TEXAS
Health and Human Services

Texas Department of State Health Services

Tuberculosis and Hansen's Disease Unit
NEDSS Tuberculosis (TB) Training Course
for
Public Health Regions and Local Health Departments (R/LHDs)

January 2024

Course Number 2:
TB Investigations Overview

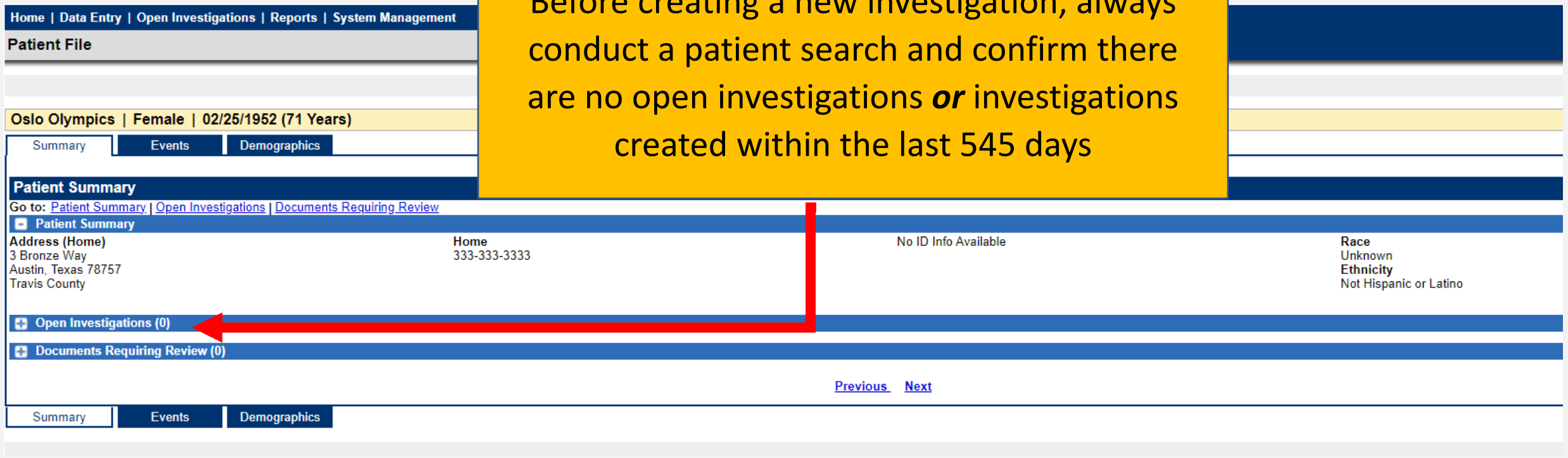
After completing this course, you should be able to:

- Create an Investigation;
- Know when to create a TB (2020 RVCT) Investigation versus a TB Infection (2020 TBLISS) Investigation; and
- Understand the Tabs within TB and LTBI Investigations.

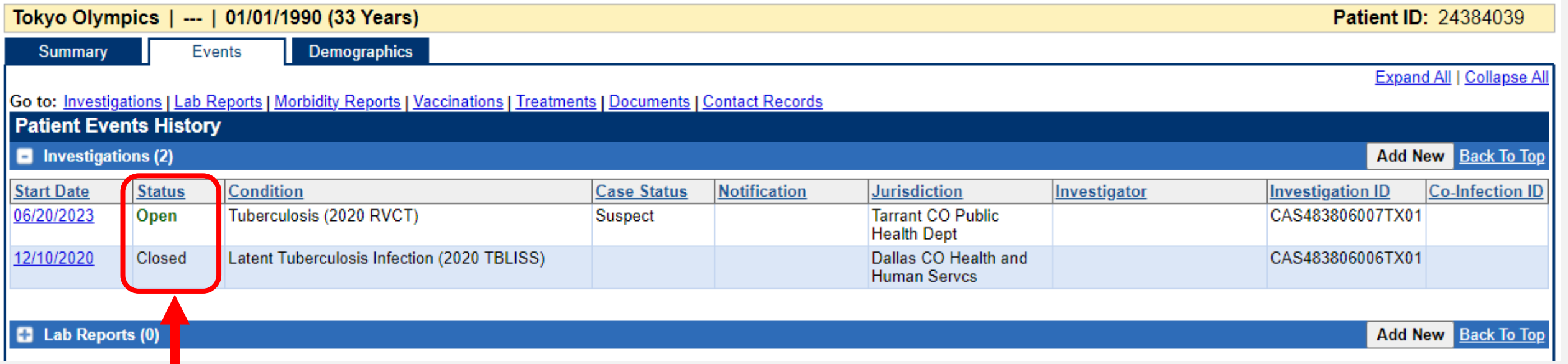
Creating TB and LTBI Investigations

Creating a New Investigation

Before creating a new investigation, always conduct a patient search and confirm there are no open investigations ***or*** investigations created within the last 545 days



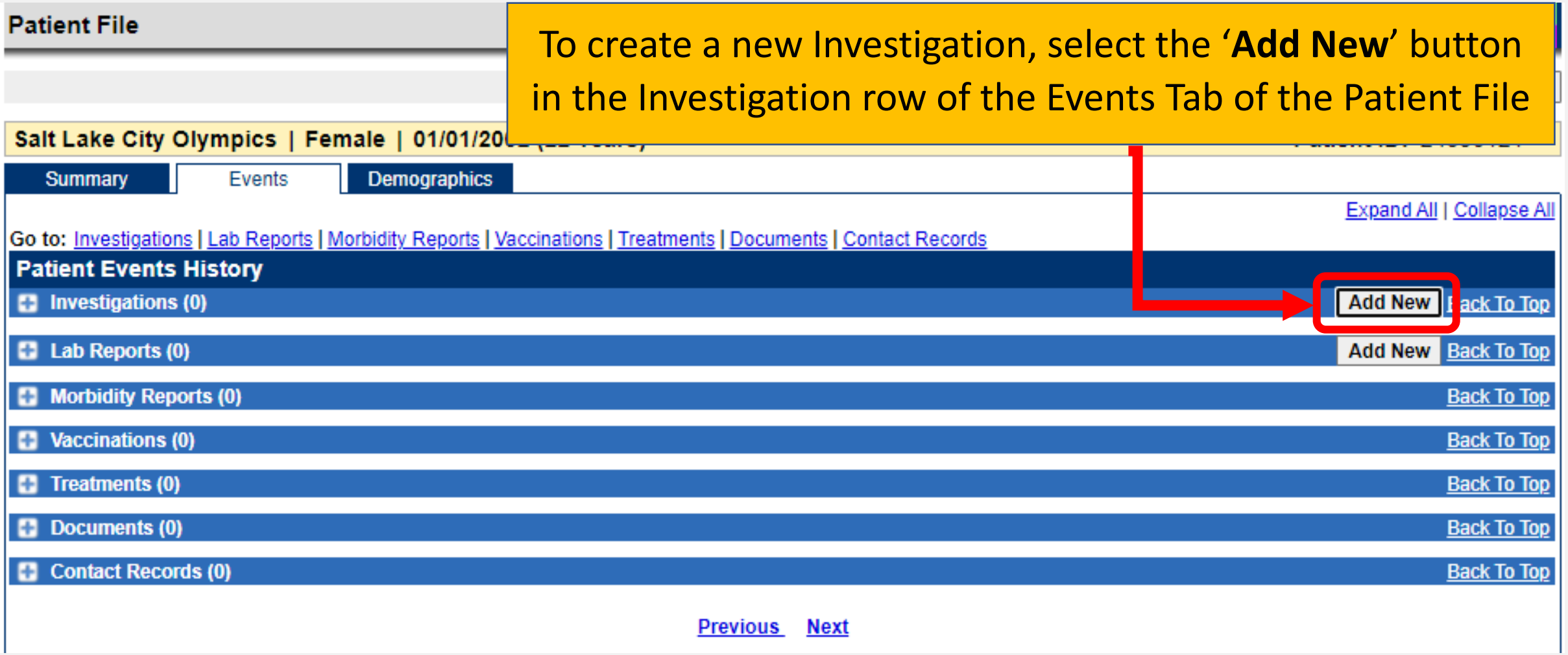
Open and Closed Investigations



Open Investigations can be viewed on the Summary and Events Tabs.

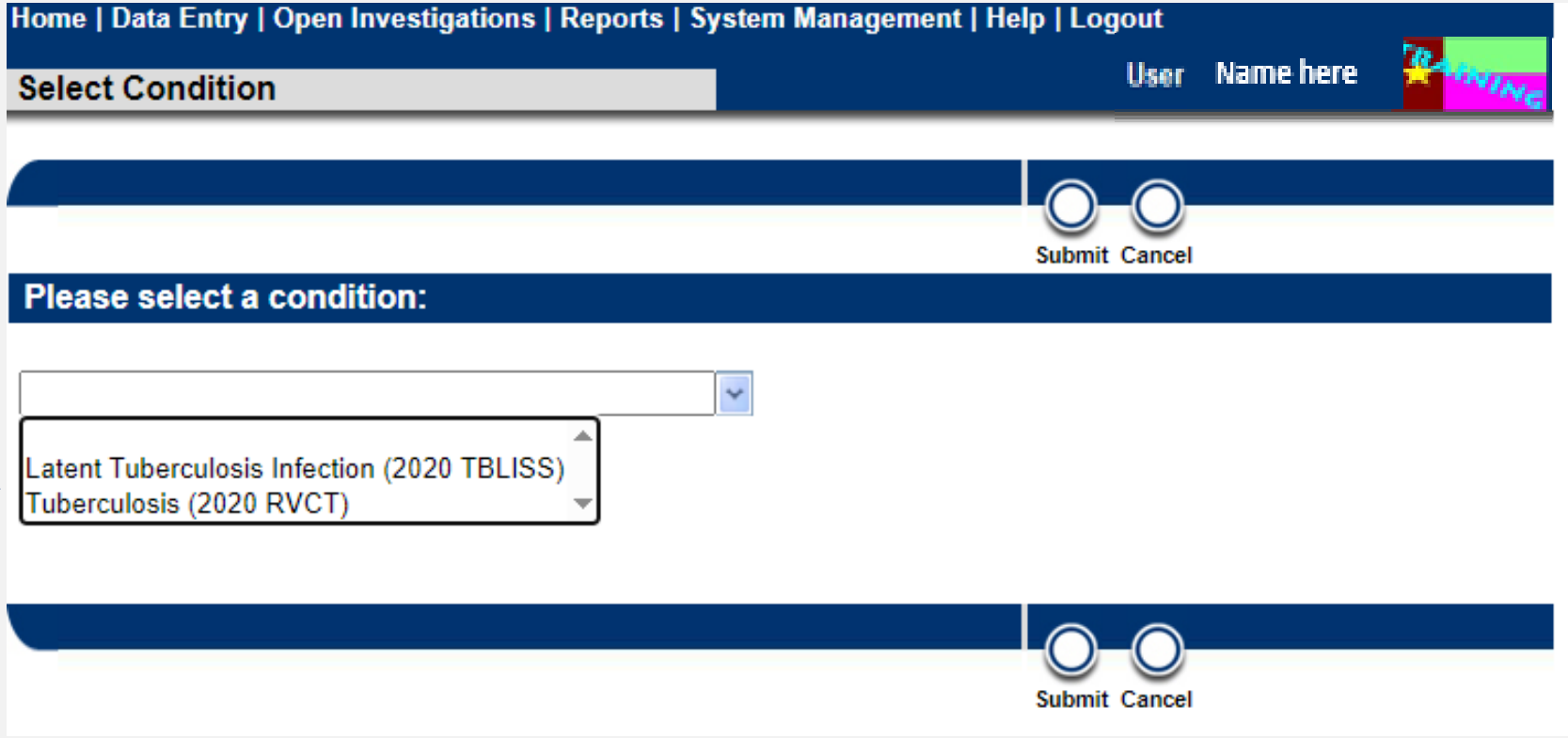
Closed Investigations can only be viewed on the Events Tab.

Creating a New Investigation



Selecting a Condition

The first step in creating a new investigation is selecting a ***Condition***



Selecting the Right TB Condition

Users have two TB conditions to choose from when creating a new TB investigation:

- Latent Tuberculosis Infection (2020 TBLISS) ***or***
- Tuberculosis (2020 RVCT).

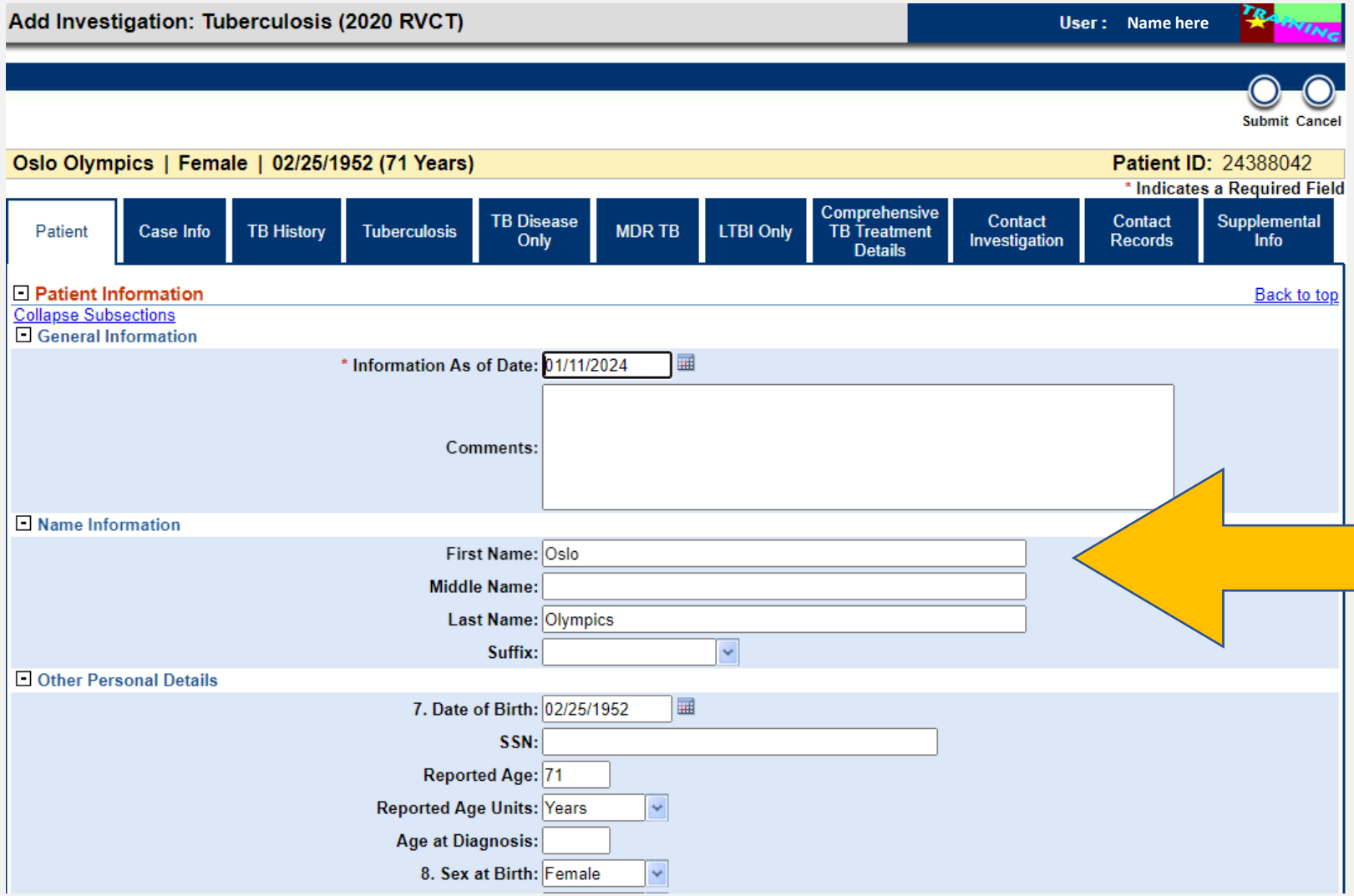
Always create a <u>Tuberculosis (2020 RVCT)</u> investigation *unless*:

The patient has *confirmed* latent TB infection (LTBI) when creating the investigation.

If so, select Latent Tuberculosis Infection (2020 TBLISS).

Remember: The Tuberculosis (2020 RVCT) condition may apply to *many different patients such as*: patients with confirmed TB disease, suspected TB disease, contacts who do not have a diagnosis of latent TB infection, and others entered due to a TB screening.

