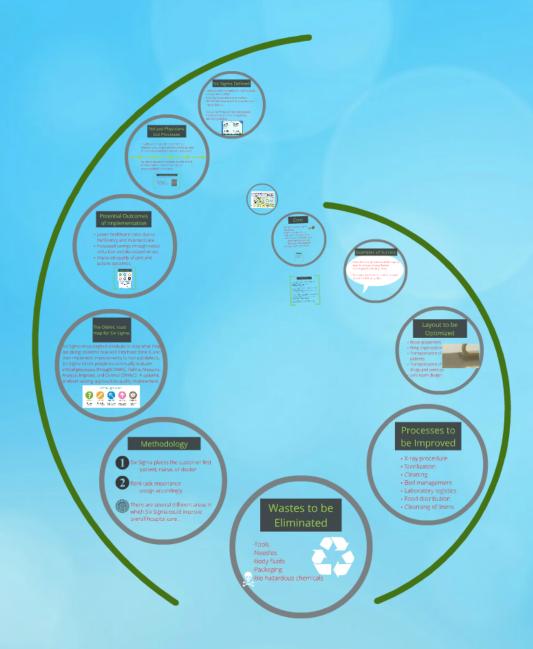
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Six Sigma Defined

Lean is a systemic method of adding value with minimum effort.

A Six Sigma process is one in which 99.99966% of manufactured products are free of defects.

A set of technique or tools for process improvement and output quality by identifying defects.



What is Lean Six Sigma?

Lean

- Removes Waste
- Increases Speed
- Removes non-value added process steps
- Fixes connections between process steps
- Focuses on the customer

Speed

Six Sigma

- Reduces Variation
- Improves Quality
- Reduces variation at each remaining step
- Optimizes remaining process steps
- Focuses on the customer

Accuracy

Better Delivery Quality

Better

Satisfied **Employees Customers**

Satisfied



improvement a identifying defe

Not just Physicians, but Processes

Healthcare is dependent on not only physicians, but is also an interconnected web of processes that flow from one to the next

By improving such processes, accidents and mistakes will be reduced to only the uncontrollable human error

Health Care Needs Six Sigma Errors in health care are common and can yield devastating consequences Examples of Potential Errors: -Medicine leakage -Mixed-up lab results -Operation on wrong body part -Unavailable equipment

Health Care Needs Six Sigma

Errors in health care are common and can yield devastating consequences

Examples of Potential Errors:

- -Medicine leakage
- -Mixed-up lab results
- -Operation on wrong body part
- -Unavailable equipment



Potential Outcomes of Implementation

- Lower healthcare costs due to inefficiency and incorrect care
- Increased savings through waste reduction and decreased errors
- Improved quality of care and patient outcomes



Why Change?

Why Lean Six Sigma?



PROFITABILITY



CUSTOMER REOUIREMENTS



EFFECTIVENESS



COMPETITIVE **ADVANTAGE**



Lean Six Sigma Benefit: Increases Efficiency

Before Lean Six Sigma:

Patients Seen Per Doctor

After Lean Six Sigma: Patients Seen Per Doctor

Satisfied Patients 1 Doctor

Before processes were improved, 1 doctor could only see 4 patients successfully. Decreased efficiency = less successful patient visits.

After processes were improved, 1 doctor could see 9 patients successfully. Increased efficiency = more successful patient visits.

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