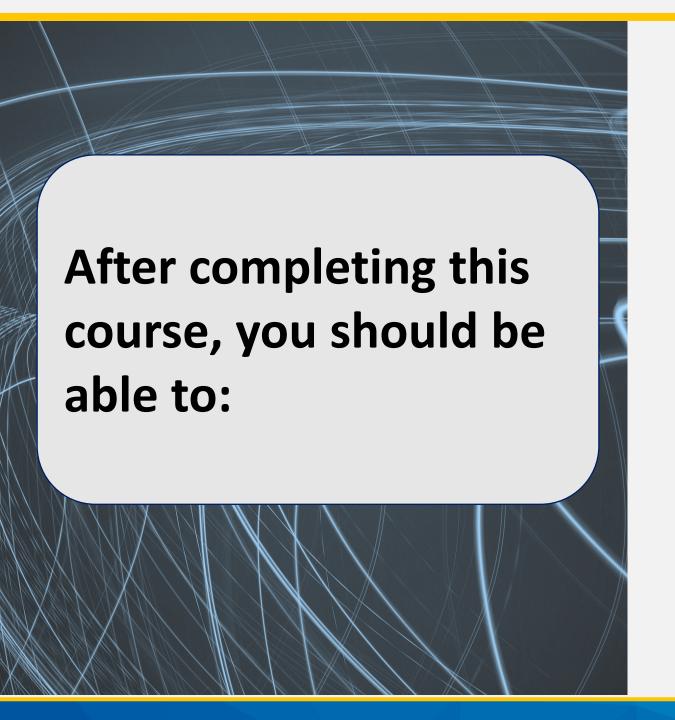


Texas Department of State Health Services

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

January 2024

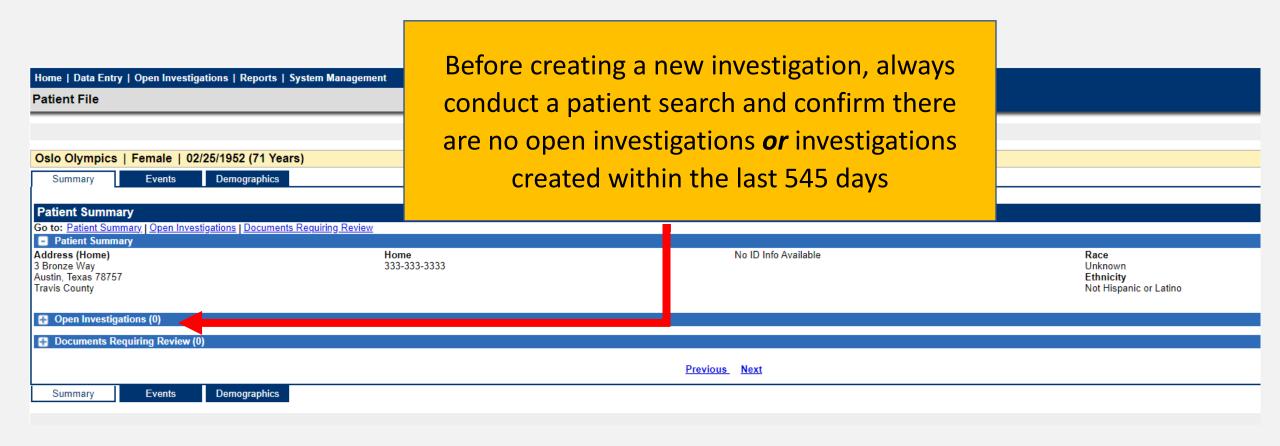
Course Number 2: TB Investigations Overview



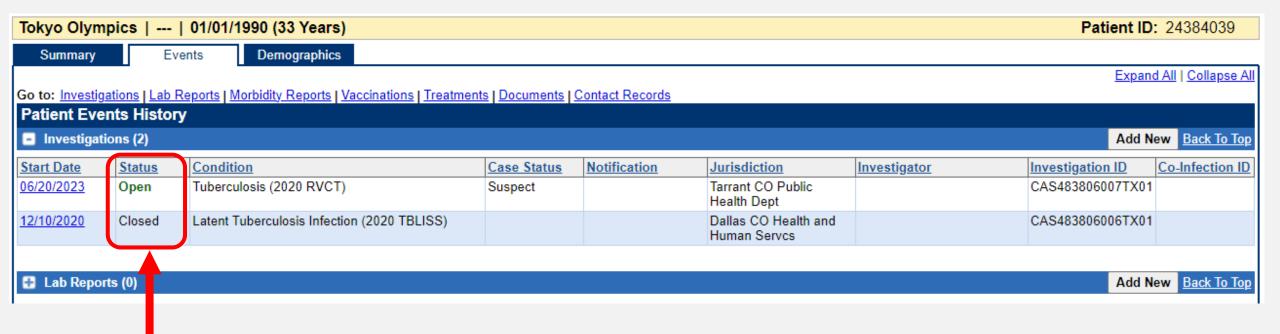
- Create an Investigation;
- Know when to create a TB (2020 RVCT) Investigation versus a TB Infection (2020 TBLISS) Investigation; and
- Understand the Tabs within TB and LTBI Investigations.

Creating TB and LTBI Investigations

Creating a New Investigation



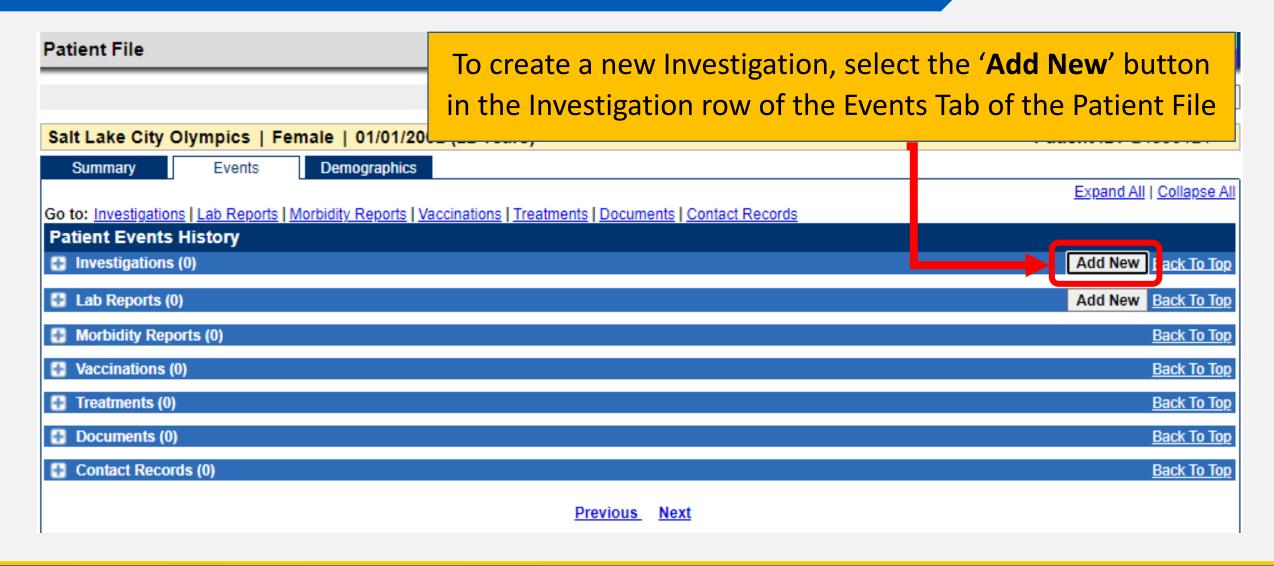
Open and Closed Investigations



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

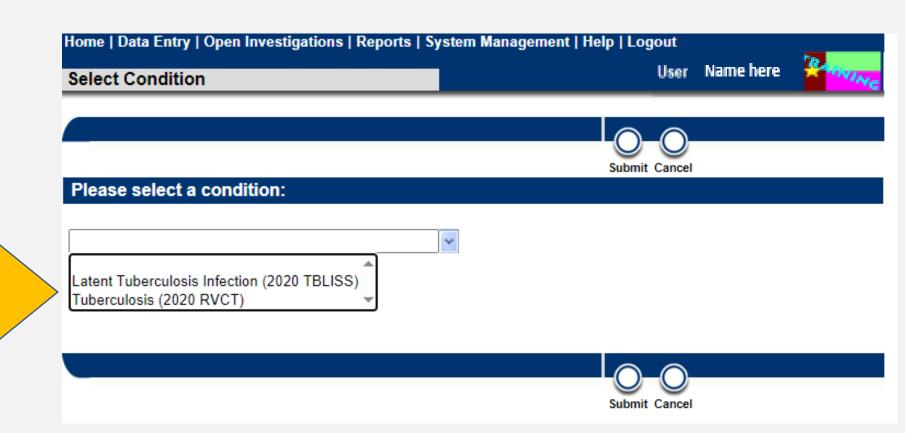
Closed Investigations can only be viewed on the Events Tab.

