

# OREGON HEALTH AUTHORITY

# **Tuberculosis Program**

# TB Case Report & Data Entry Manual

TB CASE REPORT & DATA ENTRY MANUAL



Beginning January 1, 2019, LPHAs must submit all TB case reports electronically via Orpheus (The Oregon Public Health Epidemiologists' User System). After this date, the TB Program, Oregon Health Authority (TB-OHA) will no longer accept paper reports.

Suspected or confirmed TB cases must be reported to TB-OHA via Orpheus within 5 business days after the report is received by the LPHA. TB-OHA uses the TB module in Orpheus to collect data on TB cases and contacts. This data is reported to the CDC and analyzed internally for statewide TB control and prevention activities.

These instructions describe using Orpheus to report TB cases and give detailed instructions on how to open a case and complete data entry. More detail about data definitions are available on the CDC website at <a href="https://www.cdc.gov/tb/programs/rvct/default.htm">https://www.cdc.gov/tb/programs/rvct/default.htm</a>. These instructions are not a substitute for expert clinical opinion or CDC guidelines on medical TB management. Please contact TB-OHA with questions on TB diagnosis and case management.

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# **The TB Case Report: Overview**

Beginning January 1, 2019, all TB case reporting will be completed in Orpheus. Faxed or e-mailed paper reports will no longer be accepted after this date.

# When to report

Make a report in Orpheus within 5 business days whenever:

- $\checkmark$  A patient is started on multidrug therapy for TB or
- ✓ A patient has a positive nucleic acid amplification test (NAAT, MTD, Xpert MTB/RIF) or positive culture test for M. tuberculosis complex or
- ✓ A patient has a pathology report consistent with tuberculosis

# When to update

The case record should be updated when the case is confirmed to have TB disease or TB is ruled out. If the case did not have a positive lab but was started on treatment, a TB diagnosis is typically confirmed if the patient improves after two months of treatment. Update and close the record when treatment is complete.

# How to report

Report confirmed cases of TB by opening a TB case in Orpheus and completing data entry. If an LPHA receives a lab confirmation of TB disease or a report from a provider indicating TB treatment is being started, the LPHA should open a case in Orpheus and complete patient demographic information and the following tabs in their entirety according to the information available at the time of report:

- 1. Admin
- 2. Labs
- 3. Clinical
- 4. Treatment
- 5. Risks
- 6. Follow-up

Contact data entry is covered in <u>Section 4</u> of this guide.

# If an LPHA receives a confirmed or presumptive report from a provider or lab

The LPHA should attach to the Docs tab copies of the radiology report, pathology reports, and/or lab reports generated at any lab other than the Oregon State Public Health Lab. If the above documents are not available at time of report, attach them immediately upon receipt.

If the case is laboratory confirmed at time of report (i.e., there a positive NAAT or culture

lab result), enter verification status "Confirmed." If the case is not confirmed at time of initial report, enter status as follows:

- If the case has started treatment but is not a confirmed case, enter "Unconfirmed, started Tx";
- If the case is neither confirmed nor started on treatment, status can be entered as "Presumptive" at the LPHA's discretion. This status is optional and for LPHA tracking purposes only. Data collection and entry for Presumptive cases is not required.

# If TB-OHA receives a confirmed lab report via ELR or fax

The TB Epidemiologist will open a case in Orpheus and enter the verification status, lab results, and demographic information from the lab report.

The TB Epidemiologist will notify via e-mail the LPHA responsible for the case.

The LPHA nurse case manager will complete demographic information and the following

tabs in their entirety, as applicable, within five business days of report:

- Admin
  - Labs
- Clinical

- Treatment
- Risks
- Follow-up

# **Case confirmation**

Once a TB case is confirmed (whether confirmed at time of report or after confirmation by subsequent lab report or provider verification), the TB Epidemiologist assigns a case number and count date. The Epidemiologist follows-up with the LPHA to complete any information missing in the case record.

LPHA staff attaches to the Docs tab supporting documentation (e.g., radiology reports, case notes, or lab reports originating from labs other than OSPHL) as deemed relevant by the TB nurse case manager and/or TB-OHA staff;

- The TB Epidemiologist processes ELRs, edits ELRs, and attaches them to the case Labs tab unless another arrangement has been made with the LPHA in advance;
- LPHA staff documents completion of treatment in Orpheus.

# If TB is ruled out

If an unconfirmed case on treatment or a presumptive case is ruled out as TB, the LPHA or TB-OHA changes the case status to "No case" and creates a note in the Orpheus case record explaining and documenting the change of status.

# **Data Quality Assurance (QA)**

TB-OHA conducts case QA review of Orpheus case and contact investigation records to ensure completeness and accuracy. Based on QA review, TB-OHA may request data completion by an LPHA to meet deadlines for CDC reporting and local surveillance analysis.

# **Case Closure**

The LPHA enters case closure information on the Treatment tab including date treatment stopped, reason treatment was stopped, and DOT status. The TB Epidemiologist will calculate and enter weeks of DOT.

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# **Case reporting in Orpheus**

# **Case reporting in Orpheus requires completion of the following information and tabs**

- $\checkmark$  Demographic information
- ✓ Admin Tab
- ✓ Labs Tab
- ✓ Clinical Tab
- ✓ Treatment Tab
- ✓ Risks Tab
- ✓ Follow-up Tab

Case creation and data entry are outlined in detail in the following sections.

# **Creating the case report**

✓ On the Orpheus home page, click on ▲ New Case Investigation to create a new case record. A pop-up window will appear. Complete the following fields:

Disease	Select TB from the dropdown.	Disease
0	Enter asso confirmation status. See page 5	
Case Status	for status assignment guidelines.	Case Status
	<ul><li>Confirmed</li><li>Unconfirmed, started tx</li><li>Presumptive</li></ul>	
Name	Enter first and last name.	Last Name First Name Middle
Date of Birth	Enter date of birth.	DOB
Sex	Enter current sex.	Sex O F O M
Institution of Residence	Enter institution of residence at diagnosis if applicable (correctional facility, long-term care facility or shelter).	Institution of residence
Address	Enter residence address. This will usually be the case's home address, whether permanent or temporary.	Zip Code OR City, State OR County V
	County will auto-populate based on Zip co	de.

Click "Create Case".

Orpheus will search name and DOB for matching person records. If a list of potential matches appears, check the list for an exact match. If a match appears, click "create case" (1) next to the name to create the new case. If no match appears, click "Ignore Matches – Create Person and Case" (2). If no potential matches are found, the new case window will appear without displaying the potential matches.

If one of these people i a case for, click 'Create more info.	s the person you wan e Case,' or click 'Deta	t to enter ils' for	Initi Wir 123 Dise	al data: nter Pers 4 Main S ease: TE	simmon DOB: St Sandy S		ſ	(2) Ignore Matches Create Person and Case
Last Name	First Name	MI DOB	Sex	Race	Birth Country	Cas	es	
Person	Wesley	M 1/26/2011	М				(1) Create Case	Details

## **Demographic Information**

✓ Enter demographic information on the central panel that appears on every page of the TB module. Every field above the "STATE USE ONLY" area is required. Most fields are filled by choosing from the drop-down options. Choose from the drop-down options only. Do not overwrite drop-down options with free text. Do not enter any information in the "STATE USE ONLY" fields.