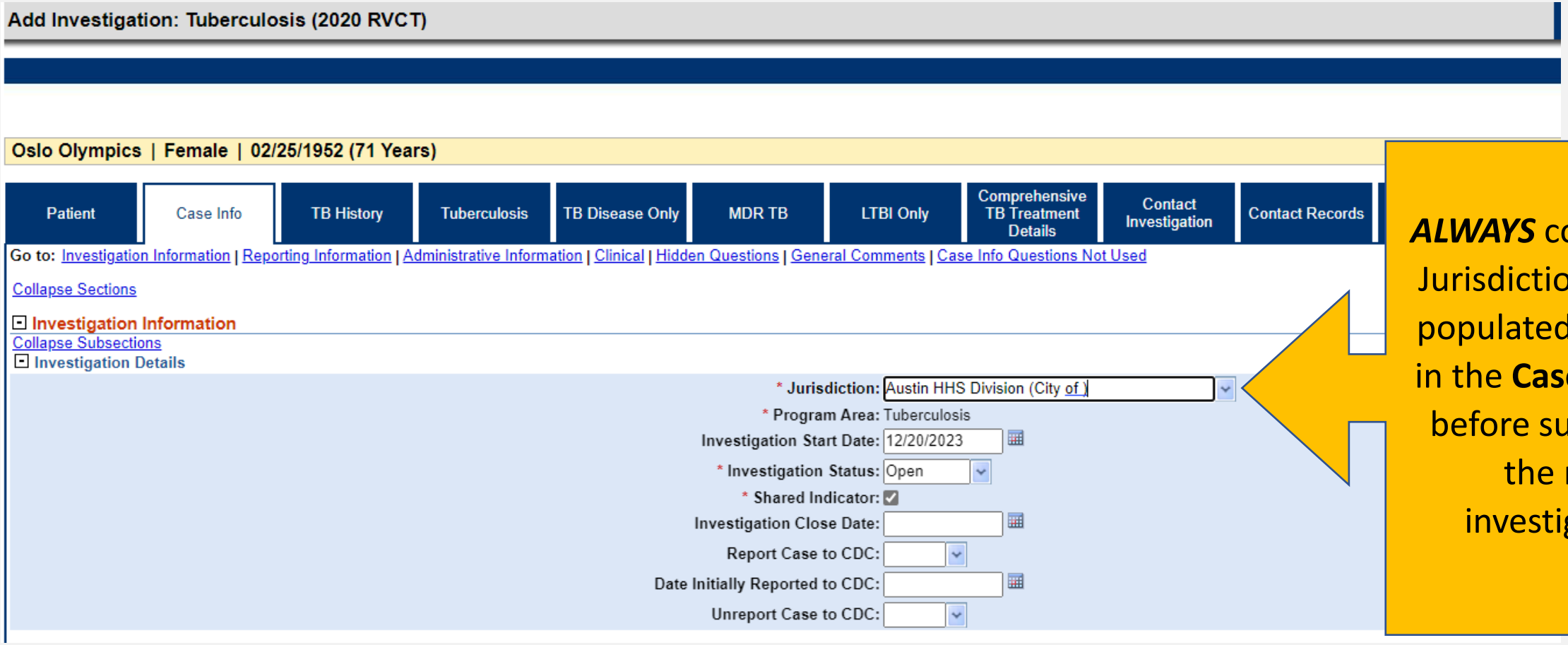
Creating a New Investigation: Review Patient Tab



After selecting the condition and pressing submit, the **Add Investigation** page will open to the **Patient Tab**.

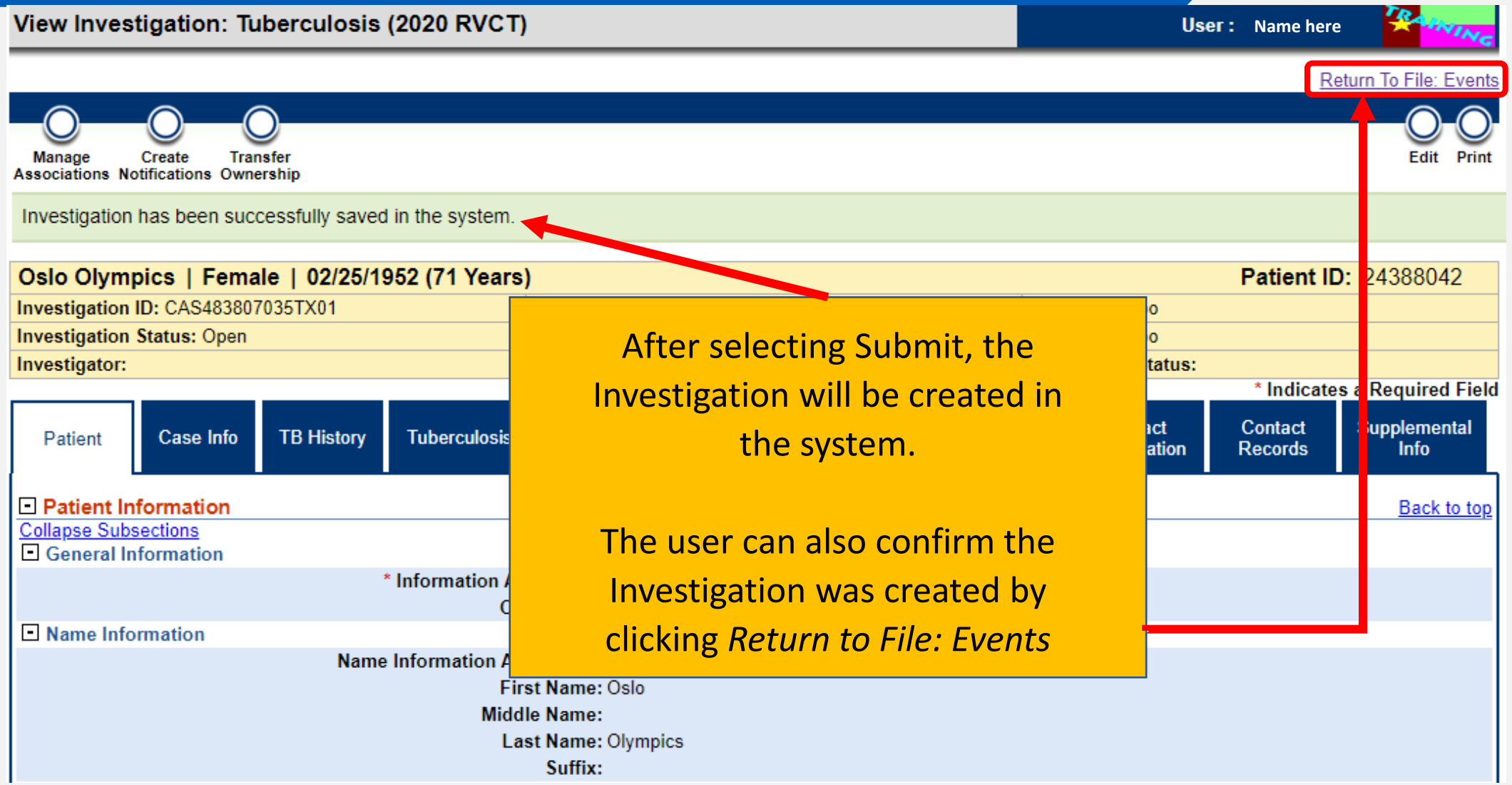
Demographic information from the Patient File will auto-populate. Verify the information in the Patient Tab.

Creating a New Investigation: Verify Jurisdiction



ALWAYS confirm the Jurisdiction is auto-populated correctly in the **Case Info Tab** before submitting the new investigation.

Creating a New Investigation: Success!



After selecting Submit, the Investigation will be created in the system.

The user can also confirm the Investigation was created by clicking *Return to File: Events*

Where to View the New Investigation

Oslo Olympics | Female | 02/25/1952 (71 Years) **Patient ID:** 24388042

Summary | Events | Demographics

Expand All | Collapse All

Patient Summary

Go to: Patient Summary | Open Investigations | Documents Requiring Review

Patient Summary Back To Top

Address (Home)
3 Bronze Way
Austin, Texas 78757
Travis County

Home
333-333-3333

No ID Info Available

Race
Asian, Black or African American
Ethnicity
Not Hispanic or Latino

Open Investigations (1) Back To Top

Start Date	Conditions	Case Status	Notification	Jurisdiction	Investigator	Investigation ID	Co-Infection ID
12/20/2023	Tuberculosis (2020 RVCT)	Suspect		Austin HHS Division (City of)		CAS483805480TX01	

The Investigation will now be listed on the **Summary** and **Events** Tabs of the Patient File.

Oslo Olympics | Female | 02/25/1952 (71 Years) **Patient ID:** 24388042

Summary | Events | Demographics

Expand All | Collapse All

Go to: Investigations | Lab Reports | Morbidity Reports | Vaccinations | Treatments | Documents | Cont

Patient Events History

Investigations (2) Add New Back To Top

Start Date	Status	Condition	Case Status	Notification	Jurisdiction	Investigator	Investigation ID	Co-Infection ID
12/20/2023	Open	Tuberculosis (2020 RVCT)	Suspect		Austin HHS Division (City of)		CAS483805480TX01	
12/20/2020	Closed	Latent Tuberculosis Infection (2020 TBLISS)			Austin HHS Division (City of)		CAS483805450TX01	

Addressing Changes in TB or LTBI Diagnosis

There are two instances when the current TB condition may need to be updated:

An investigation is created as TB (2020 RVCT) and the patient is later diagnosed with LTBI during the same episode

OR

An investigation created as LTBI (2020 TBLISS) and the patient later develops TB disease during the same episode

When this occurs, users should contact their TB Unit Surveillance Case Consultant for assistance

Demo Part 1

Creating an Investigation

https://vimeo.com/901264705/21ddfc18f8?share=copy

Course Number 2, Demonstration Part 1:
Creating an Investigation

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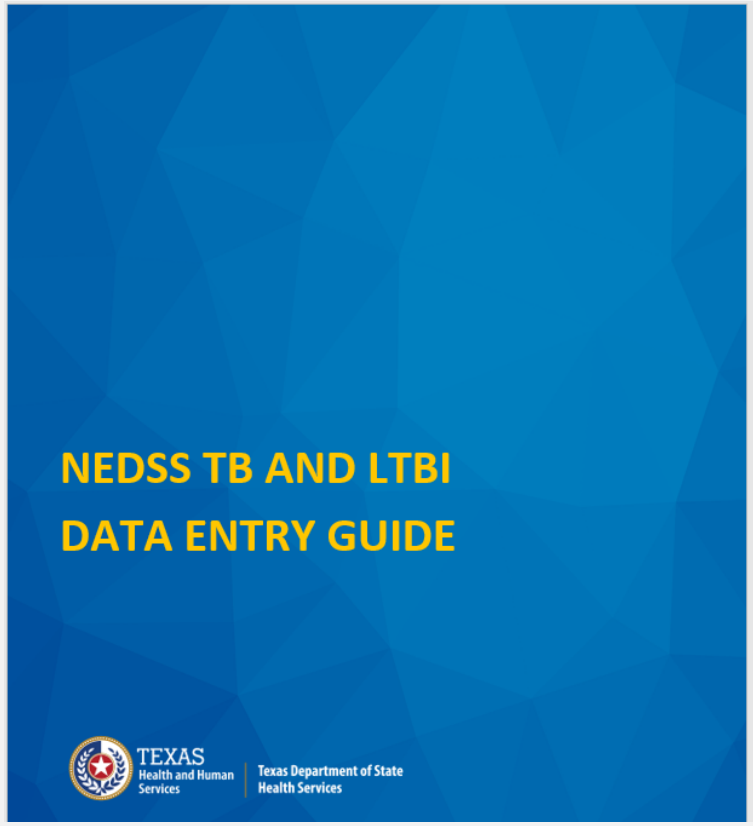
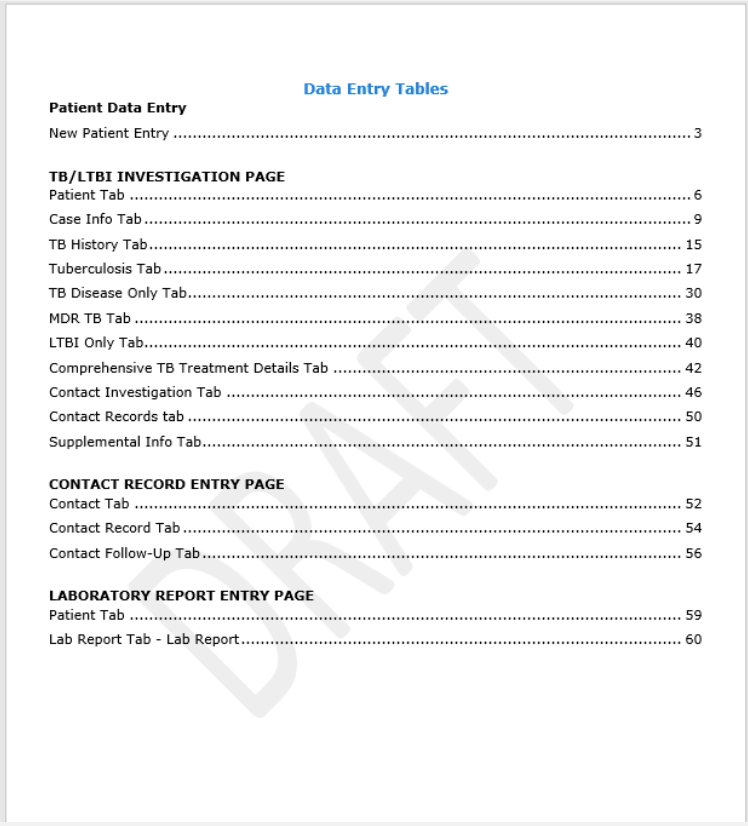
Public Health Regions and Local Health Departments (P/LHDs)
Texas Department of State Health Services

Practice/Break

NEDSS TB Data Entry Guide

The NEDSS TB and LTBI Data Entry Guide will contain detailed explanation of how to enter information and offer variable definitions.





Data Entry Tables

Patient Data Entry
New Patient Entry 3

TB/LTBI INVESTIGATION PAGE
Patient Tab 6
Case Info Tab 9
TB History Tab 15
Tuberculosis Tab 17
TB Disease Only Tab 30
MDR TB Tab 38
LTBI Only Tab 40
Comprehensive TB Treatment Details Tab 42
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Contact Records tab 50
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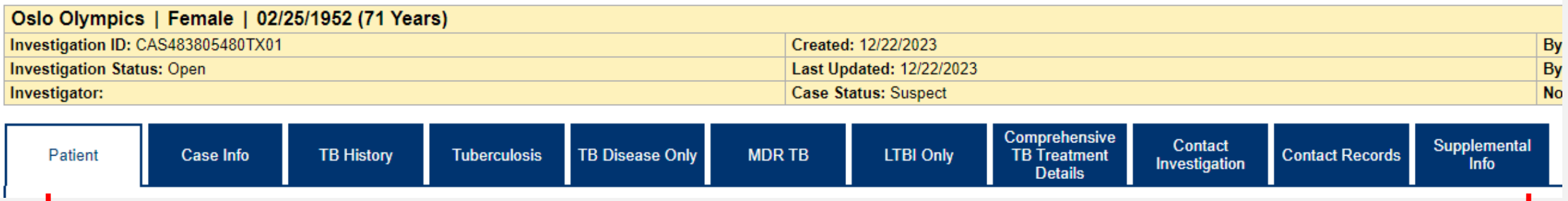
CONTACT RECORD ENTRY PAGE
Contact Tab 52
Contact Record Tab 54
Contact Follow-Up Tab 56

LABORATORY REPORT ENTRY PAGE
Patient Tab 59
Lab Report Tab - Lab Report 60

DRAFT

Overview of the Tabs in TB Investigations

Overview of Tabs



There are **11 tabs** within a TB Investigation.

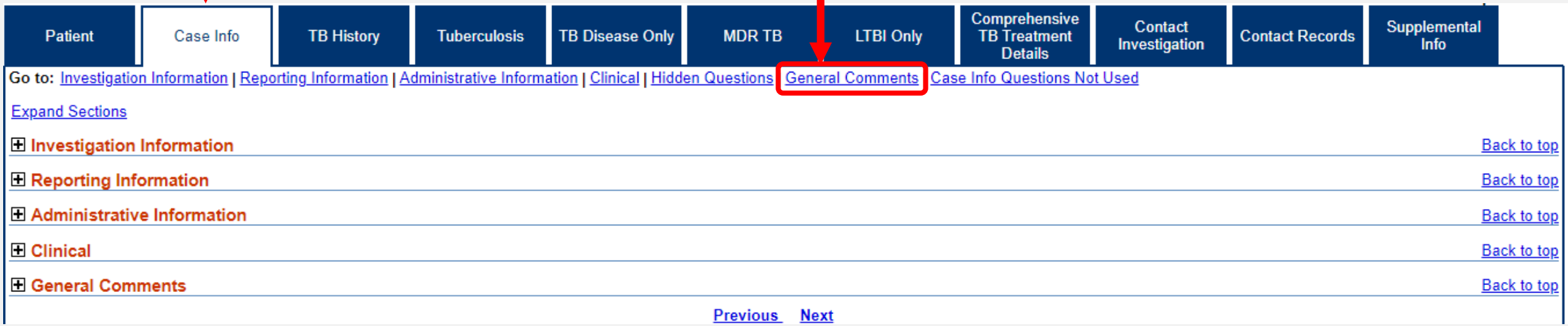
In a Tuberculosis (2020 RVCT) Investigation the LTBI Only Tab cannot be edited.

In a Latent Tuberculosis Infection (2020 TBLISS) Investigation the TB Disease Only and MDR Tabs cannot be edited.

Overview of Tabs

The tab the user is actively working in will have a white background.

