Process Mapping

Todd Pawlicki, Ph.D.

with https://i.treatsafely.org

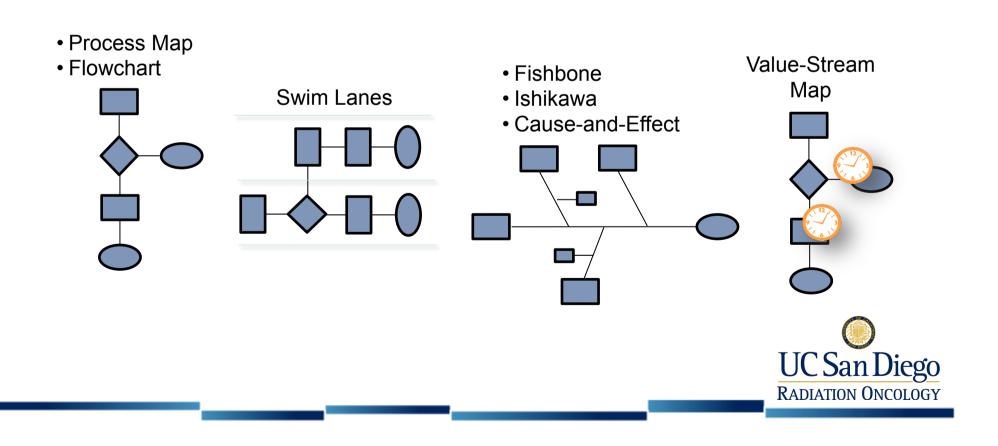


Joint IAEA-ICTP training on patient safety in radiotherapy Trieste, Italy 24 – 28 November, 2014



What is a Process Map?

• A pictorial representation of the sequence of steps that comprise a process



Benefits of Process Maps

• Immediate

- Communication ("A picture is worth a 1000 words.")
- Efficiency gains
- Safety gains
- Longer term
 - Maps form the basis for several quality improvement tools
 - Education and competency training

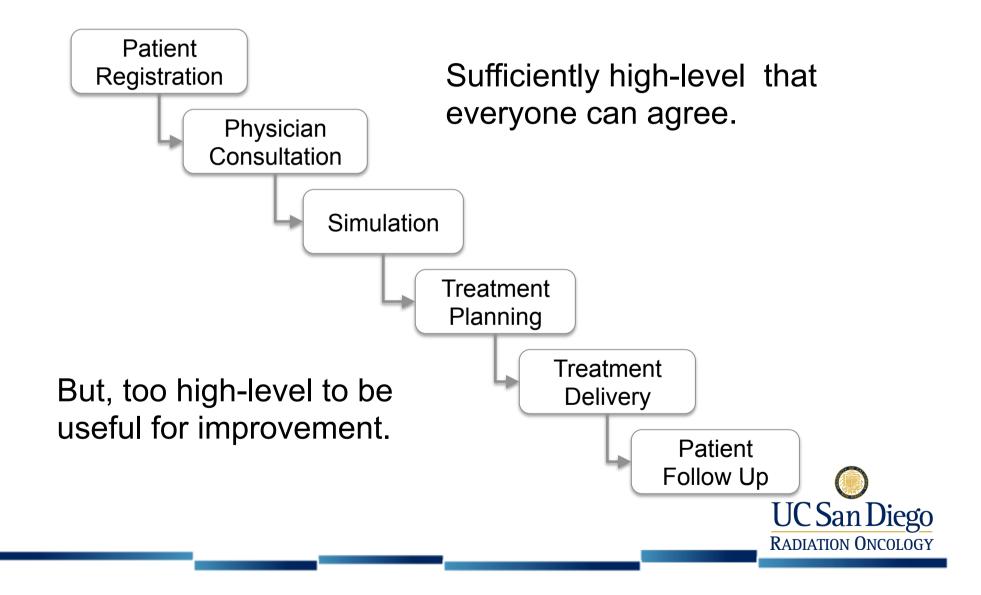


Recommendations

- Step 1: Decide what process to map. Don't try to cover too large of a process.
- Step 2: Form a group and identify a leader. Someone needs to be in charge and moving it forward.
- Step 3: Create an initial process map. Start with a draft that captures the workflow at a general level.
- Step 4: Iterative mapping. The process map is refined with the input from the staff involved in the process.

