findings, in accordance with this section and procedures adopted by the board, in the jurisdiction in which:
 - (1) the physician's office is located, if the laboratory examination was requested by a physician; or
 - (2) the laboratory is located, if the laboratory examination was not requested by a physician.





Authority for Reporting TB



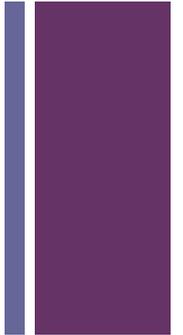
Texas Health and Safety Code, Subtitle D, Chapter 81, Subchapter C, §81.042. Persons Required to Report

- (e) The following persons shall report **to the local health authority or the department a suspected case of a reportable disease and all information known concerning the person who has or is suspected of having the disease** if a report is not made as required by Subsections (a)-(d):
 - (1) a professional registered nurse;
...
 - (7) a superintendent, manager, or health official of a public or private camp, home, or institution;
...
 - (9) a health professional;
 - (10) an administrator or health official of a penal or correctional institution;

+ Administrative Code

- Texas Administrative Code, Title 25, Part 1, Chapter 97, Subchapter A
 - Outlines **Who, What, When, Where** and **How** to report
 - Provides additional information on quarantine, control measures and notification
 - Specifies confidentiality of patient information
- Texas Administrative Code; Title 25, Part 1, Chapter 97, Subchapter H
 - Establishes regulations for screening and treatment for tuberculosis in jails and other correctional facilities

+ Texas Administrative Code



Full version of Texas Administrative Code available at:

[http://texreg.sos.state.tx.us/public/readtac\\$ext.ViewTAC?tac_view=4&ti=25&pt=1&ch=97](http://texreg.sos.state.tx.us/public/readtac$ext.ViewTAC?tac_view=4&ti=25&pt=1&ch=97)



Who Shall Report

Texas Administrative Code, Title 25,
Part 1, Chapter 97, Subchapter A, §97.2

- Provides similar information to what's included in the Texas Health and Safety Code
- Provides additional specification on entities who shall report communicable diseases



What & How to Report: Texas Administrative Code, Title 25, Part 1, Chapter 97, Subchapter A, §97.3

- (B) for **tuberculosis disease**:
 - complete name
 - date of birth
 - physical address and county of residence,
 - information on which diagnosis was based or suspected.
 - If known, radiographic or diagnostic imaging results and date(s);
 - all information necessary to complete the most recent versions of forms **TB 400 A & B** (Report of Case and Patient Services), **TB 340** (Report of Contacts) and **TB 341** (Continuation of Report of Contacts);



What & How to Report: Texas Administrative Code, Title 25, Part 1, Chapter 97, Subchapter A, §97.3

Continued tuberculosis disease...

- **laboratory results** used to guide prescribing, monitoring or modifying antibiotic treatment regimens for tuberculosis to include, but not limited to, liver function studies, renal function studies, and serum drug levels;
- **pathology reports** related to diagnostic evaluations of tuberculosis;
- reports of **imaging** or **radiographic** studies;



What & How to Report: Texas Administrative Code, Title 25, Part 1, Chapter 97, Subchapter A, §97.3

Continued tuberculosis disease...

- records of **hospital or outpatient care** to include, but not limited to:
 - histories and physical examinations, discharge summaries and progress notes;
 - records of medication administration to include, but not limited to, directly observed therapy (DOT) records, and drug toxicity and monitoring records;
- a listing of **other patient medications** to evaluate the potential for drug-drug interactions; and
- copies of court documents related to **court ordered management of tuberculosis.**



What & How to Report: Texas Administrative Code, Title 25, Part 1, Chapter 97, Subchapter A, §97.3

- (C) for **contacts** to a known case of tuberculosis:
 - complete name;
 - date of birth;
 - physical address;
 - county of residence;
 - and all information necessary to complete the most recent versions of forms **TB 400 A & B** (Report of Case and Patient Services), **TB 340** (Report of Contacts), and **TB 341** (Continuation of Report of Contacts);



What & How to Report: Texas Administrative Code, Title 25, Part 1, Chapter 97, Subchapter A, §97.3

- (D) for other persons identified with **latent TB infection**:
 - complete name;
 - date of birth;
 - physical address and county of residence; and
 - diagnostic information



When to Report

Texas Administrative Code, Title 25,
Part 1, Chapter 97, Subchapter A, §97.4

- (2) The following notifiable conditions shall be reported within **one working day** of identification as a suspected case: brucellosis, hepatitis A (acute), influenza-associated pediatric mortality, perinatal hepatitis B, pertussis, Q fever, poliovirus infection, non-paralytic, rubella (including congenital), **tuberculosis**, *Vibrio* infection (including cholera).



Where to Report

Texas Administrative Code, Title 25,
Part 1, Chapter 97, Subchapter A, §97.5

- (1)... **local health authority** where the office, clinic, hospital, or school is located.
- If there is no local health authority appointed for the jurisdiction where the office, clinic, hospital, or school is located, the report shall be made to the **Department of State Health Services (department) regional director**.
- Public health emergencies shall be reported to the department's central office if the local health authority or the department's regional director is not immediately accessible.