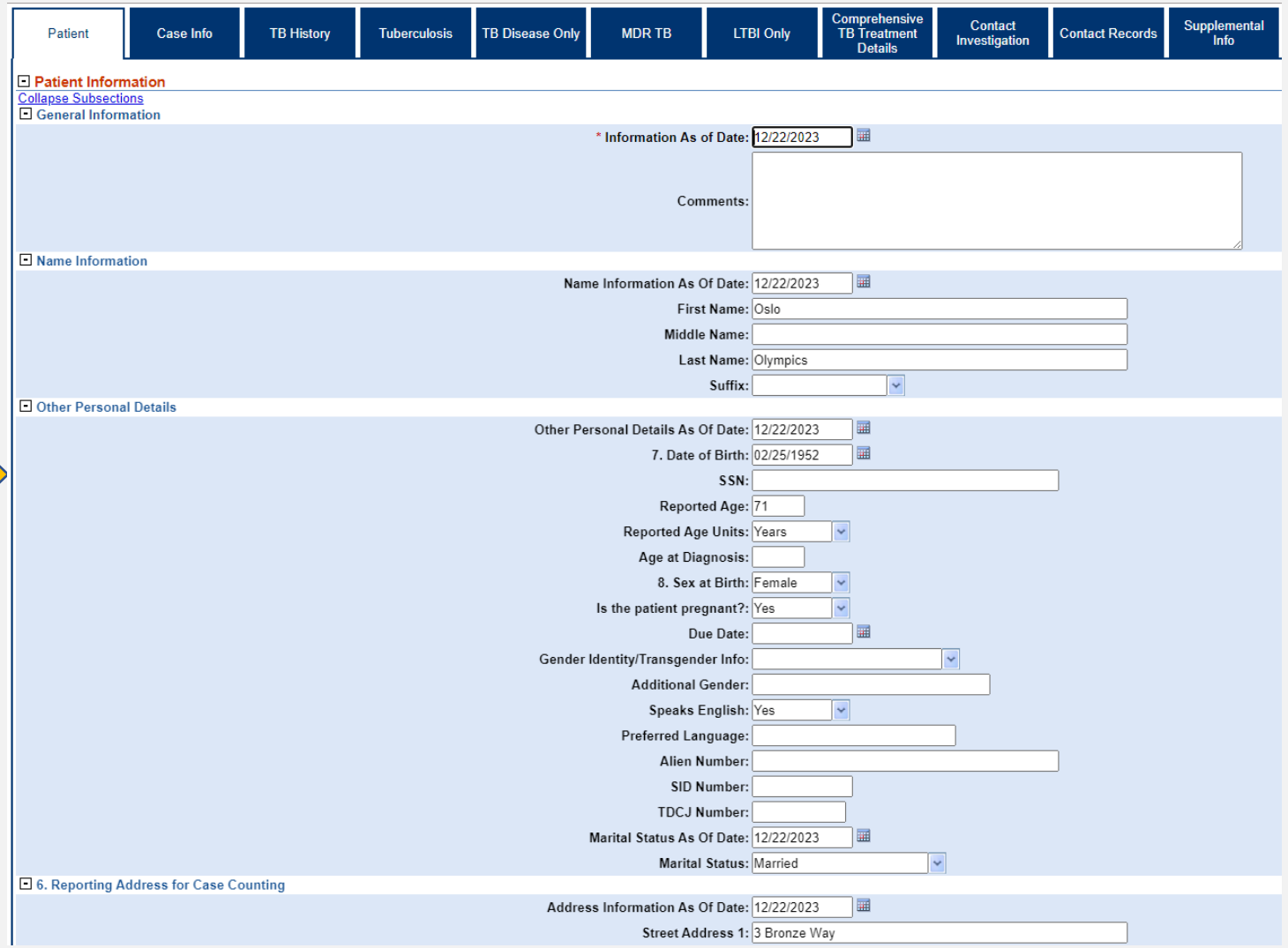
The hyperlink section headers are listed below the tab and can be used to navigate directly to specific sections within the tab.



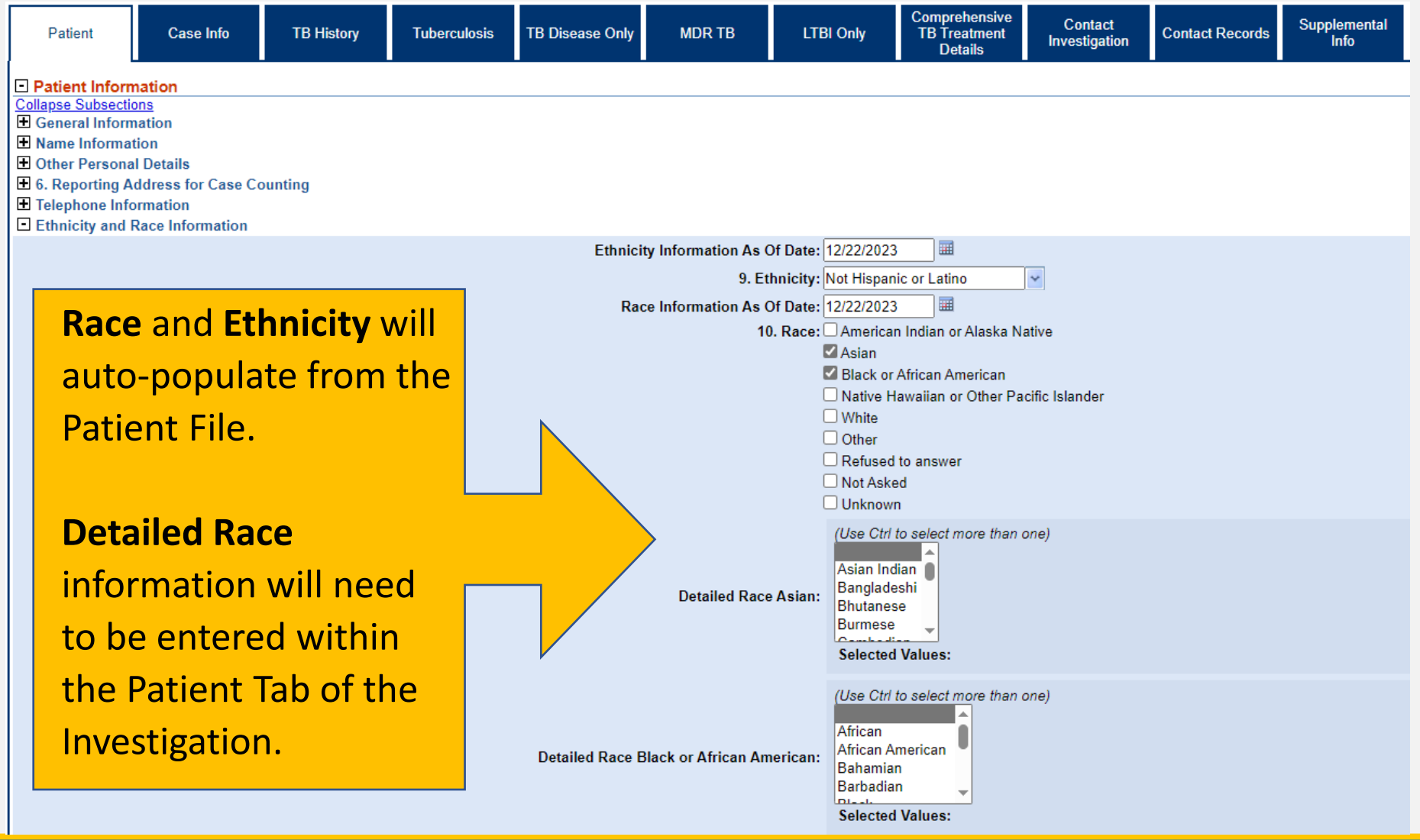
Patient Tab

The **Patient Tab** contains demographic and other personal information.

Most questions in this tab auto-populate from the Patient File.



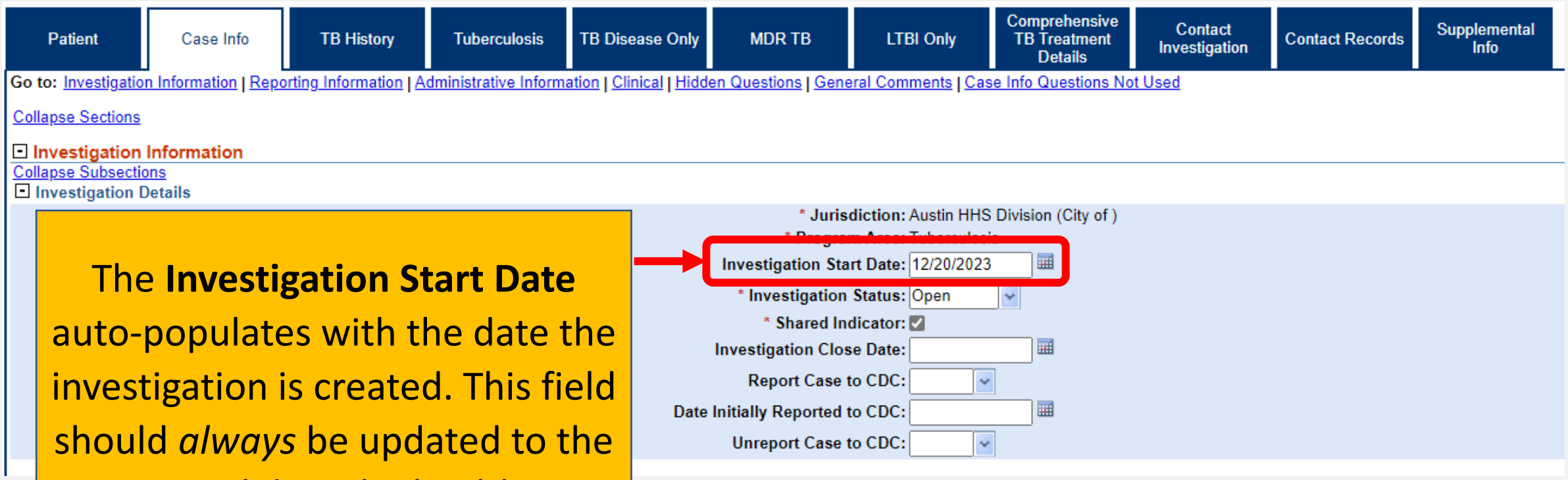
Patient Tab



Race and **Ethnicity** will auto-populate from the Patient File.

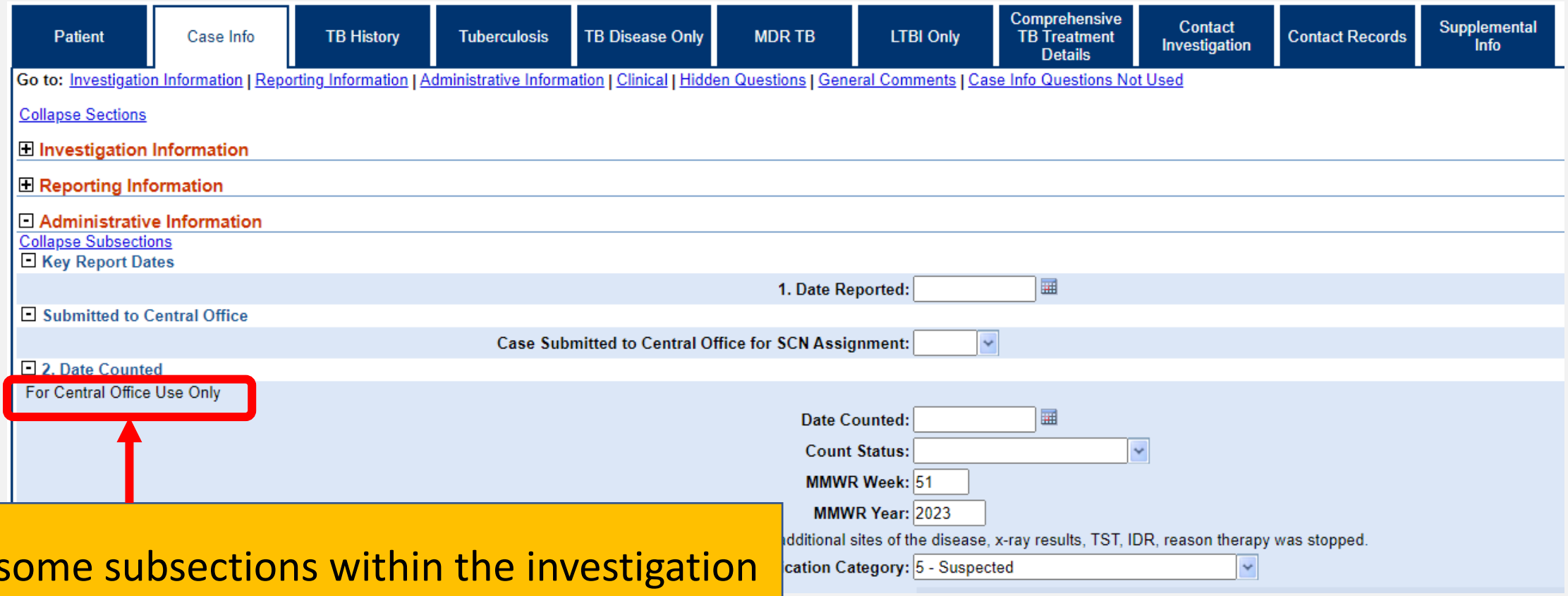
Detailed Race information will need to be entered within the Patient Tab of the Investigation.

Case Info Tab



The **Investigation Start Date** auto-populates with the date the investigation is created. This field should *always* be updated to the actual date the health department started working on the investigation.

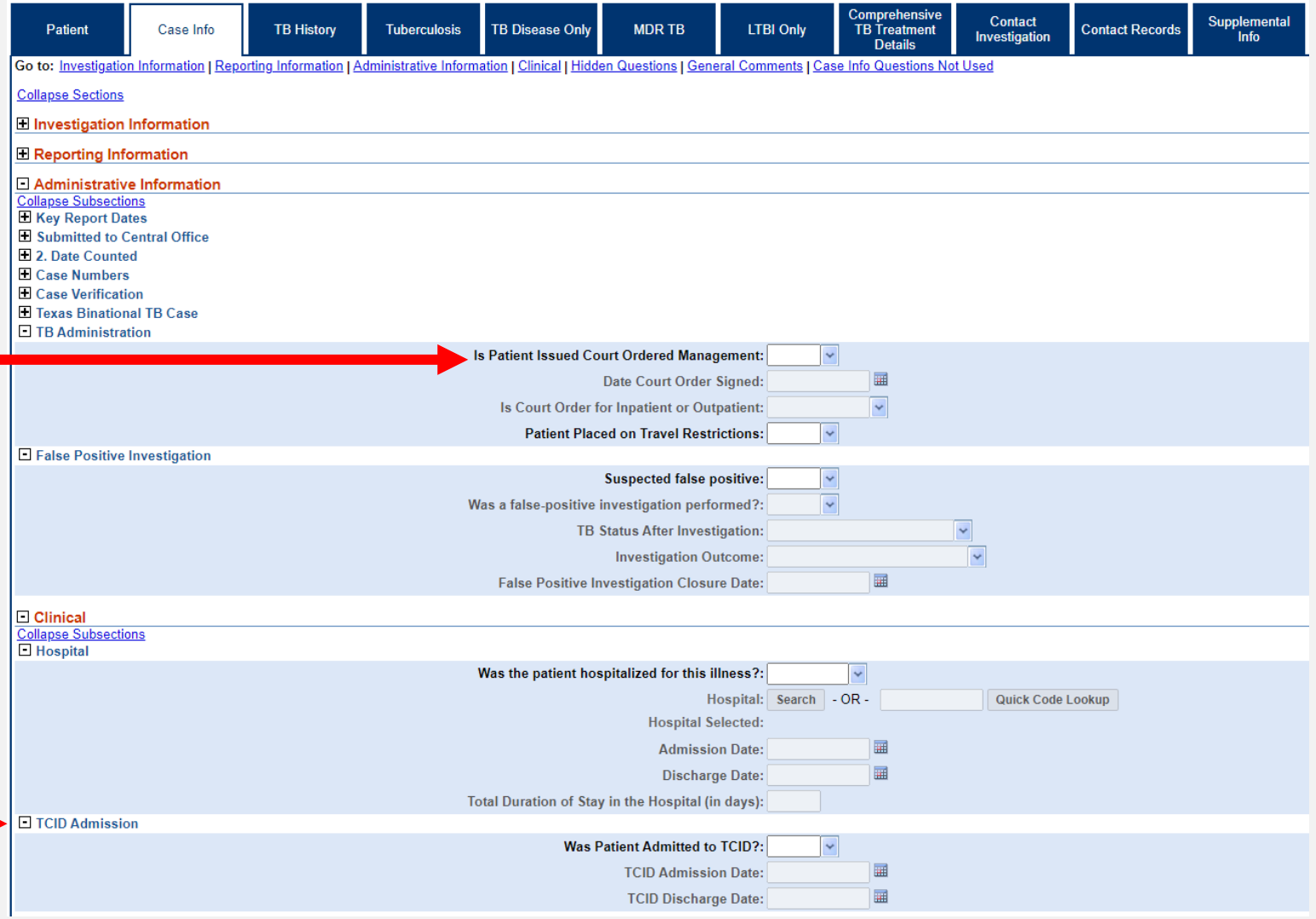
Case Info Tab



Note some subsections within the investigation are **For Central Office Use Only**. Do not enter, edit, or delete information in such questions.

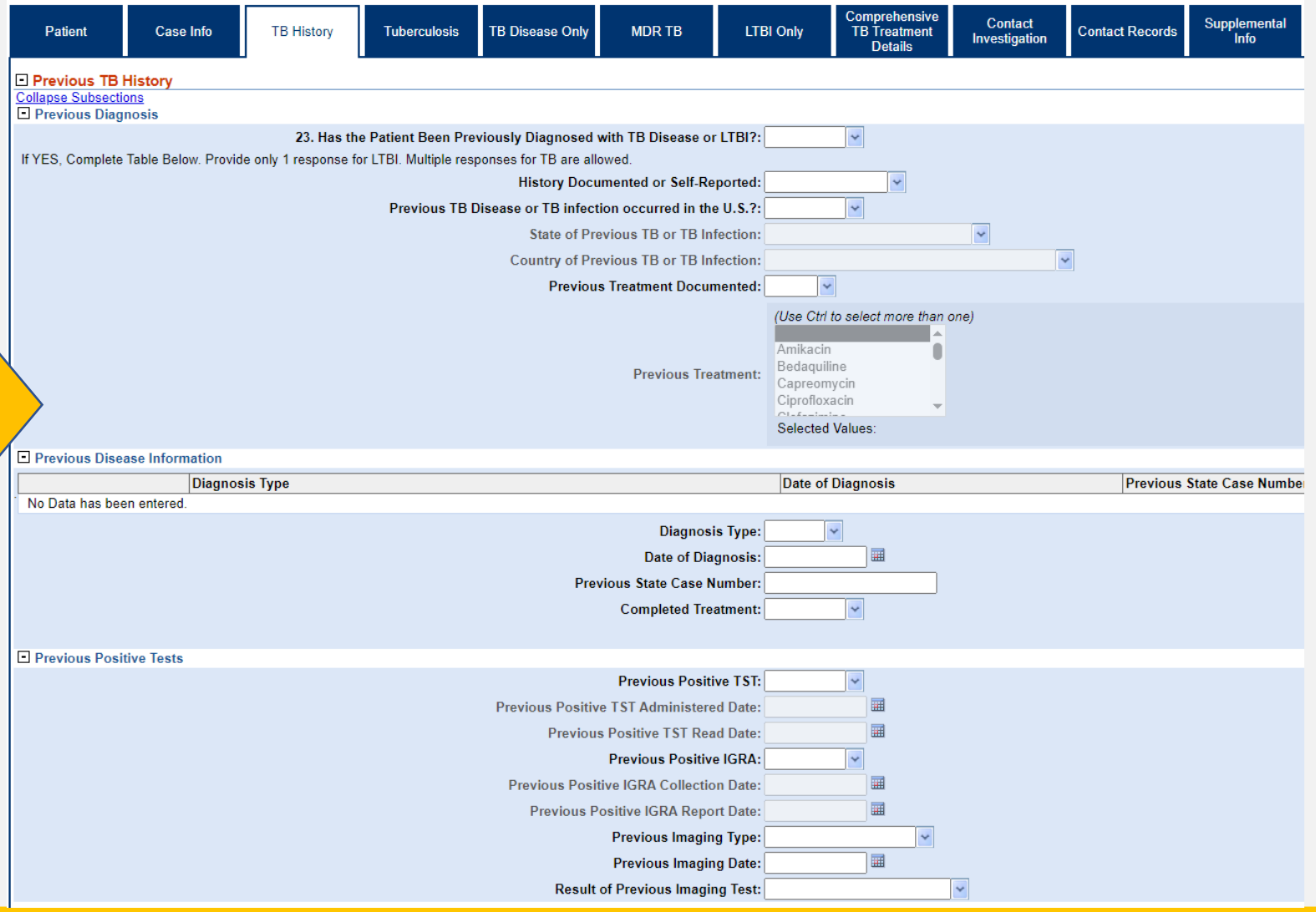
Case Info Tab

The Case Info Tab contains fields to enter information regarding *Court Ordered Management* and *TCID Admission*



TB History Tab

The **TB History Tab** contains information on previous TST and IGRA results, previous chest imaging, and previous TB or LTBI diagnoses.