Orpheus Case ID	Auto-generated.	515499			
		May TestCase	20		
		Disease: TB			
		Status: Confirmed	Î.		
Name, Disease,	Auto-populated based on information entered	Verification: Posit	ive Culture 🤅 🤅		
Status, DOB, Age.	in the New Case Investigation window	DOB: 7/7/1974 Age: 43 years			
Status, DOB, Aye,	in the rew case investigation whiteow.				
UEA, Addie33		Deceased: [Not Answered]			
		Sex: F	Pregnancy: No		
		Race: Unknown	Sub:		
Pediatric case	If the case is less than 15 years old, a	Hispanic: Declined			
i cululio cușc	n diatric information how will appear. If the	Birth Country: United States			
	pediatric information box will appear. If the	Language: English			
	pediatric case lived outside the U.S. for two				
	months or more, select "yes" and indicate				
	where the case lived. Enter birth country for	Occupation: Not Seeking Employment (eg. Student, Homemaker, Disabled			
	guardian(s).	Work: student			
	Pediatric TB (≤15 years old)       ×         Lived out of US for >2 months?       Yes       No         Country?	98765 Malaise Portland OR 97 MULTNOMAH Home: 503-333 STATE USE ONLY Count Date: TB Case Number:	Nay 201 -3333 5/5/18		

**Deceased** Enter "No" if case was alive at diagnosis. If the case dies during treatment, update this field with date and cause of death.

**Current Sex** Sex auto-populates as "Current Sex." Sex at birth and gender are optional fields.

Pregnancy	If the case is a female, a Pregnancy box will appear. Enter yes, no, or unknown. If yes, enter estimated due date if known.
Race (REALD)	<i>This item is pending system-wide revision.</i> Enter self-identified Race, Sub-race, and Hispanic ethnicity from the dropdown options. Do not overwrite dropdown options with free text.
Language	<i>This item is pending system-wide revision</i> . Select Language from the dropdown options. If the language is not listed, overwrite the language with free text.
Country of Birth	Select country of birth from the drop-down options. Do not enter free text. Select "United States" if the case was eligible for U.S. Citizenship at birth. If the case is known to be a refugee, click the "Refugee" box.
Occupation and Work	Enter Occupation category from the dropdown options. Enter the case's <u>primary</u> occupation within the past 12 months. If the case had multiple occupations, choose the one the case performed the majority of the time. Enter a brief description of the worksite or job description as free text.
Address and Phone number	Address and phone number auto-populate from the Case Creation Window if entered at case creation. Check and confirm address and LPHA jurisdiction. If jurisdiction appears incorrect, contact TB-OHA. If address and phone number are not entered at case creation, enter these items.

# **TAB: Administrative**

✓ Enter report dates, case epidemiologists, and treating provider information on the Admin tab.

Report Dates	Enter the date the initial report is received by the LPHA. Enter the date the report is made to the State.	Received by LHD:Image: Comparison of the second
Case Epis	By default, the Epi is automatically assigned to the person creating the case. The State Epi is always the State TB Epidemiologist (currently Kiley Aria manager responsible for the case. M in the EPIs dropdown boxes.	EPIS State Epi Kiley Ariail Local Epi ail). The Local Epi is the nurse case ake sure this information is correct
Treating Provider	Specify the treating provider, if know button allows you to search for and s TREATING PROVIDER	wn. Clicking the "+ Provider" select the provider name. + Provider

# **TAB: Lab Summary**

✓ Enter preliminary lab results. All fields are required. Spaces are provided for TST and/or IGRA, Radiology, Sputum smear and culture, NAAT test, and tests of other tissue and body fluids. Do not overwrite any drop-down choices. The choices are set to conform to CDC reporting requirements.

TST/IGRA at Diagnosis	TST: Enter the date placed and result of the TST placed during the current diagnostic evaluation. Previo the result is documented. Incl placed, mark "Not Done".	TST/IGRA at Diagnosis TST: result IGRA: result us positive test results may lude the reading in millime	<i>Date</i> Induration (mm)
	IGRA (Quantiferon or T- spot): Enter the date drawn and result of the IGRA drawn during the current diagnostic evaluation. If not drawn, mark "	RADIOLOGY at Diagnosis         Chest X-Ray:       Result         Chest CT:       Result         Not Done''.	Exam Date If abnormal
Chest imaging at Diagnosis	Enter the chest x-ray and/or of Enter the imaging result: • Normal: NO abnormalities • Abnormal: TB-associated • Unknown: Imagine done, r • Not done If the result is abnormal, ente • Cavitary: Cavitary findings • Miliary: Miliary findings • Both: Both cavitary and m • Neither: abnormal findings	chest CT date in the spaces s consistent with TB abnormalities result unknown er the descriptor: s hilitary findings s, neither cavitary nor milit	provided. tary

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Sputum Bacteriology Enter results of sputum examinations collected as part of the diagnostic evaluation or shortly

SPUTUM		Collection Dt	Result Date
Sputum Smear:	Result		
Sputum Culture:	Result		
Laboratory Type:			

thereafter. Do not record results of specimens collected after case has been on treatment for more than 2 weeks.

### Sputum Smear:

- Enter "positive" if the result of **any** sputum smear is positive for acid-fast bacilli (AFB). If several sputum samples were collected and the result of one or more smear tests is positive, enter the date and result for the first sputum specimen with a positive result.
- Enter "negative" if the results of **all** sputum samples examined are negative. If several sputum samples were collected and all results are negative, enter the date the first negative sputum sample was collected.
- Enter "not done" if it is known that a sputum smear was not done.
- Enter "unknown" if it is not known whether a sputum smear was done OR if results are not known for a reason other than pending results (e.g., result was lost or specimen was contaminated and no other specimen can be obtained).
- If an initial sputum specimen was collected and results are unknown, but later become known, update the results.

### Sputum Culture:

- Enter "positive" if **any** sputum culture is positive for *M. tuberculosis* complex. If several sputum samples were cultured and the result of one or more cultures is positive for *M. tuberculosis* complex, enter the date and result for the first sputum culture with a positive result.
- Enter "negative" if the results of **all** sputum cultures are negative. If several sputum samples were collected and all results are negative, enter the date the first negative sputum culture was collected.
- Enter "not done" if it is known that a sputum culture was not done.
- Enter "unknown" if it is not known whether a sputum culture was done OR if results are not known for a reason other than pending results (e.g., result was lost or specimen was contaminated and no other specimen can be obtained).
- If an initial sputum specimen was collected and results are unknown, but later become known, update the results.

### **Collection Dates:**

- Enter the date the **first** specimen with a positive smear or culture result was collected. If several specimens were tested and one or more were positive, enter the date the **first** specimen with a positive result was collected.
- If no positive result was obtained, enter the date the **first** specimen with a negative result was collected. If several specimens were tested and all were negative for M. tuberculosis, enter the date the **first** specimen with a negative result was collected.

