SHOWME WORLDCARE

Tuberculosis (TB) Guidance

Last Updated: July 18, 2025

Tips

- When creating a condition record, make sure to search for the person in ShowMe WorldCare (SMWC) using all available advanced search options to avoid creating a duplicate person. Search options are described in more detail in the ShowMe WorldCare End User Manual: https://health.mo.gov/living/healthcondiseases/communicable/novel-coronavirus-lpha/smwc/resources.php

- When working through a record, start with the Person tab, then move to the Administrative tab to assign an investigator and complete dates that may be used in calculations on the middle tabs.

- All Tuberculosis (TB) conditions with a Laboratory tab will contain a Lab Summary table. Clicking on one of the fields will expand the more detailed section about that test, including provider and facility information.

- Utilize the ShowMe WorldCare End User Manual to find information on general system functions and sections: https://health.mo.gov/living/healthcondiseases/communicable/novel-coronavirus-lpha/smwc/resources.php

TB Data Requirements

- **[CDC #] Requirement:** Every section/field with [CDC #] in the field or section label needs to be completed as these are required for reporting to the Centers for Disease Control and Prevention (CDC).

- **Lab Requirements for TB Disease:**
  - Always enter initial TST, initial IGRA, initial sputum smear, initial sputum culture, initial NAAT, and HIV test. Enter "Not Done" if applicable.
  - CD4 count should be reported for HIV-infected persons.
  - Hemoglobin A1c or fasting blood glucose at diagnostic evaluation should be reported for people with diabetes.
  - Follow-up testing should be done according to CDC guidelines and local clinical judgment.
  - For tests that are done multiple times, each test should be entered.

- **Chest Imaging Requirements for TB Disease:** Always enter initial chest x-ray and chest CT scan results. Enter "Not Done" if applicable. Subsequent results for each chest imaging study type should be entered as well.

TB Conditions

There are four TB conditions in ShowMe WorldCare.

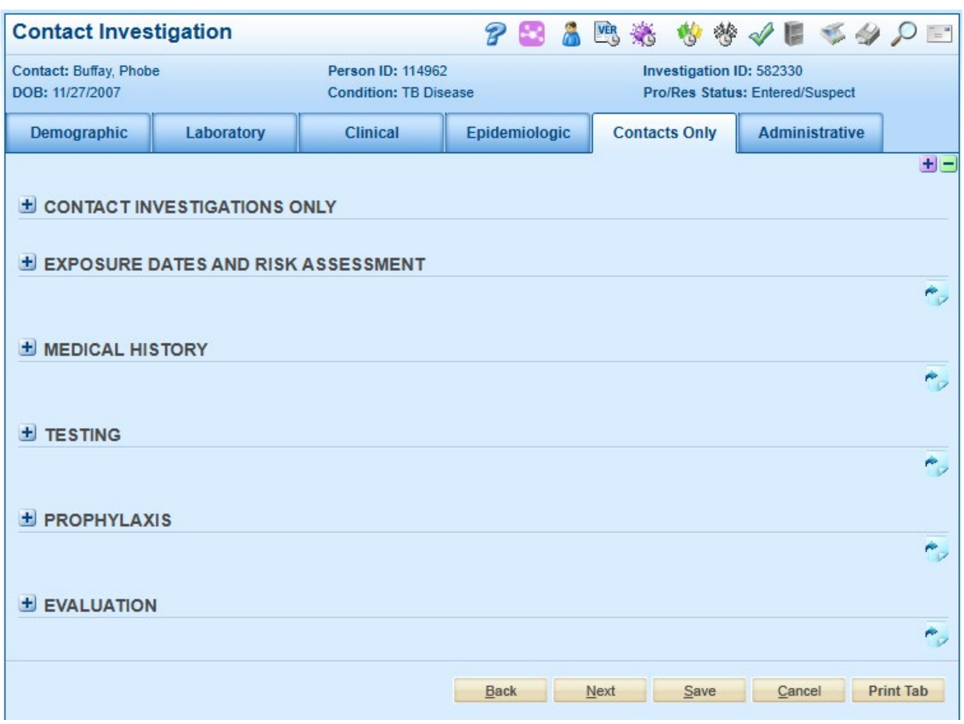
- TB Disease
- TB Infection
- TB Animal
  - This is a new condition in ShowMe WorldCare and should be used to enter animal cases.
  - The tabs are the same as the ones used by TB Disease and TB Infection, but on the Person tab the Additional Demographics section has been replaced by an Animal / Animal Owner Information section.
- TB
  - This is a new condition for ShowMe WorldCare and is used ONLY for ingestion of electronically reported AFB results until more confirmatory results are received. Limited tabs are available in this condition.
  - If the patient is found to have TB Disease or TB Infection, the Condition Being Reported on the Person tab must be updated to the appropriate condition. This will load the remaining tabs so that the case can be worked.
  - System users should NOT add anyone with the TB (generic condition).

NTM (Non-Tuberculosis Mycobacterium) Condition

The NTM condition utilizes the same tabs as the TB conditions. NTM was collected under the condition name of MOTT (Mycobacteria Other Than Tuberculosis) in WebSurv.

Contacts Only Tab

A Contacts Only tab will appear on both contact investigation records and condition records. However, it can only be edited in contact investigation records. It will be disabled on condition records as it should only be completed for individuals who are contacts. If a contact is converted to a condition record, the information on all the tabs will populate onto the Contacts Only tab in the new condition record so that it is available for review.