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

Add Investigation: Tuberculosis (2020 RVCT)	User: Name here									
	Submit Cancel									
Oslo Olympics Female 02/25/1952 (71 Years) Patient ID: 24388042										
	* Indicates a Required Field									
Patient Case Info TB History Tuberculosis	TB Disease Only MDR TB LTBI Only Comprehensive TB Treatment Details Contact Investigation Contact Records Supplemental Info									
■ Patient Information	Back to top									
Collapse Subsections ☐ General Information										
* Information As of	of Date: 01/11/2024									
	nments:									
□ Name Information										
	t Name: Oslo									
	e Name:									
Last	ot Name: Olympics									
	Suffix:									
Other Personal Details	of Birth: 02/25/1952									
7. Date o										
Denote	SSN:									
	ted Age: 71									
Age at Dia										
8. Sex a	at Birth: Female									

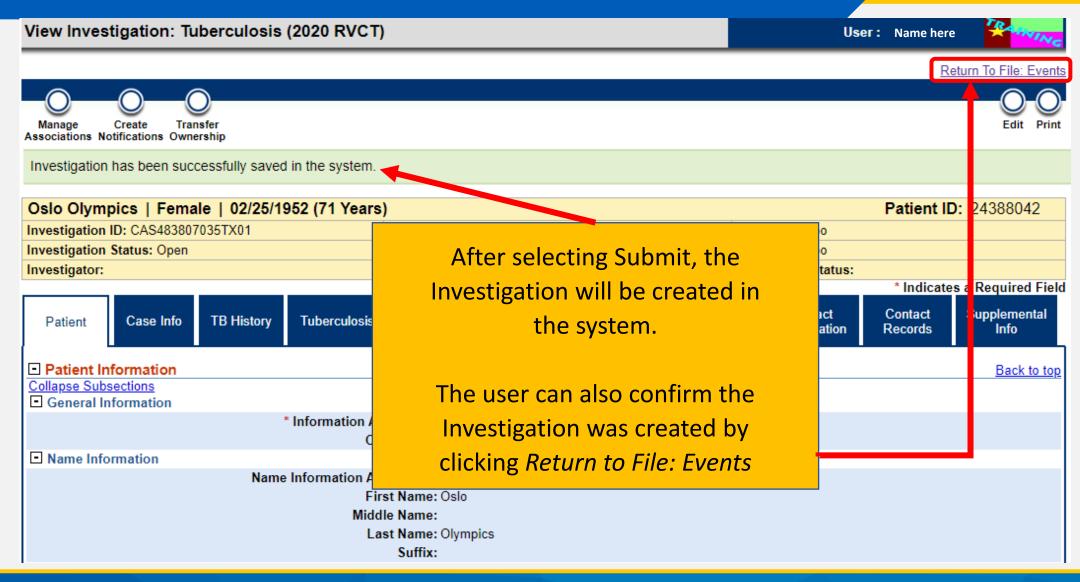
After selecting the condition and pressing submit, the Add Investigation page will open to the Patient Tab.

Demographic information from the Patient File will autopopulate. Verify the information in the Patient Tab.

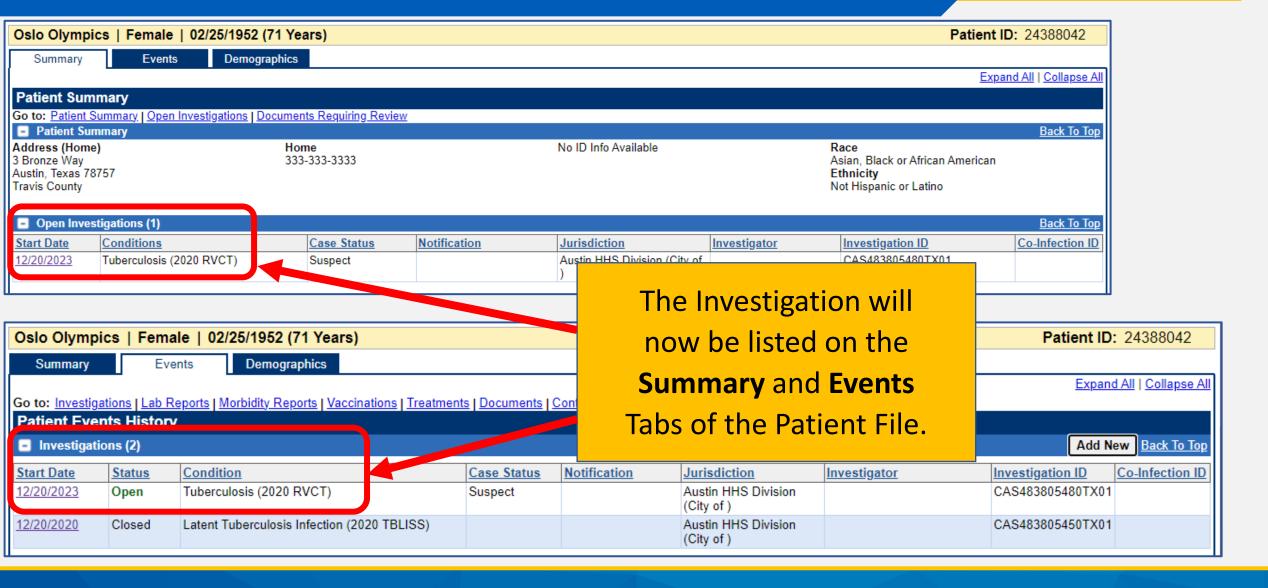
Creating a New Investigation: Verify Jurisdiction

Add Investigation: Tuberculosis (2020 RVCT) Oslo Olympics | Female | 02/25/1952 (71 Years) Comprehensive Contact **Tuberculosis TB Disease Only** MDR TB LTBI Only Contact Records **Patient** Case Info TB History **TB** Treatment Investigation **ALWAYS** confirm the Details Go to: Investigation Information | Reporting Information | Administrative Information | Clinical | Hidden Questions | General Comments | Case Info Questions Not Used Jurisdiction is auto-Collapse Sections populated correctly Investigation Information Collapse Subsections ■ Investigation Details in the Case Info Tab * Jurisdiction: Austin HHS Division (City of) * Program Area: Tuberculosis before submitting Investigation Start Date: 12/20/2023 the new * Investigation Status: Open * Shared Indicator: <a> investigation. Investigation Close Date: Report Case to CDC: Date Initially Reported to CDC: Unreport Case to CDC:

Creating a New Investigation: Success!



Where to View the New Investigation



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



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

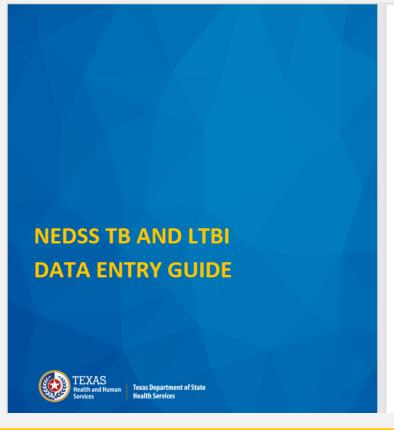
Public Health Regions and Cocal Health Departments (R/LHDs)
Texas Department of State Health Services

Practice/Break



NEDSS TB Data Entry Guide

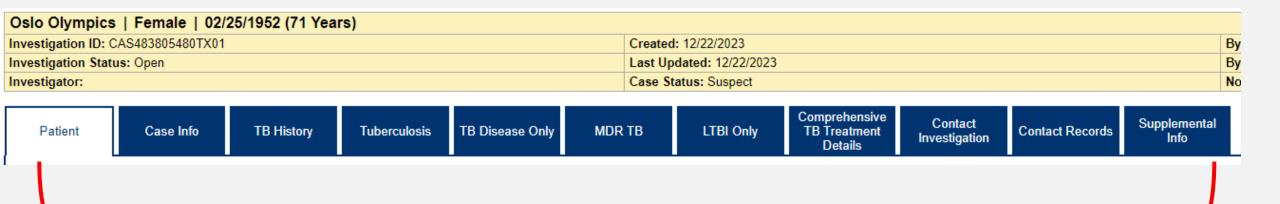
The NEDSS TB and LTBI Data Entry Guide will contain detailed explanation of how to enter information and offer variable definitions.