### **Result Date:**

- Enter the date the **first** positive culture result was reported. This date can be found on the laboratory report as the report date or release date.
- If more than one specimen was tested, and all are negative, enter the date the **first** negative result was reported.

**Laboratory Type:** Select the option that best describes the reporting laboratory type

- Public Health Lab: Most often Oregon State Public Health Lab. Any laboratory associated with a state or local health department
- Commercial Lab: Any lab that charges a fee for each specimen processed or test performed (e.g., Quest, Interpath)
- Other: Any other laboratory that is not considered a public health lab or commercial lab. Most often, hospital labs (e.g., Providence, Legacy, OHSU, Kaiser, National Jewish). Also labs associated with federal public health agencies (e.g., CDC, Indian Health Service, or Bureau of Prisons).

Nucleic Acid Amplification Testing (NAAT) NAAT testing may be done on sputum or other primary clinical

NUCLEIC ACID A	MPLIFICATION	Collection Dt	Result Date	
NAAT:	Result			Source of specimen
Laboratory Type:				

specimens. NAAT testing is not done on culture isolates. NAAT results may reference GeneXpert, PCR, or RT-PCR. If a NAAT is performed on more than one primary clinical specimen, enter the results of the first positive test.

Do not overwrite any drop-down choices. The choices are set to conform to CDC reporting requirements.

### **Result:**

- Enter "positive" if **any** NAAT result was positive for M. tuberculosis complex.
  - Any positive result supersedes all other test results (e.g., 1 positive and 2 negatives = positive; 1 indeterminate and 1 negative and 1 positive = positive).
- Enter "negative" if **no** NAAT result was positive for M. tuberculosis complex and at least one result was negative.
  - A negative result supersedes an indeterminate (e.g., 1 negative and 1 indeterminate = negative).
- Enter "indeterminate" if **all** NAAT results were indeterminate (e.g., inconclusive or inhibited).
- Enter "not done" if NAAT was **not** performed.
- Enter "unknown" if it is not known whether a NAAT was performed or if NAAT results are not known for a reason other than pending results.

### **Collection Date:**

- Enter the date the first specimen with a positive result was collected. If several specimens were tested and one or more were positive for M. tuberculosis, enter the date the first specimen with a positive result was collected.
- If no positive result was obtained, enter the date the first specimen with a negative result was collected. If several specimens were tested and all were negative for M. tuberculosis, enter the date the first specimen with a negative result was collected.

### **Result Date:**

• Enter the date the first positive NAAT result was reported. This date can be found on the laboratory report as the report date or release date.

• If more than one specimen was tested, and all are negative or indeterminate, enter the date the first negative or indeterminate result was reported.

### **Specimen Source:**

• Select specimen source from the dropdown options. Do not overwrite options. If you need assistance selecting specimen source, contact the TB Epidemiologist.

### Laboratory type:

• See options above in Sputum Bacteriology.

Smear/Pathology /Cytology of Tissue & Other Body Fluids This section is for recording results of a smear, pathology, or cytology of tissue and/or other body fluids not including sputum. Examples of other tissue/fluid types include bronchial cells and fluid, tracheal aspirate, lymph node, lung tissue or fluid, pleural fluid, cerebral spinal fluid, etc. The specimen entered for smear, pathology, or cytology should have been obtained during a diagnostic workup or shortly thereafter. Do not record specimens collected after the patient has received treatment for more than 2 weeks.

TISSUE & OTHER BODY FLUIDS	Collection Dt	Source of tissue/other specimen:
Lab Test: Pos		Source of specimen
Exam Type: O Smear O Pathology/	Cytology O Both	

Do not overwrite any drop-down choices. The choices are set to conform to CDC reporting requirements.

### **Result:**

- Enter "positive" if any tissue or body fluid other than sputum tests positive by smear examination or shows granulomas, granulomatous inflammation, or other pathologic or histologic findings consistent with TB disease during a pathologic/cytologic examination.
  - If more than one specimen is examined, any positive result supersedes a negative result.
- Enter 'negative' if all specimens of tissue or body fluid other than sputum tested negative by smear examination or showed no evidence of granulomas, granulomatous inflammation, or other pathologic or histologic findings consistent with TB disease during a pathologic/cytologic examination.
- Enter "not done" if no pathologic/cytologic examinations are done.
- Enter "unknown" if it is not known whether tissues or fluid other than sputum were examined or results are not known for a reason

other than pending results (e.g., result was lost or specimen was contaminated and no other specimen can be obtained).

### **Collection date:**

- Enter the date the first specimen with a positive result was collected. If several specimens were tested and one or more were positive, enter the date the first specimen with a positive result was collected.
- Enter the date the first specimen with a negative result was collected. If several specimens were tested and all were negative, enter the date the first specimen with a negative result was collected.

### **Specimen Source:**

• Select specimen source from the dropdown options. Do not overwrite options. If you need assistance selecting specimen source, contact the TB Epidemiologist.

### Exam Type:

- Select the type of exam that corresponds to the result selected above.
  - o Smear
  - $\circ$  Pathology/Cytology
  - o Both
- ✓ Any positive result supersedes a negative result in reporting TB diagnostic criteria. If the results are discrepant (e.g., smear negative, pathology positive) then Type of Exam should correspond to the positive result. If both smear and pathology are positive, "both" should be checked under Exam Type. Likewise, if both smear and pathology are negative, "both" should be checked under Exam Type.

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### Culture of Tissue & Other Body Fluids

"Tissue and Other Body Fluids" does not include sputum. Examples of other tissue/fluid types include bronchial cells and fluid, tracheal aspirate, lymph node, lung tissue or fluid, pleural fluid, cerebral spinal fluid, etc. The specimen entered for culture should have been obtained during a diagnostic workup or shortly thereafter. Do not record specimens collected after the patient has received treatment for more than 2 weeks.

	 Result Date	
Tiss/Oth Culture: Result		Source of specimen
Laboratory Type:		

Do not overwrite any drop-down choices. The choices are set to conform to CDC reporting requirements.

### **Result:**

- Enter "positive" if **any** tissue or body fluid culture other than sputum is positive for *M. tuberculosis* complex. If an initial specimen was collected and results are unknown, but later become known, update the results.
  - If more than one specimen is cultured, any positive result supersedes a negative result.
- Enter 'negative' if **all** tissue or body fluid cultures other than sputum are negative for *M. tuberculosis* complex.
- Enter "not done" if it is known that no tissue or fluid cultures other than sputum were done.
- Enter "unknown" if it is not known whether tissue or fluid cultures other than sputum were performed or results are not known for a reason other than pending results (e.g., result was lost or specimen was contaminated and no other specimen can be obtained).
  - If an initial specimen was collected and results are unknown, but results later become known, update the results.

### **Collection date:**

- Enter the date the first specimen with a positive result was collected. If several specimens were cultured and one or more were positive for *M. tuberculosis* complex, enter the date the first specimen with a positive culture result was collected.
- If no positive result was obtained, enter the date the first specimen with a negative result was collected. If several specimens were tested and all were negative, enter the date the first specimen with a negative result was collected.

