

# RACING TO DEVELOP A VACCINE

Cause Map

## Companies work to develop a new weapon in the fight against Ebola

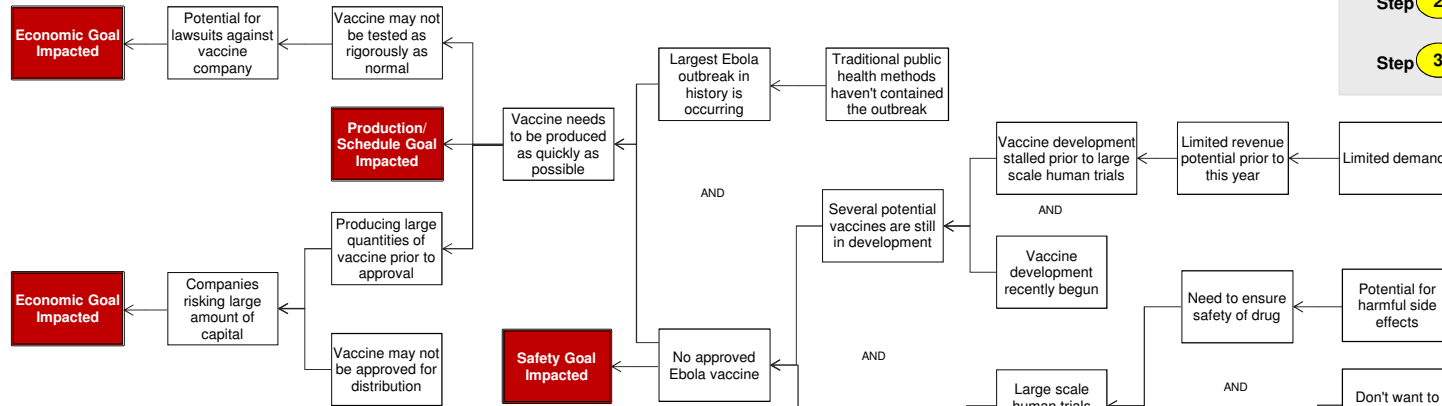
Cause Mapping is a Root Cause Analysis method that captures basic cause-and-effect relationships supported with evidence.

### 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?

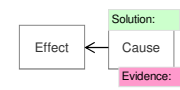
### 2 Analysis



"Six months ago, this was not on anybody's radar...Something that normally takes five to seven years to do, we're compressing into a matter of months. ... We're going to be pushing the system awfully hard to make this happen."

-Ripley Ballou, a vice president at GlaxoSmithKline, one of the companies developing a potential Ebola vaccine

See same cause



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

**ThinkReliability**  
Investigate Problems. Prevent Problems.  
Houston, Texas 281-412-7766 ThinkReliability.com  
Copyright ThinkReliability 2014

### 1 Problem

<b>What</b>	Problem(s)	No approved Ebola vaccine
<b>When</b>	Date	October, 2014
<b>Where</b>	Different, unusual, unique Facility, site	Largest Ebola outbreak in history in progress
<b>Impact to the Goals</b>	Task being performed	Multiple medical facilities worldwide are working on a vaccine
<b>Safety</b>		Development and approval of an Ebola vaccine
<b>Regulatory</b>		No approved Ebola vaccine
<b>Production/ Schedule</b>		Potential need to speed up normal approval process
<b>Economic</b>		Vaccine needs to be produced as quickly as possible
<b>Labor/ Time</b>		Companies risking large amount of capital
		Potential for lawsuits against vaccine company
		Significant resources put into fast tracking vaccine

**Regulatory Goal Impacted**

**Labor/ Time Goal Impacted**

**Safety Goal Impacted**

**Economic Goal Impacted**

**Economic Goal Impacted**