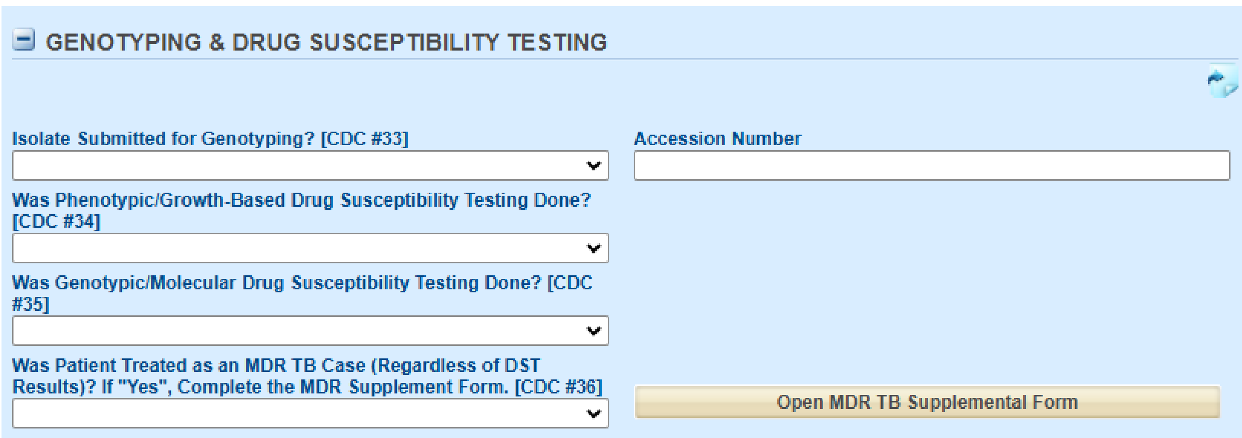
RVCT Forms

RVCT (Report of Verified Case of Tuberculosis) forms are to be used ONLY for TB Disease conditions.

- TB Infection, TB Animal, and NTM conditions also contain this form but it should NOT be used.
- These conditions utilize the same forms in case the condition needs to be updated from one to the other. For example, it may not be clear whether a case is TB Infection or TB Disease when the initial information is received. If the same forms are not used when conditions are updated, data loss may occur.

RVCT Supplemental Surveillance Form

The RVCT Supplemental Surveillance form must be completed on cases that are being treated with second-line TB drugs. This form can be opened by clicking the “Open MDR TB Supplemental Form” button in the Genotyping & Drug Susceptibility Testing section of the Laboratory tab. This form can also be opened from the electronic filing cabinet (EFC) by choosing the form titled “RVCT Supplemental Surveillance (RVCTSupp). The steps for opening a form from the EFC are detailed in the next section.



GENOTYPING & DRUG SUSCEPTIBILITY TESTING

Isolate Submitted for Genotyping? [CDC #33]

Accession Number

Was Phenotypic/Growth-Based Drug Susceptibility Testing Done? [CDC #34]

Was Genotypic/Molecular Drug Susceptibility Testing Done? [CDC #35]

Was Patient Treated as an MDR TB Case (Regardless of DST Results)? If "Yes", Complete the MDR Supplement Form. [CDC #36]