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### **Specimen Source:**

- Select specimen source from the dropdown options. Do not overwrite options. If you need assistance selecting specimen source, contact the TB Epidemiologist.
- ✓ The notes box can be used to record any additional detail on tests, tissue specimens, or results.

## **TAB: Labs**

- ✓ This is the tab where lab reports are displayed. Completion of the labs tab <u>is not</u> required to report a case.
- Reports received and processed via ELR will be displayed. Manual addition of reports received via fax or other method can also be uploaded to display here. Processing of ELRs is not covered in this manual.
- ✓ To manually add a lab report received via fax or other method
  - Click + Specimen. A window with fields for lab report details appears.
  - Fill in the laboratory performing the test, the specimen collection date and the report dates. Choose Specimen Type from the dropdown. Overwrite dropdown choices as needed. Fill in Test Type, Result, and Interpretation.

Laboratory:		
Origin. Lab:		
Collection Date:	Collection Date	
Report Date:	Lab Result Date	
Specimen Type:	Туре	~
Test Type:	Туре	~
Test Method:	State Use Only	
Result:	Result	
Interpretation:	Interpretation	
Accession ID:	Accession ID	
Comments		~
		~

# **TAB: Clinical**

✓ Enter clinical information. All fields are required.

Symptomatic	Indicate whether the case displayed symptoms at initial evaluation. If symptomatic, enter date of symptom onset if known. CLINICAL Symptomatic? O Y O N O?
Reason for TB Evaluation	<ul> <li>Enter reason for TB evaluation from the dropdown choices. Do not overwrite dropdown choices.</li> <li>TB Symptoms: Case sought medical care for signs and symptoms consistent with TB (e.g., prolonged persistent cough, fever, lymphadenopathy, night sweats, weight loss).</li> <li>Contact Investigation: Case was evaluated as a result of contact investigation.</li> <li>Targeted testing: Case was evaluated after a positive TST or IGRA administered specifically because the case was considered high risk for TB (e.g., persons from area of the world with high risk for TB) or as a part of a testing program focused on specific groups at high risk for TB. Do not select if another reason (e.g., contact investigation, immigration medical exam, etc.) is more appropriate.</li> <li>Employment/Admin screening: Case was evaluated after a positive TST or IGRA administered for employment at a health care facility. Includes paid and unpaid workers. For health care workers being evaluated for TB disease, this choice supersedes targeted testing and employment/administrative screening. Other situations (e.g., TB symptoms, contact investigation) supersede health care worker.</li> <li>Immigration: Case was evaluated as an immigrant or refugee (B-waiver) on entry to the U.S. or as a status adjuster.</li> <li>Incidental Abnormal CXR/CT or Incidental Abnormal lab result: Case was identified as a result of a clinical evaluation for something other than TB (e.g., bronchoscopy or autopsy). Specimens were collected and tested for diagnostic completeness. TB was not expected.</li> </ul>

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- Unknown: Reason for evaluating the case was not known.
- Other: Enter reason in pop-up box.

Clinical Questions	Enter answers to clinical questions by clicking Ask Clinical Questions and answering the questions in the pop-up boxes. Mark yes, no, or unknown for the following symptoms:				
	<ul> <li>Cough – enter how long the patient has been coughing</li> <li>Fever</li> <li>Night sweats</li> <li>Hemoptysis (bloody sputt)</li> <li>Weight loss – enter amou</li> <li>If the case had a sympton pain, fatigue), enter under</li> </ul>	/ long       CLINICAL QUESTIONS       @ Ask Clinical Questions         symptom       Ary cough       Bloody spather (Hemophysis)         Prefer       Weight loss       Ary cough         Night Sweats       Other       Other         dy sputum)       amount of weight lost       Ary cough (e.g. lymphadenopathy, chest er under "other clinical symptoms".			
Site(s) of Disease	Indicate site(s) of disease by checking the most appropriate option. If site of disease is not listed, choose the site from the dropdown choices in the Other box. Do not overwrite these choices. Contact the TB Epidemiologi needed.	SITES         Pulmonary       Lymphatic: Other       Meningeal         Pleural       Lymphatic: Unknown       Peritoneal         Lymphatic: Cervical       Laryngeal       Soft tissue (Musc         Lymphatic: Intrathoracic       Bone and/or Joint       Site Not Stated         Lymphatic: Axillary       Genitourinary         Other:       Select         Select       Site Not State if	cl		
HIV Status at Diagnosis	Enter HIV status at diagnosis. All cases must be tested for HIV. An undocumented report of HIV status is NOT acceptable TB Epidemiologist.	HIV Status at Diagnosis Test Date HIV Case ID e. If the case is HIV positive, contact the			

# **TAB: Treatment**

Treatment Start Date	Enter date patient started multi-drug therapy.	Date Started
Deceased at Diagnosis	Select the radio button indicating whether the patient was deceased at time of diagnosis.	Deceased at TB Diagnosis O Y O N
Height & Weight	Enter the patient's height and weight at time of diagnosis. Check <90% Ideal Body Weight if appropriate.	Height Weight Solution Solutio
Expected Length of Treatment	Enter the expected length of treatment if known. Use free text.	Expected Tx Length

✓ <u>Date stopped</u>, <u>closure</u>, <u>treatment extension</u>, <u>DOT</u>, <u>DOT weeks</u>, <u>and Provider(s)</u> will be entered when the case completes treatment.

Initial Drug	These fields are for initial	Initial Drug Regimen Drug Name /Comment		Dosage	Frequency	+ Treatment
Pagimon	drug treatment/initiation	Isoniazid (INH)	~	Dosage mg.		×
Regimen	drug treatment/ mitiation	Rifampin (RIF)	~	Dosage mg.		×
	phase regimen only.	Pyrazinamide (PZA)	~	Dosage mg.		×
	Enter only initial/	Ethambutol (EMB)	~	Dosage mg.		×
	initiation phase regimen	Vitamin B6	~	Dosage mg.		×
	mitiation phase regimen.					
	D 1			•	-1	4 * 4 *

Do not change these fields when the drug regimen changes to continuation phase or if treatment changes for any other reason.

The RIPE+B6 regimen is auto-populated in the drop-down boxes. Enter the dosage as numbers only. Enter the dose frequency.

If the case is taking an alternative initial regimen, add a drug to the regimen by clicking **+** Treatment. An additional drop-down will appear. Choose the drug from the dropdown choices. Do not overwrite dropdown choices.

Remove drugs from the initial regimen as needed by clicking the  $\mathbf{x}$  at the end of the drug row

# **TAB:** Risks

✓ Enter answers to <u>risk questions</u> by clicking <sup>● Ask Risk Questions</sup> and answering the questions in the pop-up boxes. Guidance for answering each question is included on the question interface.

# **TAB: Follow-Up**

✓ Enter answers to <u>follow-up questions</u> by clicking <sup>●</sup> Ask Followup Questions and answering the questions in the pop-up boxes.