	Data Entry Tables
Patient Data Entry	
New Patient Entry	
TB/LTBI INVESTIGATIO	ON PAGE
•	38
	ent Details Tab 42
•	46
-	50
Supplemental Into Tab	
CONTACT RECORD ENTE	RY PAGE
Contact Tab	
Contact Record Tab	54
Contact Follow-Up Tab	
LABORATORY REPORT E	ENTRY PAGE
Patient Tab	59
Lab Report Tab - Lab Repo	ort

Overview of the Tabs in TB Investigations

Overview of Tabs

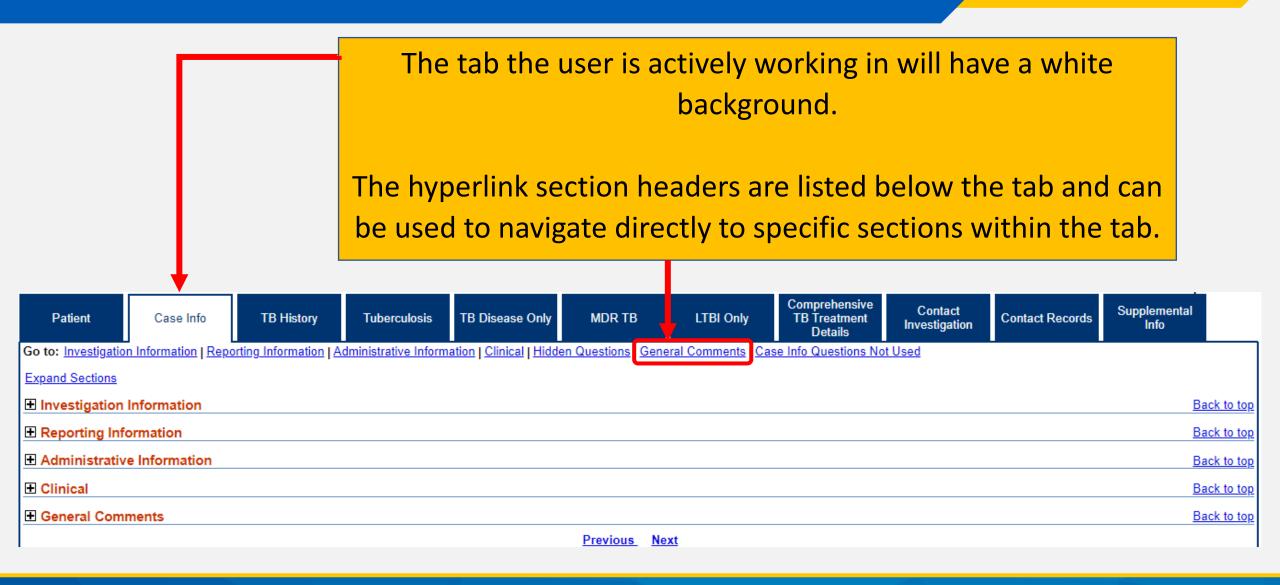


There are **11 tabs** within a TB Investigation.

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.

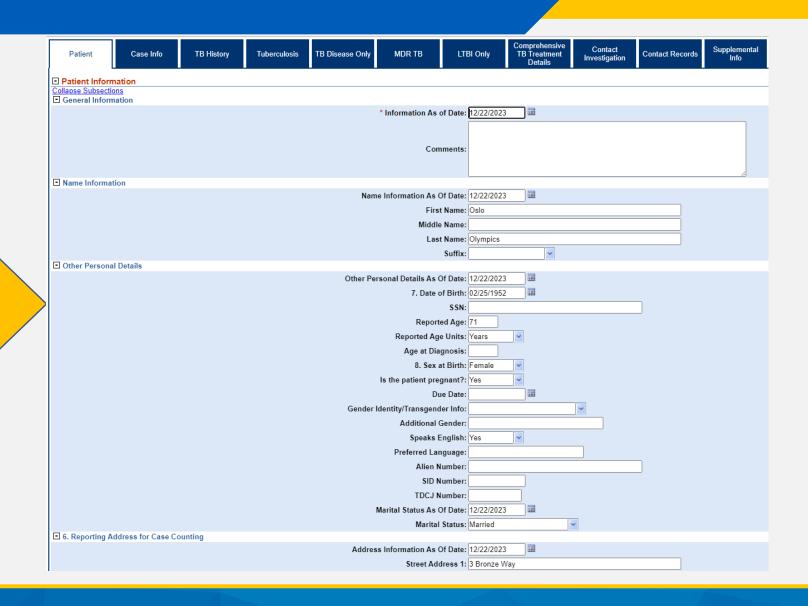
Overview of Tabs



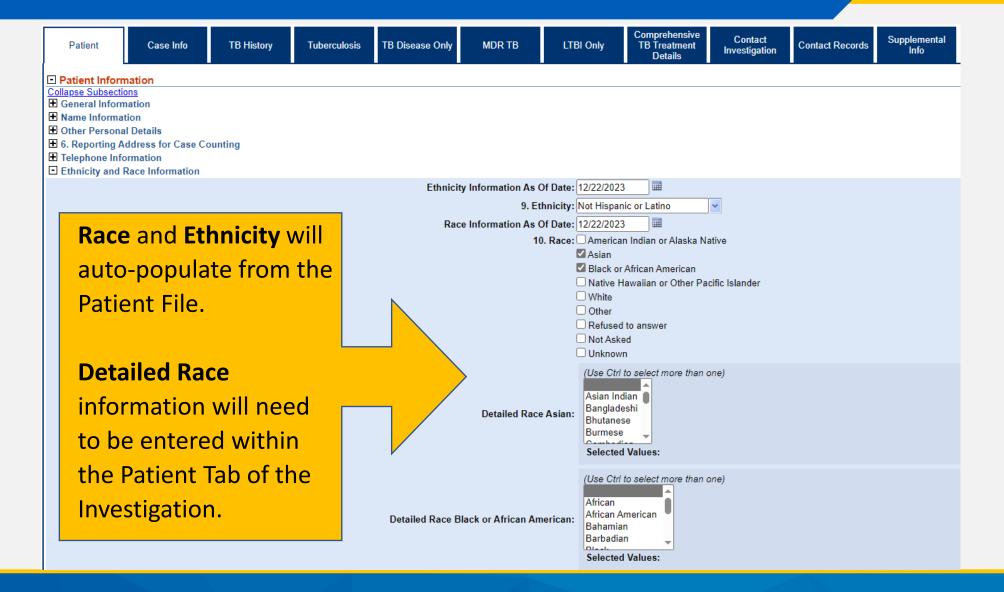
Patient Tab

The Patient Tab
contains
demographic and
other personal
information.

Most questions in this tab autopopulate from the Patient File.



Patient Tab



Case Info Tab



actual date the health department started working on the investigation.

Case Info Tab

Note

Patient	Case Info	TB History	Tuberculosis	TB Disease Only	MDR TB	LTBI Only	Comprehensive TB Treatment	Contact Investigation	Contact Records	Supplemental Info
Go to: Investigation	U on Information Repo	rting Information A	dministrative Inform	nation Clinical Hidde	en Questions Gen	eral Comments Ca	Details se Info Questions No			
Collapse Sections	i									
⊞ Investigation	Information									
	formation									
- Administrativ										
Collapse Subsect Rey Report D										
					1. Date Re	eported:				
■ Submitted to	Central Office		Casa Sub	mitted to Central Of	fice for SCN Apple	nnment:				
2. Date Count	ed		Case Sun	milited to Central Of	lice for SCN Assi	Jument:				
For Central Office	e Use Only									
4						ounted:		7		
						Status:				
						/R Year: 2023				
							, x-ray results, TST, ID	R, reason therapy	was stopped.	
some su	bsection	is withir	n the inv	vestigation	On cation Ca	ategory: 5 - Suspec	cted	~		
or Centr	al Office	e Use Oi	nly. Do	not ente	r,					
or delet	te inform	nation ir	such q	uestions	5.					