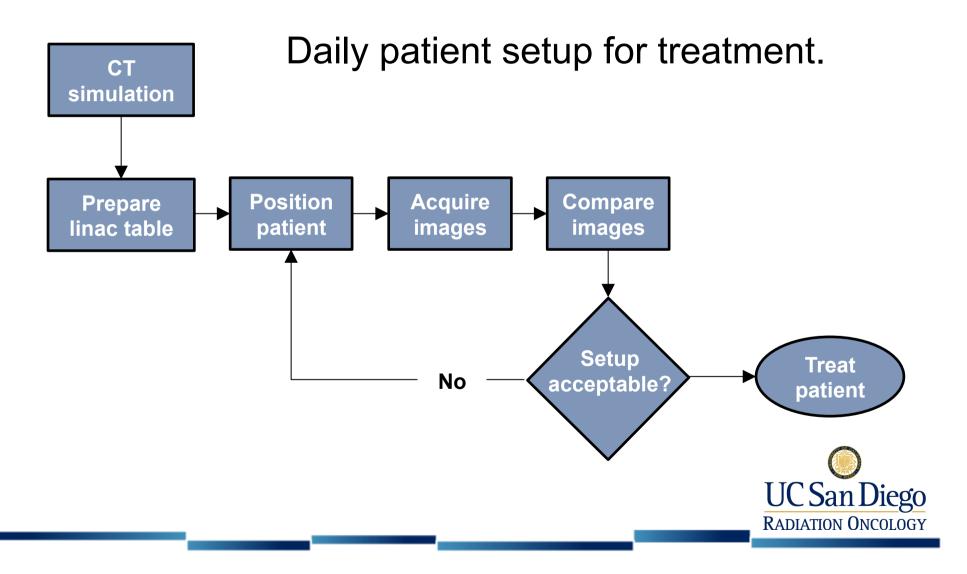


Creating a Process Map / Flowchart



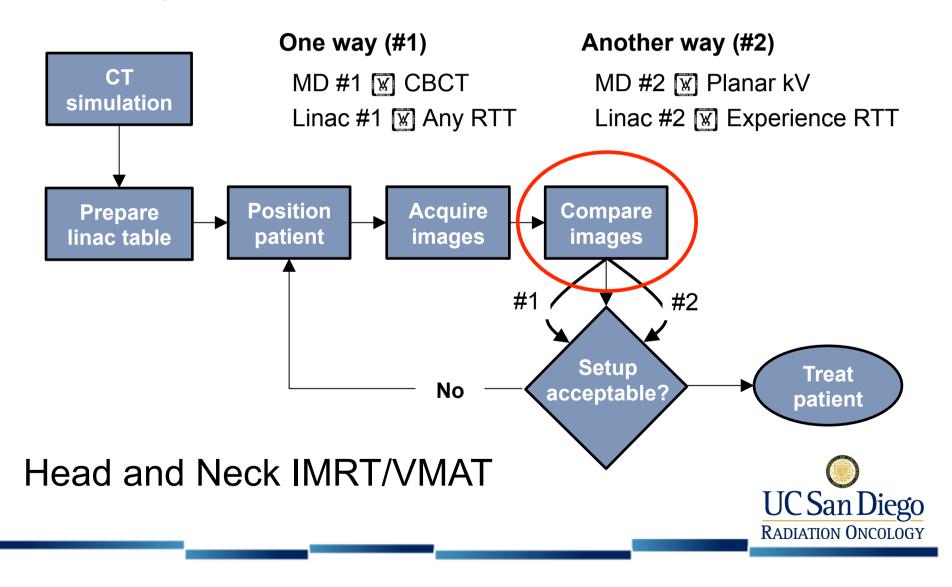
Narrow the Focus

(Process Map / Flowchart)