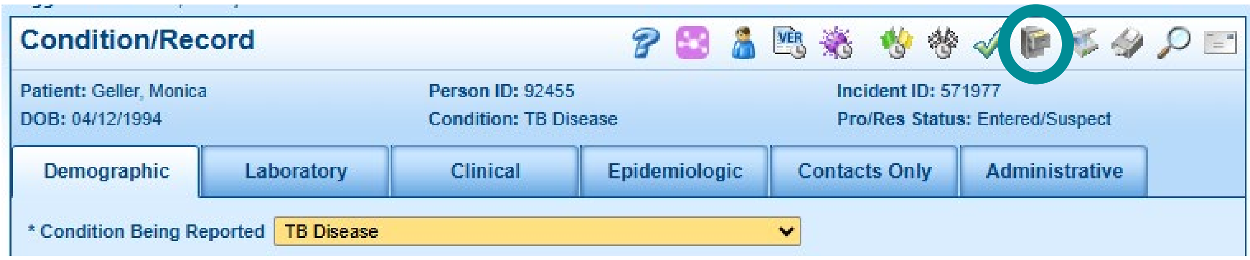
Open MDR TB Supplemental Form

RVCT 2020 – Tuberculosis Form

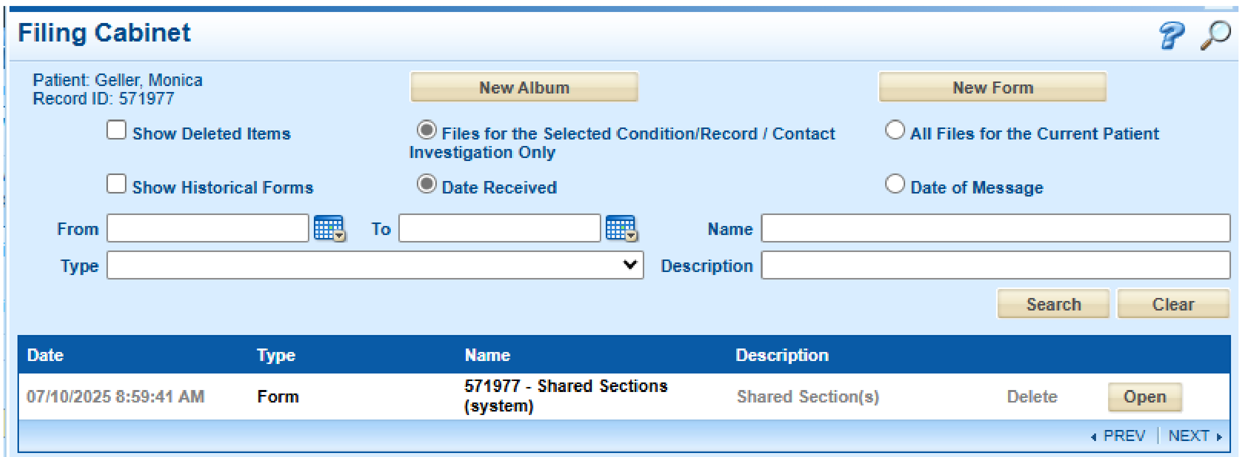
The RVCT 2020 – Tuberculosis form contains all the questions required for reporting to the CDC.

- Most of the required questions are also asked on the Laboratory, Clinical, and Epidemiologic tabs. The vendor is working on automations to load those responses into the RVCT 2020 form for questions that are the same in both places.
    - **PLEASE NOTE:** The RVCT 2020 automations will not be ready at go-live on Monday, July 21, 2025.
    - It is estimated that the automations will be complete approximately one week following go-live.
- A few additional questions will need to be answered on the RVCT 2020 form after completing the main tabs.
- The RVCT 2020 form includes a Run Quality checks button that can be used to search for missing information on the form.
    - **PLEASE NOTE:** The Run Quality check button will not be functional at go-live on Monday, July 21, 2025.
    - It is estimated that the automations will be complete approximately one week following go-live.

Currently, the ONLY way to open the RVCT 2020 form is through the electronic filing cabinet (EFC) using the icon in the upper right corner.

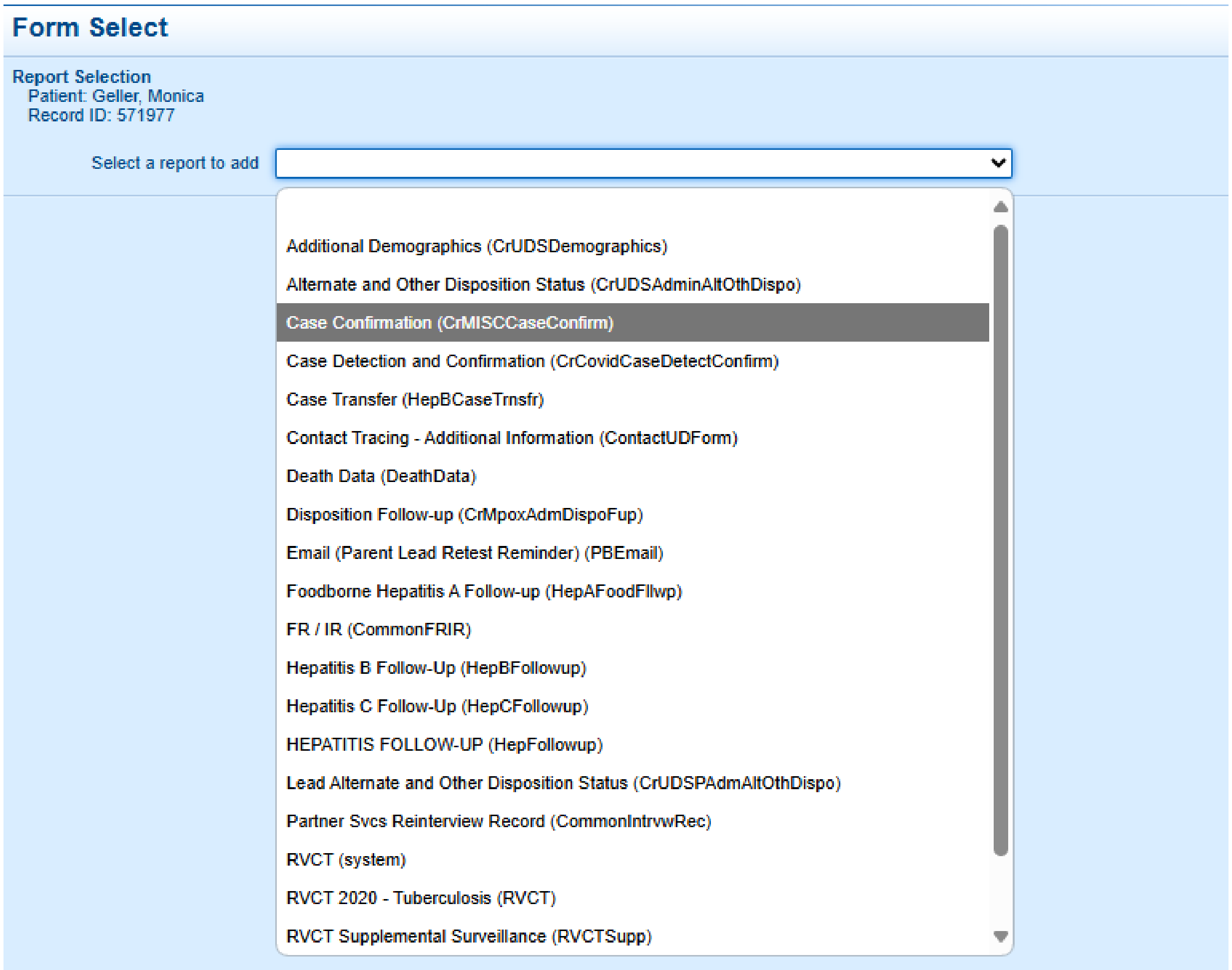


When the filing cabinet opens, click the New Form button.

