June 2022





Our timeline for the day

- 1. Introductions
- 2. RCA Coaching 25 minutes
- 3. Case Study 1 20 minutes
- 4. Case Study 2 20 minutes
- 5. Case Study 3 20 minutes
- 6. Question and Answers

Introductions

Introductions



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RCA Coaching

- 1. What is an A3?
- 2. How is an A3 Structured? Example A3
- 3. Analysis phase A3



What is an A3?



What is an A3?

A visual tool to depict a problem-solving story, typically housed on an A3 sized paper.

An A3 document contains several boxes of information that can take anyone from the identification to the solution of a problem whether it is large or small.

Purpose: An A3 problem-solving document provides a template for collaborative problem-solving to address the root cause of a problem and create sustainable solutions

A3 Thinking

How is an A3 Structured?



(Title) - Pro

Process Owner(s):	Sponsor(s):
Background	
Current Situation	
Goals/Target	
8	
Analysis	

A3 Thinking

How is an A3 Structured?

Left side:

- 1. Background
- 2. Current Situation
- 3. Goals / Target
- 4. Analysis

[·]oblem Solving A3 - (Date)

A3 Thinking

How is an A3 Structured?

Right side:

- 1. Recommendations
- 2. Implementation Plan
- 3. Follow Up

	ieam:	
Recommendations (Proposed Co	intermeasures / Future State)	
Implementation Plan		
Follow Up/Sustaining Improven	ents	
Follow Up/Sustaining Improven	ents	

A3 Thinking

Analysis Phase – A3

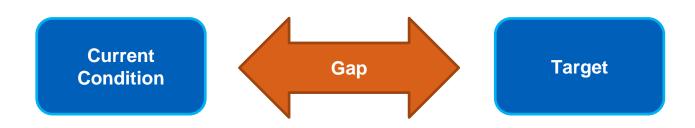
A3 Thinking

Analysis Phase – A3

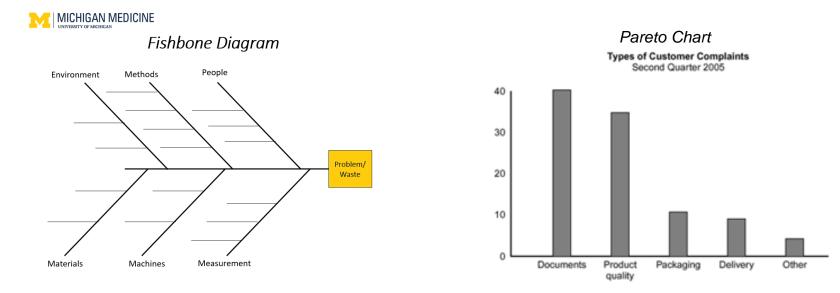
Purpose: Identify the causes of the problem decided on in the A3

Method: Causes of the problem can be identified using a number of tools that are grouped under Root-Cause Analysis. These tools include Fishbone Diagrams, Pareto Charts, and "5 Why" Analysis

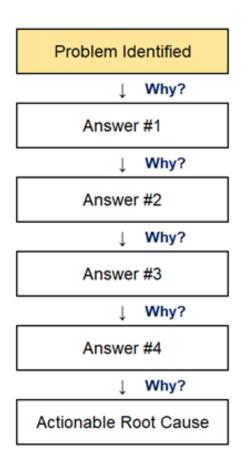
Purpose of an RCA



Choosing Your Approach



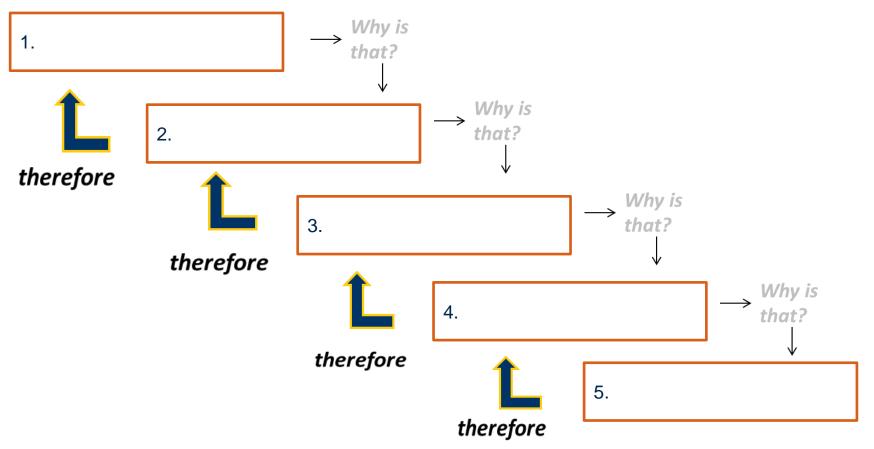
And Others...



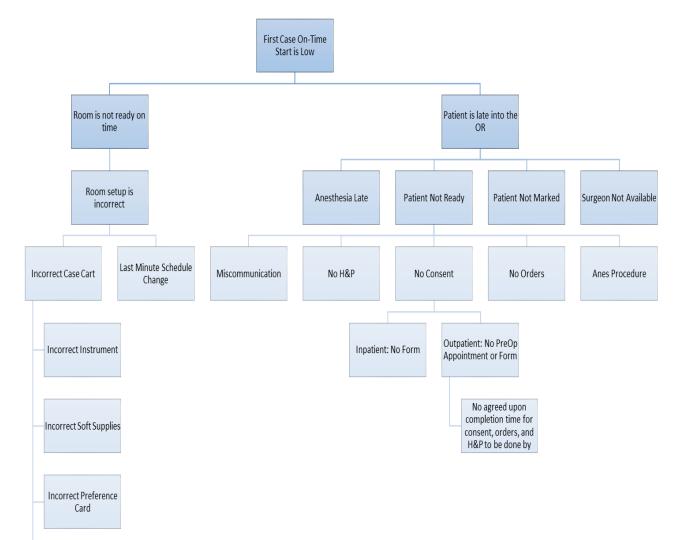
How to complete an RCA

- 1. Determine the problem
- 2. Establish primary contributing causes
- 3. Establish subsequent contributing causes
- 4. Add data or visuals!
- 5. Gather feedback

Setting Up for Success – Therefore Test



Root Cause Tree

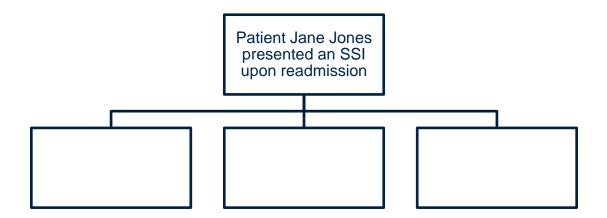


Tips & Tricks for 5 Whys

- It gets easier with practice
- Warning! Be on the look out for...
 - Causes you have no control over
 - Identifying solutions
 - Dead-end paths
- There is often more than one root cause
- Use available resources:
- <u>https://msqc.org/quality-improvement/toolkits/ssi-toolkit/</u>
- Add data gather more if needed
- Remember the **Therefore Test**

Questions?

Case Study One



Case Study Two

Case Study Three

THANK YOU