Immigration Status	TB-OHA does not collect or report immigration status information. If a case was born outside of the United States, Immigration Status at Entry to U.S. and Immigration Status Current should be entered a	Question Immigration - At Entry to US Immigration - Current as "Unknown."
Immigration Date	Enter date of entry to US if known. Enter month and year in the format MM/YYYY. If month is unknown but year is known, enter 99/ and year are unknown, enter 99/9999.	Date of Entry to US
Health Insurance	Indicate if the case has health insurance. If yes enter plan name in free text.	Health Plan Health insurance

# 3

# **Closing a Case in Orpheus**

When treatment is complete, close the case by completing information in the following tabs:

- ✓ Treatment
- ✓ Central Static Pane
- ✓ Admin

# **CLOSURE TAB: Treatment**

Treatment Stop Date	Enter the date the patient stopped treatment. This is the date on which the patient last ingo suspected TB.	Date Stopped
Closure Reason	<ul> <li>suspected TB.</li> <li>Enter <u>Closure reason</u>. Select closure reason from the dropdown choices. Do not overw</li> <li>Completed therapy: Case com</li> <li>Lost: Case could not be locate (e.g., the case moved to an un address is known but the case Code cases who move outside as "Other".</li> <li>Uncooperative/refused: Case stopped taking drugs).</li> <li>Adverse treatment event: Trea because of an adverse event d</li> <li>If the case died because of Closure reason: "Died" Deceased: "Yes" in the "Related to Treatment"</li> </ul>	Closure rite choices. pleted prescribed course of treatment. ed before the start or end of treatment known location or the forwarding could not be located at that address). e the U.S. and cannot be followed up refused to complete treatment (e.g., atment was permanently stopped lue to anti-TB medications. an adverse TB treatment event, select: ' and then select e static demographic panel and ' for reason for death.
	<ul> <li>Not TB: Diagnostic evaluatio TB (e.g., M. avium was isolat</li> <li>Died: Case was alive at diagn completion of treatment.</li> <li>Other: Treatment was discontin the above choices and is not us and the receiving state never for as would cases who move inter to international relocation.</li> </ul>	n did not substantiate the diagnosis of ed from a clinical specimen). osis but died before the start or nued for a known reason not included in nknown. A case who moved out of state ollowed up would fall into this category, ernationally and are lost to follow-up due

Treatment Extension	<ul> <li>Enter reason for treatment extension if duration of treatment was greater than 12 dropdown choices. Do not ove</li> <li>Rifampin resistance: Rifar requiring a treatment proto</li> <li>Adverse drug reaction: Ad therapy.</li> <li>Non-adherence: Non- adhe months (e.g., treatment int</li> <li>Failure: A sputum specime months after treatment beg</li> <li>Clinically indicated – othe adverse drug reactions incl other criteria specified by</li> <li>Other: Reason does not incl</li> </ul>	Treatment Ext. months. Sele erwrite choic npin-resistan ocol lasting n lverse drug re- erence resulte erruption). en tested cult gan. er reasons: Cl lude CNS TH clinician. clude any of	ect closure reason from the es. It or multi-drug resistant TB hore than 12 months. eaction that prolonged ed in treatment beyond 12 rure positive four or more inical indications other than 3, severe liver disease, or the choices listed above.
Provider Type	Enter the type(s) of medical protothat provided treatment.	ovider(s)	Provider(s)  Local/State Health Department (HD) Private Outpatient IHS, Tribal HD, or Tribal Corporation Institutional/Correctional Inpatient Care Only Unknown Other
Directly Observed Treatment (DOT)	<ul> <li>Enter Directly Observed Therapy. Select observation type from the dropdown choices. Do not overwrite choices.</li> <li>Totally directly observed: A a case who was taking med medication 7 days a week a days (e.g., case self-admini</li> </ul>	DOT Wee DOT Wee Applies if DO ication. Also and DOT was stered on we	OT was used for all doses for applies if a case was taking s used for at least 5 of those ekends and holidays).

### TB CASE REPORTING & DATA ENTRY MANUAL

- Totally self-administered: Applies if NO doses of medication were given under direct supervision.
- Both: Applies if the case self-administered any doses while taking medication. Does not apply if the case was taking medication 7 times a week and DOT was used for at least 5 of those doses. Response also applies if case took several months of DOT and several months of self-administered treatment.
- ✓ DOT weeks will be calculated and entered by the TB Epidemiologist.

# **CLOSURE: Central Panel**

### Deceased

If closure reason	DOB:		×
on the Treatment	Age:		Deceased?
tab is "Died",	Deceased: [N	Not Answered]	O Yes O No Date
enter Deceased =	Sex:		Cause
"Yes" and	Race:	Sub:	

indicate date of death and cause of death from the dropdown choices. Do not overwrite dropdown choices.

- Related to TB Disease: TB was the immediate cause, TB was an underlying cause, or TB was another significant condition contributing to death (even if TB was not the main cause of death).
- Related to TB Therapy: An adverse treatment event was related to the cause of death.
- Unrelated to TB disease: TB was NOT the immediate cause, an underlying cause, or another significant condition contributing to death.
- Unknown: Cause of death was unknown.

# **CLOSURE TAB: Admin**

LHD Completion Date	Enter the date case was closed and case record completed by the Local Public Health Authority. The TB Epidemiologist will enter the State Completion Date:
Moved During Treatment	If case changed       MOVED       Yes       No       Out of US-Transnational Referral         primary residence       Where?       City       City         during treatment, enter       County       State         that information.       State       State
	<ul> <li>Enter "No" if case did not move during treatment.</li> <li>Enter "No" if the patient moved within the same local public health authority jurisdiction during treatment.</li> <li>Enter 'Yes" if the case moved to another jurisdiction. <ul> <li>Select "In-state, out of jurisdiction" if case moved within the state but out of the original treating jurisdiction. Enter the city and county to which the case moved.</li> <li>Select "Out of state" if case moved from the original treating state to another of the 50 United States or the District of Columbia or to a U.S. Territory, U.S. Island Area, or a U.S. Outlying Area. Enter the name of the state or reporting area to which the case moved.</li> </ul> </li> <li>Select "Out of the U.S." if the case moved from the U.S. to another country. Enter the name of the country to which the case moved. Also check the "Out of US-Trasnational Referral" box if a transnational referral was made.</li> </ul>

# **Contact Investigation Data Entry** Three Essential Points

- ✓ LPHAs are required to enter contact investigation information directly into the Contact Investigation tab in Orpheus. LPHAs are not required to submit the TB Contact Investigation Form to the State TB Control Program.
- ✓ LPHAs are free to use the TB Contact Investigation Form to 1) prioritize the follow-up of contacts and 2) track the evaluation and treatment of contacts, however, use and submission of the form is not required. The form is available on the State TB Control Program website at:

https://public.health.oregon.gov/DiseasesConditions/Communica bleDisease/Tuberculosis/Documents/formdoc/contactformRIF.pdf

✓ The following data entry instructions are not a substitute for guidelines about TB diagnosis, treatment, or control. Please refer to "Guidelines for the Investigation of Contact of Persons with Infectious Tuberculosis" (MMWR December 16, 2005 vol. 54, no. RR-15) for the current CDC guidelines on conducting a contact investigation. Always feel free to consult with the TB Program, OHA for technical assistance or advice on conducting a contact investigation.