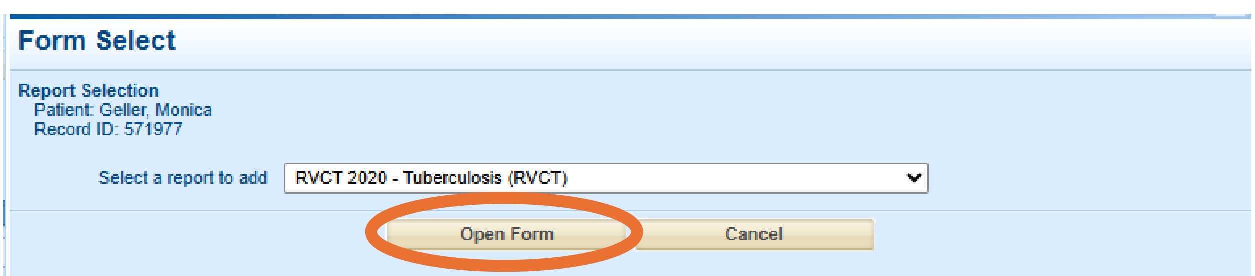


In the “Select a report to add” list, choose RVCT 2020 – Tuberculosis (RVCT).

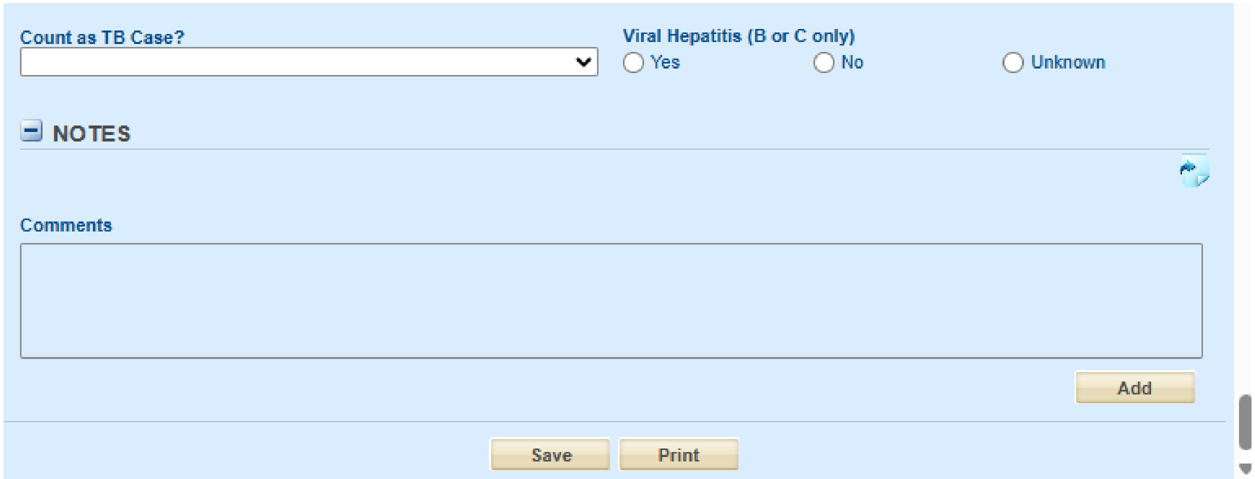
- **PLEASE NOTE:** Do not select the RVCT (system) option if it displays. This is an older version of the form that is no longer in use.



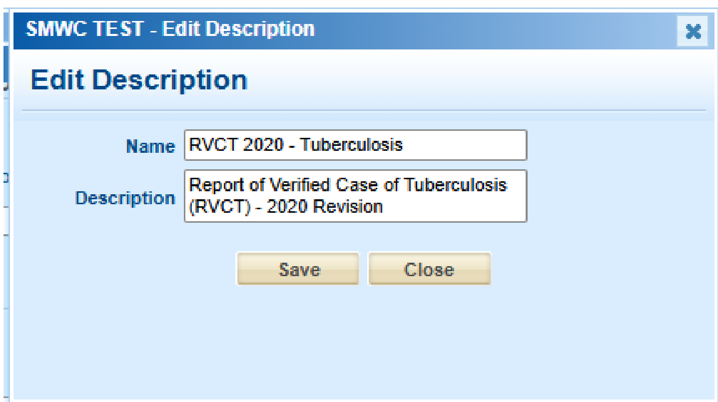
After selecting the RVCT 2020 form, click the Open Form button.