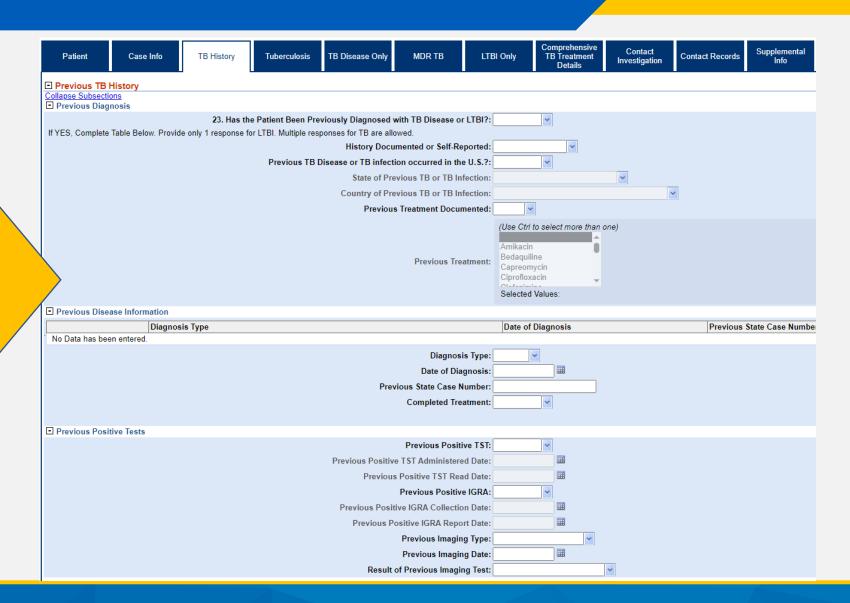
Case Info Tab

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

Patient	Case Info	TB History	Tuberculosis	TB Disease Only	MDR TB	LTBI C	Only	Comprehensive TB Treatment Details	Contact Investigation	Contact Records	Supplemental Info
Go to: Investigation I	nformation Rep	oorting Information A	Administrative Inform	ation <u>Clinical</u> <u>Hidd</u>	len Questions Gener	al Comme	nts Case I	nfo Questions N	ot Used	•	
Collapse Sections											
⊞ Investigation In	formation										
Reporting Information Hereight	mation										
Administrative											
Collapse Subsections E Key Report Dates	2										
Submitted to Cer											
± 2. Date Counted											
★ Case Numbers★ Case Verification	1										
⊞ Texas Binational											
■ TB Administratio	n			a Dationt Inquad Co	ourt Ordered Manage	mont	~				
				s Patient Issued Co	Date Court Order S						
				Is Court Order	for Inpatient or Outp			<u> </u>			
					ced on Travel Restric		~				
■ False Positive In	vestigation										
					Suspected false po	sitive:	~				
			W	as a false-positive	investigation perfor	med?:	~				
				TB	Status After Investiç	gation:			~		
					Investigation Out				~		
				False Positive I	nvestigation Closure	Date:		=			
- Clinical											
Collapse Subsections Hospital	<u> </u>										
				Was the patient ho	spitalized for this illi	ness?:		~			
					Ho	spital: S	earch - O	R -	Quick Cod	le Lookup	
					Hospital Sel	ected:					
					Admission						
					Discharge			=			
■ TCID Admission			To	otal Duration of Sta	y in the Hospital (in	days):					
E TCID Admission				Was	Patient Admitted to 1	TCID?:	~				
				7143	TCID Admission	_		=			
					TCID Discharge			=			
					3						

TB History Tab

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



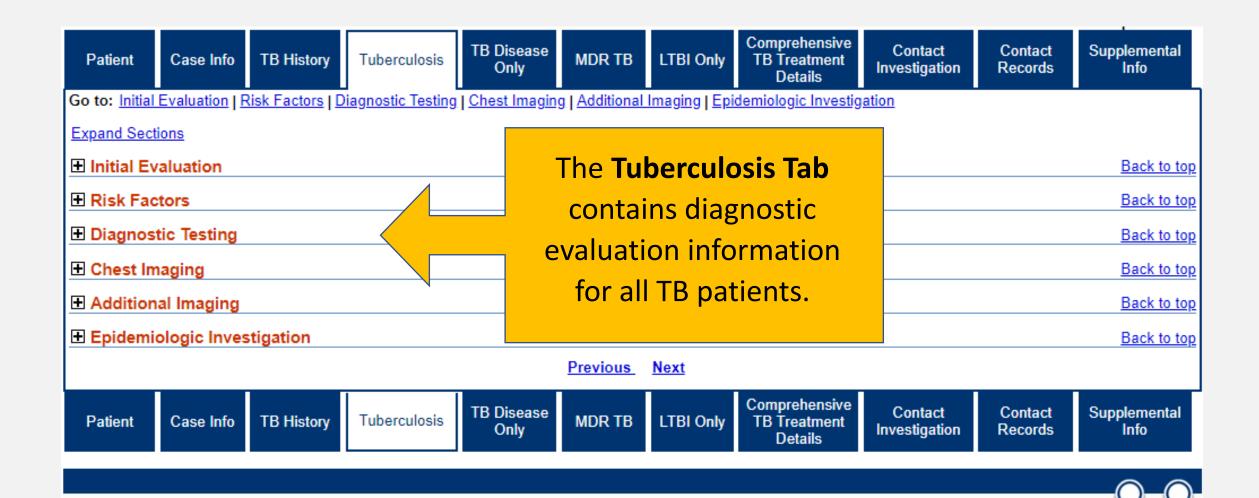
Demo Part 2

Patient, Case Info, and TB History Tabs https://vimeo.com/901264733/75e43627a5?share=copy

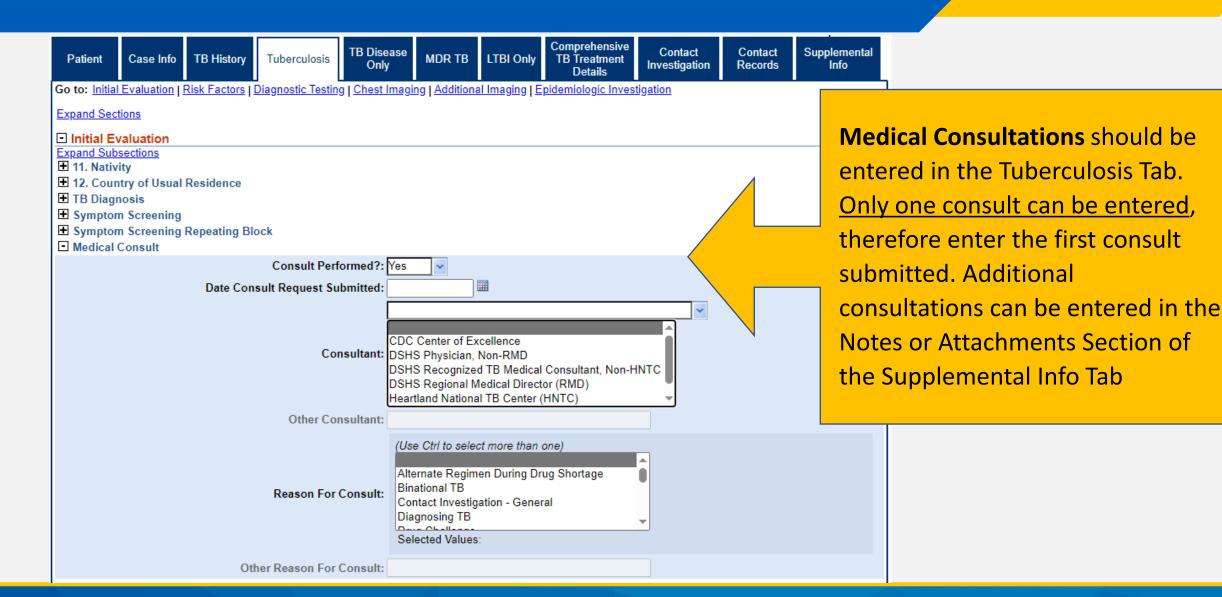


Course Number 2, Demonstration Part 2: Patient, Case Info, and TB History Tabs

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



Submit Cancel



Patient	Case Info	TB History	Tuberculosis	TB Disease Only	MDR TB	LTBI Only	Comprehensive TB Treatment Details	Contact Investigation	Contact Records	Supplemental Info	
Go to: Initial Ev	aluation Risk Fa	ctors Diagnostic	Testing Chest Imag	ging Additional Ir	maging <u>Epidemi</u>	ologic Investigation	<u>on</u>				
Expand Sections	<u>s</u>										
⊞ Initial Eval u	uation									Back to top	
H Risk Factor	rs									Back to top	
■ Diagnostic										Back to top	
	Test and All Nor	n DST TB Lab Tes ach of the main te	st Results st types in the discre	ete questions belo	ow. The lab repea	iting block can be	used to enter addit	onal tests perform	ed.		
			Collectio	n Date:	=						
			Date Re	ported:	=						/
			HIV	Status:		*					
		est at Diagnosis Assay for Mycoba	acterium tuberculo								
			Tes	st Type:	~						
			Collectio	n Date:	=						
			Date Re								
				Result:		~					
			Quantitative Test								
- Ct C		Quan	ititative Test Resul	t Units:		~					
Sputum Sm	ear		Collectio	n Date:							
			Date Re								
				Result:		~					
■ Sputum Cul	ture										
			Collectio	n Date:	=						
			Date Re	ported:	=						
				Result:		~					
⊞ Culture of T	Cytology of Tissuitssue or Other B Standard Amplification T	•	y Fluids								
			Specimen S	Source:					~		
			Other Specimen S	Source:							
			Collectio	n Date:							
			Date Re	ported:	=						
			R	esults:		~					

