

Basic Improvement Methodology

An Overview of the Model for Improvement

- **Paper: Comparing Lean and Quality Improvement**
Scoville R, Little K. *Comparing Lean and Quality Improvement*. Cambridge, Massachusetts: Institute for Healthcare Improvement; 2014.
<http://www.ihl.org/resources/Pages/IHIWhitePapers/ComparingLeanandQualityImprovement.aspx>
- **Website: Health Resources and Services Administration**
Quality improvement. Health Resources and Services Administration website.
<https://www.hrsa.gov/quality/toolbox/methodology/qualityimprovement/index.html>. Published April 2011.
- **Paper: Circling Back: Clearing up Myths about the Deming Cycle and Seeing How it Keeps Evolving**
Moen R, Norman CL; American Society for Quality. Circling back: clearing up myths about the Deming cycle and seeing how it keeps evolving. *Quality Progress*. 2010;22–28. <http://www.apweb.org/circling-back.pdf>
- **Book: The Improvement Guide: A Practical Approach to Enhancing Organizational Performance**
Langley GL, Moen R, Nolan KM, Nolan TW, Norman CL, Provost LP. *The Improvement Guide: A Practical Approach to Enhancing Organizational Performance*. 2nd ed. San Francisco, California: Jossey-Bass Publishers; 2009.
- **Article: What Is “Quality Improvement” and How Can it Transform Health Care?**
Batalden PB, Davidoff F. What is “quality improvement” and how can it transform health care?. *Quality and Safety in Health Care*. 2007;16(1):2–3.
<http://qualitysafety.bmj.com/content/16/1/2.full>
- **Article: A Primer on Leading the Improvement of Systems**
Berwick DM. A primer on leading the improvement of systems. *BMJ*. 1996;312:619–622. <http://www.bmj.com/content/312/7031/619.full>

Settling an Aim

- **Toolkit: Quality Improvement Essentials**
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Choosing Measures

- **Article: Standardizing Patient Outcomes Measurement**
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<http://www.nejm.org/doi/full/10.1056/NEJMp1511701>
 - **Article: JAMA Forum: If You Can't Measure Performance, Can You Improve It?**
Berenson RA. JAMA Forum: If you can't measure performance, can you improve it? *News@JAMA*. January 13, 2016. <https://newsatjama.jama.com/2016/01/13/jama-forum-if-you-cant-measure-performance-can-you-improve-it/>
 - **Book: The Health Care Data Guide: Learning from Data for Improvement**
Provost LP, Murray S. *The Health Care Data Guide: Learning from Data for Improvement*. San Francisco, California: Jossey-Bass Publishers; October 2011.
 - **Article: Statistical Process Control as a Tool for Research and Healthcare Improvement**
Benneyan JC, Lloyd RC, Plsek PE. Statistical process control as a tool for research and healthcare improvement. *Quality and Safety in Health Care*. 2003;12:458-464.
<http://qualitysafety.bmj.com/content/12/6/458.full>
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Developing Changes

- **Article: A Systems Approach Is The Only Way To Address The Opioid Crisis**
Martin L, Laderman M. A systems approach is the only way to address the opioid crisis. *Health Affairs Blog*. June 13, 2016. <http://healthaffairs.org/blog/2016/06/13/a-systems-approach-is-the-only-way-to-address-the-opioid-crisis/>
 - **Toolkit: Select Sustainable Change Initiatives**
Lynch D, Rajcevic E. *Select Sustainable Change Initiatives*. American Medical Association; 2015. <https://www.stepsforward.org/modules/implementing-change>
 - **Article: Lean and Six Sigma—A One-Two Punch**
Smith B. Lean and Six Sigma—a one-two punch. *Quality Progress*. April 2003;36(4)37-41.
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Testing Changes

- **Article: The Problem With Plan-Do-Study-Act Cycles**
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- **Article: Analytical Studies: A Framework for Quality Improvement Design and Analysis**
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and Safety in Health Care. April 2011;20(1).

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- **Report: The Ethics of Using QI Methods to Improve Health Care Quality and Safety**
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- **Article: Using a Bundle Approach to Improve Ventilator Care Processes and Reduce Ventilator-Associated Pneumonia**
Resar R, Pronovost P, Haraden C, Simmonds T, Rainey T, Nolan T. Using a bundle approach to improve ventilator care processes and reduce ventilator-associated pneumonia. *Joint Commission Journal on Quality and Patient Safety*. March 2005;31(5):243–248. [http://www.jointcommissionjournal.com/article/S1553-7250\(05\)31031-2/fulltext#S0005](http://www.jointcommissionjournal.com/article/S1553-7250(05)31031-2/fulltext#S0005)