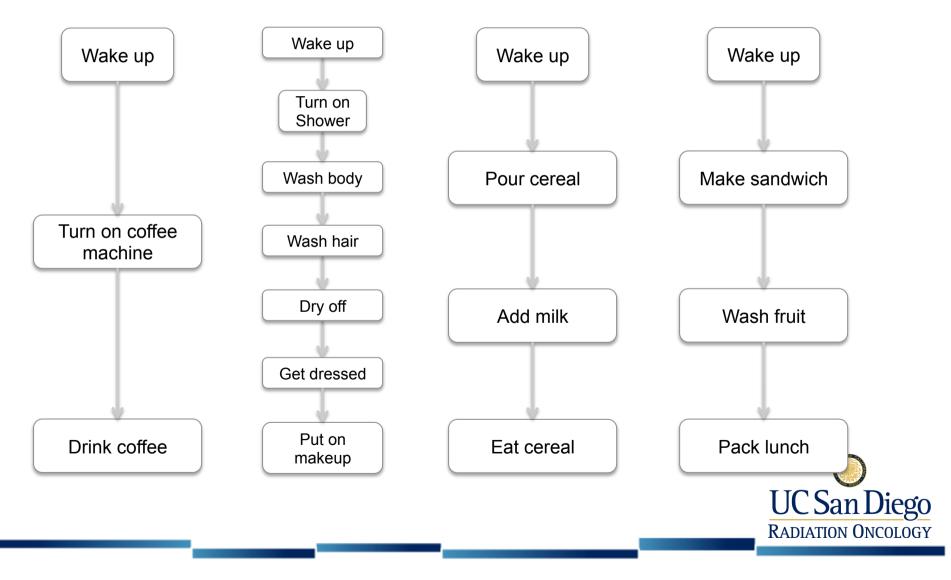


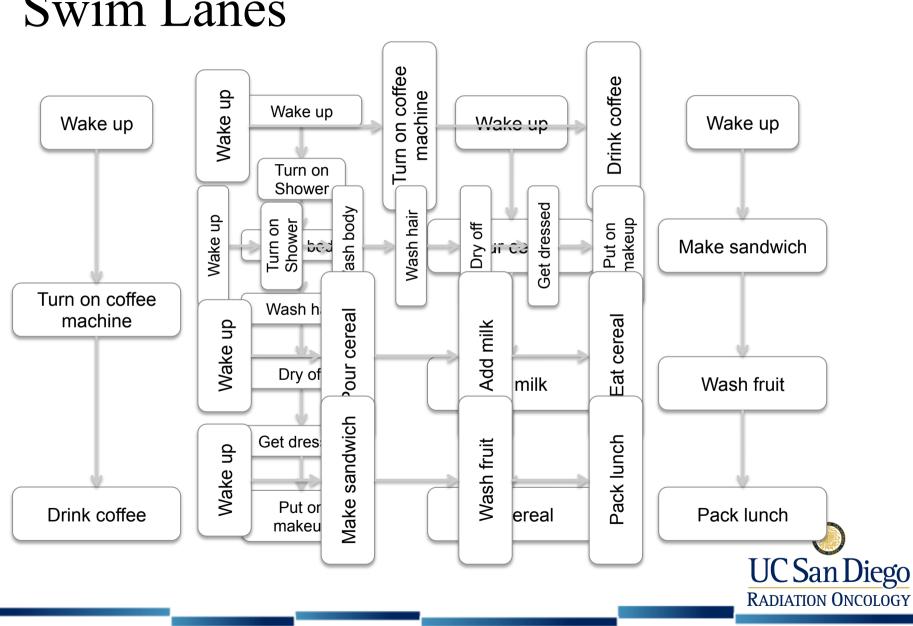
Specify and Look For Bifurcations

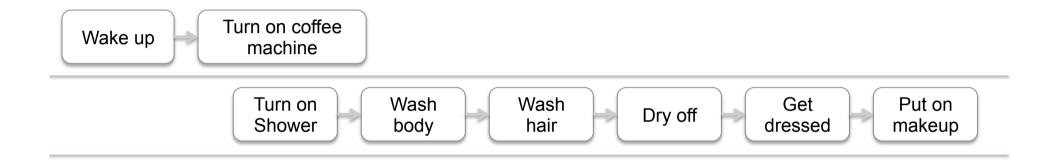
(Process Map / Flowchart)