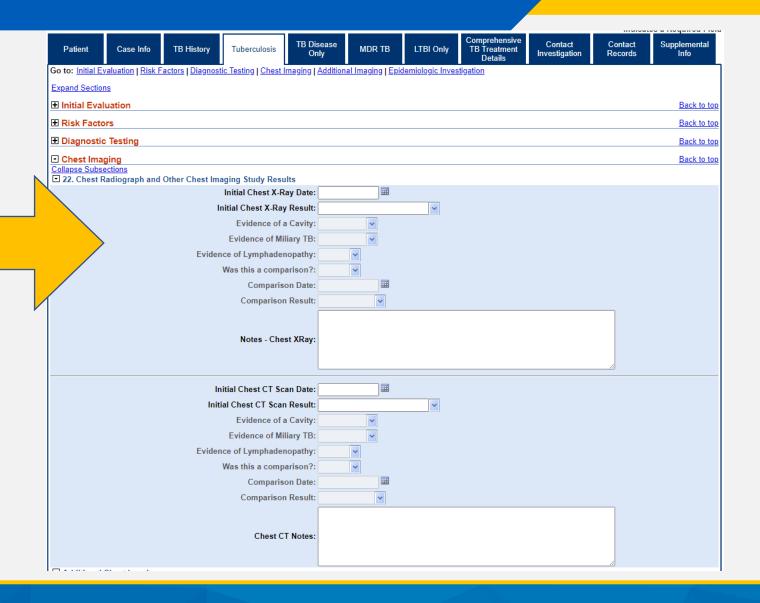
Within the **Diagnostic Testing** section of the Tuberculosis Tab, the first lab result significant to the TB diagnosis must be entered in the discrete questions for all suspected (ATS-5) and confirmed TB cases (ATS-3).

Patient	Case Info	TB History	Tuberculosis	TB Disease Only	MDR TB	LTBI Only	Comprehensive TB Treatment Details	Contact Investigation	Contact Records	Supplemental Info			
Go to: Initial Ev	Go to: Initial Evaluation Risk Factors Diagnostic Testing Chest Imaging Additional Imaging Epidemiologic Investigation												
Expand Section	Expand Sections												
⊞ Initial Eval	uation									Back to top			
□ Diagnostic Testing Back to top													
	Expand Subsections												
HIV Status													
± Tuberculin	(Mantoux) Skin	Test at Diagnos	is										
		Assay for Myco	bacterium tuber	culosis at Diagn	osis								
		sue or Other Bo	dily Fluids										
⊞ Culture of	Tissue or Other	Bodily Fluids											
	d Amplification												
	etive Repeating												
	Test Type		Specimen So	ource Site	Date Collec Placed	ted or Dar	te Reported or ad	Test Result Qualitative	Test Result Quantitative	Quantitative Test Result Units			
· · · · · · · · · · · · · · · · · · ·	Hemoglobin A	\1c	Blood		12/15/2023	12/	15/2023		6.7	percent			
	Culture		Sputum		10/13/2023	12/	08/2023	Negative					
			Te	est Type:		~							
			Other Te	est Type:									
			Specimen Sou	rce Site:				~					
		Oth	er Specimen Sou	rce Site:									
	Date Collected or Placed:												
Date Reported or Read:													
Test Result (Qualitative): ▼													
Test Result (Quantitative):													
		Quan	titative Test Resu	ult Units:			~						
										Add			

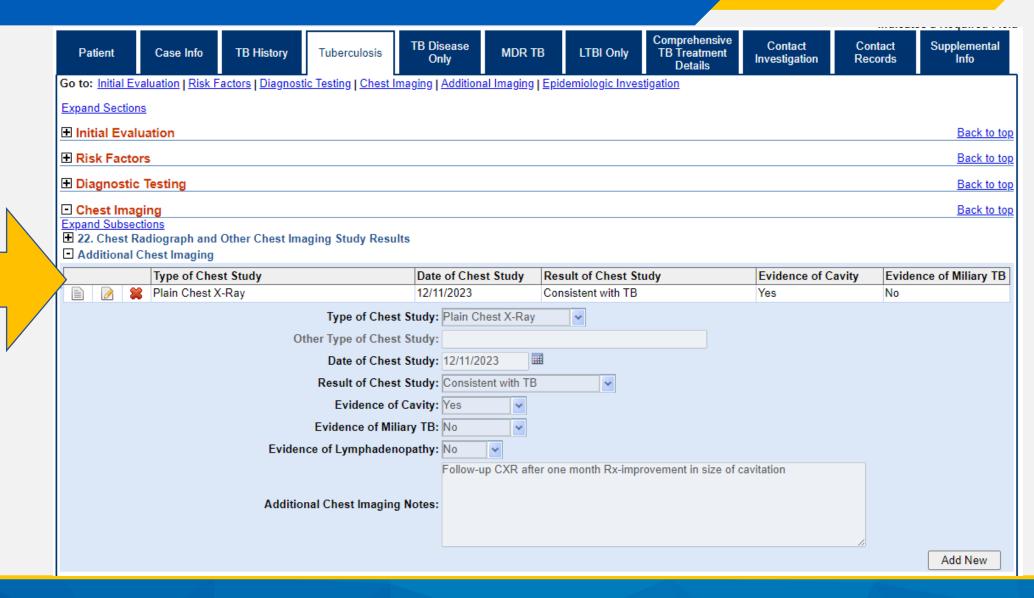
Additional or new lab results should be entered in the Lab Interpretive Repeating Block.

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.

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).

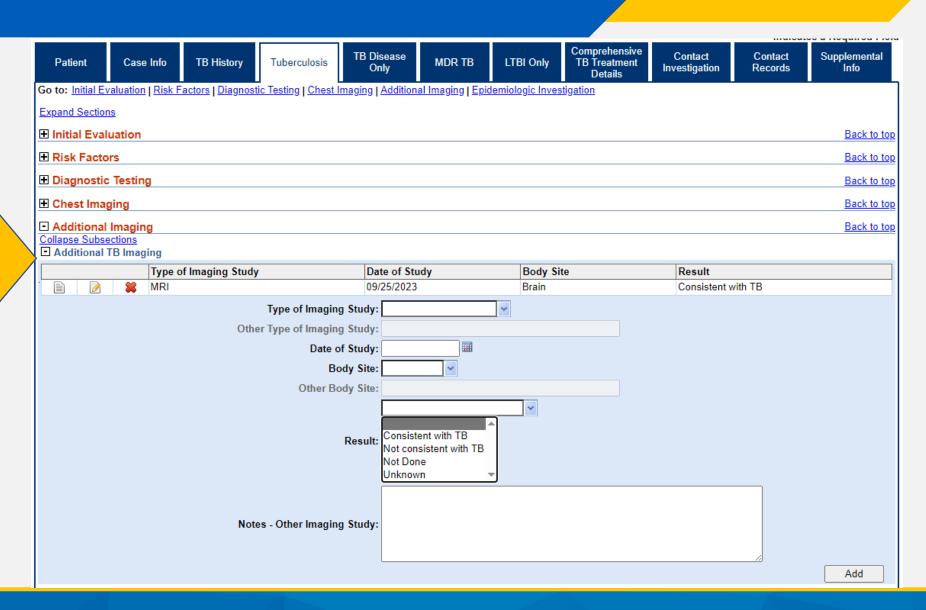


Additional chest imaging studies should be entered in the Additional Chest Imaging subsection.

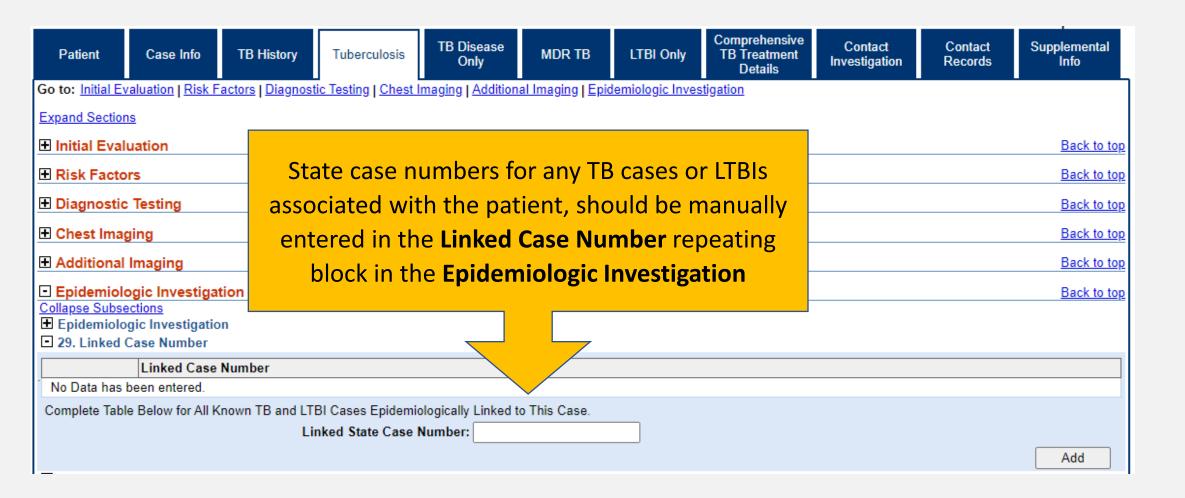


Tuberculosis Tab

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



Tuberculosis Tab



Demo Part 3

Tuberculosis Tab

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Course Number 2, Demonstration Part 3: Tuberculosis Tab