Demo Part 2

Patient, Case Info, and TB History Tabs

https://vimeo.com/901264733/75e43627a5?share=copy

Course Number 2, Demonstration Part 2:
Patient, Case Info, and TB History Tabs

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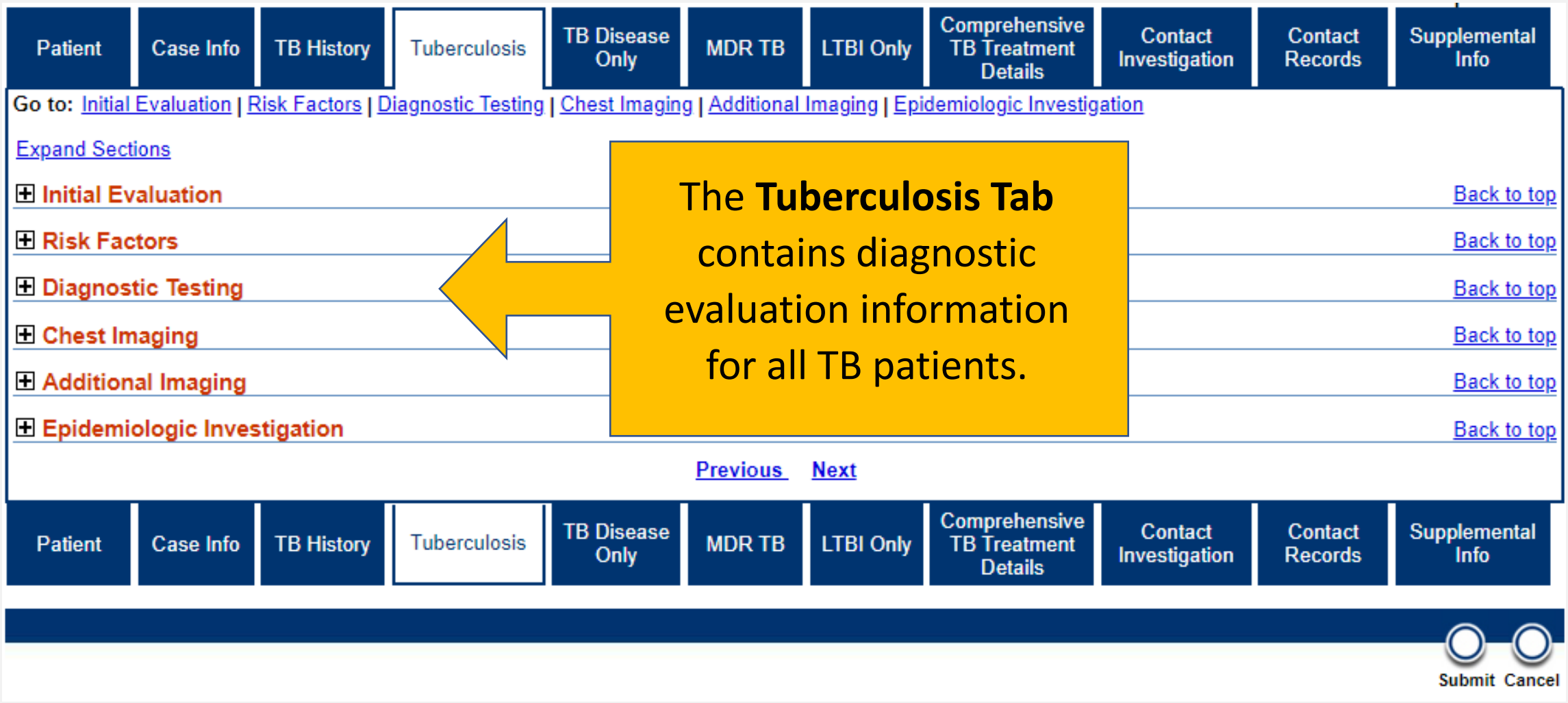
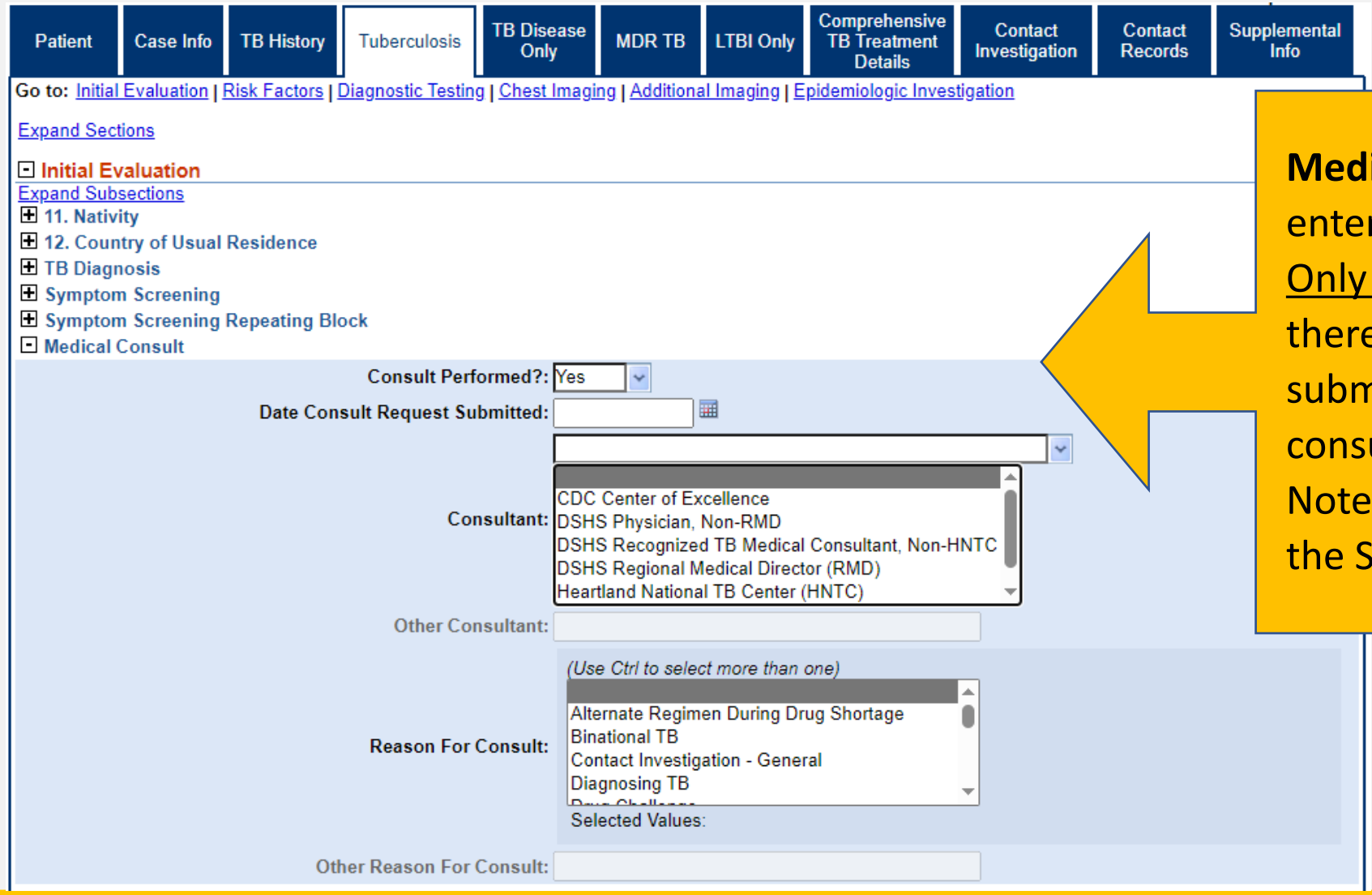
Public Health Regions and Local Health Departments (P/LHDs)
Texas Department of State Health Services

Tuberculosis Tab

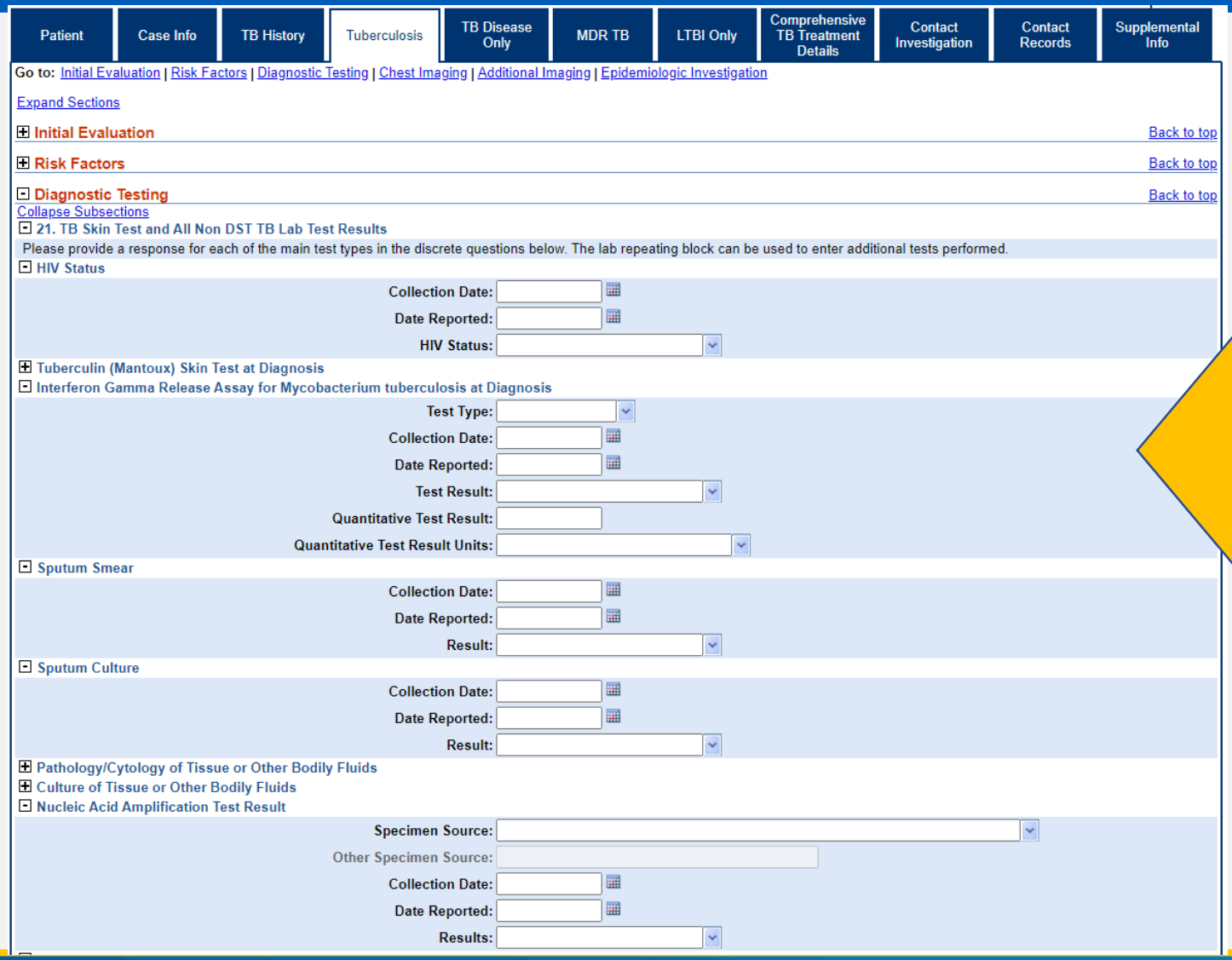


Tuberculosis Tab



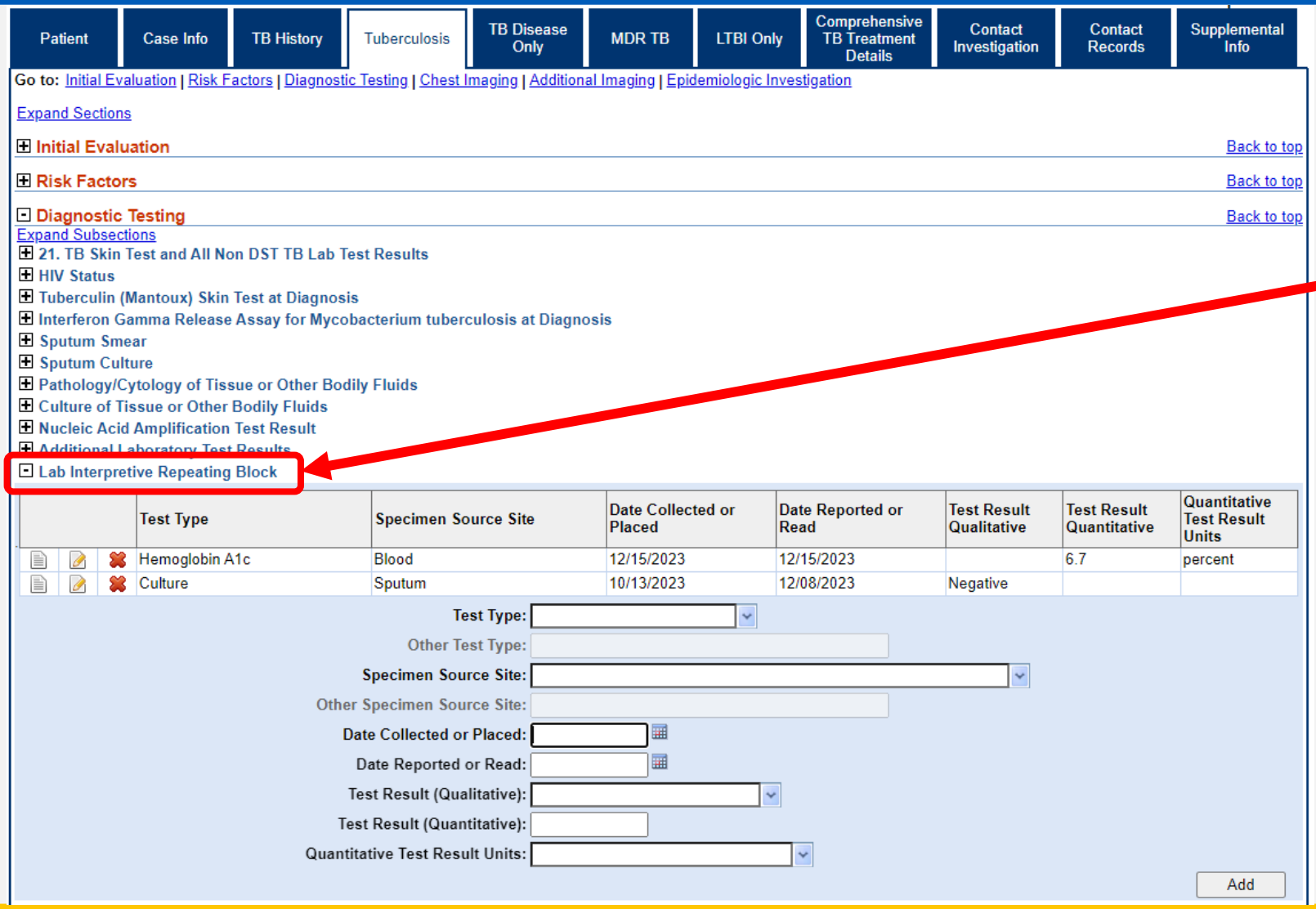
Medical Consultations should be entered in the Tuberculosis Tab. Only one consult can be entered, therefore enter the first consult submitted. Additional consultations can be entered in the Notes or Attachments Section of the Supplemental Info Tab

Tuberculosis Tab



Within the **Diagnostic Testing** section of the **Tuberculosis Tab**, the first lab result significant to the TB diagnosis must be entered in the discrete questions for all suspected (ATS-5) and confirmed TB cases (ATS-3).

