

## Spaghetti Map

Visual creation of actual motion in the work area. A spaghetti diagram is the visual recreation of actual flow.

These diagrams track movement of people in the physical space. They can likewise depict item motion.

Use a distinct line or color for each type of flow, or use separate map for each flow path for more clarity.

The people doing the work should produce the spaghetti map. Record the path with a pencil and use a measuring wheel or tape measure to document distances. It is rare for people and things to move in straight lines. Draw lines as close to actual paths as possible.

Materials needed:

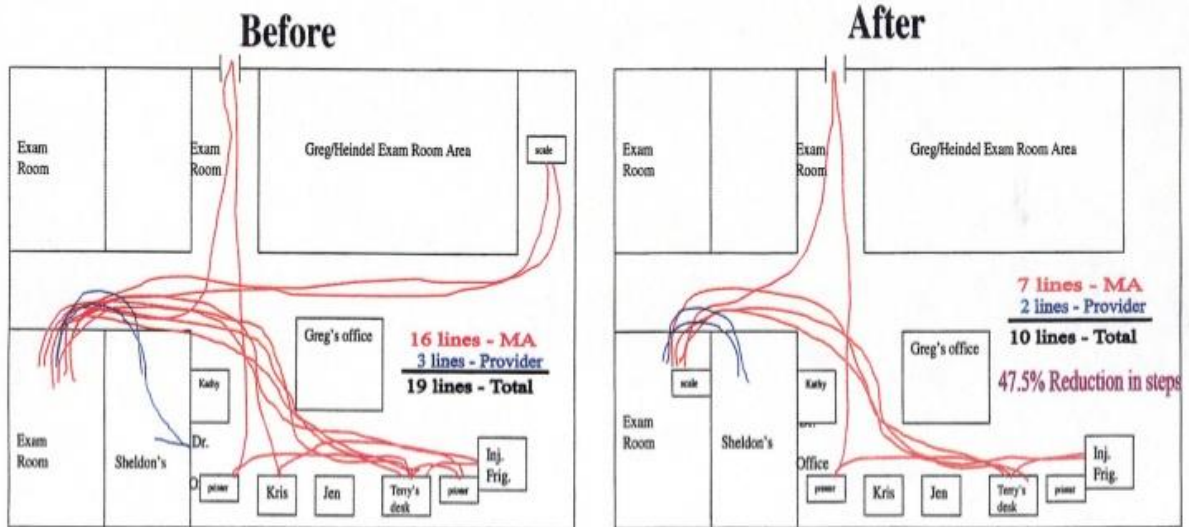
- Overhead views of space, drawn close to scale and labeled
- Colored Pencils
- Measuring Wheel and/or tape measure
- Stop Watch
- Team, Operators, People affected by the flow
- Actual Process map if available

Pedometer may be helpful here

STEPS:

- 1) Get the process map
- 2) Draw movements using directional arrows. Start at first step of first process.
- 3) Record all movement even if the paper becomes cluttered and hard to follow. This can be an opportunity.
- 4) Show the start and stop time of each activity. If tracking items, show the areas where materials stop. Record the start and stop times and the reason.
- 6) Show the names of those involved, dates, times, and other relevant information.
- 7) Calculate and record the distances and times.
- 8) Create a separate diagram showing the ideal state of flow for each that excludes as much non-value added tasks as possible.

# Spaghetti Chart Well Child



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(Toussaint, 2012)

## References

TOUSSAINT, J. 2012. *ThedaCare Improvement System- Six Sigma in Healthcare* [Online]. Available: [https://www.slideshare.net/Vijay\\_Bijaj/thedacare-improvement-system](https://www.slideshare.net/Vijay_Bijaj/thedacare-improvement-system) [Accessed April 14 2018].