Applicable TB reporting forms

The screenshot shows the Texas Department of State Health Services website. At the top left is the logo with the text "TEXAS Department of State Health Services". To the right is a search bar with a magnifying glass icon and the word "Advanced". Further right are links for "Inicio en español" and "Text Size: + -". Below the search bar is a navigation menu with links for "Home", "About Us", "News", "I am a...", "I want to...", "Resources", and "Find Services".

The main content area has a breadcrumb trail: "Home > TB-HIV-STD and Viral Hepatitis Unit > TB Forms". Below this is the heading "TB Forms" and a sub-heading "Types of Forms". A list of eight items follows:

1. [Clinical Care](#)
2. [Correctional Facilities](#)
3. [Reporting](#)
4. [Court-Ordered Management \(Quarantine\)](#)
5. [Cohort Review](#)
6. [Congregate Settings](#)
7. [Phlebotomy Training](#)
8. [User Guides \(TX PHIN\)](#) **NEW!**

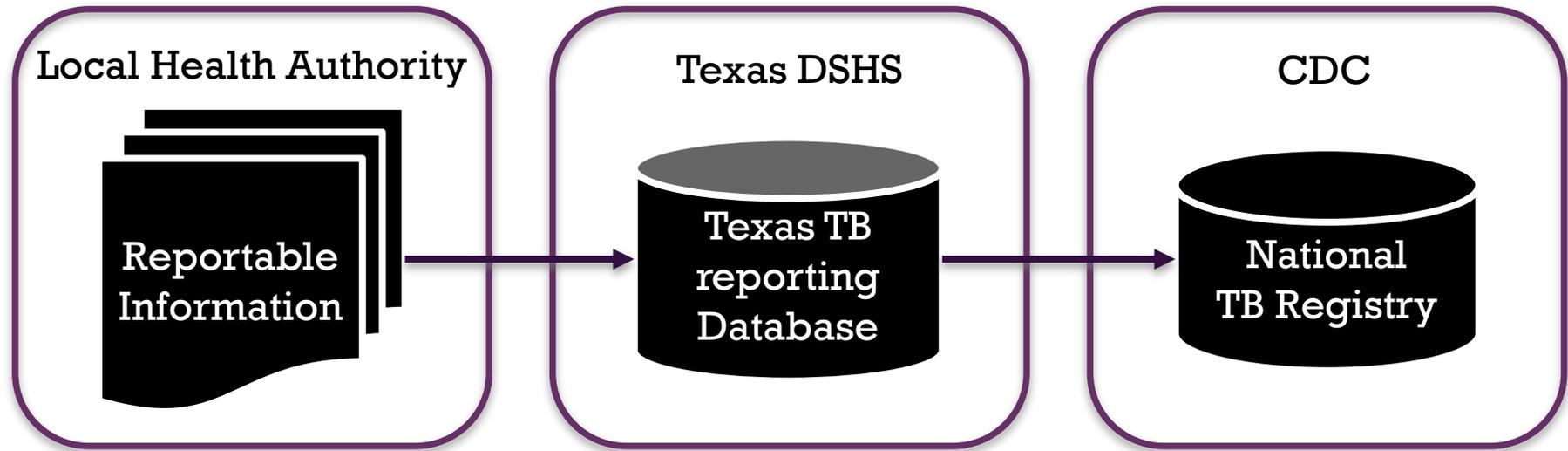
Below the list is a link for "Medicaid Provider Application" with a PDF icon and the text "(253 KB)".

On the left side, there is a vertical menu with links: "IDCU Home", "Infectious Diseases A-C", "D-G", "H-L", "M-Q", "R-S", "T-Z", "IDCU Health Topics", "Disease Reporting", "Related Rules & Regulations", "Immunization Branch", "About IDCU", "Related DSHS Sites", "Staff Contact List", and "Contact Us".

On the right side, there is a vertical menu with links: "TB Home", "About Us", "FAQs", "TB Forms", "TB Control Standards", "Statistics", "Presentations", "Links", and "TB/HIV/STD and Viral Hepatitis Unit". Below this menu is a "Sign up for e-mail updates" button and a box titled "TB Cases in Selected Counties 2014" with a red bar at the bottom.

<http://www.dshs.state.tx.us/idcu/disease/tb/forms/>

Overview: Surveillance Information Flow



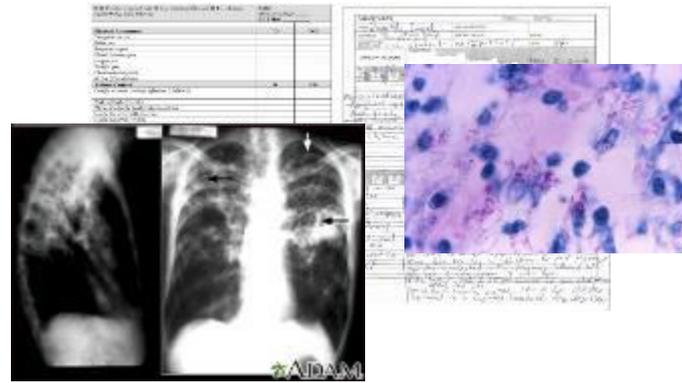
- Collects & transfers information to TB surveillance reporting forms
- Sends forms to Central office for entry

