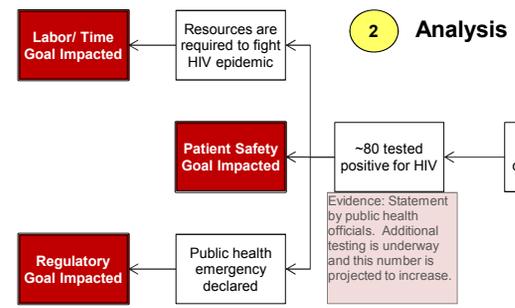


# 1 Problem

What	Problem(s)	HIV outbreak
When	Date	Ongoing
Where	Different, unusual, unique	Intravenous drug use
	Facility, site	Southern Indiana
Impact to the Goals	Task being performed	Intravenous drug use/high risk behaviors
	Patient Safety	~80 tested positive for HIV
	Regulatory	Public health emergency declared
	Labor/ Time	Resources are required to fight HIV epidemic

"I do not support needle exchanges as anti-drug policy, but this is a public health emergency...I'm going to make a decision on the best science and the best way to stop this virus and this outbreak in its tracks."

-Indiana Governor Mike Pence

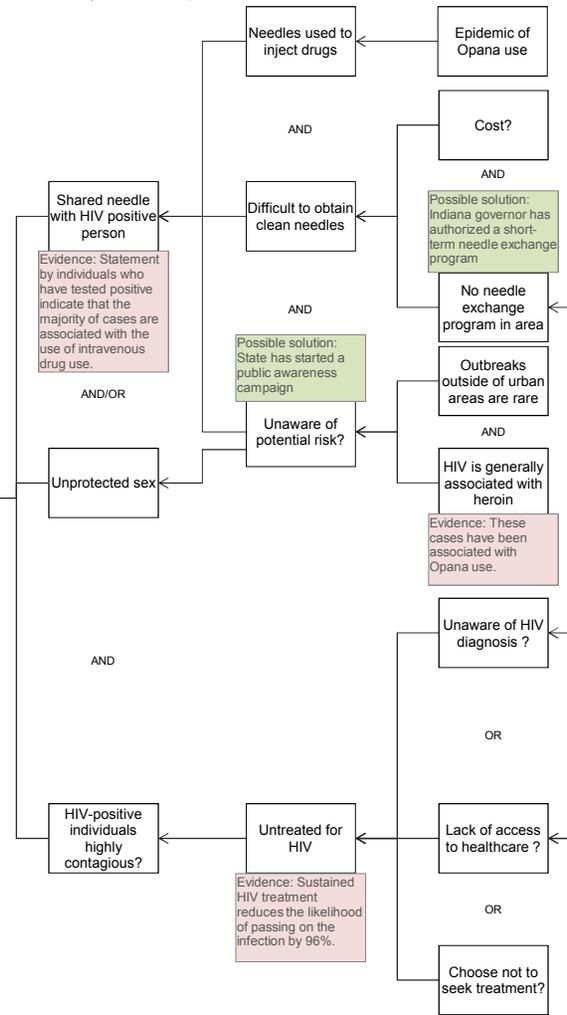


# HIV OUTBREAK

## Cause Map

### ~80 HIV cases in rural Indiana

A public health emergency has been declared after 79 cases of HIV were confirmed in rural Indiana, the worst outbreak of HIV the state has ever seen. Individuals potentially at risk have been encouraged to get tested and the number of cases is expected to rise as more cases are identified. The epidemic has been tied to intravenous drug use, although other risky behaviors may also have spread the disease.

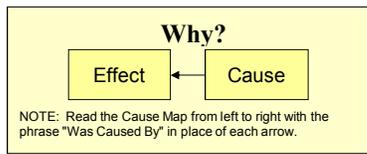


Cause Mapping is a Root Cause Analysis method that captures basic cause-and-effect relationships supported with evidence.

### 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?



NOTE: Read the Cause Map from left to right with the phrase "Was Caused By" in place of each arrow.

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



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

Copyright ThinkReliability 2015

# 3 Solutions

Now that the HIV epidemic has been identified, healthcare officials are working to reduce the risk of more infections by providing treatment. One physician is even driving door to door, offering free HIV testing and trying to educate residents on drug addiction and HIV treatment. Austin, Indiana has established its first ever HIV clinic to provide testing, counseling and treatment. Targeted resources to help educate residents on drug use and to assist addicts seeking to get clean are also being provided. The governor of Indiana has approved a short term needle exchange program. Indiana has also created a public awareness campaign to help inform people about the risks of intravenous drug use. Drug addiction is a notoriously difficult problem to battle, but the additional resources should help reduce the rate of future HIV cases.