

Student Exercise

Person ID

Report ID

Scenario

A case of Q fever has been diagnosed in a 60-year-old male in an area just north of Tbilisi. He was seen at the local clinic 2 weeks ago, with the following symptoms: fever, fatigue, muscle aches, chest pain, and non-productive cough. His symptoms began a week prior to his visit to the local clinic. The patient has a farm to provide resources for his family and provides excess to his neighbors. The patient has regular exposure to sheep and goats. He has a history of heart valve disease. No antibiotics were prescribed on the initial visit to the local clinic. Blood samples were taken during the visit and sent to the lab for Q fever testing.

1. The following notification has been referred to you for investigation. Before you can enter a disease report, you'll need to use this information to enter a person record for the patient.

Date of Visit	12 Sep 2018
Name	David Imnadze
DOB	16 June 1959
Gender	Male
Address	Tbilisi, 200 Guria St.
Phone	+995012345

2. The patient provided two addresses of residence, and upon contact to confirm, he says that he resides at the address on file on certain days and the other when he is tending his livestock. Search for the person record and add the second address.
3. Add a disease report for the patient.
4. Lab results have returned and the patient has been contacted to inform him of the diagnosis of Q fever. He has been informed that contact with certain animal products that contain *Coxiella burnetii* may cause the contraction of Q fever, and that his medical history puts him at a higher risk for developing Chronic Q fever. He is instructed to return to the local clinic to begin two weeks of doxycycline antibiotic to avoid worsening of symptoms. Search for the disease report and then update the lab results and the antibiotic history.
5. The patient is seen in the clinic again two weeks later and is feeling much better. Close the disease report.
6. During a follow-up visit, the patient reports night sweats, fatigue, shortness of breath, and weight loss over the past 6 months. Tests are positive for complications due to the Q fever infection. Reopen the disease report and change the diagnosis to Chronic Q fever.
7. Complete the exercise by deleting the disease report.