Tuberculosis Tab

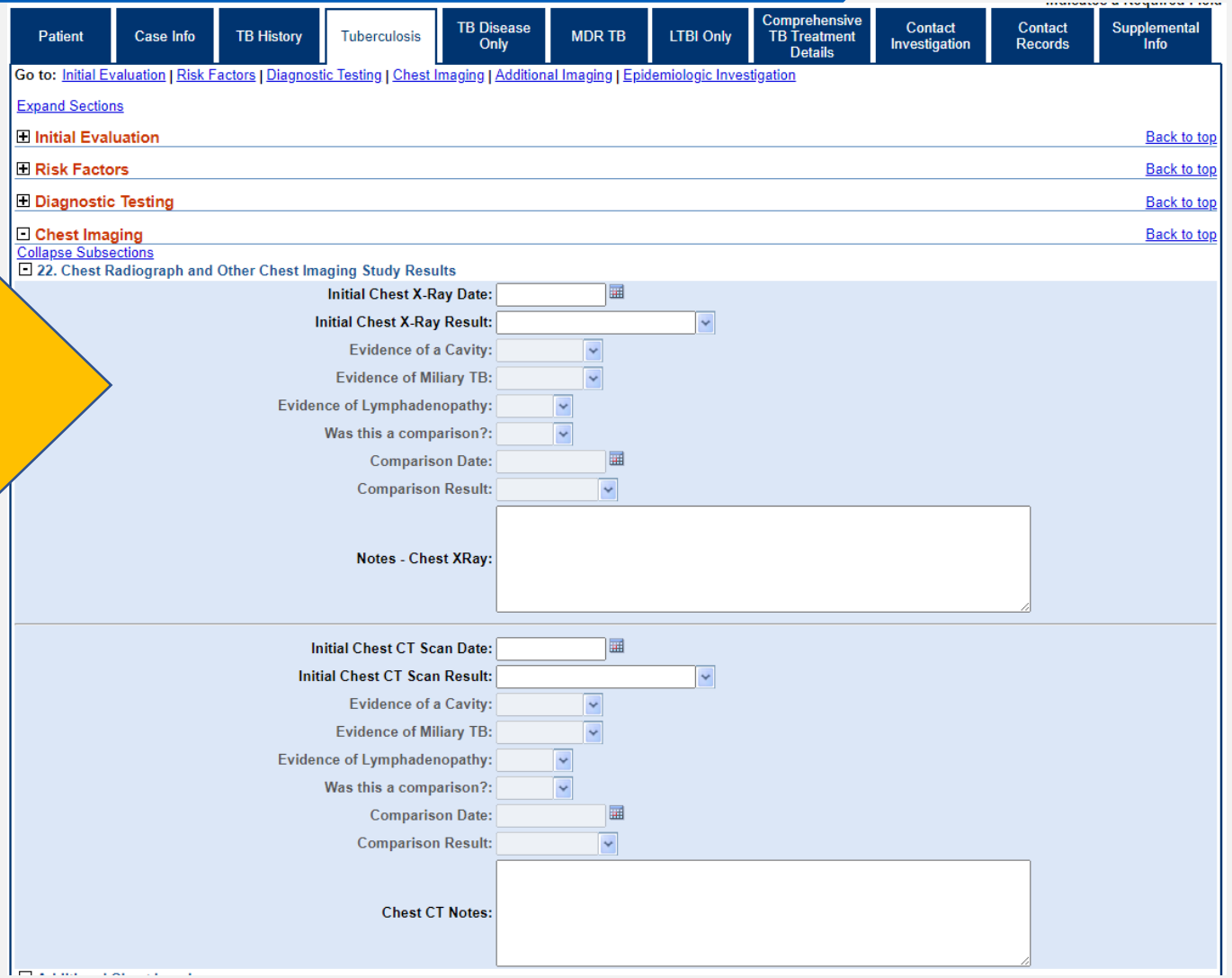


Additional or new lab results should be entered in the **Lab Interpretive Repeating Block.**

The first negative smear and/or culture used to confirm sputum smear and/or culture conversion should be entered in the Lab Interpretive Repeating Block.

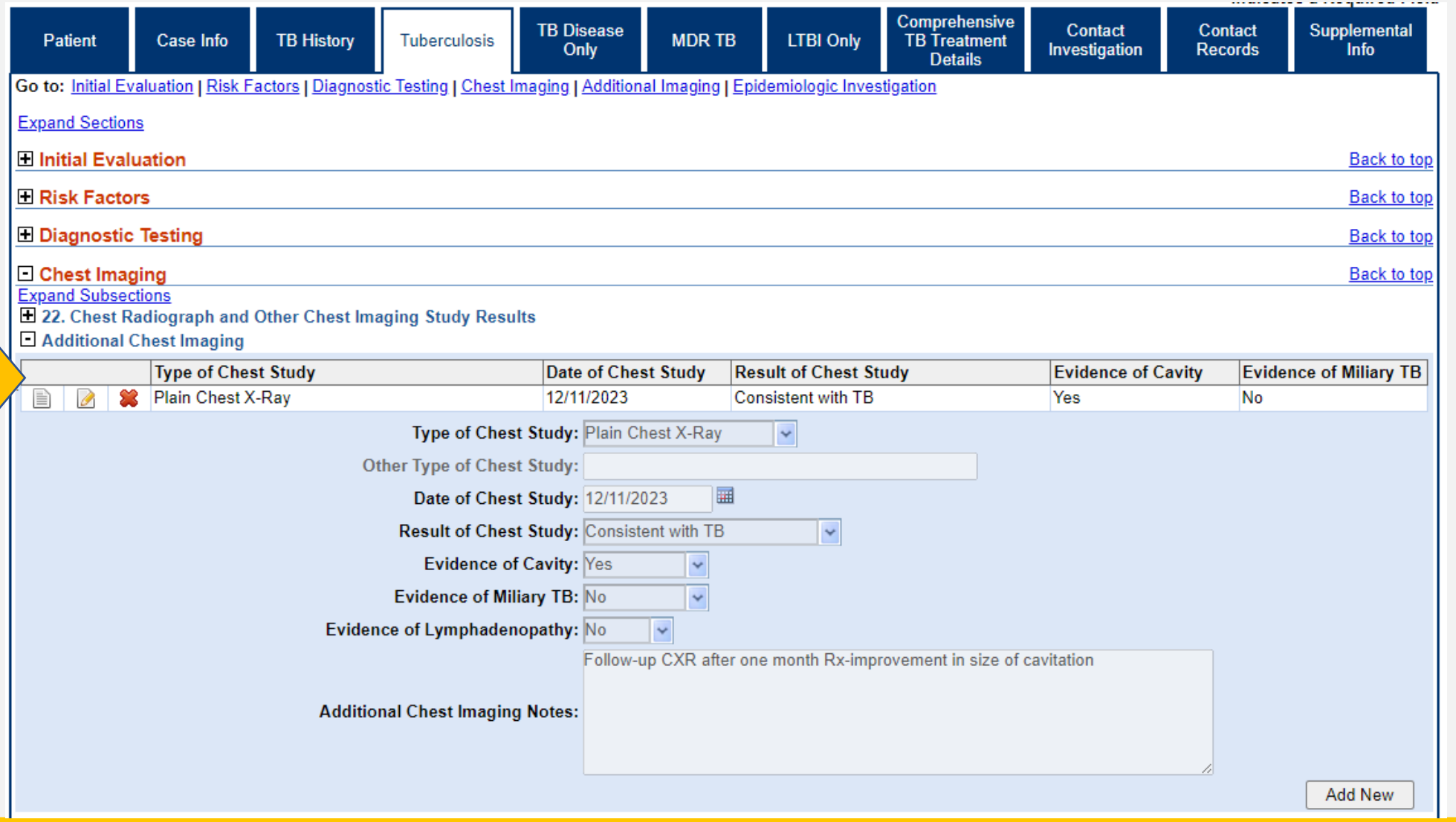
Tuberculosis Tab

The first Chest X-Ray and Chest CT Imaging result significant to the TB diagnosis must be entered in the **Chest Radiograph and Other Chest Imaging Study Results** subsection for all suspected (ATS-5) and confirmed TB cases (ATS-3).



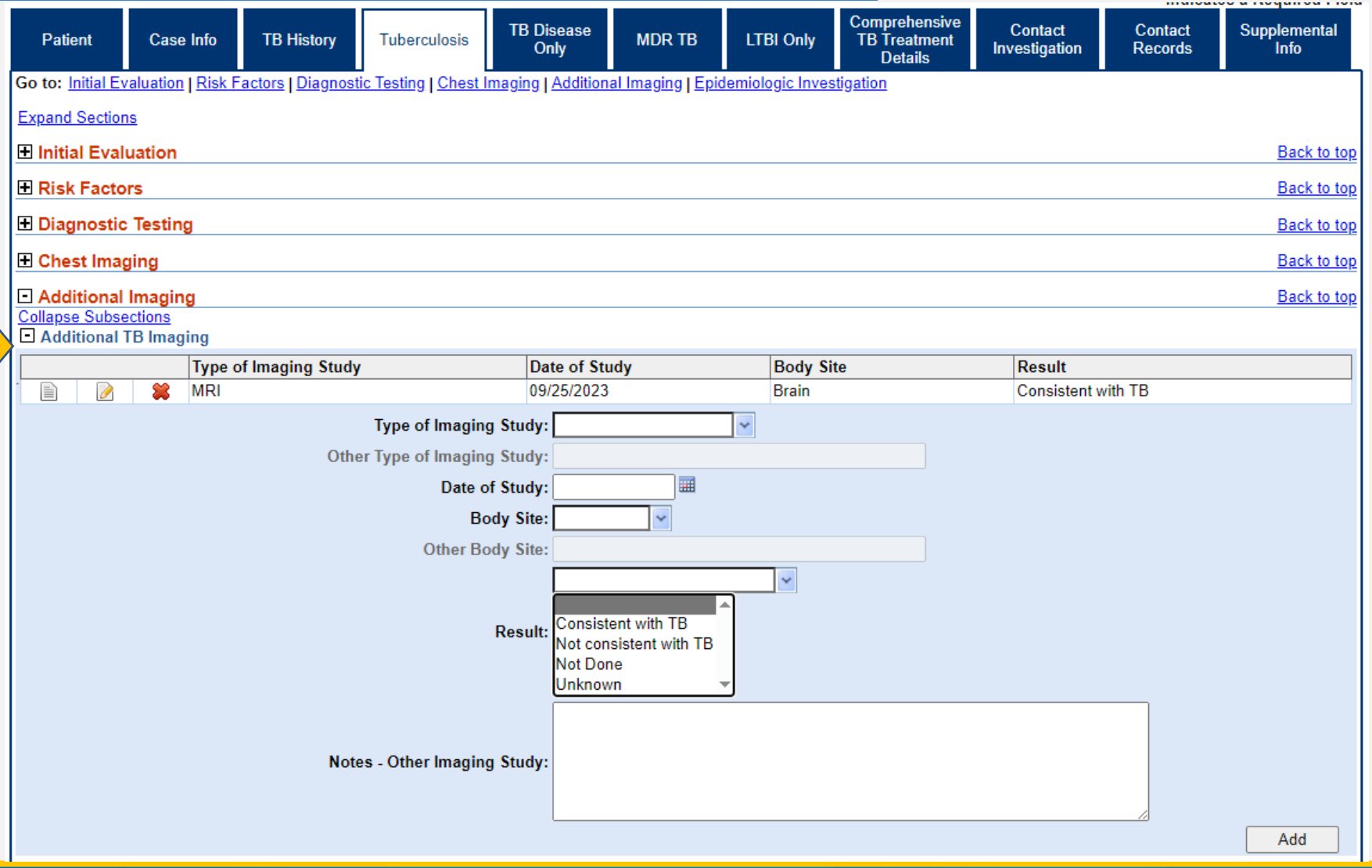
Tuberculosis Tab

Additional chest imaging studies should be entered in the **Additional Chest Imaging** subsection.

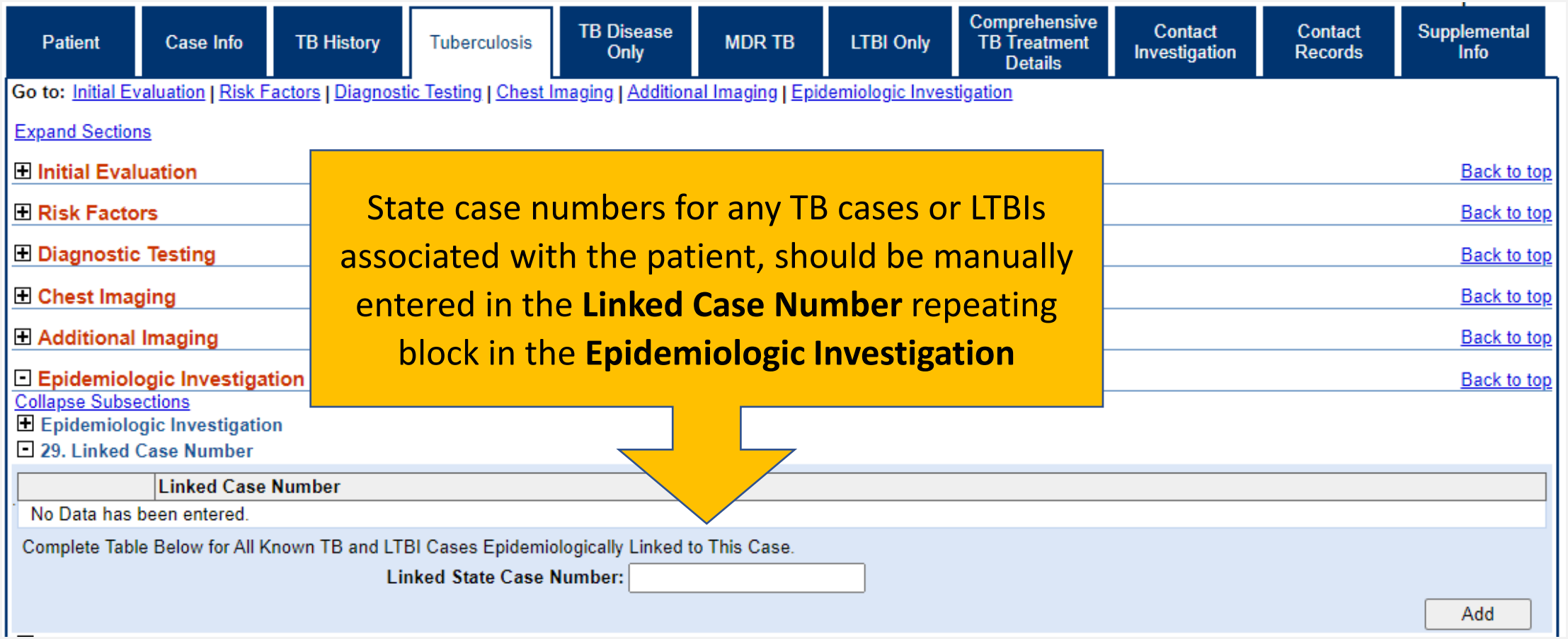


Tuberculosis Tab

All Non-Chest Imaging should be entered in the **Additional Imaging Section** of the Tuberculosis Tab.



Tuberculosis Tab



State case numbers for any TB cases or LTBIs associated with the patient, should be manually entered in the **Linked Case Number** repeating block in the **Epidemiologic Investigation**

Demo Part 3

Tuberculosis Tab

https://vimeo.com/901264745/b63f3c56ca?share=copy

Course Number 2, Demonstration Part 3:
Tuberculosis Tab

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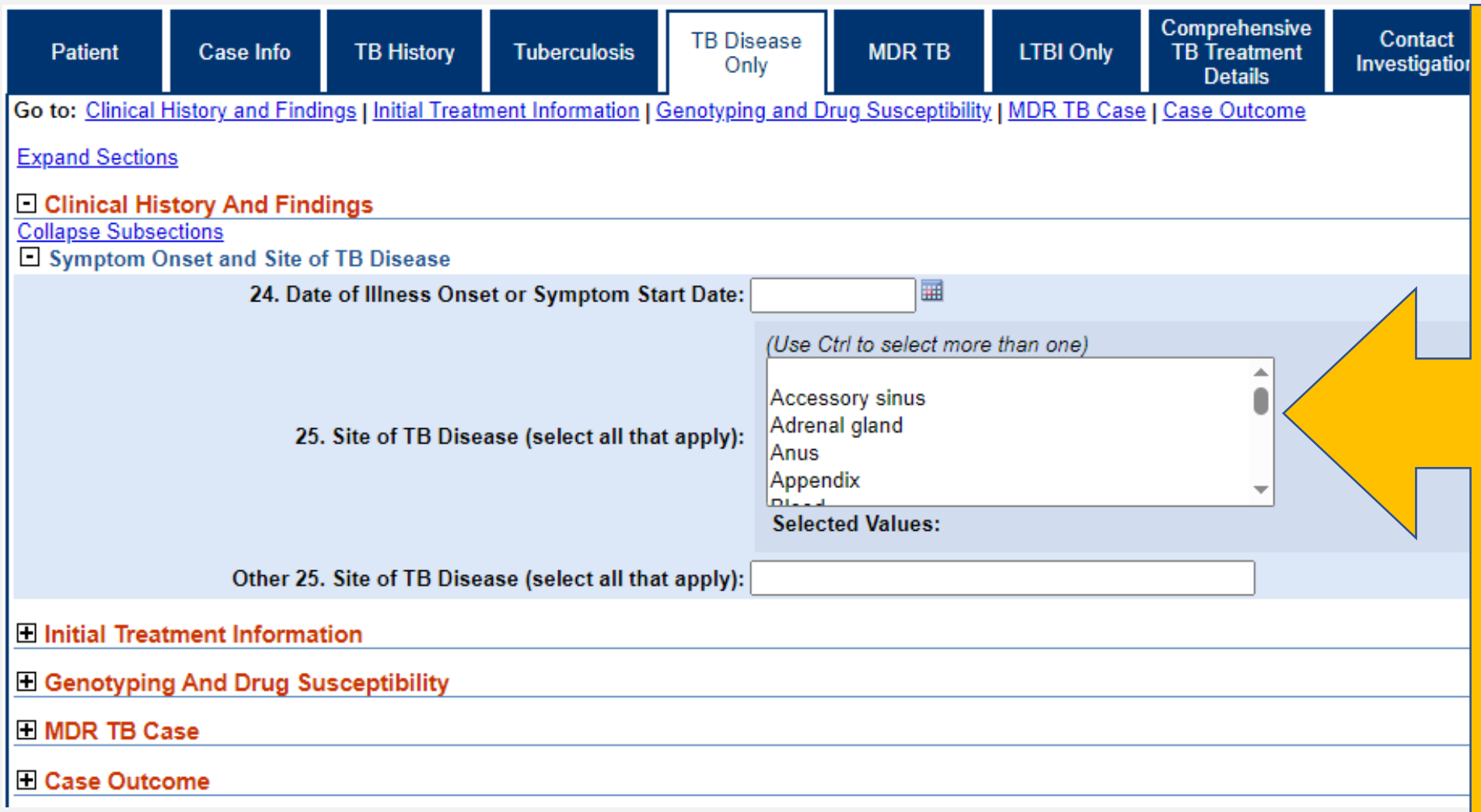
Public Health Regions and Local Health Departments (R/LHDs)
Texas Department of State Health Services

Review these tabs: Patient, Case Info, TB History, Tuberculosis

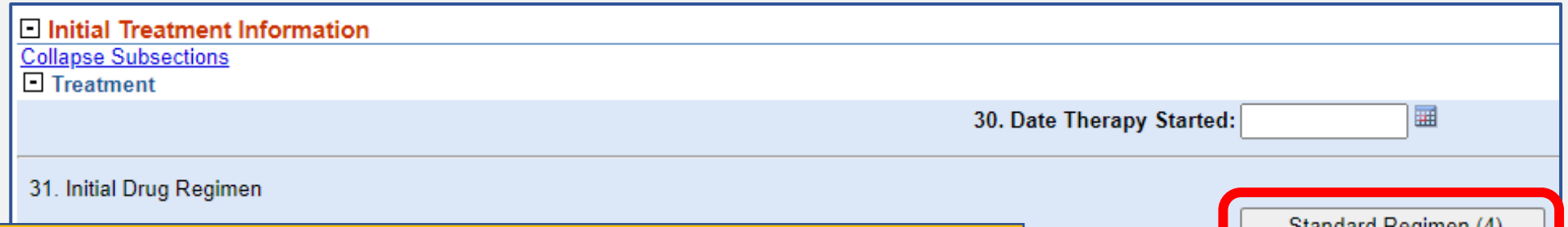
TB Disease Only Tab



The **TB Disease Only Tab** contains initial treatment, drug susceptibility, genotype, sputum conversion, treatment completion, and moves during treatment information.

