# OVERVIEW AND PRINCIPLES OF A QUALITY SYSTEM

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# **QUALITY**Something we all want

**Popular Definitions for Quality** 

All of them are right, as they each contain a key element of what quality means to users of products and services

## • A degree of excellence

- Conformance to requirements
- Totality of characteristics which act to satisfy a need
- Fitness for use
- Fitness for purpose
- Freedom from defects
- Delighting customers



# QUALITY In Health Care

The Institute of Medicine defines health care quality as "the degree to which health care services for individuals and populations increase the likelihood of desired health outcomes and are consistent with current professional knowledge



# QUALITY You have it because you want it



Be careful about your wishes. Now you have to manage the wealth.



# Major Components of a Quality Management System

- Quality Policy
- Quality Planning Quality Objectives
- Quality Operational Procedures
- Quality Control
- Quality Improvement



## **Quality System Processes**



# **Quality Improvement**

Six Sigma is a measurement-based strategy for process improvement and problem reduction completed through the application of improvement projects. This is accomplished through the use of two Six Sigma models: DMAIC and DMADV.

- DMAIC (define, measure, analyze, improve, control) is an improvement system for **existing processes** falling below specification and looking for incremental improvement.
- DMADV (define, measure, analyze, design, verify) is an improvement system used to develop **new processes** at Six Sigma quality levels.



## **Quality Improvement**





## Resources

#### **Professional Organizations**

EBMT

ASBMT

ISCT

WBMT

### Published methods (Books, manuals, and scientific papers) Accrediting organizations

FACT

JACIE

AABB

## **Peer Communication**

**BMT Roundtables** 

https://www.linkedin.com/in/bmtqualityroundtable

https://groups.google.com/forum/#!forum/bmt-quality-

## Thank you



## QUALITY IS NOT AN ACT BUT A HABIT.

ARISTOTLE







#### **Quality means** doing it right when no one is looking.

Henry Ford