# **Contact Investigation Data Entry comprises the following** types of information in the Contacts Tab:

- ✓ Case Infectiousness Information
- ✓ Data Submission Dates
- ✓ Contact Demographics
- ✓ Contact Risks
- ✓ Contact Medical Evaluation
- ✓ Contact Treatment and Final Status

Please note that all screenshots contain fictitious data

# **CONTACTS TAB: Layout**

The Contacts tab has four distinct areas:

- ✓ An administrative area ("Date Submitted")
- ✓ A case-specific area ("Case Information" and "Infectious Period")
- ✓ A clickable list of contacts
- ✓ A contact-specific detail screen with seven tabs.

CUNTACTS											土 Im	iport 🟦 I	Expor
Case Information	S	ource	Case I	nvestigati	ion? 🗌				Infectiou	is Period	Date	e Submitted	í
Contact Inv Need:	High (sputum-s	near	pos a	nd/or ca	vitary or laryng	eal)		~	Start		Initial	1	
No Contacts:								~	End		Final		
Ione Elicited 🗌 🔡	Contact List	Sum	nmary					+ Cor	ntact	🖍 Followup	s 🛲	Contact I	Dupe
lame	,	ge	Sex	Ref	Done			-					
ent, Clark		7	М										×
regon, Sandy		ê j	F										×
						I							
Demographics	Contac	Risk	ks		Evaluation	Trea	atment / Final S	itatus	Notes	L	inks	Do	cs
Demographics	Contac	Risk	ks		Evaluation	Trea	atment / Final S	itatus	Notes	L.	inks Show Persor	Do n E Creat	CS e Case
Demographics	Contac Kent, Clark	Risk	ks		Evaluation DOB: 1/1	/1950	atment / Final S	itatus	Notes	L	.inks Show Persor	Do n ECreat	CS e Case
Demographics	Contact Kent, Clark	Risk	ks		Evaluation DOB: 1/1 Age: 67	/1950	atment / Final S Race: Hispai	itatus	Notes	L 2; ;	inks Show Persor	Do n Treat	CS e Case
Demographics	Contac Kent, Clark 1234 Main S Hood River,	I Risk	ks 7201		Evaluation DOB: 1/1 Age: 67 Sex: M	/1950	atment / Final S Race: Hispan	itatus	Notes	L	.inks Show Persor	Do n 🖭 Creat	CS e Case
Demographics	Contac Kent, Clark 1234 Main S Hood River,	t DR 97	ks 7201		Evaluation DOB: 1/1 Age: 67 Sex: M	/1950	atment / Final S Race: Hispan	itatus	Notes	L	inks Show Persor	Do n ECreate	CS e Case
Demographics	Contac Kent, Clark 1234 Main S Hood River, [Add Phone	t t nfo]	ks 7201 ]		Evaluation DOB: 1/1 Age: 67 Sex: M Birth Col	/1950 untry:	atment / Final S Race: Hispan	itatus nic:	Notes	L	inks Show Persor	Do n 💽 Creati	CS e Case
Demographics	Contac Kent, Clark 1234 Main S Hood River, [Add Phone	i Risk i DR 91	ks 7201 ]		Evaluation DOB: 1/1 Age: 67 Sex: M Birth Co Date of F	/1950 untry:	atment / Final S Race: Hispan	itatus	Notes	L 	inks Show Persor	Do n 💽 Creat	CS e Case
Demographics	Contac Kent, Clark 1234 Main S Hood River, [Add Phone	t Risk t DR 97	ks 7201 ]	ounty: Ho	Evaluation DOB: 1/1 Age: 67 Sex: M Birth Col Date of E Last Exc	/1950 untry: entry: posed:	atment / Final S Race: Hispat	itatus	Notes	L 	inks Show Persor	Do E Creat	CS e Case
Demographics	Contac Kent, Clark 1234 Main S Hood River, [Add Phone	t Risk t DR 97	ks 7201 ]	ounty: Ho	Evaluation DOB: 1/1 Age: 67 Sex: M Birth Col Date of E Last Exp	/1950 untry: Entry: posed:	Race:	itatus	Notes	L	inks Show Persor	Do Creat	CS e Case
Demographics	Contac Kent, Clark 1234 Main S Hood River, [Add Phone Transfer Status 4:170	t Risk t DR 97	ks 7201 ] Ci	ounty: Hor	Evaluation DOB: 1/1 Age: 67 Sex: M Birth Coi Date of E Last Exp	/1950 untry: entry: sosed:	alment / Final S Race: Hispan	itatus	Notes	ـــــــــــــــــــــــــــــــــــــ	inks Show Persor	Do n Treate	CS e Case

### Submission Dates

### Initial Data:

Enter initial data within 4 weeks of case report and after first round screening (<8 week TST/IGRA). Document initial data entry in the Date Submitted field.

Date Subm	nitted
Initial	
Update	
Final	

### Follow-up Data:

Enter follow-up data within 4 months of case report, after evaluation is complete for all contacts. Document follow-up data entry in the Date Submitted field.

### Final Data:

Enter final data after all contacts who started treatment for LTBI have completed treatment or have stopped treatment for other reasons. Document final data entry in the Date Submitted field after all contacts have been fully evaluated and finished treatment, as applicable. **Case Specific** Information: Contact Investigation Need

The State TB Epidemiologist will review each case of active TB and assign a Contact Investigation Need level (CI Need). This information is located at the top of the Contacts tab on the Case record in Orpheus.

Priority level for a contact investigation is assigned on the basis of disease characteristics and lab test results. Contact investigation is required for any potentially infectious case.

- High: Case is sputum-smear positive and/or has radiologically confirmed cavitary disease and/or laryngeal disease. Contact investigations must be initiated within 72 hours in these cases.
- Medium: Case has sputum-smear negative, culture positive • pulmonary and/or laryngeal disease. Contact investigations must be initiated within 72 hours.
- Low: Case has sputum-smear negative, culture negative pulmonary • or pleural disease. A contact investigation is recommended. If resources do not allow, please notify TB Program, OHA.
- None: All others, pulmonary involvement ruled out. Contact • investigation is not indicated.

