

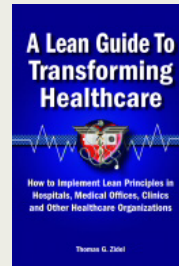
For additional information on Lean Hospitals visit our website at [www.leanhospitals.org](http://www.leanhospitals.org)

Six Sigma Green Belts are vital members of any Six Sigma improvement team and must be equipped to conduct or participate in Six Sigma Projects. This program is comprised of five consecutive days on intense training which will provide participants with a technical foundation of the Six Sigma tools. Participants will learn and apply the DMAIC (Define, Measure, Analyze, Improve, & Control) improvement methodology. The program includes the establishment of an improvement project by each participant which demonstrates their understanding of Six Sigma, define phase tools. Upon successful completion of the Six Sigma Green Belt Certification Program, each participant will be awarded a certificate attesting to the attainment of all requirements and criteria, designating them as a Lean Hospitals Certified Six Sigma Green Belt



**TOM ZIDEL**  
**PRESIDENT, LEAN HOSPITALS, LLC**

Tom Zidel is a consultant, speaker, author, and facilitator. He specializes in the implementation of Lean and Six Sigma in the healthcare environment. Tom's successful 20 year career in the manufacturing and aerospace industries includes experience implementing cost reduction, productivity, operational and quality improvement, and strategic deployment. Tom has devoted the last 6 years to successfully implementing Lean and Six Sigma principles in healthcare. He is the author of the book "A Lean Guide to Transforming Healthcare: How to Implement Lean Principles in Hospitals, Medical Offices, Clinics, and Other Healthcare Organizations"



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## Six Sigma Green Belt Training & Certification

Training participants to be competent members of an effective six sigma project team





**D**  
What is the problem?

**M**  
How bad is the problem?

**A**  
Under what circumstances does the problem exist?

**I**  
How can the problem be fixed?

**C**  
How does it stay fixed?



*For additional information: Email us at [info@leanhospitals.org](mailto:info@leanhospitals.org) or call toll free at 866-831-5165*



The certified Six Sigma Green Belt will be able to lead and/or participate in six sigma projects

There are no prerequisites or previous experience of Statistical Process Control required for this training program

Participants are required to have a laptop computer with a MS operating system. The computer must have the ability to download a free 30 day trial version of Minitab15® from the Minitab website.

Be certain not to download the trial version more than one week prior to the program dates.

## Training and Certification for Healthcare Professionals

### DEFINE STAGE

The define phase involves project selection and clearly stating the problem, the project scope, the process inputs and outputs, and identifying those inputs which are critical to quality. Tools include:

- Project Charter
- SIPOC
- CTQ
- COPQ
- VOC

and many others which clarify the project's customers, suppliers, stakeholders, and objectives

### MEASURE PHASE

The measure phase requires a through understanding of the process as it is presently performed.

Training provides a clear understanding of, measures of central tendency, standard deviation, Interquartile range, populations, samples, sampling methods, data collection methods, process capability, rolled throughput yield, measurement system analysis, and more.

### ANALYZE PHASE

The analyze phase employs practical, graphical and analytical methods. This involves critical thinking, Pareto charts, scatter diagrams, histograms, box plots, hypothesis testing, understanding confidence intervals, etc.

### IMPROVE

Participants will learn to conduct full factorial design of experiments (DOE), as well as, how to interpret the results. Cube plots, main effects, interactions and interpolation of data points are a few of the tools used to interpret DOE results.



### CONTROL

Control means process monitoring and includes run charts, individual and moving range charts, as well as, identifying trends, cycles, abnormal fluctuations and other indicators of special cause variation



. Certification requires:

- Attendance at all training sessions
- Establishment of a Six Sigma improvement project, and a presentation demonstrating an understanding of the implementation of the tools associated with the Define phase of the DMAIC methodology.
- A passing grade on the comprehensive examination

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