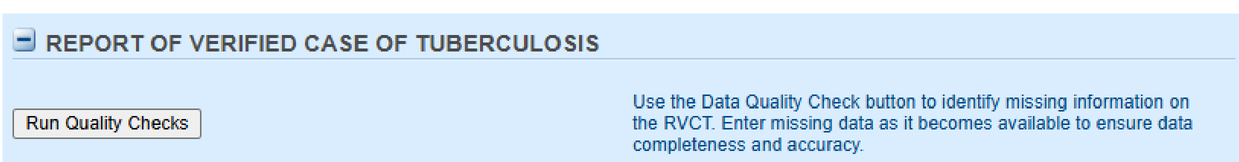
Best practice is to immediately save the form to attach it to the record. To save, scroll to the bottom of the form and click the Save button.



An Edit Description pop-up will appear. The Description box can be edited if needed. Click the Save button.



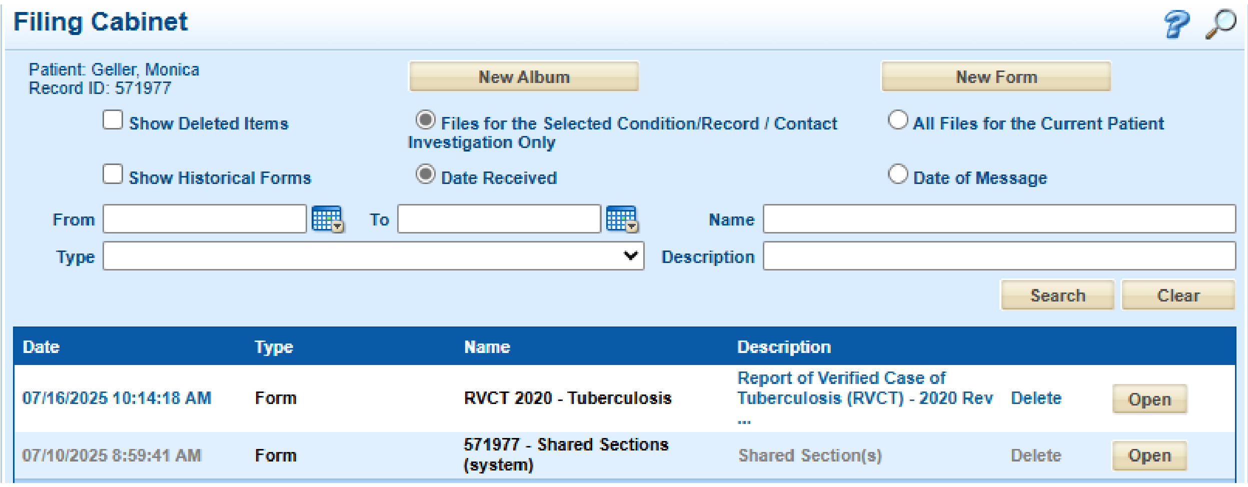
After saving, the Edit Description box will close. Complete the form as appropriate. As previously stated, most of the fields should populate automatically from the Laboratory, Clinical, and Epidemiologic tabs. Review the form to identify any additional information that must be completed. Click the Run Quality Checks button at the top of the form to identify any missing information. (**PLEASE NOTE:** The automations and button functionality are expected to be completed approximately one week after go-live.)



When the form is complete, click the Save button at the bottom of the form again to save the data entered.

The RVCT 2020 form will now appear in the filing cabinet and can be accessed and edited as needed.

Note: The Shared Sections form is automatically created on records that utilize certain functionality with the ShowMe WorldCare system. Do NOT click open on the Shared Sections form as it will create an error.



Contact Investigations

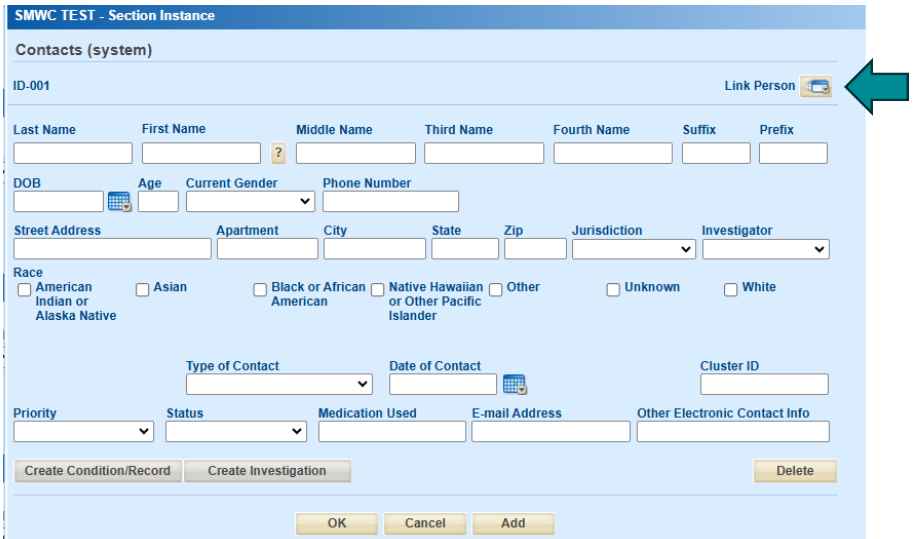
All TB Disease and TB Animal cases **require** a separate Contact Investigation record to be created for each contact of the patient.

- *Separate Contact Investigation records are NOT needed for TB Infection or NTM.*
- From the index patient's condition record, a contact can be added through the Contacts (system) section on the Epidemiologic tab. **The index patient record must be saved before adding contacts.**

IMPORTANT NOTES: Contacts in SMWC can only be linked to condition records, not to other contact records. Each contact should be linked to a condition record. There is no Contacts (system) section on contact investigation records.