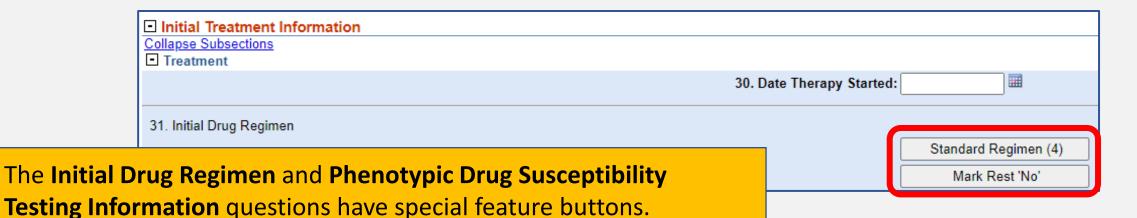
NICOSS Tuberculiosis (TIII) Training Course for Public Health Regions and Local Health Departments (RVLHOs) Texas Department of State Health Services

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

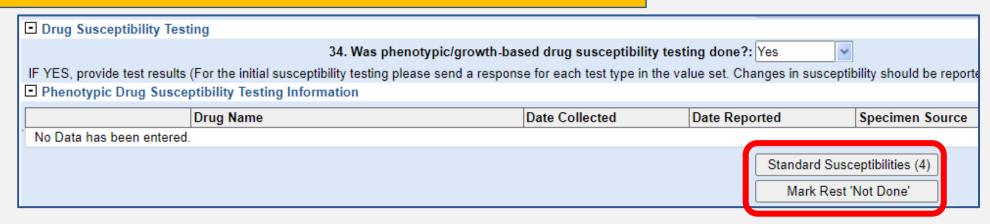
Patient	Case Info	TB History	Tuberculosis	TB Dis		MDR TB	LTBI Only	Comprehensive TB Treatment Details	Contact Investigation			
Go to: Clinical History and Findings Initial Treatment Information Genotyping and Drug Susceptibility MDR TB Case Case Outcome												
Expand Sections												
	□ Clinical History And Findings											
	Collapse Subsections ☐ Symptom Onset and Site of TB Disease											
	24. Date	e of Illness Onse	et or Symptom Sta	rt Date:		=			1			
	25.	. Site of TB Dise	ase (select all that	t apply):	Accessory sinus Adrenal gland Anus Appendix Selected Values:							
	Other 25.	Site of TB Dise	ase (select all that	apply):								
⊞ Initial Treat	ment Informat	tion										
⊞ Genotyping And Drug Susceptibility												
⊞ MDR TB Ca	⊞ MDR TB Case											
⊞ Case Outco	ome											

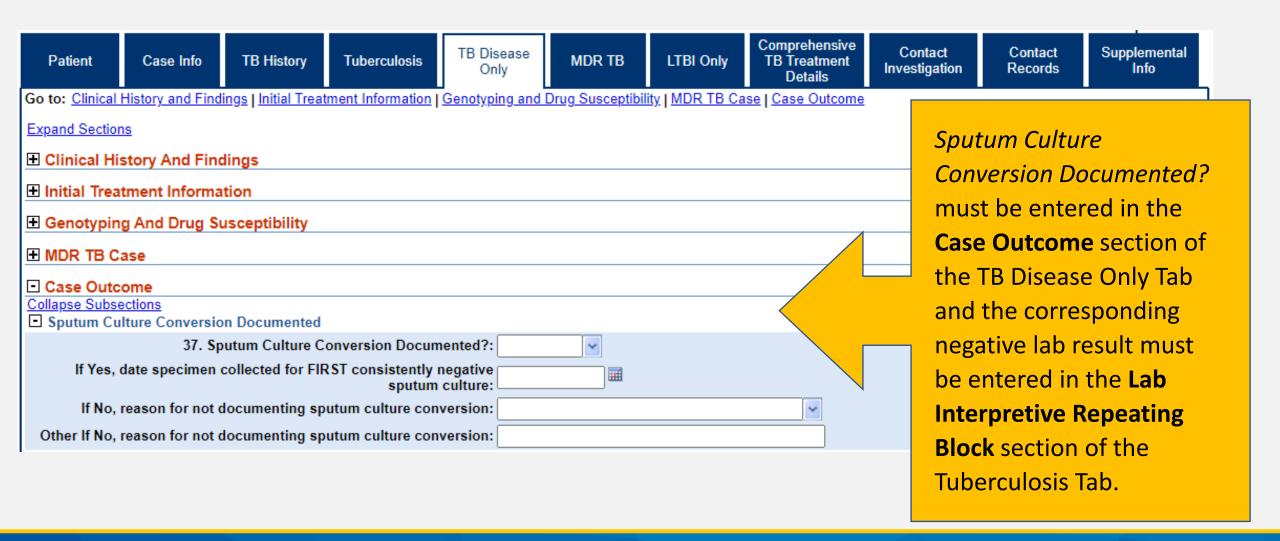
The TB Disease Only
Tab contains initial
treatment, drug
susceptibility, genotype,
sputum conversion,
treatment completion,
and moves during
treatment information.

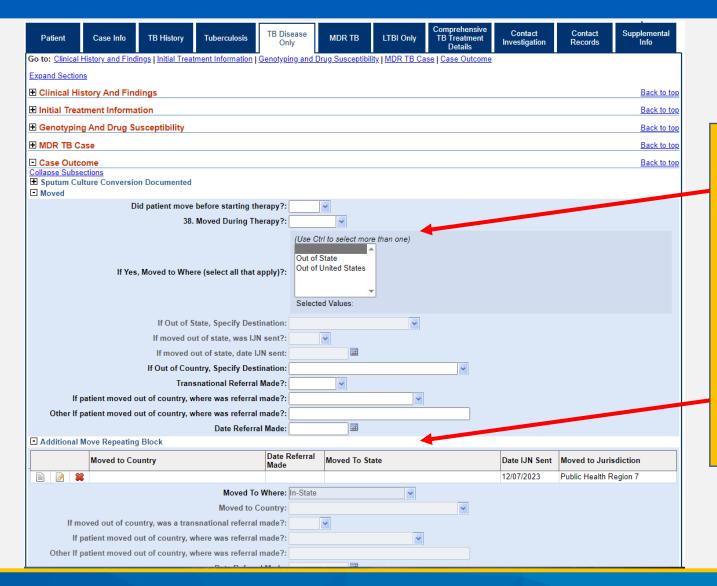
The TB Disease Only Tab can only be edited in Tuberculosis (2020 RVCT) Investigations.



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





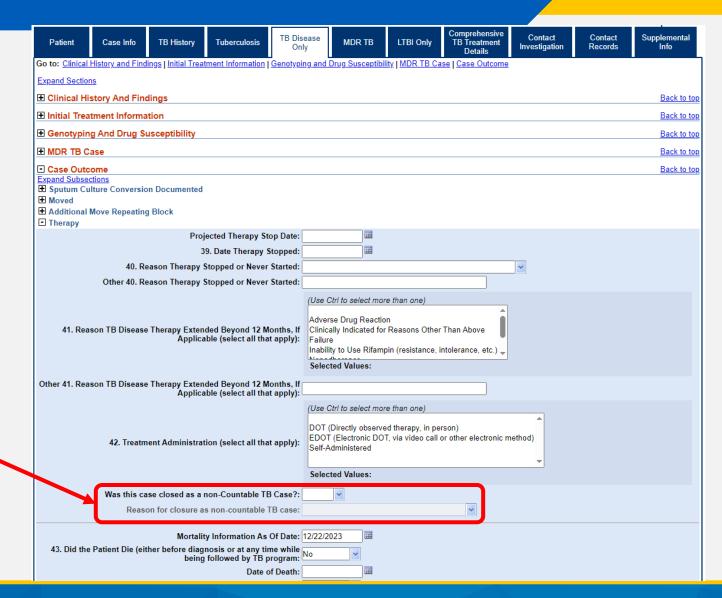


The first Out of State or Out of Country move should be entered in the **Moved** subsection.

