

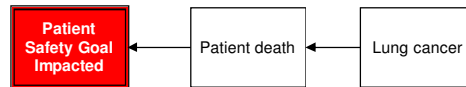
1 Problem

What	Problem(s)	Smoker's lungs received as transplant, lung cancer
When	Date	Transplant received April 2011; death August 2012
	Time	See timeline
Where	Different, unusual, unique	Transplanted lungs belonged to smoker
	State, city	London, England
	Facility, site	Hospital
	Task being performed	Lung transplant

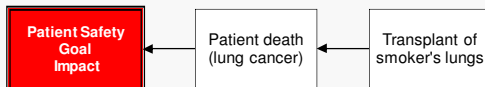
Impact to the Goals

Patient Safety	Patient death
Employee Impact	?
Compliance	?
Organization	?
Patient Services	Patient given "higher risk" organs
Environmental	?
Property, Equip, Mtls	Shortage of donated organs
Labor, Time	?

2 Analysis

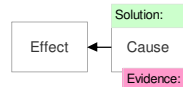


Basic Level Cause Map - Start with simple Why questions.



Basic Cause-and-Effect

A patient who had been on the transplant list finally received a new set of lungs after 18 months. The lungs she received belonged to a frequent smoker, a fact that was required to be disclosed and was not. Less than a year after the transplant, the patient was diagnosed with lung cancer.



3 Solutions

No.	Action Item	Cause
1	Disclose medical history of donors prior to acceptance of organs	Donor history not disclosed to recipient (required by NHS as of 3/11)
2	Increased outreach for organ donation	People do not wish to donate organs
3	Advanced Medical Directives	Unaware of family members' desires

TRANSPLANT DEATH

Cause Map Smoker's Lungs Transplanted, Recipient Dies of Lung Cancer

"Surgeons in the UK, as elsewhere in the world, are having to use more higher risk organs, as it is the only way to save the lives of those who are in desperate need of a transplant every year."

- Professor James Neuberger, Associate Medical Director for Organ Donation & Transplantation at NHS Blood and Transplant

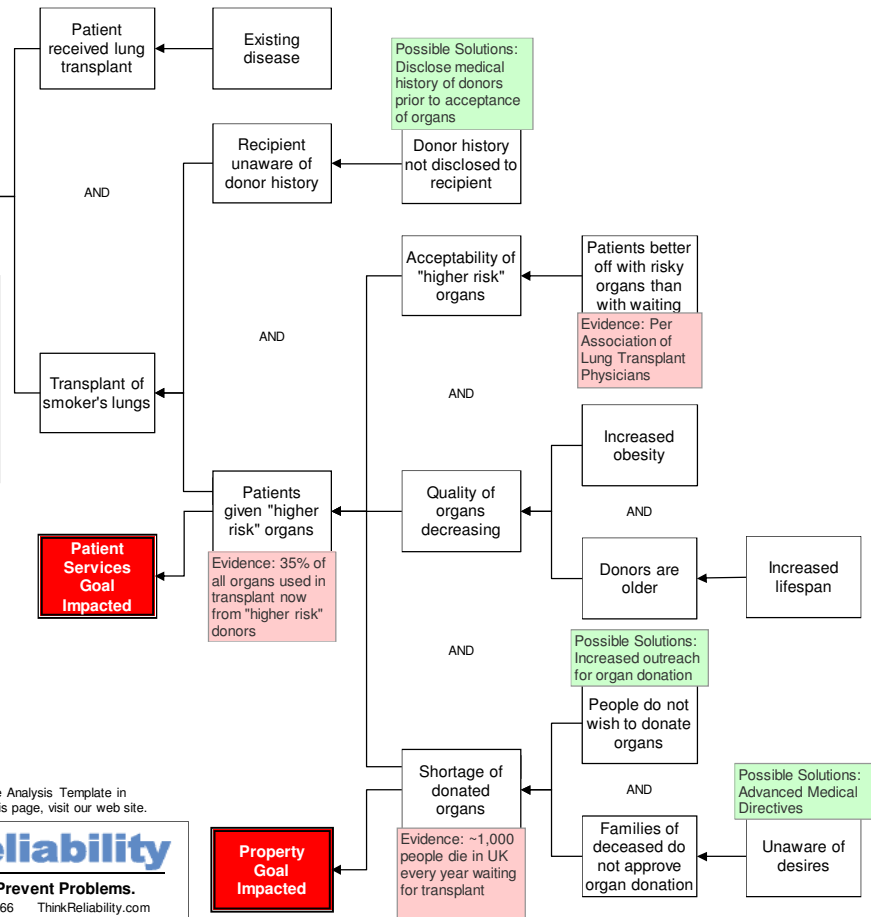
Cause Mapping is a Root Cause Analysis method that captures basic cause-and-effect relationships supported with evidence.

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?

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.

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