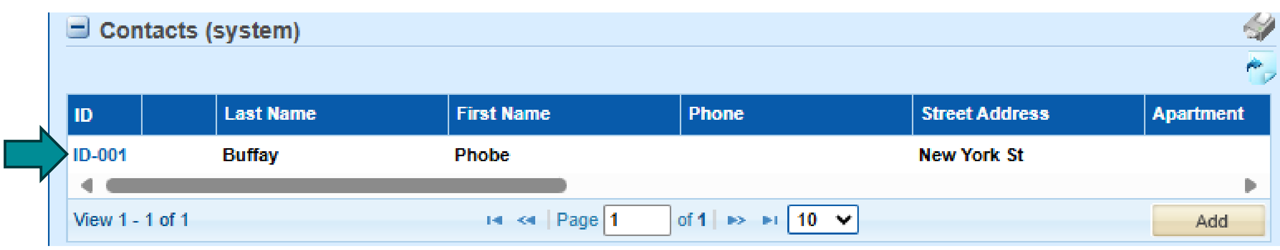
In ShowMe WorldCare, there is no easy way to directly link one condition record to another condition record. For example, it may be learned that two cases that BOTH already have condition records in ShowMe WorldCare exist. If two or more CONDITION records need to be linked, the recommendation from the vendor is to create an outbreak and link the conditions to the outbreak record. If the situation is not a true outbreak, the Resolution Status can be marked as Not a Case. For questions about how to handle this situation, please consult the TB Epidemiologists.

To open the contacts pop-up, click on the first blank row ID in the summary table or click the New button below the table. **In the pop-up box, before entering any contact information, first click the Link Person button in the upper right to search for the person in case they already have a Person record in the system to avoid creation of duplicate persons.**

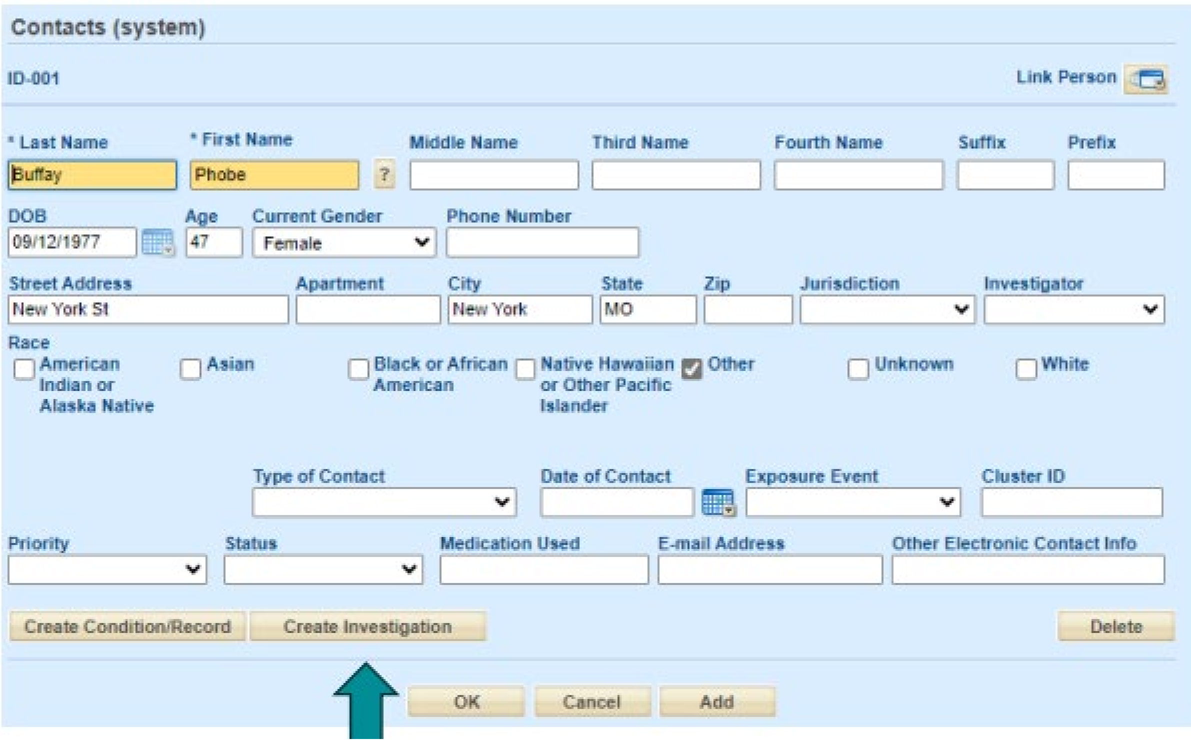


If the person does not already exist in the system, add their information in the Contacts (system) section. This will create a Person record for them and add their information to the index patient's record. However, entering a contact in this section does NOT create a separate contact investigation record as needed for TB Disease and TB Animal cases.