Case Specific Information:	An estimate of the infectious period start date	e and ei	nd date is required.
Information: Infectious Period	<ul> <li>Infectious Period Start Date <ul> <li>A conservative method to estimate the start date is to use the date three months prior to either the onset of symptoms or the first positive finding consistent with TB disease, whichever is first. Positive findings consistent with TB include, but are not limite positive NAAT, positive culture for MTB, ab with TB, and initiation of treatment for TB.</li> <li>Infectious Period End Date</li> <li>The end date can be determined as the date of 6 5 days and :</li> <li>has 3 consecutive AFB sputum-smear specimens collected a minimum of 8 1 negative culture result.</li> </ul> </li> <li>Note: this end date is for the purposes of consclinical decisions for removing patients from the above</li> </ul>	Inf Start End d to: po normal n which n by D r negati hours a tact inv isolatio	fectious Period

	For more information on estimating the infectious period, refer to guidance located at <a href="https://www.cdc.gov/tb/education/ssmodules/pdfs/Module8.pdf">https://www.cdc.gov/tb/education/ssmodules/pdfs/Module8.pdf</a> and <a href="https://www.cdc.gov/mmwr/preview/mmwrhtml/rr5415a1.htm">https://www.cdc.gov/tb/education/ssmodules/pdfs/Module8.pdf</a> and <a href="https://www.cdc.gov/mmwr/preview/mmwrhtml/rr5415a1.htm">https://www.cdc.gov/tb/education/ssmodules/pdfs/Module8.pdf</a> and <a href="https://www.cdc.gov/mmwr/preview/mmwrhtml/rr5415a1.htm">https://www.cdc.gov/tb/education/ssmodules/pdfs/Module8.pdf</a> and <a href="https://www.cdc.gov/mmwr/preview/mmwrhtml/rr5415a1.htm">https://www.cdc.gov/mmwr/preview/mmwrhtml/rr5415a1.htm</a> .
Case Specific Information: No Contacts	<ul> <li>If no contacts were identified, complete this field to document the reason.</li> <li>No contacts identified despite effort to do so</li> <li>Contact follow-up was not done</li> <li>Contacts the same as for another case. Choose this option only if all the contacts for this case are the same as those for another case. In the Notes tab, identify the Orpheus Case ID of the related case.</li> </ul>
Checkbox: No Contacts	Check this box if the case could not or would not identify any contacts for the contact investigation.

# **CONTACTS TAB: Adding Contacts**

✓ Contacts can be entered into Orpheus in two ways. For smaller contact investigations, individual contacts can be entered directly. To save time in larger contact investigations, the Contact Investigation Upload Form may be used. This is a formatted Excel spreadsheet that can by uploaded to Orpheus to auto-populate contact records. For more information about this option, contact the TB Epidemiologist at 971-673-0160.

Adding aA contact is a person whom the health department believes hadContactsignificant exposure and for whom identifying/contacting information<br/>is available.

Add a contact by clicking + Contact above the contact list.

In the next window, enter all known demographic information and click "Create Contact."	Last Name First Name Middle		Unknown Unknown	3
	Sex	○ F ○ M		
	DOB			
	[ or Age	1		
	<ul> <li>Contact Address</li> </ul>			
	Zip Code			
	<ul> <li>City, State</li> </ul>		OR	
	County	Multnomah	]	
		Create Contact	Clear Form	Cancel

Orpheus will search all person records and display a list of possible name and birthdate matches. If a match appears, click "Link this Contact". If no match appears, click "Ignore Match, Create New Person". The new contact now appears in the Contact List.

# **CONTACTS TAB: Contact Demographics**

### **Contact Address**

Clicking the Address field pulls up an Address card. If the contact shares a residence with the case, click "Copy Case Address" to auto-populate the case's residence address into the Contact record. Otherwise, enter all known address information and Save Changes.

Inst	tution of residence			
Address			1	Copy Case Address
Zip Code				
City, State				
County				
Address Type	O Home O Work	○ Mailing ○ Other		
	Cancel	Clear Form	Save Changes	

Age & Sex	Enter the Date of Birth, age and sex of the contact if not already filled.	DOB: 3/4/1956	
		Age: 62	
		Sex: F	

Birth Country & Date of Entry	Birth Country and Date of Entry are essential risk factors and must be completed if possible.	Birth Country: Date of Entry: Last Exposed:
Race & Ethnicity	Enter Race and Ethnicity from the dropdown choices. Do not overwrite dropdown choices.	Race: Hispanic:
Date of Last Exposure	Date of Last Exposure is important for timing of the first and second round tests. If exposure is ongoing, as for a household member, indicate by checking the box.	Date Last Exposed Ongoing Exposure

# **CONTACTS TAB: Contact Risks**

**Risk Level** Contact Risk is divided into two categories indicating high or low risk of infection for the contact. Level of risk relates directly to the contact's exposure to the case and the individual contact's medical conditions or other risks.

"High Risk of Infection" usually indicates the contact has either a significant exposure to the case or a medical risk that increases the contact's chances of becoming sick with TB after infection.

For example, if a contact is a member of the case's household, in most situations this indicates a great deal of direct exposure to the case and the contact's risk of infection would be high. Likewise, while an HIV-positive contact may have had less exposure to the case than a household contact, the fact that the contact is HIV-positive means the contact's personal risk of developing TB disease is high.

✓ Contacts assigned to the "High Risk of Infection" category should be prioritized in contact follow-up. Note: Contacts initially classified as "Low" may be moved into the "High" group as the investigation progresses or expands. This is likely to occur when the case is highly infectious and you suspect lower levels of exposure are causing infection (evidence of >10% latent infection rate among contacts tested, or evidence of secondary active cases).

Select low- risk or high-	Hig	h Risk	Low Risk
risk for infection based on exposure type.	<ul> <li>Household</li> <li>Age &lt; 5</li> <li>HIV</li> <li>CXR consistent w/inactive TB</li> </ul>	<ul> <li>Congregate Setting</li> <li>Exceeds Exp Limits</li> <li>Other Medical Risk</li> <li>Other:</li> </ul>	No Exposure Other Low:

Household: Contact lives in the same residence as the case.

<u>Age<5</u>: Contact is <5 years old. After infection, TB disease is more likely to occur in younger children. Contacts <5 years of age should be started on window treatment after a chest x-ray is obtained. <u>HIV/AIDS</u>: Contact is HIV positive or has AIDS. Consider starting contacts with HIV/AIDS on window treatment or completing a full course of treatment for LTBI. Untreated HIV infection results in the progression of TB infection to TB disease more frequently and rapidly than any other known factor.

<u>CXR c/w Inactive TB:</u> Fibrosis on a CXR may indicate prior or current TB disease. Contacts with CXRs indicating healed primary TB (e.g. a calcified pulmonary nodule) are not at higher risk for later developing active TB disease.

Note: The activity of TB CANNOT be determined from a single CXR, and unless there are previous CXRs showing the abnormality has not changed, it is recommended sputum be sent for examination to assess the possibility of active TB disease. Once active TB disease is excluded by sputum culture, these patients are high priority for treatment for LTBI.

<u>Congregate setting:</u> Exposure to the case occurred in a congregate setting, either occupational or residential (e.g. high school, correctional facility, homeless shelter, nursing home, workplace). If you believe that the contacts in a congregate setting fall into the category of "Low Risk of Infection", please check the box "Other Low Risk" in the next column and write the setting in the space provided. Please consult with the State TB Control Program for assistance in determining if contacts are at high or low risk of infection if you have any questions. The State TB Control Program is available for onsite and/or technical assistance with all investigations in congregate settings.

Exceeds exposure limits: Contact is an otherwise healthy individual age ≥5 with exposure to the case that exceeds exposure limits (i.e., you believe the risk is high enough that the contact's level of exposure could result in infection). Examples of exceeds exposure limits might include a close friend, a coworker that shares an office with the case, daily carpool member, etc.

