

How to develop a CAPA (Corrective & Preventive Action)

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What is your current position?

- A. Data Management
- B. Clinical Research Nurse
- C. Regulatory Affairs
- D. Quality Assurance
- E. Administration
- F. Other

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Have you ever developed a formal CAPA?

- A. Yes, in current position
- B. Yes, at another institution
- C. No, I have not
- D. What the heck is a CAPA

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Objectives:

- Explain** Explain the importance of a Corrective And Preventative Action Plan
- Describe** Describe the steps in developing a CAPA
- Explain** Explain the importance of measuring results

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Regulatory Documents

- 21CFR parts 50, 56, 312 & 812
- 21CFR part 820
- ICH E6 (Rev2) Guideline for GCP

2009: 2945 – Investigator Responsibilities; Guidance for Industry
2018: 668(2) Good Clinical Practice: Integrated addendum to Guidance for Industry
2018: Centerwatch- Expectations for Preventive Action GCP questions: FDA Answers

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Terms

Deficiency – Deviation/Violation from the protocol, regulations or institutional/sponsor policies.

Correction – action to eliminate a detected deficiency.

Corrective Action – Action to eliminate the cause of a deficiency and to prevent its recurrence.

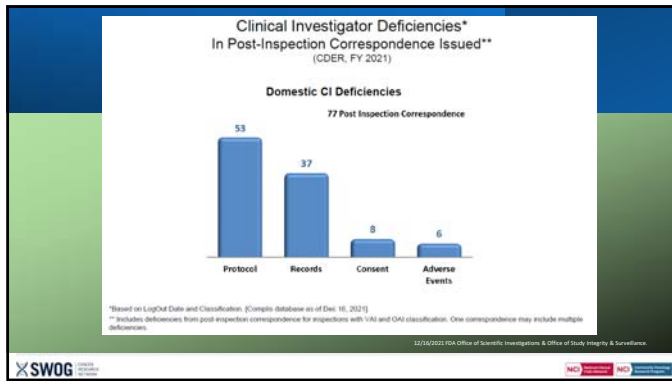
Preventive action – action to eliminate the cause of a potential deficiency or other potential undesirable situation before it happens.

CAPA: A process aimed at correcting and preventing deficiencies from recurring or preventing it from ever occurring.

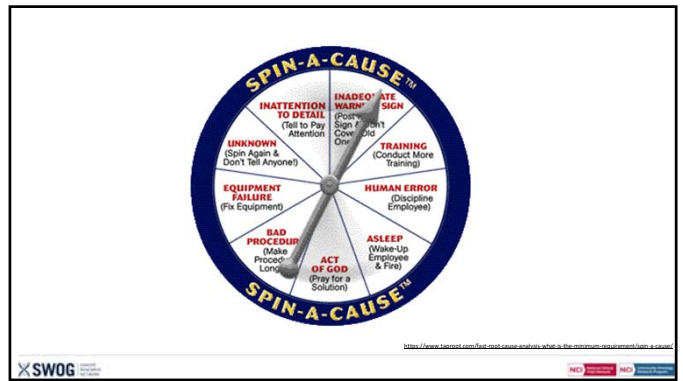
2010: 100-0021
2010: Johns & Meeth
2018: Lender