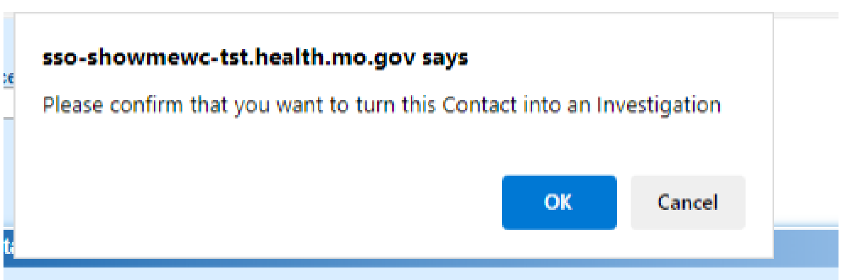
To create a contact investigation record, after initially adding the contact to the Contacts (system) section, save the index patient's record. For example, if Phoebe Buffay has been added as a contact to Monica Geller-Bing, make sure to save Monica's condition record before starting work on Phoebe's contact record. Open the contact box again by click on the contact ID.



In the pop-up box, the Create Condition/Record and Create Investigation buttons should enable after the index patient record has been saved. Click on Create Investigation to generate a contact investigation record.

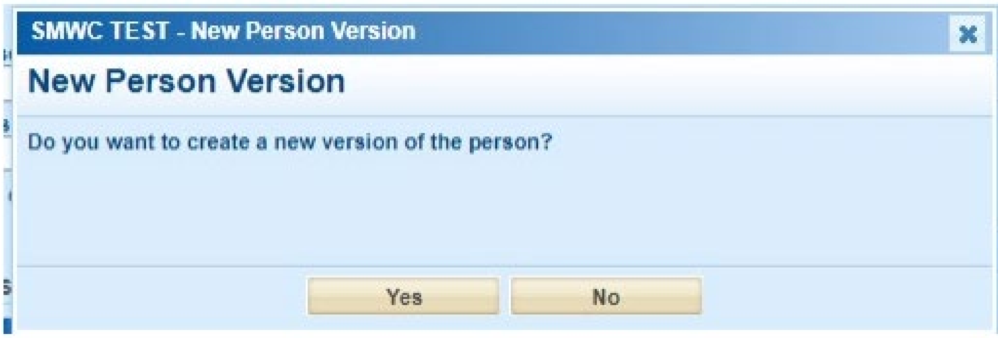


A pop-up will appear to ask for confirmation that the contact should be turned into a contact investigation record. Click OK to proceed.

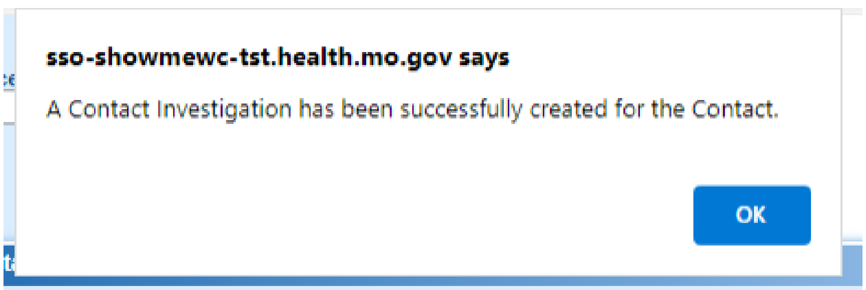


Another pop-up will appear asking if a new version of the person should be created.

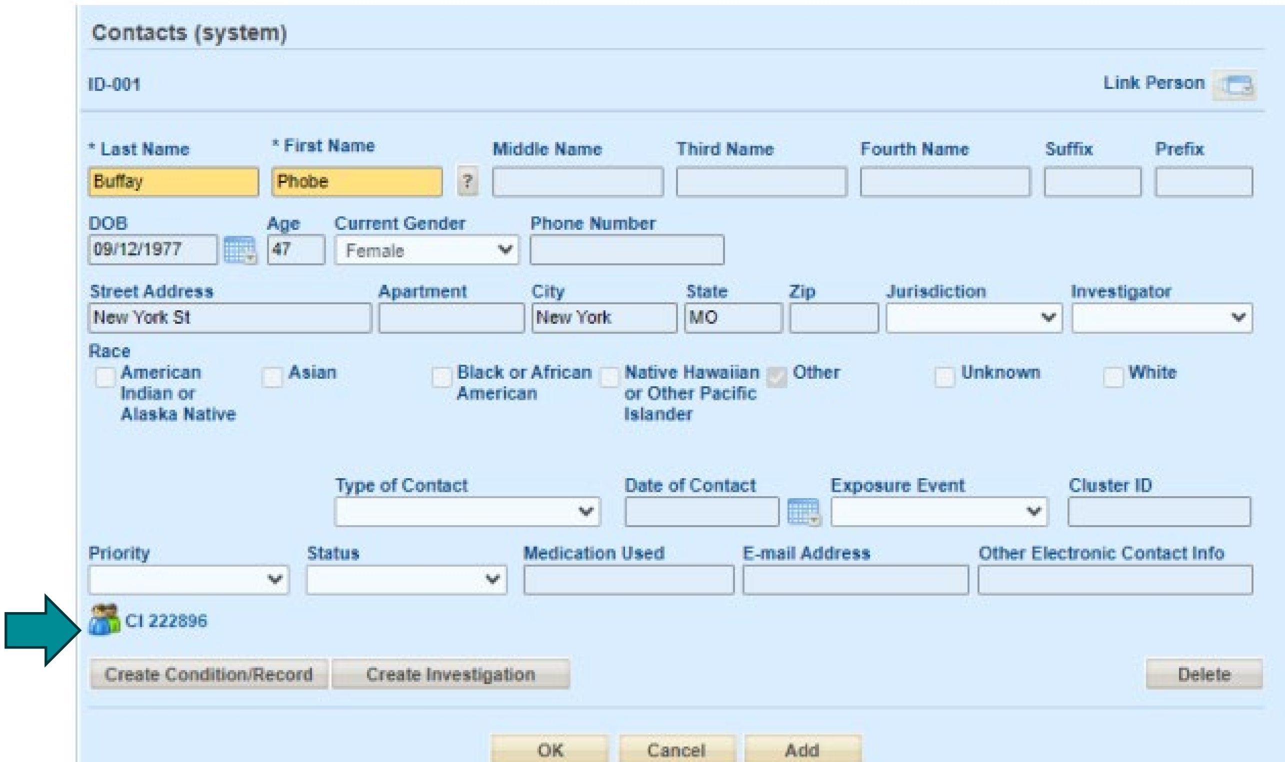
- Select No if the existing demographics/contact information for the contact should be used.
- Select Yes if updated or alternate demographics/contact information will be entered for the person.