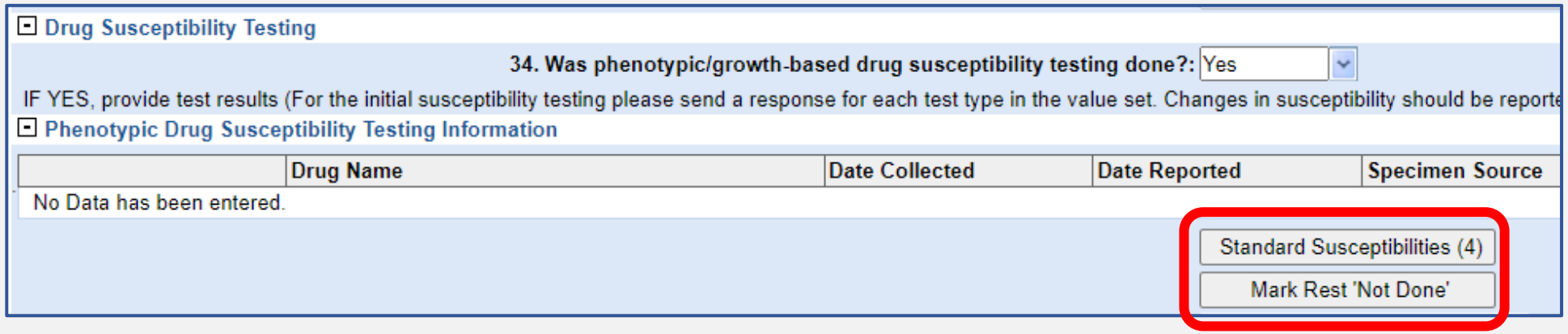
The TB Disease Only Tab can only be edited in Tuberculosis (2020 RVCT) Investigations.

TB Disease Only Tab

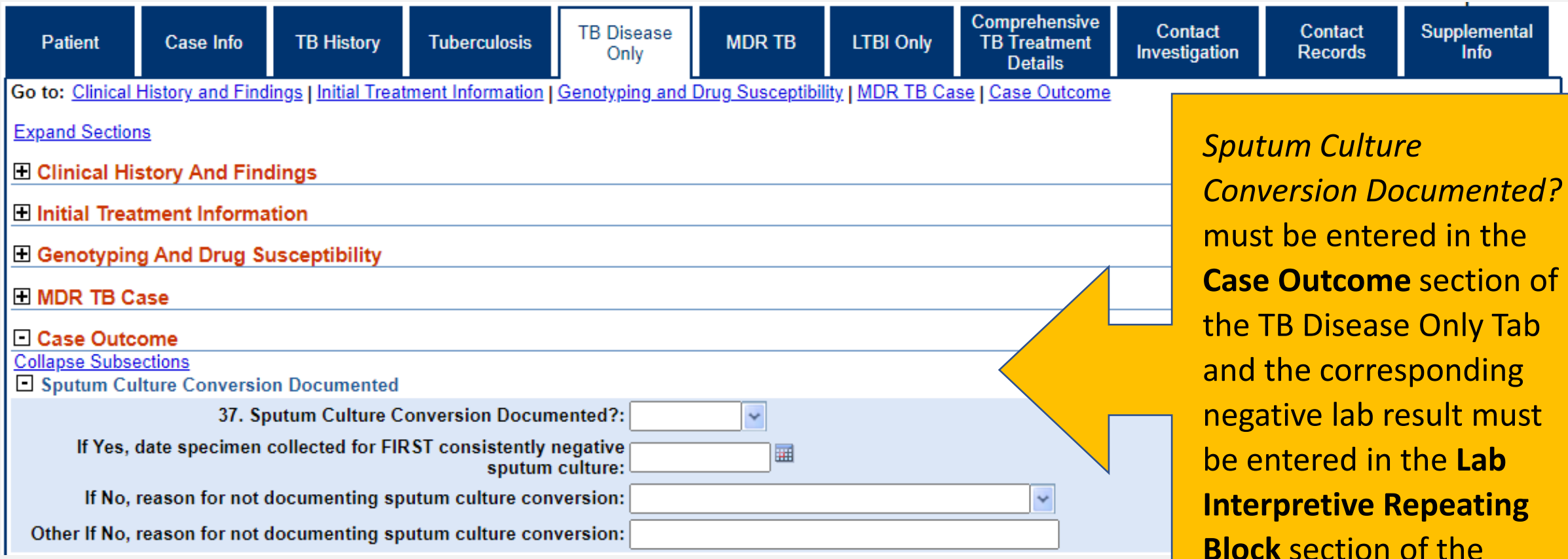


The **Initial Drug Regimen** and **Phenotypic Drug Susceptibility Testing Information** questions have special feature buttons.

For details on how to use these buttons review NEDSS Training Modules for Data Entry Contractors Module 5.

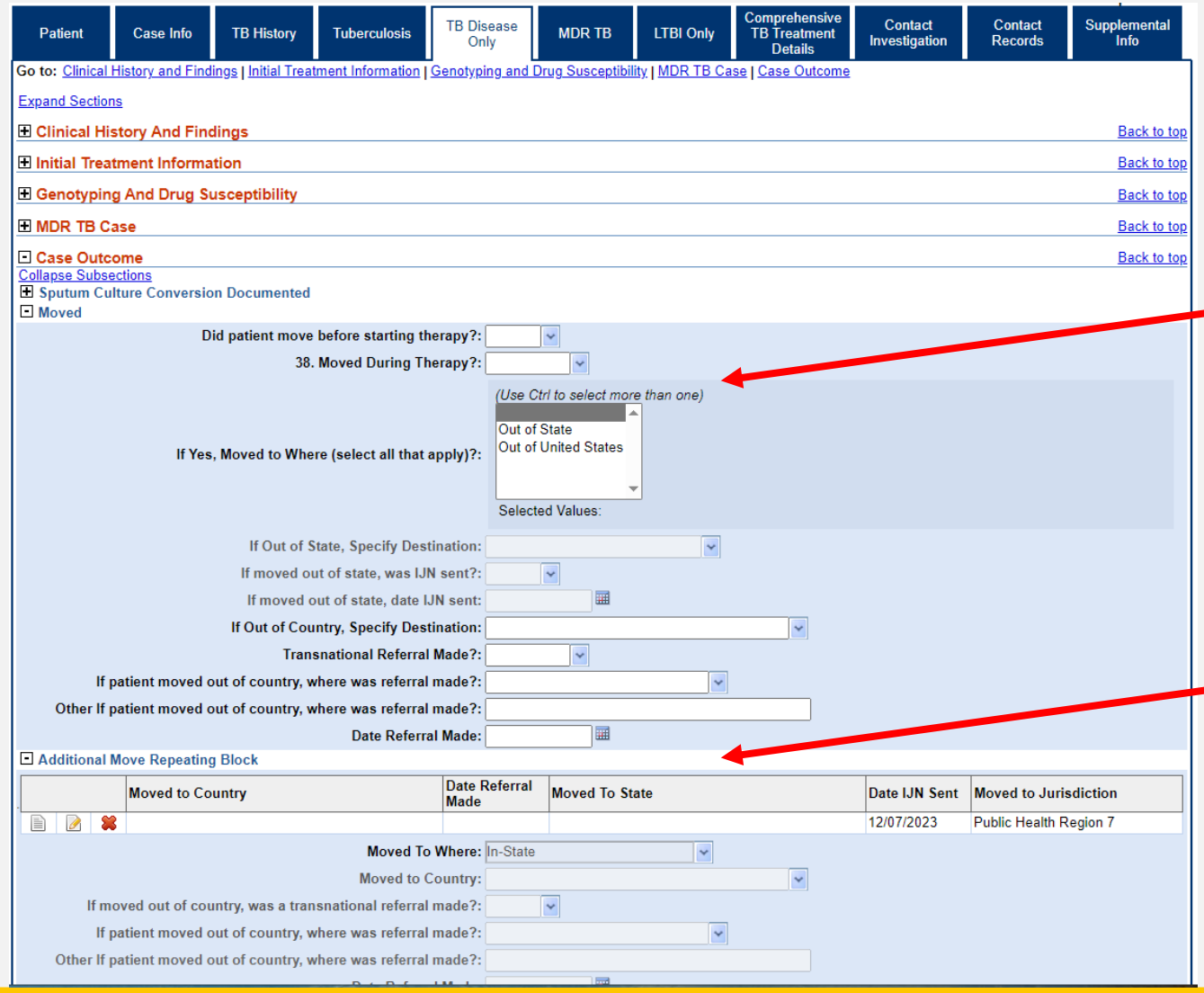


TB Disease Only Tab



Sputum Culture Conversion Documented? must be entered in the **Case Outcome** section of the TB Disease Only Tab and the corresponding negative lab result must be entered in the **Lab Interpretive Repeating Block** section of the Tuberculosis Tab.

TB Disease Only Tab



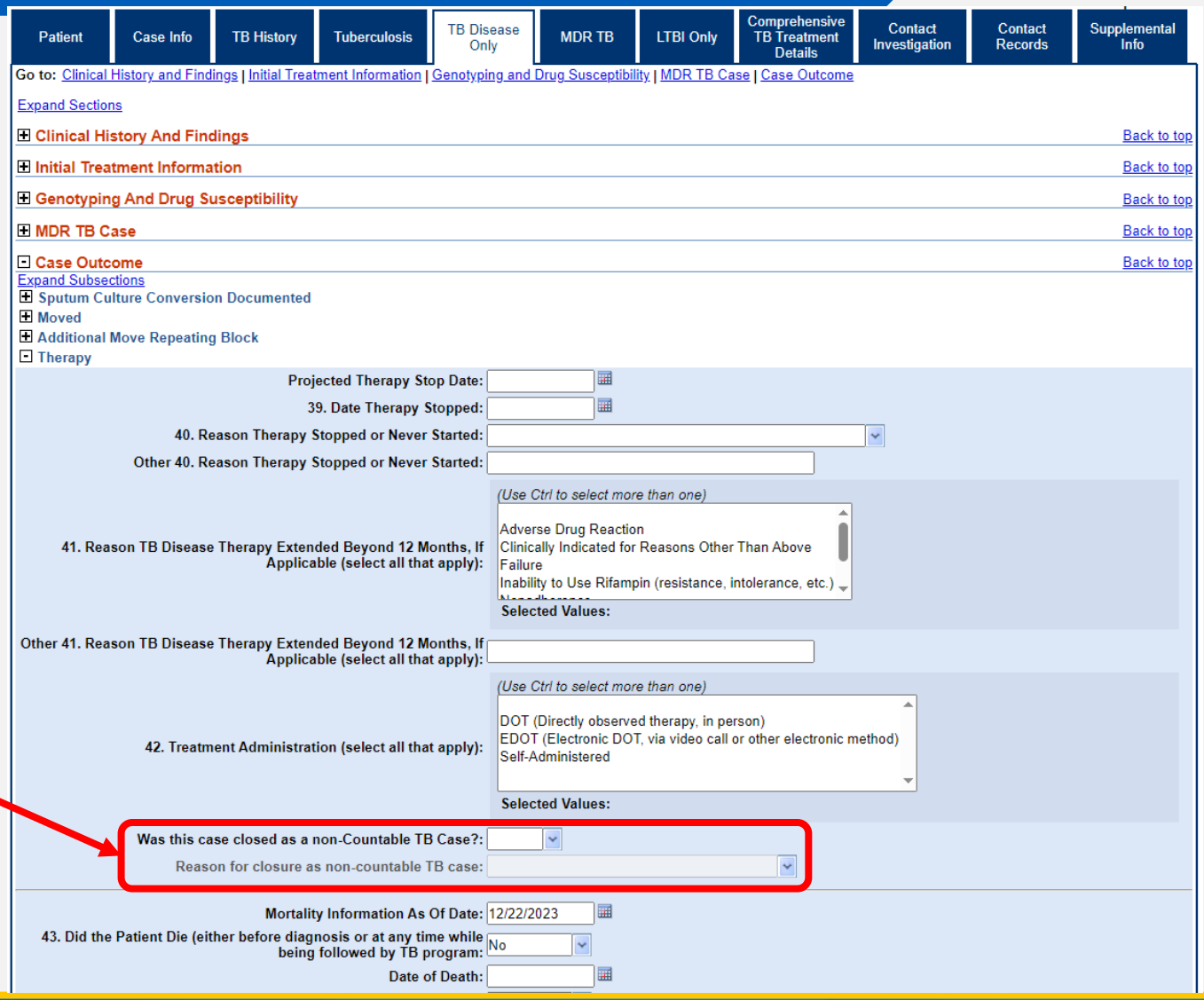
The first Out of State or Out of Country move should be entered in the **Moved** subsection.

Additional Out of State or Out of Country and all In-State moves should be entered in the **Additional Move Repeating Block** subsection.

TB Disease Only Tab

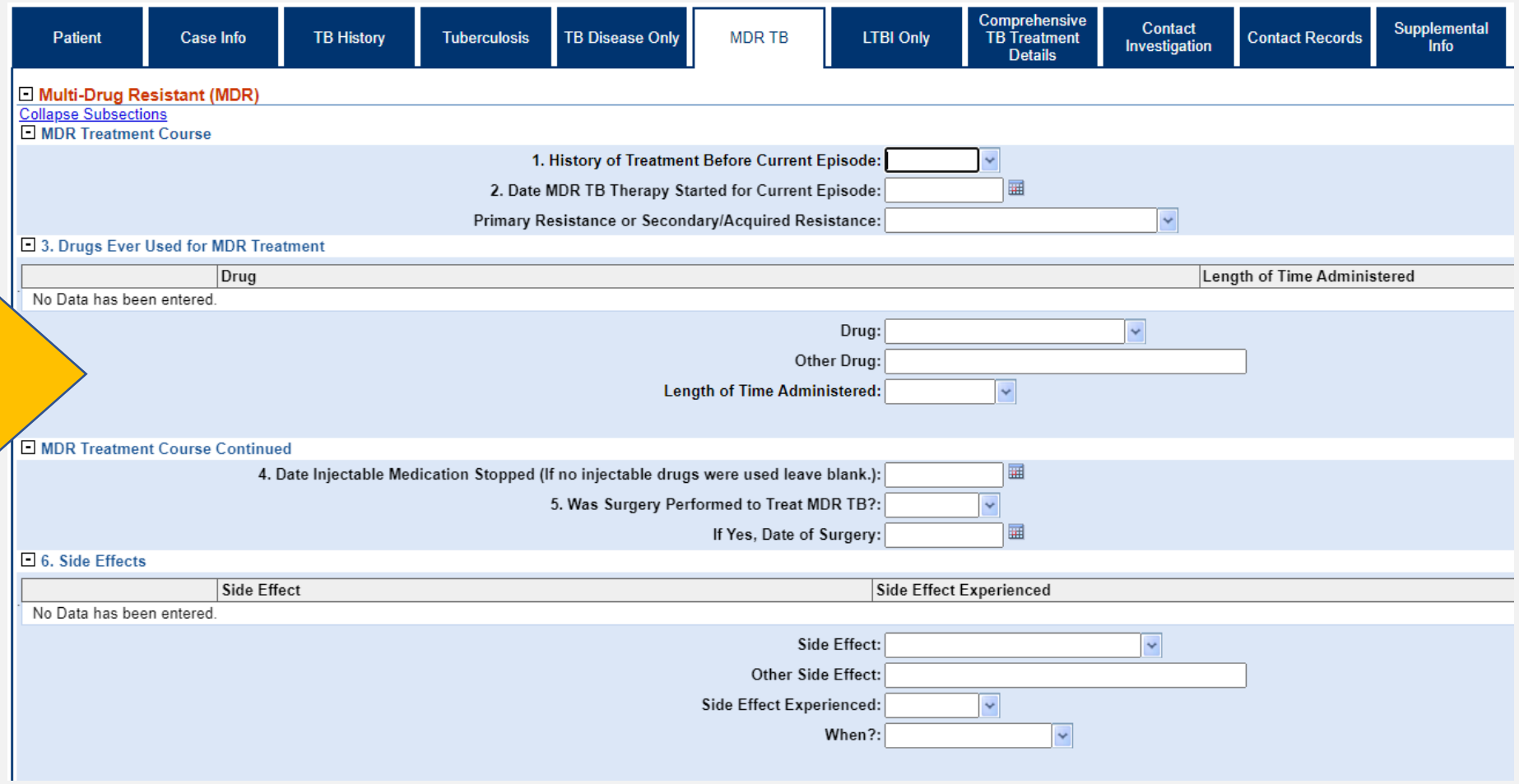
Only Central Office TB Unit will select if the case was closed as non-countable.