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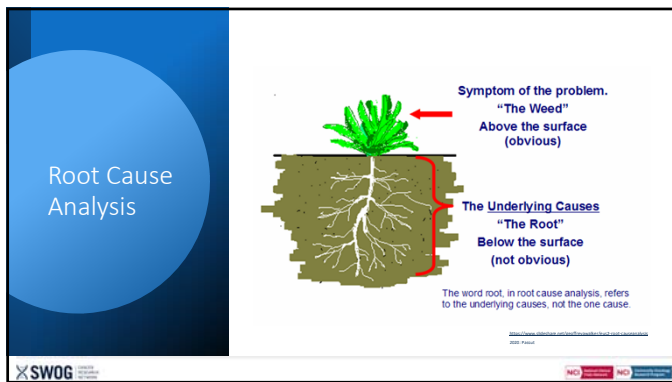
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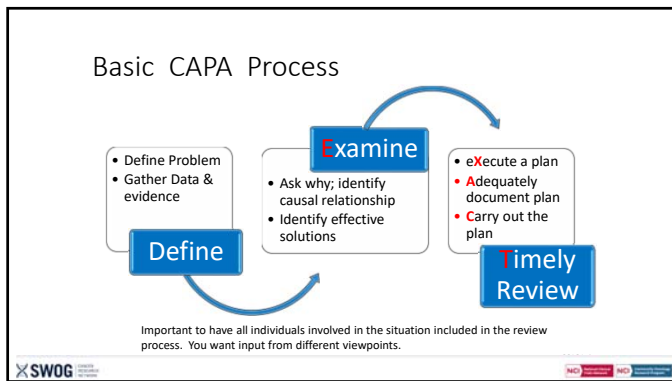
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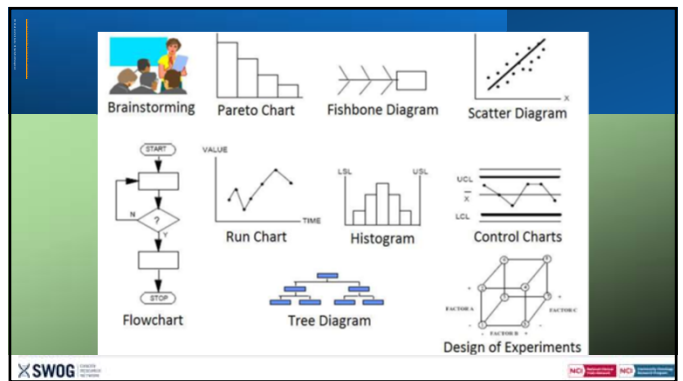
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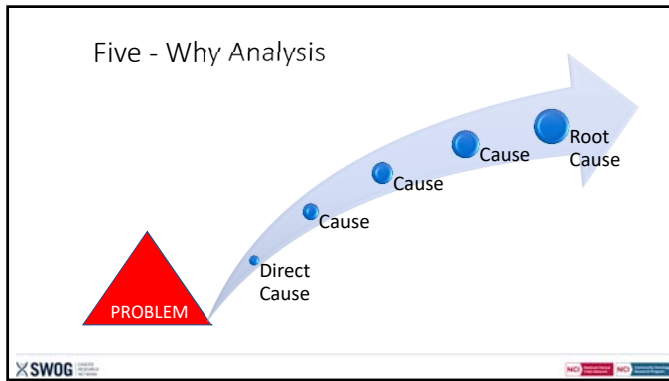
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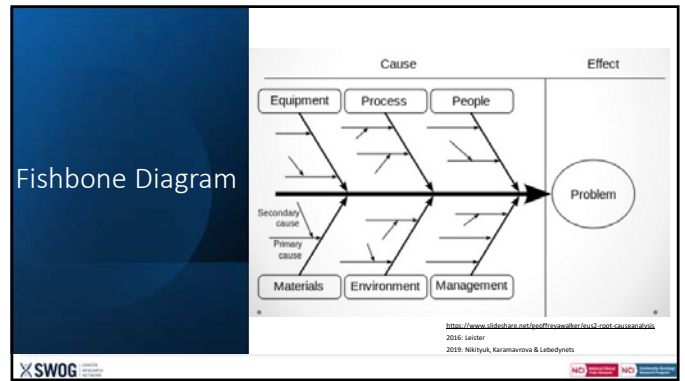
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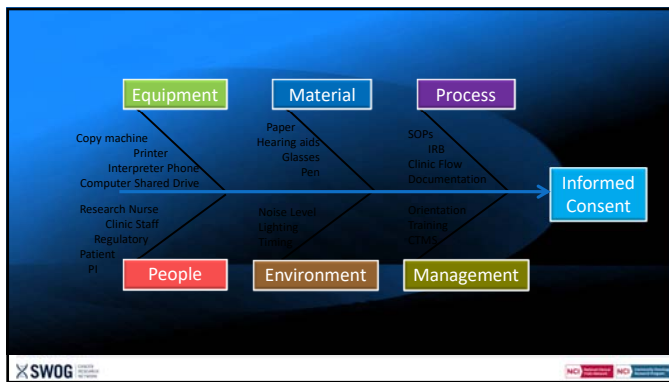
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The Preventative Action Plan

- Preventative actions focus on preventing future deviations based upon the root cause analysis.
- Single issue vs. multiple occurrences.
- Documentation

et. al
2019: Song, et. al.

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Drug infused over wrong time?

Who do you think should be on the team to evaluate the problem?

- Infusion Nurse
- Laboratory
- Data Management
- Research Nurse
- PI
- Pharmacy
- All of the above
- A, C, D, E & F

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Drug infused over wrong time?

What would be a good preventative action:

- Re-educate the infusion nurses to always stop the drug at 30 minutes, whether or not it is finished.
- Have all team members re-read the protocol.
- The data manager will remain in the clinic during the infusion to assure it goes in over the correct time.
- Have the pharmacy include the total volume on the infusion bag.
- The PI will infuse the drug per protocol

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Evaluation

- What will be measured?
- What is an acceptable rate?
- How will it be measured?
- How often & for how long will it be measured?

2014: Singleton, DeBastiani, Rose, Kahn

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Documentation Example

"The 5 Whys" Worksheet

Define the Problem	Define the Problem here:
Why is this a Problem?	1. Why did this happen?
	2. Why did this happen?
	3. Why did this happen?
	4. Why did this happen?
	5. Why did this happen?
Root Cause	List the root cause:

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Documentation Example

SWOG CORRECTIVE AND PREVENTATIVE ACTION PLAN

Institution Name	NCI Institution Code	Audit Date
Audit Type	Principal Investigator	
Audit Category	Attachment	
Deficiency Identified		
Root Cause		
Corrective Action Taken		
Preventive Action Plan		
Evaluation Plan		
Expected date for resolution		
Personnel Responsible		
CAPA Author Signature	Printed Name	Date
Principal Investigator Signature	Printed Name	Date

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"Measurement is the first step that leads to control and eventually to improvement. If you can't measure something, you can't understand it. If you can't understand it, you can't control it. If you can't control it, you can't improve it."

— H. James Harrington

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