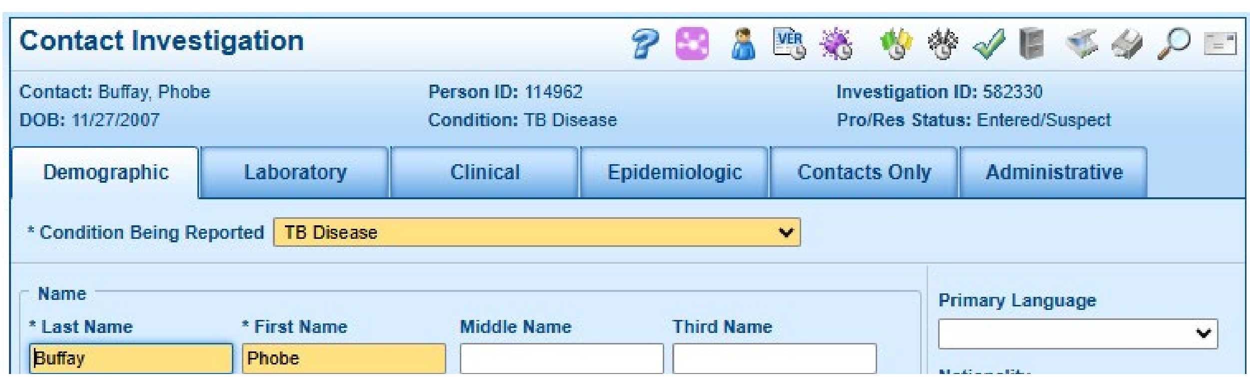
A third pop-up will confirm that the contact investigation record has been successfully created. Click OK.



The new contact investigation record will be listed in the contact's pop-up box. Click on the link to the newly created Contact Investigation record to open it. This will navigate away from the index patient's record and open the contact investigation record. Work through the tabs to fill out the contact investigation record as appropriate. For questions about completing the various tabs, please consult with a TB Epidemiologist.



BEST PRACTICE: After completing the Person tab, move to the Administrative tab to assign an investigator and complete any dates that may be needed for calculations on the middle tabs.



As the contact is investigated, information can be entered on any of the tabs in addition to the Contacts Only tab. If the contact develops the condition, the contact investigation record can be converted to a condition record by clicking the Convert to Condition/Record button on the Administrative tab. **PLEASE NOTE:** Once the convert button is clicked, the contact investigation record is locked to all future edits and cannot be re-opened. **Be sure to enter any information that needs to be placed on the contact investigation record BEFORE converting the record.** Any information entered on the contact investigation record will carry forward to the new condition record.

Outbreaks

When creating an outbreak for tuberculosis conditions, only the option for TB is included in the conditions list on the outbreak screen. Any TB Disease, TB Infection, or TB Animal condition or contact investigation records can be linked to the TB outbreak. NTM outbreaks are separate from TB outbreaks.

The outbreak record type can be used for purposes other than actual outbreaks. For example, as mentioned above, multiple existing condition records cannot be linked directly to each other but could be linked by adding them all to the same outbreak. These linkages would then be visible in the network diagram.

How to Request Assistance with ShowMe WorldCare

- The ShowMe WorldCare Help Desk is available from 8:00 AM – 5:00 PM on State workdays. To contact the Help Desk, submit a ticket at https://moexperience.qualtrics.com/jfe/form/SV_737JeAAdftM2q1M.

- Help Desk office hours are provided daily on State workdays from 9:00 – 10:00 AM to allow for more personalized assistance from the Help Desk. **Join the meeting now:** Meeting ID: 288 552 720 449; Passcode: rAFt9z

- The ShowMe WorldCare End User Manual, recorded webinars, and FAQ Archives are available at https://health.mo.gov/living/healthcondiseases/communicable/novel-coronavirus-lpha/smwc/resources.php.

- While the Help Desk can assist with account issues such as log-in problems and password resets, as well as basic functionality of ShowMe WorldCare, these staff are not specialists in the specific conditions. More detailed questions about how to handle cases or how to complete the condition-specific forms will need to be directed to the condition point of contacts, such as the District Epidemiologists. These types of questions can be submitted on Help Desk tickets for convenience, but the Help Desk will likely need to route these questions to the appropriate program.

Version History

Revision Date	Revisions
July 18, 2025	Document created