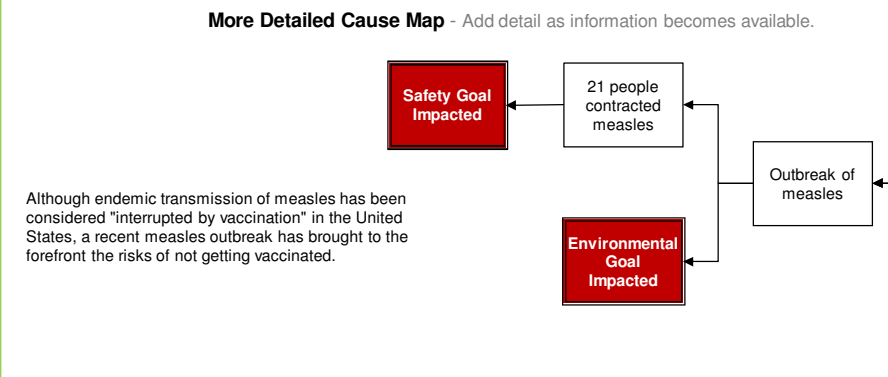
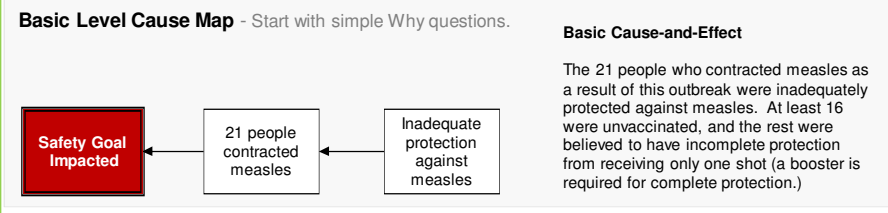


1 Problem

What	Problem(s)	Measles outbreak
When	Date	August 14, 2013 (church notified of first cases)
Where	Different, unusual, unique	Church against vaccination
	State, city	Newark, Texas
	Facility, site	Eagle Mountain International Church
	Task being performed	Measles obtained during trip to Indonesia
Impact to the Goals	Safety	21 people contracted measles
	Environmental	Outbreak of measles
	Customer Service	Inadequate protection against measles
Frequency		159 cases of measles in US this year, only 55 in all of 2012

2 Analysis



3 Solutions

Although the potential risk of a vaccine may seem frightening, it is important to ensure that everyone in your family is fully vaccinated. Not only will this provide the best protection for each of you, it will also provide protection to those members of your community who cannot be vaccinated, and limit the spread of these diseases. Some communities are experiencing this the hard way. The Texas church involved in the outbreak has begun offering vaccination clinics for its members to attempt and stop the outbreak and protect against another one.

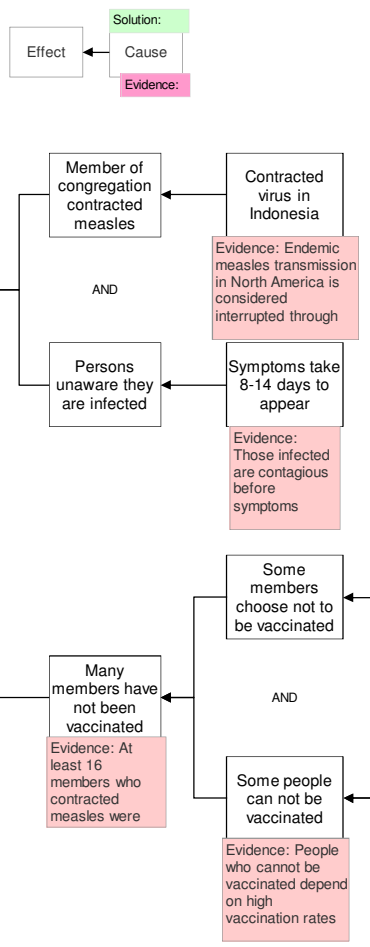
MEASLES OUTBREAK

Cause Map

21 church members, mostly unvaccinated, contract measles in outbreak

21 congregants of a church in Texas contracted measles after one member was exposed in Indonesia. Of the 21 infected, at least 16 were unvaccinated. The church has expressed reservations about vaccination because of potential side effects, especially from "bundled" vaccines that aim to provide protection against multiple diseases. One such vaccine is the Measles-Mumps-Rubella (MMR) vaccine.

"There are only two ways you can develop specific immunity, either be infected by the natural virus or be immunized. A choice not to get a vaccine is not a risk-free choice, It's a choice to take a different and more serious risk."
 - Dr. Paul Offit, Chief of the Division of Infectious Diseases, Director of the Vaccine Education Center, Children's Hospital of Philadelphia



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

- Step 1 Problem** - What's the Problem?
- Step 2 Analysis** - Why did it happen?
- Step 3 Solutions** - What will be done?

For a free copy of our Root Cause Analysis Template in Microsoft Excel, used to create this page, visit our web site.

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In recent years, people have been increasingly concerned about the risks of vaccination. There are, of course, risks to vaccination for any disease. According to the CDC, risks from the MMR vaccine include mild problems and very rare severe problems, such as allergic reactions (which occur in less than 1 out of a million doses). However, as the CDC notes "The risk of the MMR vaccine causing serious harm, or death, is extremely small. Getting the MMR vaccine is much safer than getting measles, mumps or rubella." This brings us to the other side of the equation. People who do not get vaccinated for these diseases face the risks of getting the disease.