

# OVER 1,000 EXPOSED TO TB Cause Map

## 1 Problem

<b>What</b>	Problem(s)	Over 1,000 people, including 350 infants, may have been exposed to tuberculosis (TB)
<b>When</b>	Date	Mid-August to mid-November 2015
	Different, unusual, unique	False negative on TB test
<b>Where</b>	Facility, site	Santa Clara Valley Medical Center
	Unit, area, equipment	Maternity ward
	Task being performed	Caring for new mothers and babies

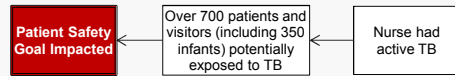
### Impact to the Goals

<b>Patient Safety</b>	Over 700 patients and visitors (including 350 infants) potentially exposed to TB
<b>Employee Safety</b>	308 employees potentially exposed to TB
<b>Patient Services</b>	Testing and preventative treatment required
<b>Labor/ Time</b>	Investigation and additional testing required

## 2 Analysis

**Basic Level Cause Map** - Start with simple Why questions.

**Basic Cause-and-Effect**



The nurse was unaware that she had tuberculosis. She did not exhibit many of the common symptoms such as coughing and the disease was only identified after a chest x-ray was done for an unrelated medical concern. Additionally, she tested negative for tuberculosis in September during an annual checkup so there was no reason to believe that she was at risk of spreading tuberculosis.

## Nurse who worked near newborns diagnosed with tuberculosis

A nurse recently diagnosed with active tuberculosis may have potentially exposed over 1,000 people. The nurse worked in the area near the newborn nursery so the potentially exposed individuals include 350 infants. No additional tuberculosis cases have been reported at this time, but hospital officials are working to test all potentially exposed individuals and are offering preventative treatment to the exposed infants because they are at higher risk of dangerous complications from the disease.

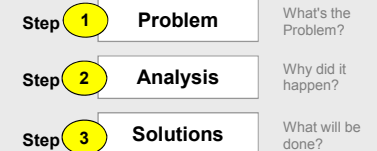
"While the risk of infection is low, the consequences of a tuberculosis infection in infants can be severe. That's why we decided to do widespread testing and start preventative treatments for these infants as soon as possible."

-Stephen Harris, chair of pediatrics

Cause Mapping is a Root Cause Analysis method that captures basic cause-and-effect relationships supported with evidence.

### CAUSE MAPPING

Problem Solving • Incident Investigation • Root Cause Analysis



**More Detailed Cause Map** - Add detail as information becomes available.