R/LHD should notify their TB Unit surveillance case consultant of any TB cases that should be un-counted.



MDR TB Tab

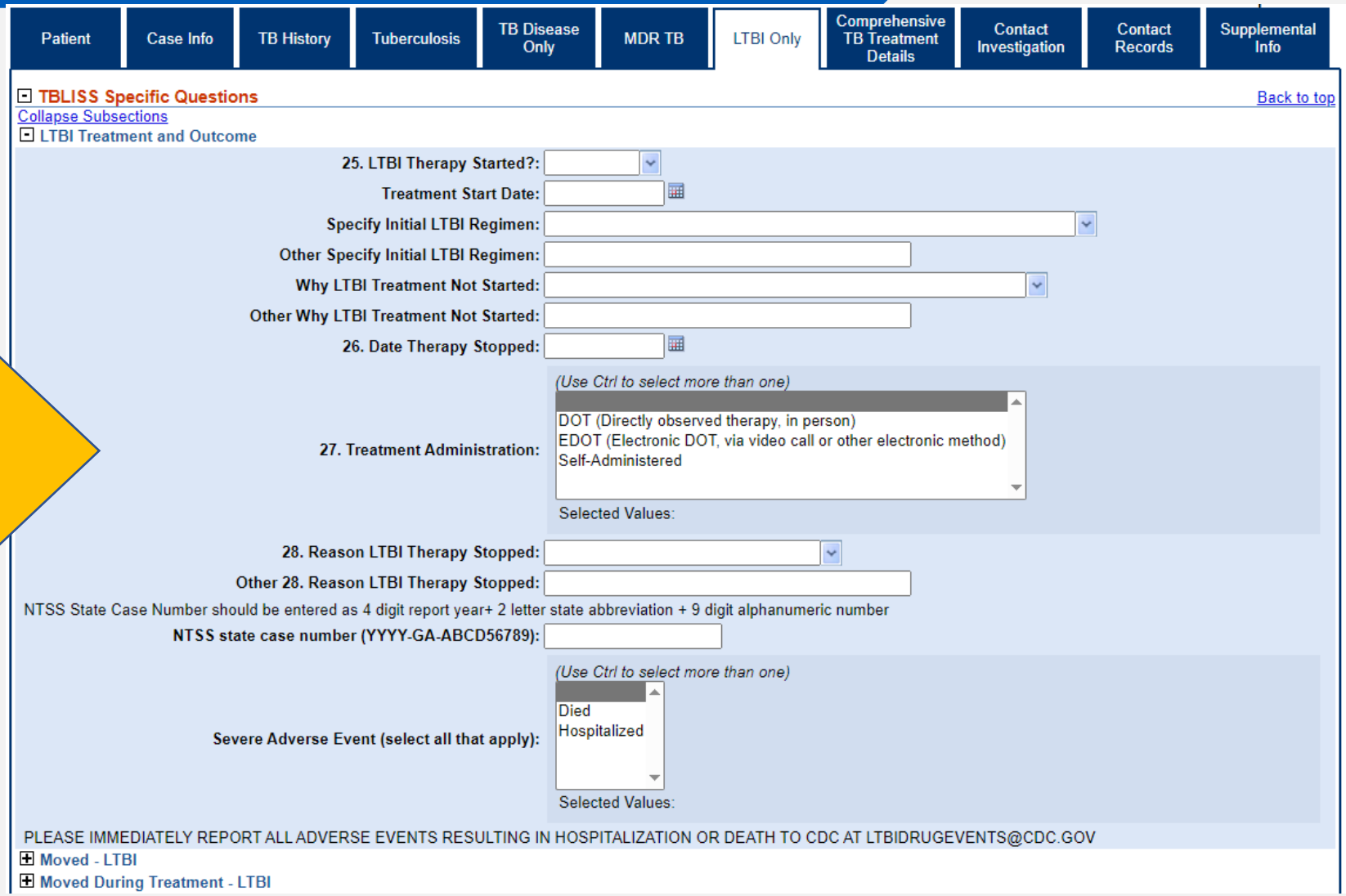
The **MDR TB Tab** is equivalent to the RVCT MDR TB Supplemental Form. It should be entered for *all* TB cases that second line drugs are used for **ANY** reason.



LTBI Only Tab

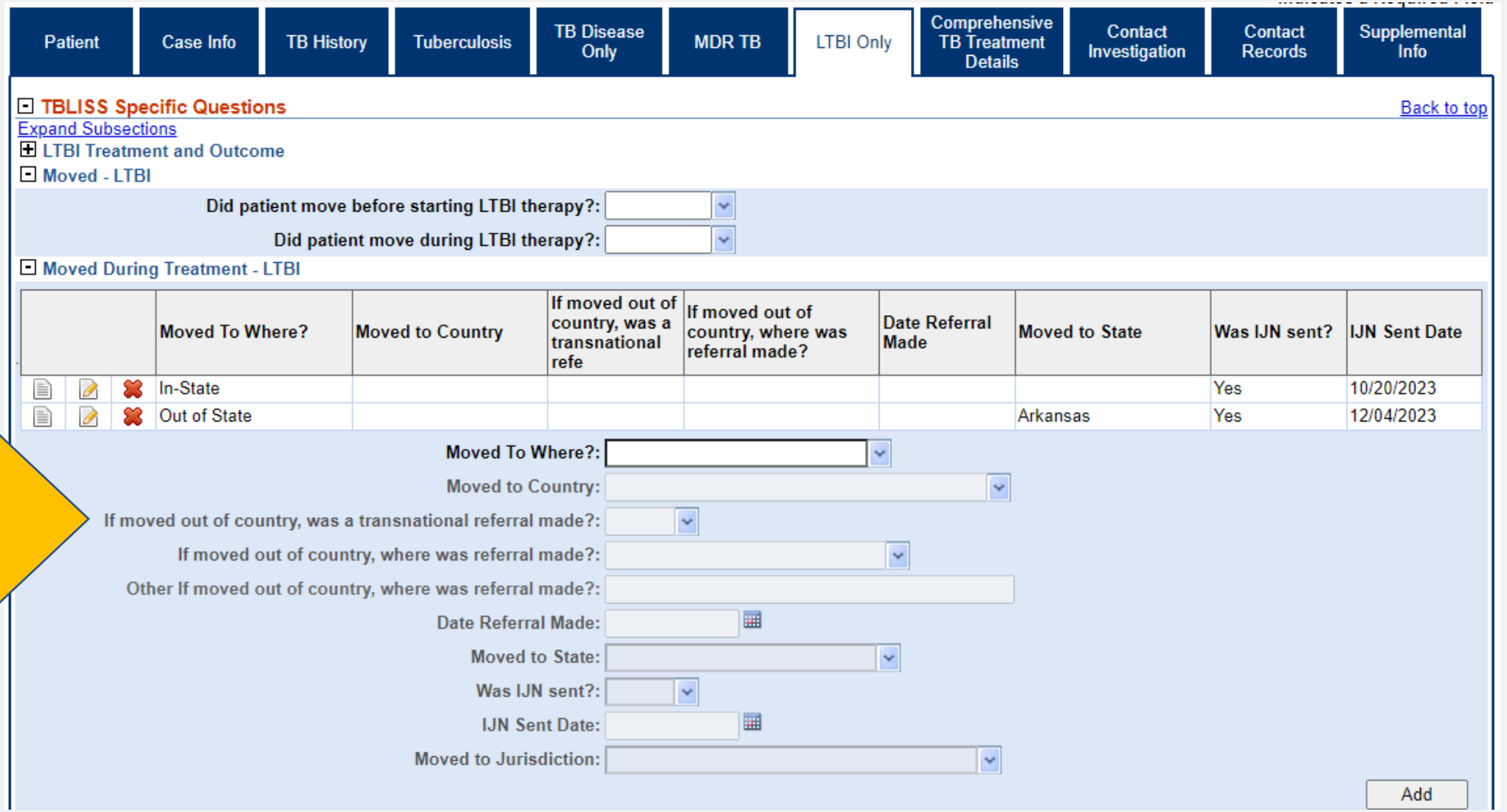
The **LTBI Only Tab** contains LTBI treatment information and whether patient moved during treatment.

The LTBI Only Tab can only be edited in the Latent Tuberculosis Infection (2020 TBLISS) Investigations.



LTBI Only Tab

All In-State, Out of State, and Out of Country moves for patients with LTBI should be entered in the **Moved During Treatment – LTBI** subsection



Demo Part 4

TB Disease Only, MDR TB, and LTBI Only Tabs

https://vimeo.com/901264754/04e92a1796?share=copy

Course Number 2, Demonstration Part 4: *TB Disease Only, MDR TB, and LTBI Only Tabs*

NEDSS Tuberculosis (TB) Training Course for
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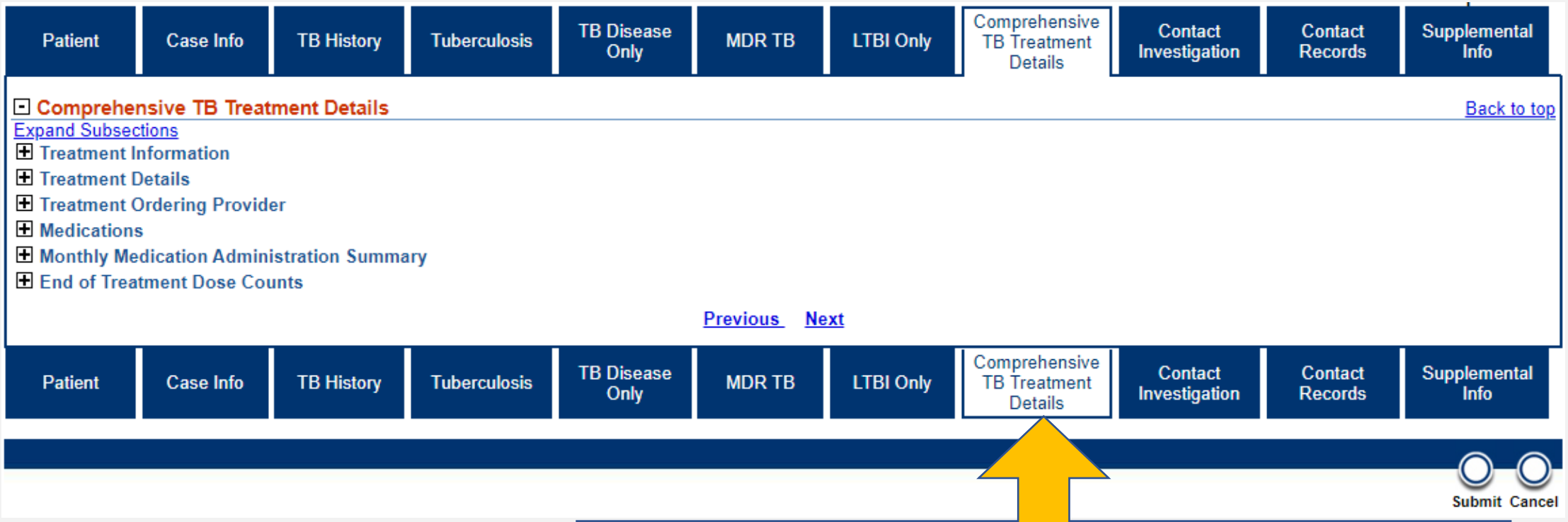
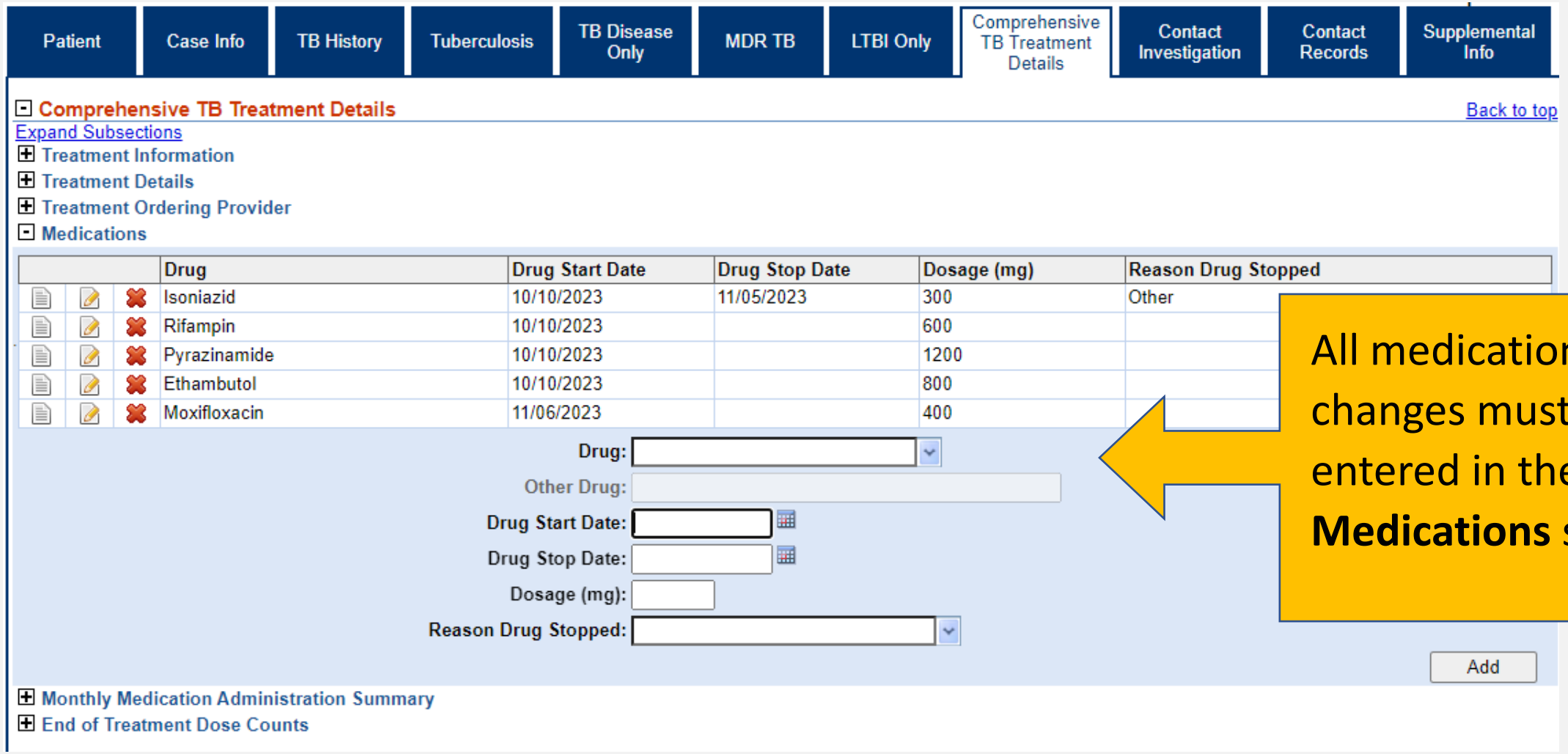
Texas Department of State Health Services

Comprehensive TB Treatment Details Tab



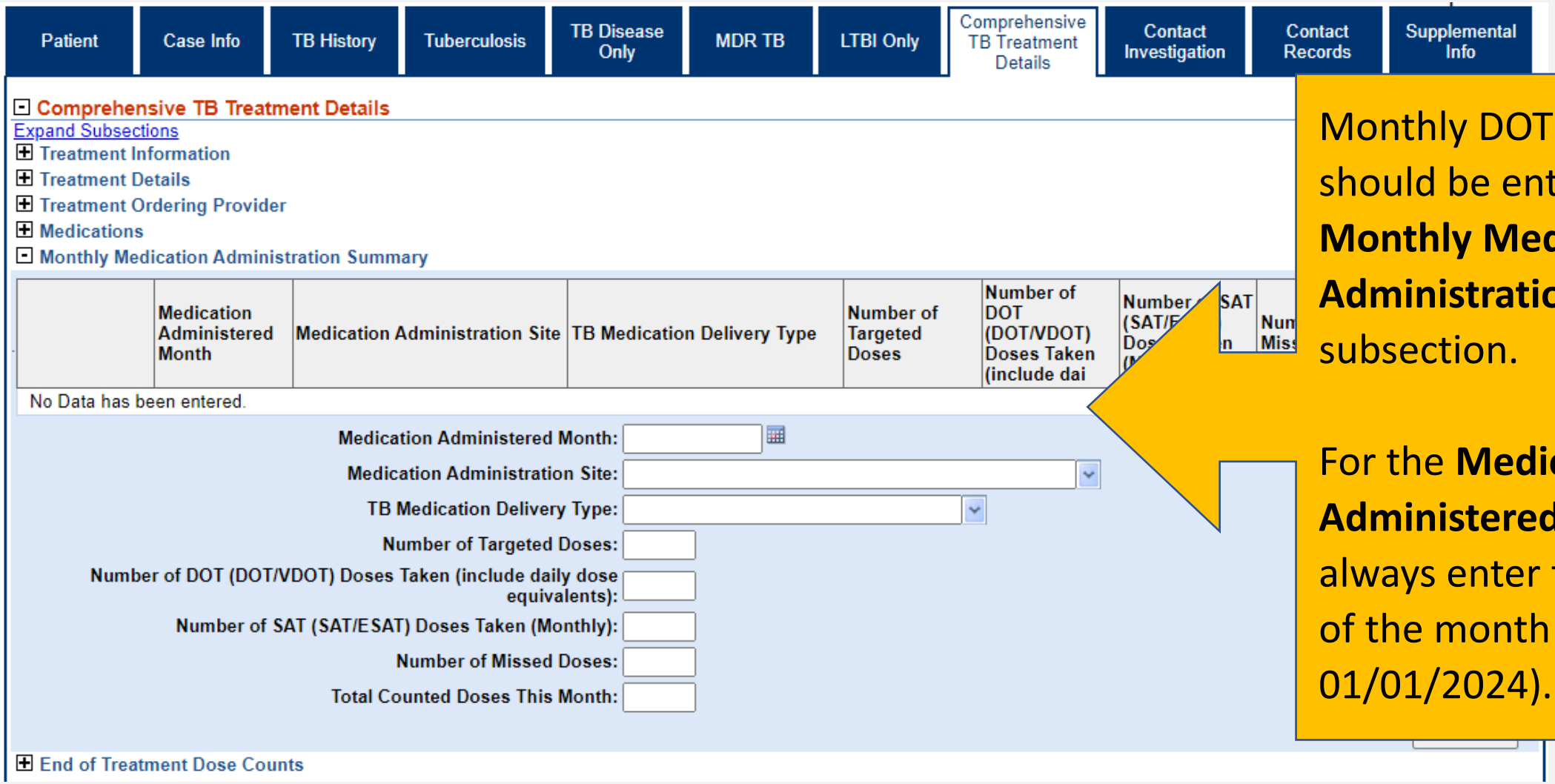
The **Comprehensive TB Treatment Details Tab** contains initial and current treatment type, drug and dosage, and medication summary information.