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

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

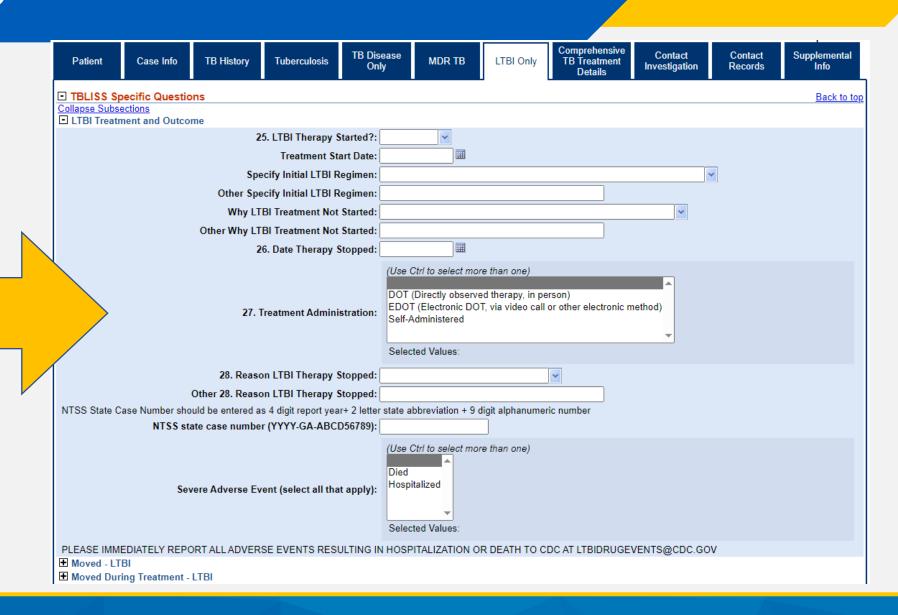
The MDR TB Tab is equivalent to the RVCT MDR TB
Supplemental Form.
It should be entered for *all* TB cases that second line drugs are used for <u>ANY</u> reason.

	Patient	Case Info	TB History	Tuberculosis	TB Disease Only	MDR TB	LTBI O	Comprehensive TB Treatment Details	Contact Investigatio	Contact Records	Supplemental Info
ſ	■ Multi-Drug Re	sistant (MDR)	_	_		_		-	_		
- [Collapse Subsection	ons .									
	■ MDR Treatmen	t Course			111-4	-					
					History of Treatmer						
					MDR TB Therapy St		• =				
				Primary R	esistance or Secon	dary/Acquired Re	esistance:		*		
	3. Drugs Ever l		atment								
		Drug								Length of Time Admini	stered
X	No Data has bee	n entered.									
							Drug:		*		
						01	ther Drug:				
					Len	ngth of Time Adm	inistered:	~			
1	- MDD T										
	■ MDR Treatmen	t Course Continue		diagtion Stannad //	If no injectable drug	in ware used less	o blank \				
		4. 1	Date Injectable Me		-						
					5. Was Surgery Per						
						If Yes, Date of	f Surgery:	=			
П	■ 6. Side Effects	T					1				
-	No Data has bee	Side Eff	ect				Side	Effect Experienced			
	No Data has bee	n enterea.									
							de Effect:		~		
						Other Si	de Effect:				
						Side Effect Exp	erienced:	~			
							When?:	~			

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

Pa	tient		Case Info	TB Histor	ry Tuberculosis	TB Disease Only	MDR TB	LTBI On	Comprehe TB Treat Detai	ment	Contact Investigation	Contact Records	Supplemental Info
Expan	nd Sub BI Tre	osecti eatme	ent and Outco										Back to to
⊡ M o	oved [Durin	Did pa g Treatment -	Did patier	before starting LTBI t at move during LTBI t		~						
			Moved To W	/here?	Moved to Country	If moved out of country, was a transnational refe	of If moved out country, whe referral mad	re was	Date Referral Made	Moved	to State	Was IJN sent?	IJN Sent Date
		8	In-State Out of State							Arkansa		Yes Yes	10/20/2023 12/04/2023
			ved out of cou	out of count	Was I.	Country: al made?: al made?: ral Made: to State: UN sent?:			•		5	165	12/04/2023
													Add

Demo Part 4

TB Disease Only, MDR TB, and LTBI Only Tabs

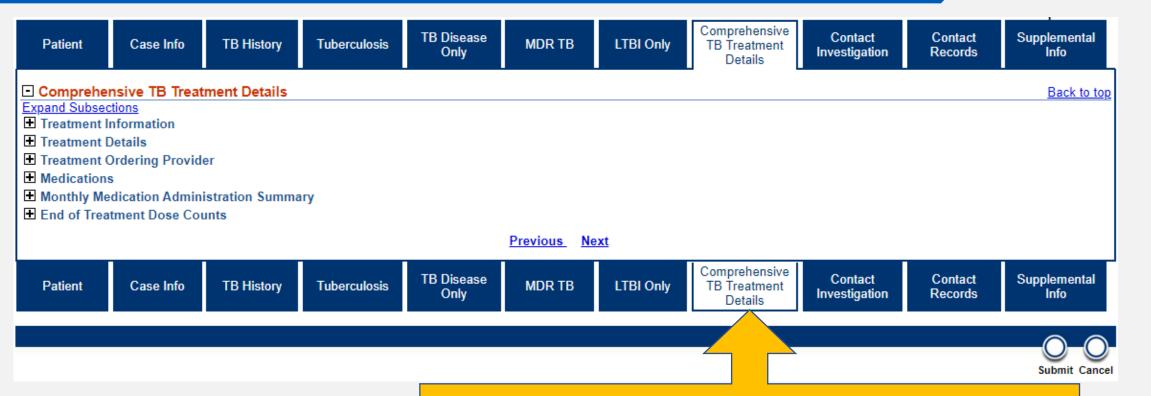
https://vimeo.com/901264754/04e92a1796?share=copy



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

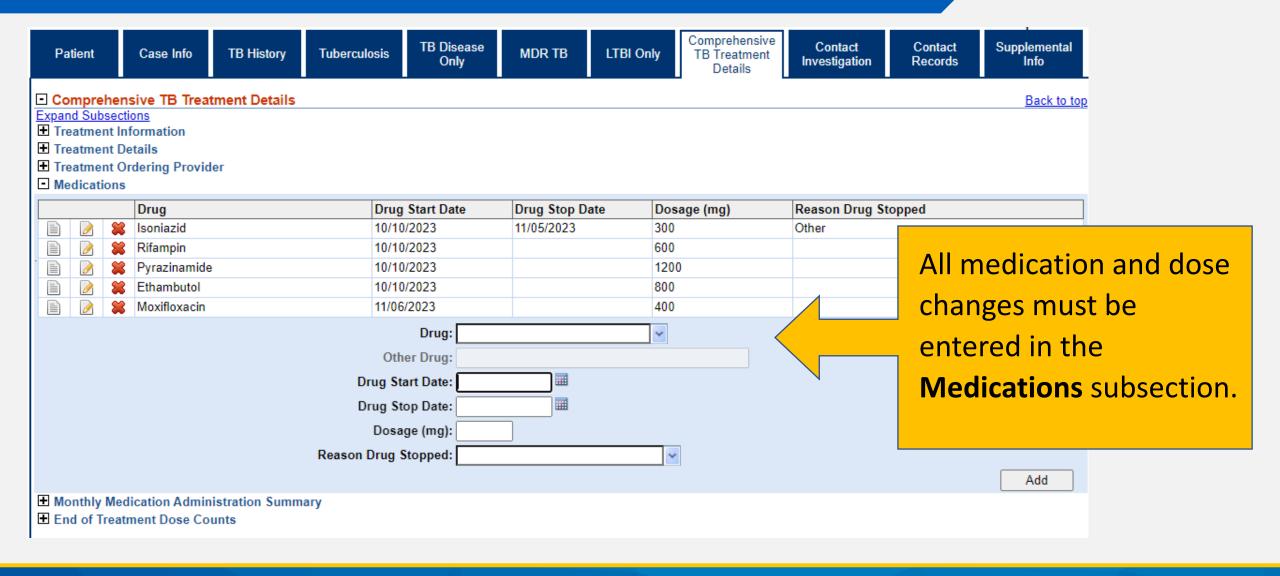
NEDGS Tuberquionis (TB) Training Course for Public Health Regions and Local Health Departments (R/LHDs) Texas Department of State Health Services

