

# POLIO ERADICATION

## Only 3 countries remain with endemic polio

Extensive polio eradication efforts were launched in 1988. While amazing strides have been made, three countries - Nigeria, Afghanistan, and Pakistan still remain endemic to polio.

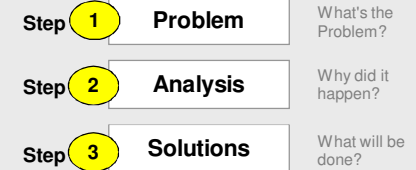
"Completing the eradication of polio is a global health emergency"

- Global Polio Eradication Initiative Independent Monitoring Board

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

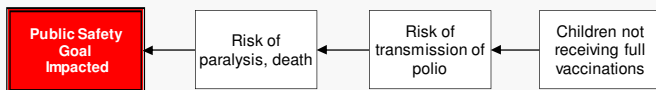


## 1 Problem

<b>What</b>	Problem(s)	Endemic poliovirus transmission
<b>When</b>	Date	Ongoing
<b>Where</b>	Different, unusual, unique	Inaccessibility in conflict-torn areas
	Geographic location	Nigeria, Afghanistan, Pakistan
<b>Impact to the Goals</b>	Task being performed	Vaccinating against polio
	<b>Public Safety</b>	Risk of paralysis
	<b>Compliance</b>	Children not receiving full vaccinations
	<b>Public Services</b>	Risk of transmission of polio
<b>Frequency</b>		181 polio cases reported in 2012 (CDC)

## 2 Analysis

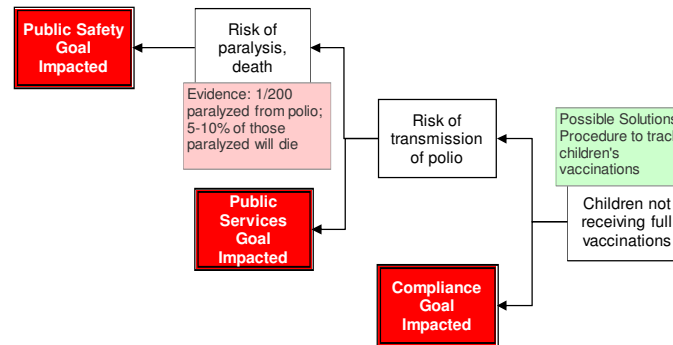
**Basic Level Cause Map** - Start with simple Why questions.



### Basic Cause-and-Effect

Children who have not received full polio protection from vaccinations are at risk to contract the disease themselves, or spread it to others. The risk of paralysis or death from polio is high, causing a very real danger to public

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



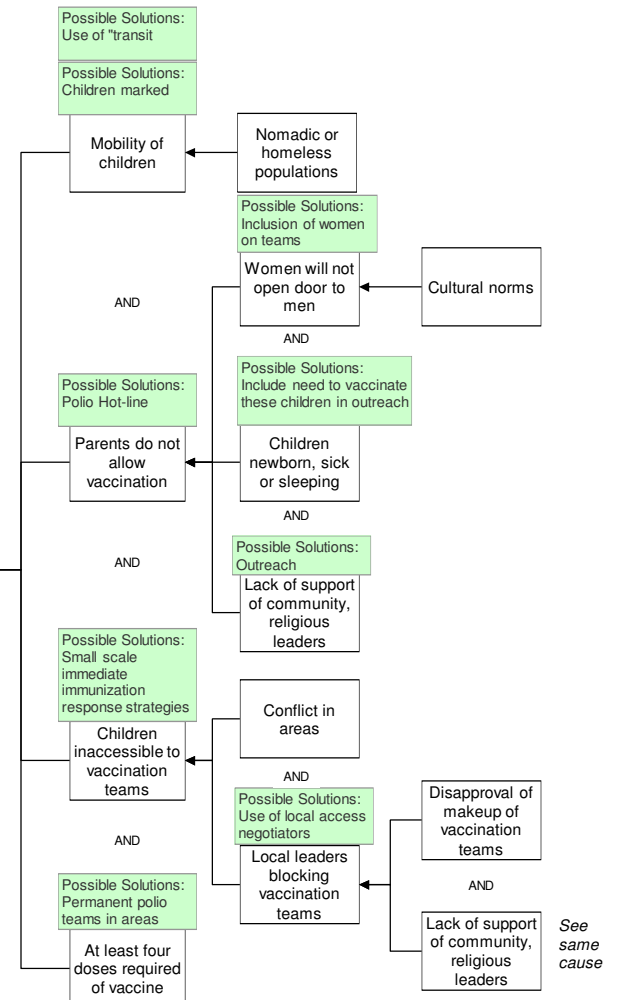
For a free copy of our Root Cause Analysis Template in Microsoft Excel, used to create this page, visit our web site.

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

Copyright ThinkReliability 2012

## 3 Solutions

No.	Action Item	Cause
1	Use of "transit teams"	Mobility of children
2	Children marked when vaccinated	
3	Inclusion of women on teams	Women will not open door to men
4	Polio Hot-line	Parents do not allow vaccination
5	Include need to vaccinate these children in outreach campaigns	Children newborn, sick or sleeping
6	Outreach campaigns	Lack of support of community, religious leaders
7	Small scale immediate immunization response strategies	Children inaccessible to vaccination teams
8	Use of local access negotiators	Local leaders blocking vaccination teams
9	Permanent polio teams in areas	At least four doses required of vaccine



See same cause