- Review information for completeness, accuracy, & case definition
- Enter information into data system
- Report to CDC

- Create national dataset of all TB cases
- Provide feedback to states

Case Scenario: Surveillance Information Flow

Correctional Facility



Local Health Authority



Report of Case and Future Services
Texas Department of Health
Subdivisions Epidemiology Division

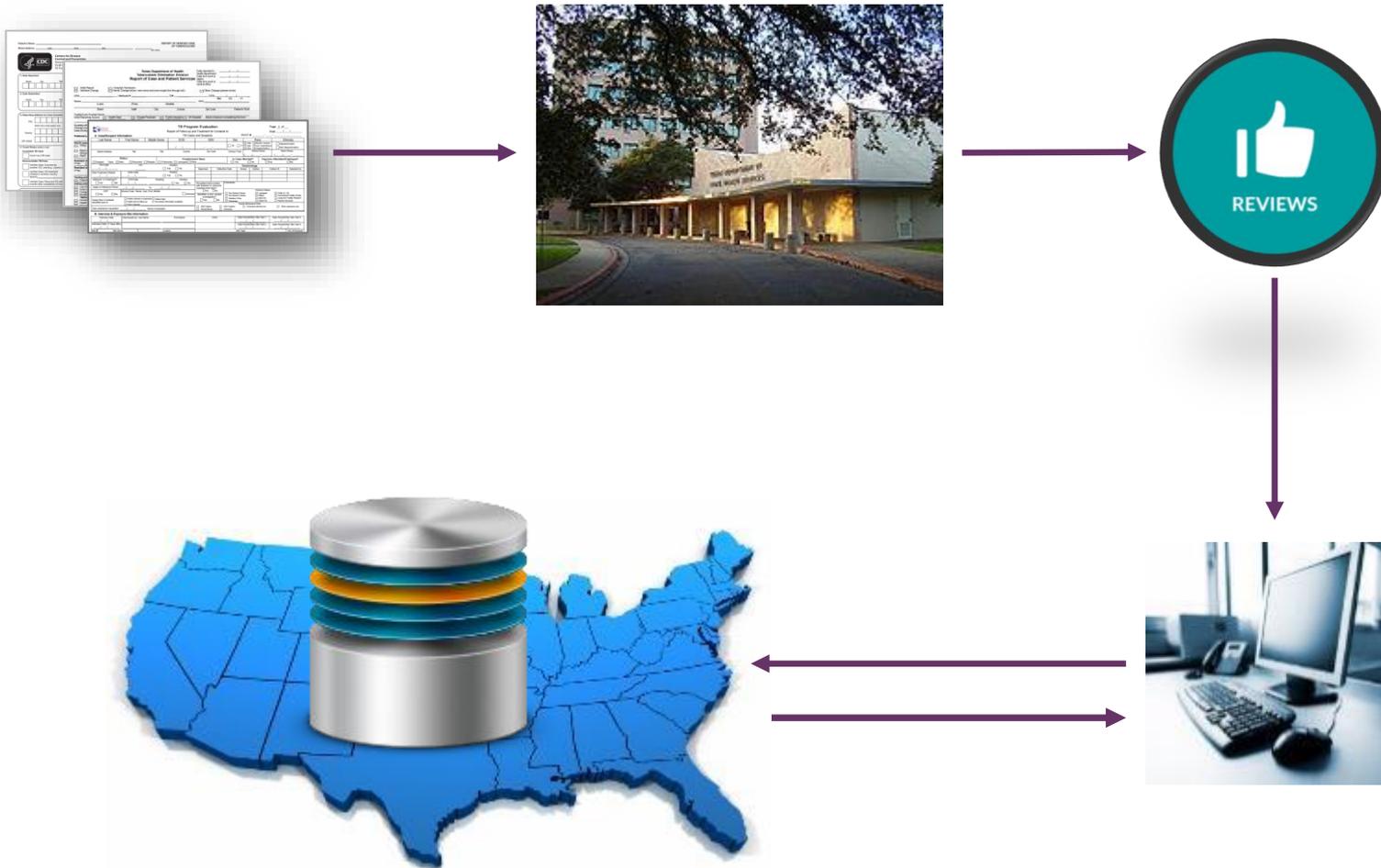
A. New Report

B. Patient Information

C. TB Program Evaluation

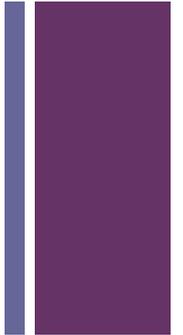
D. Intervention & Exposure Site Information

+ Case Scenario: Surveillance Information Flow





In Conclusion...



- Cases (suspected and confirmed), contacts and LTBI's are reportable conditions in Texas
- TB Surveillance works to ensure:
 - Complete
 - Timely
 - Accurate reporting
- For questions about reporting, contact our office or your local health authority

+ Questions