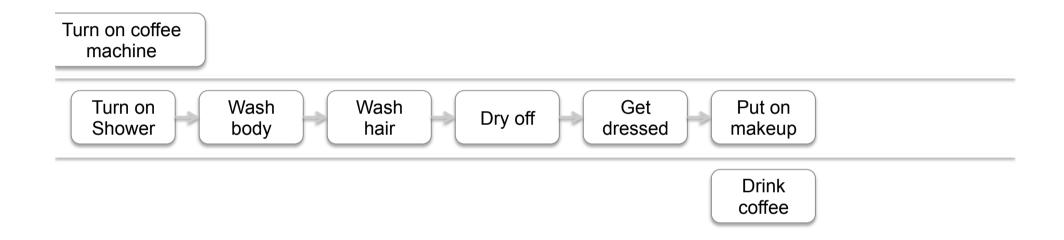
(Getting to work example)



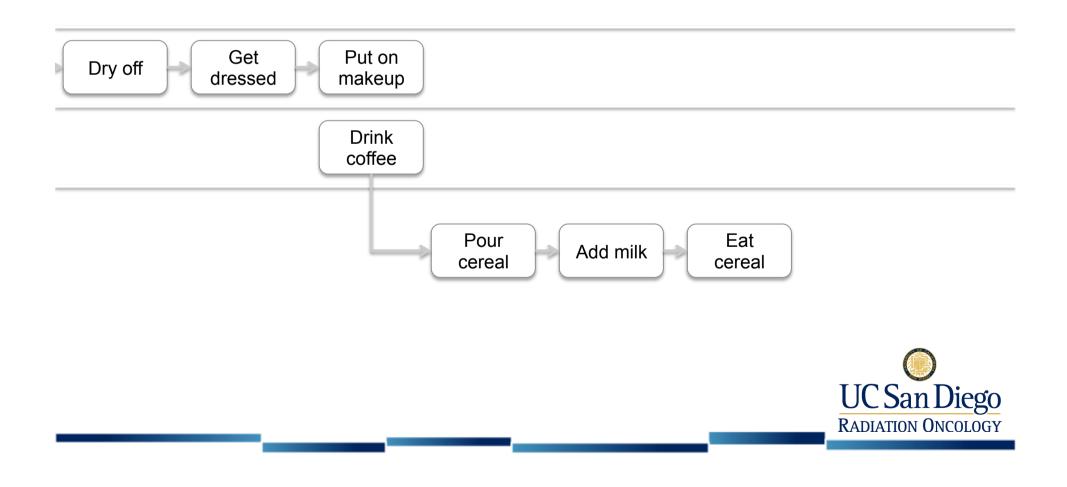


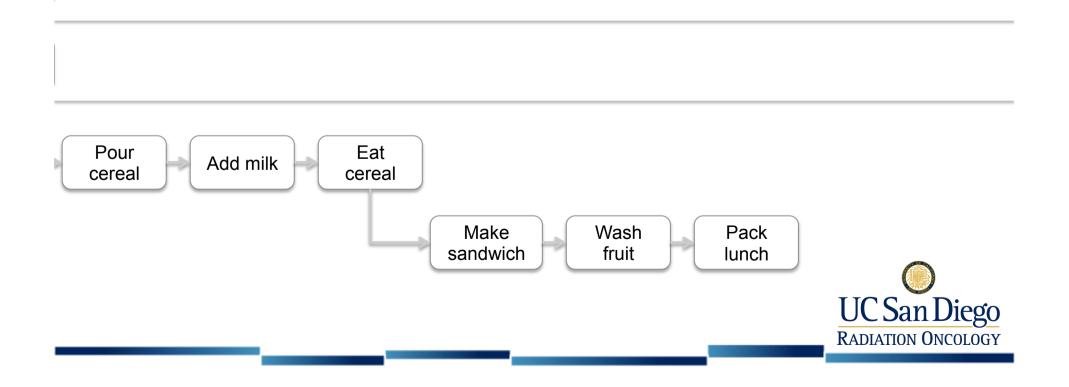


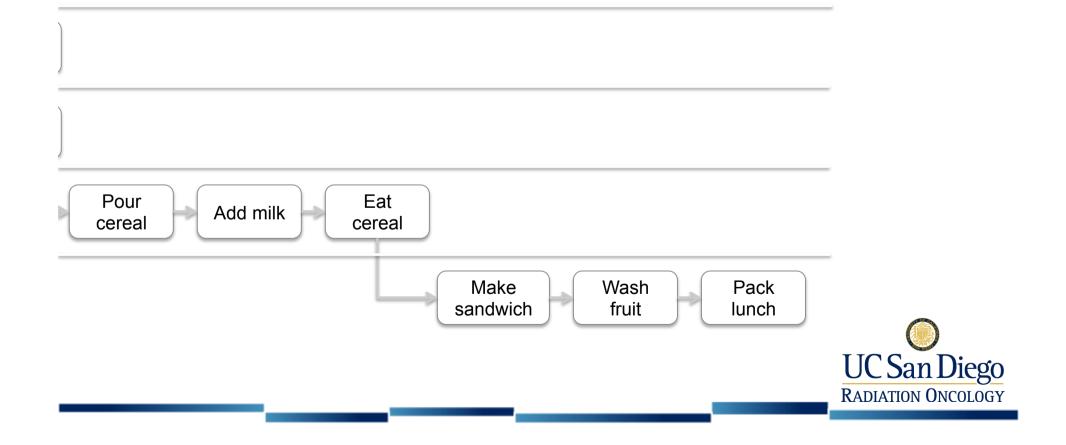












Cause-and-Effect Diagram

(Ishikawa or Fishbone Diagram; Causal Analysis example)

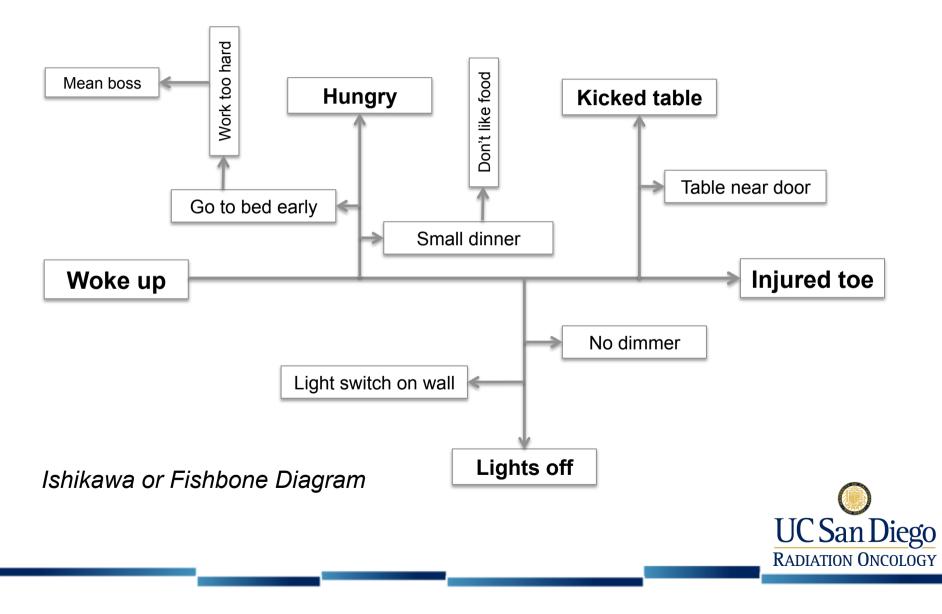
TreatSafely	R A N	
Event Date: Dec 10, 2012 Event Report Date: Dec 10, 2012		
Patient Name: <u>n/a</u> Patient ID: Other: Reporting Person: <u>Todd</u> (optional)		
Event Narrative: I injured my toe in the night.		
I would like to receive feedback on this report.		
Please submit to your supervisor for processing.		iego ^{ology}

Brainstorming Narrative

I was hungry in the middle of the night. The lights were off.



Cause-and-Effect Diagram



Creating Useful and Usable Maps

- Everyone should have the same understanding of the process steps
 - A multidisciplinary can be helpful but not necessary
- Number of steps in the map should be the smallest number to meet objective, but not less
- Just get it done
 - Don't focus on fancy graphics
 - There is value in just creating the map



Summary

- A picture is worth 1000 words maps are useful
- There are many different maps pick one you are comfortable with and use it
- Team work and have fun!

