

Quality Improvement Resources

Quality Improvement Specific

- Institute for Healthcare Improvement (IHI) Open School (free resource):
 - The Open School's **Basic Certificate in Quality and Safety** comprises 13 essential courses
 - Open School courses are broken into digestible, 15- to 40-minute lessons.
 - Many are eligible for CME or MOC credits

<http://www.ihl.org/education/ihlopenschool/Pages/default.aspx>
- Education in Quality Improvement for Pediatric Practice (EQIPP); free to AAP members
 - Includes a **QI Basics** course
 - Introduces the Model for Improvement, a systematic framework for improving patient care. The Model is used in all EQIPP courses and involves running small, successive tests of change through Plan, Do, Study, Act (PDSA) cycles.
 - Earn MOC Part 4 credit

<https://eqipp.aap.org/qi-basics/home>
- Value in Inpatient Pediatrics (VIP) Network; free access
 - Contains **QI Resources** and **QI Toolbox**

<https://www.aap.org/en-us/professional-resources/quality-improvement/Pages/default.aspx>
- SHM Quality Improvement 101; many modules are free for SHM members
 - Provides a variety of resources, tools, and programs to help address quality and patient safety issues
 - Institutional Engagement
 - Forming your QI Team
 - Developing Goals
 - Analyzing your Success Measures
 - Planning Interventions
 - QI Education, including Learning Portal modules

<https://www.hospitalmedicine.org/clinical-topics/clinical-topic-overview/>

- Intermountain Health Care Advanced Training Program; onsite training program for QI leaders

<https://intermountainhealthcare.org/about/transforming-healthcare/institute-for-healthcare-delivery-research/courses/advanced-training-program/>

- Introduction to Healthcare Quality Management by P. Spath
- American Society for Quality, Quality Tools; tools library is free access

<https://asq.org/quality-resources/quality-tools>

Statistics and Data Management

- **Statistical process control** is a method of quality control which employs statistical methods to monitor and control a process.

<https://asq.org/quality-resources/statistical-process-control> American Society for Quality, free access

- p-chart tool, free tool from National Health Service UK

<https://improvement.nhs.uk/resources/p-chart-statistical-process-control-tool/>

- Control Chart Cheat Sheet
- <https://www.gimacros.com/pdf/Control-Chart-Cheat-Sheet.pdf>
- Program to run general statistical analysis

<http://www.quantitativeskills.com/sisa/>

- Self-Directed Learning
 - Stanford Lagunita MedStat's: Statistics in Medicine
 - 6w archived course—register online and review the modules for free
- <https://lagunita.stanford.edu/courses/Medicine/MedStats./Summer2015/about>
- Coursera
 - Open source web-based classrooms
 - Epidemiology: <https://www.coursera.org/learn/epidemiology>
 - Behind the stats: <https://www.coursera.org/learn/clinical-research>