The North Carolina TB Control Program Manual (http://epi.publichealth.nc.gov/cd/lhds/manuals/tb/toc.html) specifies exposure limits to assist in determining if a contact "exceeds environmental limits". These limits are provided below should you wish to use them in your contact investigation. A contact is not required to meet the limits below, these are for guidance only.

- ≥ 4 cumulative hours in small, poorly ventilated space such as a car or enclosed room
- ≥ 8 cumulative hours in small well-ventilated space such as an apartment
- ≥ 12 cumulative hours in a large space such as a classroom or house
- ≥ 50 cumulative hours in large open area such as an auditorium or church

<u>Other medical risk factor:</u> Contact has a significant medical risk (other than HIV/AIDS). Examples:

- Those on immunosuppressive agents, including multiple cancer chemotherapy agents, antirejection drugs for transplants, TNF-alpha antagonists
- Someone receiving >15 mg of prednisone or its equivalent for >4 weeks
- Those with silicosis, uncontrolled diabetes mellitus, gastrectomy or jejunoileal bypass surgery, etc.

All patients taking prednisone or a TNF-alpha antagonist inhibitor (Enbrel, Remicade, Humira) should be treated during the window period. Consider starting all other contacts with significant medical risk(s) on treatment during the window period.

<u>Other:</u> Check this box if you believe the contact has a risk factor that contributes to their high risk of infection and progression to TB disease that is not listed above. Write in the risk factor in the space provided.

<u>No Risk</u>: Contact has no known risk factors, i.e., no actual exposure to the case.

<u>Other Low Risk:</u> Contact has limited exposure to the case, and you believe the risk of infection is truly low. Please note the exposure setting in the space provided. An example might be contacts from a school investigation (congregate setting) with little or no exposure to the case, and no other medical risks, that were tested as part of the investigation. Please feel free to consult with the State TB Control Program for assistance in determining if a contact's risk of infection is high or low.

# **CONTACTS TAB: Contact Evaluation**

Symptomatic	Check "Symptomatic" if contact is showing signs and symptoms of TB such as cough, fever, night sweats, hemoptysis, weight loss, etc. If the contact is symptomatic, work up for TB disease.				
History of Prior TB or LTBI	If the contact     Prior Positive TST/QFT?     Prior Test/Treatment Notes       has a history of     Prior Treatment (TB/LTBI)?        TB or LTBI and     Eval Complete				
	you believe adequate prior treatment was completed for TB disease or LTBI, mark the box for "Prior Tx". In absence of a documented course of therapy, some questions to ask the patient to assess whether treatment was adequate include:				
	<ul> <li>Where were you treated?</li> <li>What drugs did you receive?</li> <li>How many different drugs? How many pills each day? What size and color were the pills/capsules?</li> <li>How long were you on treatment?</li> <li>Did you take medications daily? Every pill?</li> <li>Did you miss medication sometimes? How often?</li> <li>Did health care workers observe you taking your medications?</li> </ul>				
✓ Note: contact	ts with prior TST/QFT positive and/or prior treatment should, at a minimum,				

Note: contacts with prior TST/QFT positive and/or prior treatment should, at a minimum, be screened for symptoms. A chest x-ray is recommended for contacts with medical risks or symptoms, or if the case is highly infectious (i.e., in an outbreak situation). Consider offering LTBI to prior positives who have not completed therapy.

New LTBI

✓ Note: The "New LTBI" and "Eval Complete" boxes will autopopulate according to the values entered in the evaluation tab.

### 1<sup>st</sup> Round Test (<8 week test)

**Chest X-ray** 

Enter the results of the first round TST or IGRA. Tests done less than 8 weeks after last known exposure should be entered in this section. Tests administered more than 8 weeks after last exposure should be entered in the 2<sup>nd</sup> Round Test box, below.

### 1st Round (<8 week test)



2nd Round Test	Enter the results of the second round	2nd Round (>8	week test)
(>8 week test)	TST or IGRA. A follow-up test done 8 or more weeks after a first round test should be entered here. Information should also be entered here if only one test was done and it was administered	TST Date mm	
	more than 8 weeks after last exposure to	QFT/T Spot	
	the case.	Date	
		Result	~

If a chest X-ray is completed, enter
date of exam and results here.

Chest X	(-ray
Date	
Result	~
CXR Facility	

# **CONTACTS TAB: Treatment/Final Status**

✓ Complete for all contacts for whom LTBI treatment has been initiated. This may include persons with newly diagnosed LTBI, window treatment, prior positives, and immunocompromised persons being treated with a full course of preventive therapy (regardless of TST/QFT result).

Treatment Start Date	Enter date treatment for LTBI started	Treatment Start:				
Bate		Treatment Stop:				
Treatment Stop	Enter date treatment for	Treatment Regimen:				
Date	LTBI ended	Other Regimen:				
Treatment Regimen	Choose the treatment regimered overwrite options. Choose	nen from the drop-down op from the following options	otions. Do not s:			
	• INH daily 6 months					
	• INH daily 9 months					
	• INH biweekly DOT 6 months					
	• INH biweekly DOT 9 months					
	• RIF daily 4 months					
	• INH+Rifapentine 12 weeks					
	Window Prophylaxis					
	• Other (specify)					
	If the treatment regimen is not listed, choose "Other" and describe as free text in "Other Regimen".					
Final Status	Choose the final status of the contact after completing evaluation and/treatment if indicated. Choose from the dropdown options.	he Final Status dropdown options. Do no	t overwrite	~		
	1- Active TB Diagnosed					
	2- Died					
	3- Moved					

	<ul> <li>✓ If contact moved out of the jurisdiction, please submit an "Interjurisdictional Transfer Notification" located at: <u>http://www.tbcontrollers.org/docs/resources/IJN Form May2015.pdf</u></li> <li>4- Refused Treatment</li> </ul>			
	5- Lost to follow-up			
	6- Provider decision (to stop or not start LTBI tx)- toxicity			
	7- Provider decision (to stop or not start LTBI tx)- other			
	8- Refused evaluation			
	9- Completed LTBI treatment			
Treatment or other comments	Use this area to enter any contact- specific details or complications of treatment, details about incomplete evaluations, explanation for Final Status 7- Provider decision: other, etc.			

# **CONTACTS TAB: Notes**

✓ Use the Notes tab to create notes specific to a contact. Information saved in Notes might include details about evaluation findings, documentation of attempts to locate or follow-up with contact, or reminders for

Demogra	ohics	Contact Risks	Evaluation	Treatment / Final Status	Note
NOTES	Add a	a QuickNote		~	$\overline{+}$

subsequent testing. Do not put contact-specific notes in the Case notes.

# **CONTACTS TAB: Links**

✓ The links tab displays other Orpheus case records or contact records for the current contact.

# **CONTACTS TAB: Docs**

✓ The Docs tab is a convenient location to upload and store documents related to the specific contact. Documents might include chart notes or radiology reports.

Demographics	Contact Risks	Evaluation	Treatment / Final Status	Notes	Links	Docs
DOCUMENTS Doc / Image	Description				Ø Attach a Do	ocument