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



Comprehensive TB Treatment Details Tab

Patient	Case Info	TB History	Tuberculosis	TB Disease Only	MDR TB	LTBI Only	Comprehensive TB Treatment Details	Contact Investigation	Contact Records	Supplemental Info		
Expand Subsection Treatment In Treatment Control Treatment Control Medications	nformation Details Ordering Provid	er	ary						sho	uld be er	T log doses ntered in the edication	
	Medication Administered Month	Medication A	Administration Sit	e TB Medicatio	n Delivery Type	Number of Targeted Doses	Number of DOT (DOT/VDOT) Doses Taken (include dai	Number SAT (SAT/F) Dos n	Nun	Administration Summ subsection.		
No Data has l	been entered.											
	per of DOT (DOT	Medic TB No VVDOT) Doses SAT (SAT/ESAT	tion Administered ation Administrati Medication Delive umber of Targeted Taken (include da equiv () Doses Taken (M Number of Missed	on Site: Ty Type: Doses: ily dose valents): onthly): Doses:			~		Adr alw of t		the first date	
Find of Tree	tment Dose Cou	ınte										

Demo Part 5

Comprehensive TB Treatment Details Tab

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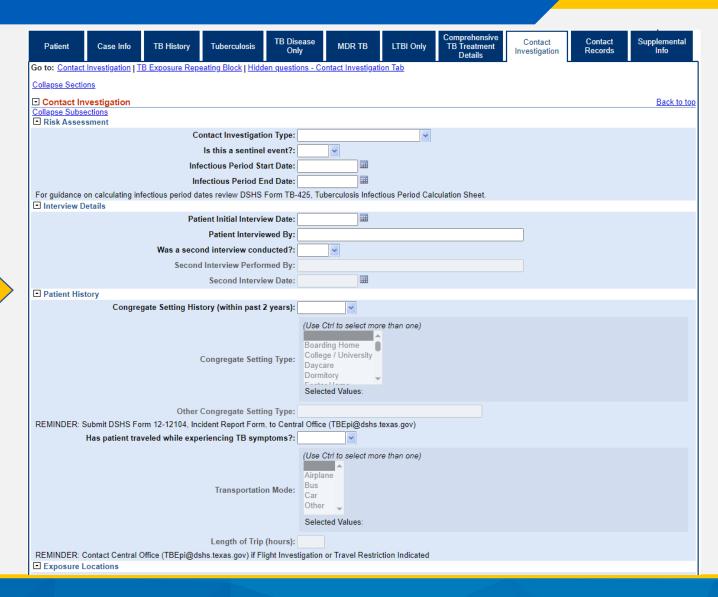
Course Number 2, Demonstration Part 5: Comprehensive TB Treatment Details Tab

NICOSS Tuberculosis (TIII) Training Course for Public Health Regions and Local Health Departments (R/LHOs) Texas Department of State Health Services

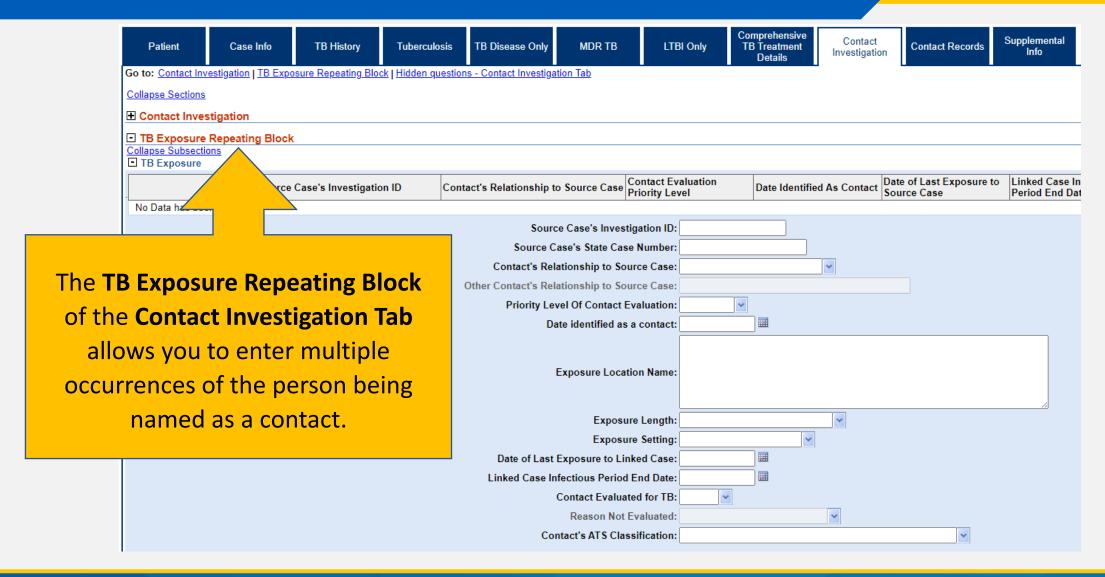
Review these tabs: TB Disease Only, MDR TB, LTBI Only, and Comprehensive TB Treatment Details

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



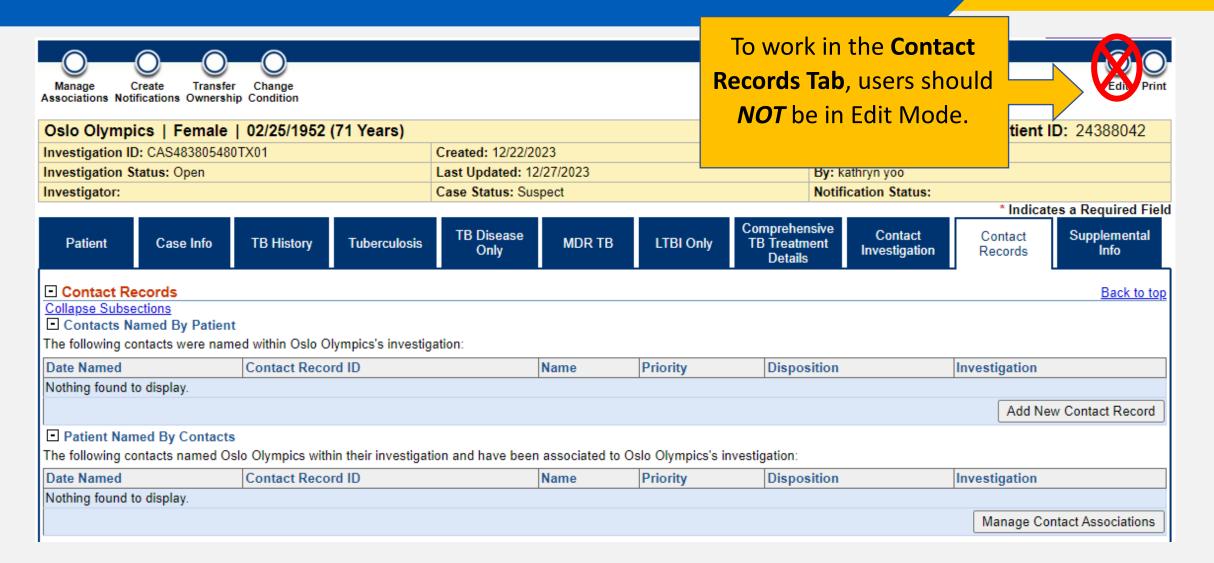
Contact Records Tab

Associations Notifications Ownership Condition

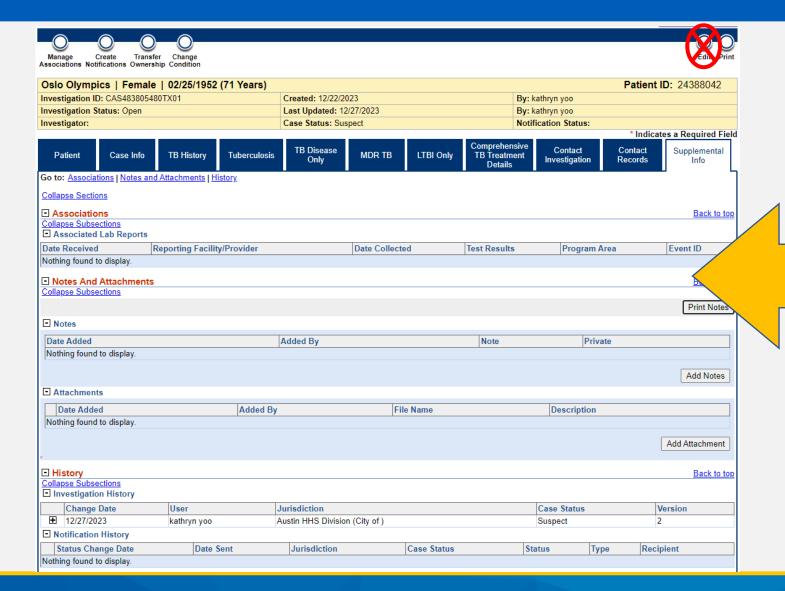


The **Contact Records Tab** is where users will link contacts to their index case and be able to view any index case that named the contact.

Contact Records Tab



Supplemental Info Tab



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

NEDSE Tuberculosis (TB) Training Course for Public Health Regions and Local Health Departments (R/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