Comprehensive TB Treatment Details Tab



All medication and dose changes must be entered in the **Medications** subsection.

Comprehensive TB Treatment Details Tab



Monthly DOT log doses should be entered in the **Monthly Medication Administration Summary** subsection.

For the **Medication Administered Month**, always enter the first date of the month (i.e., 01/01/2024).

Demo Part 5

Comprehensive TB Treatment Details Tab

https://vimeo.com/901264762/546a380149?share=copy

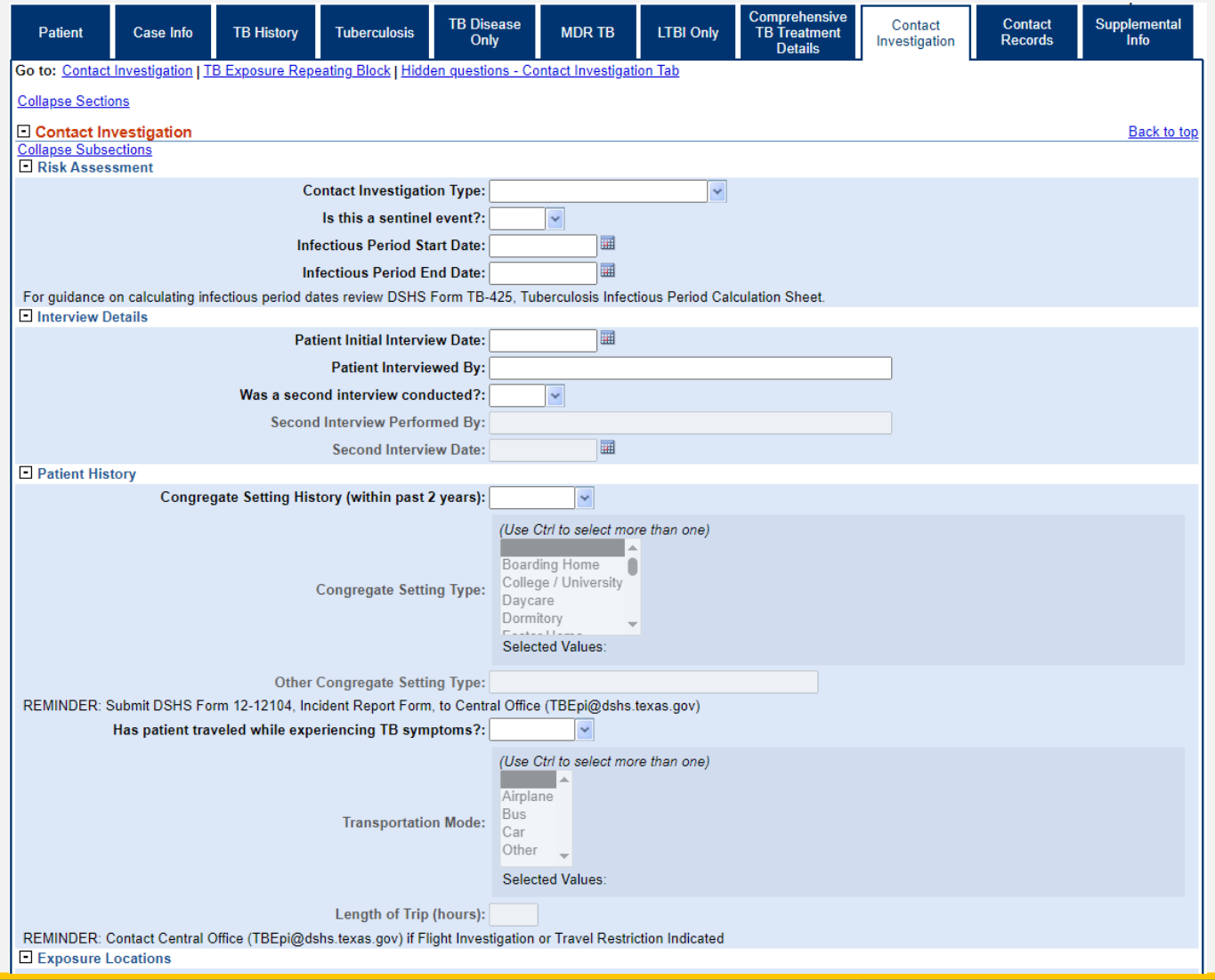
Course Number 2, Demonstration Part 5: *Comprehensive TB Treatment Details Tab*

NEDSS Tuberculosis (TB) Training Course for
Public Health Regions and Local Health Departments (P/LHDs)
Texas Department of State Health Services

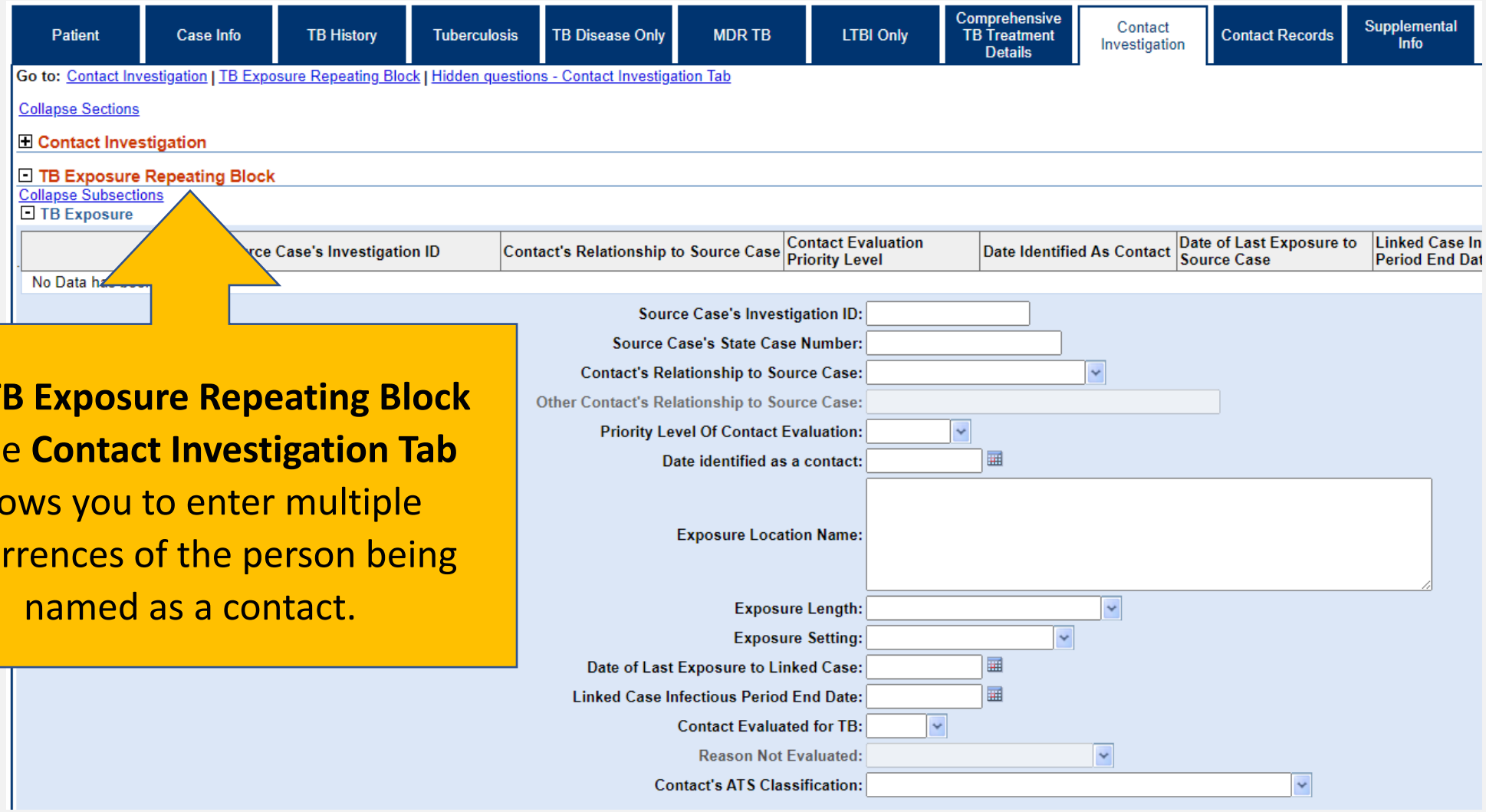
Review these tabs: TB Disease Only, MDR TB, LTBI Only, and Comprehensive TB Treatment Details

Contact Investigation Tab

The **Contact Investigation Tab** contains information on the ongoing contact investigation for all suspected and confirmed TB cases *and* information on contact exposure and evaluation for all named contacts.

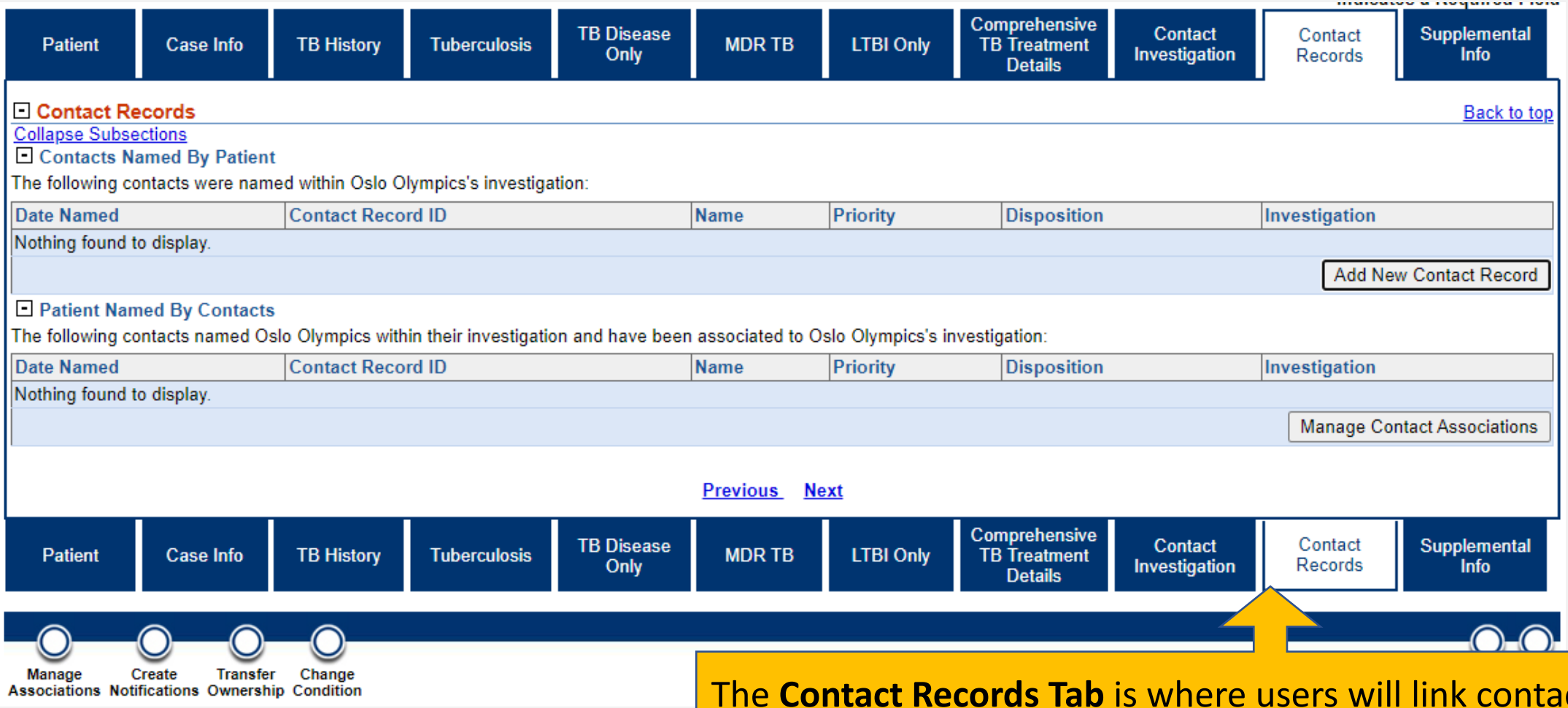


Contact Investigation Tab



The **TB Exposure Repeating Block** of the **Contact Investigation Tab** allows you to enter multiple occurrences of the person being named as a contact.

Contact Records Tab

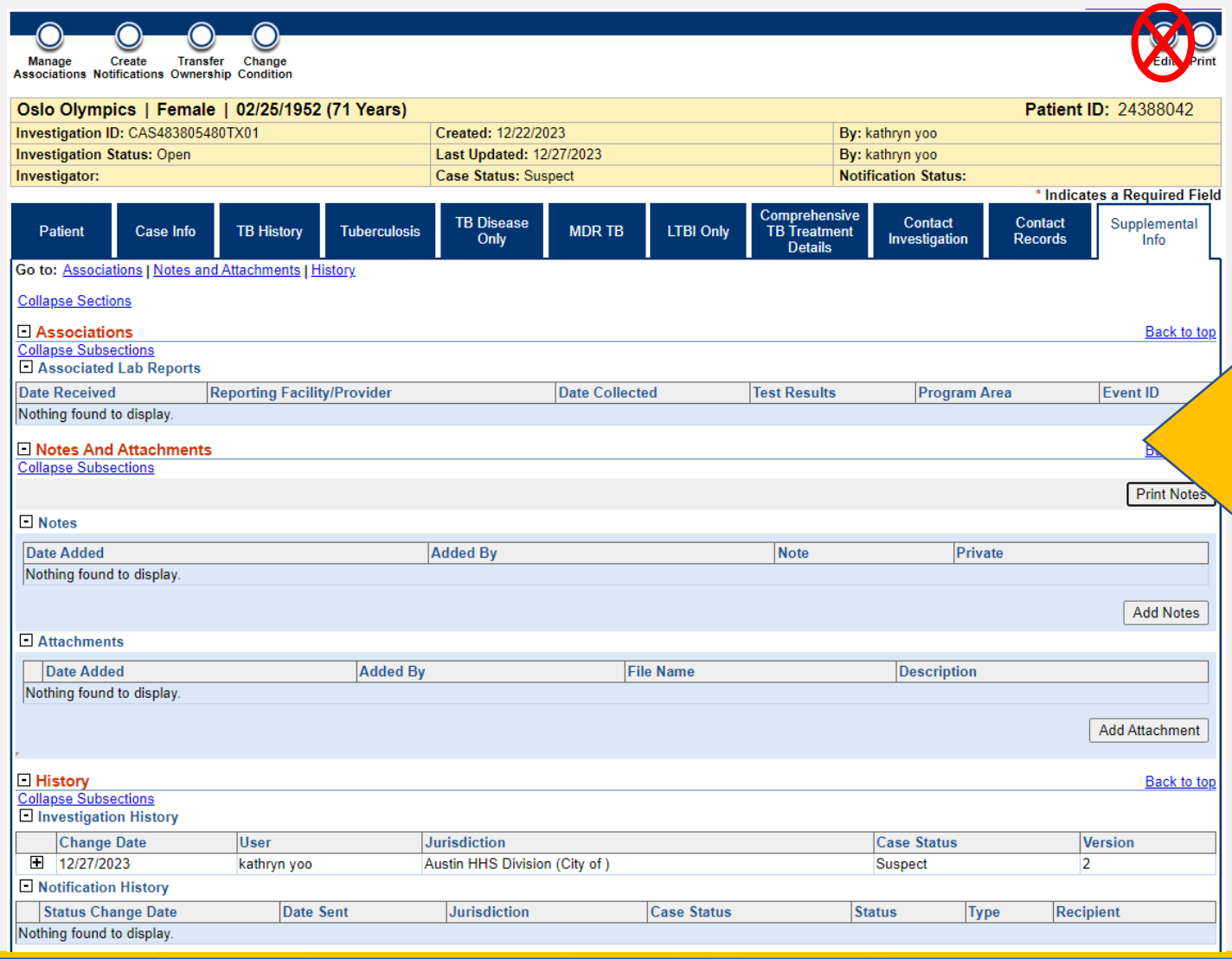


The **Contact Records Tab** is where users will link contacts to their index case and be able to view any index case that named the contact.

Contact Records Tab

To work in the **Contact Records Tab**, users should ***NOT*** be in Edit Mode.

Supplemental Info Tab



The **Supplemental Info Tab** is where users will view associated lab reports, enter notes and attachments, and track the investigation and notification history.

To work in the **Supplemental Info Tab**, users should ***NOT*** be in Edit Mode.

Demo Part 6

Contact Investigation, Contact Records, and Supplemental Info Tabs

https://vimeo.com/901264769/53abd671e0?share=copy

Course Number 2, Demonstration Part 6: *Contact Investigation, Contact Records, and Supplemental Info Tabs*

NEDSS Tuberculosis (TB) Training Course for
Public Health Regions and Local Health Departments (P/LHDs)
Texas Department of State Health Services

Review these tabs: Contact Investigation, and Contact Records, and Supplemental Info

Questions?

End of NEDSS TB Training, Course 2