

SHM Quality Improvement Academy
Quality Improvement Methods: Lean and PDSA

2022-2025

References

1. Dickson EW, Singh S, Cheung DS, et al. Application of Lean Manufacturing Techniques in the Emergency Department. *J Emerg Med*. 2009;37(2):177-172.
2. Niemeijer GC, Trip A, Ahaus K, et al. Quality in Trauma Care: Improving the Discharge Procedure of Patients by Means of Lean Six Sigma. *J Trauma*. 2010;69(3):614-619.
3. Hintzen B, Knoerr SJ, Van Dyke CJ, Milavetz BS. Effect of Lean Process Improvement Techniques on a University Hospital Inpatient Pharmacy. *Am J Health Syst Pharm*. 2009;66:2042-2047.
4. Burry E, Punnett A, Mehta A, et al. Identification of Educational and Infrastructural Barriers to Prompt Antibiotic Delivery in Febrile Neutropenia: A Quality Improvement Initiative. *Pediatr Blood Cancer*. 2011 Dec 6. [Epub ahead of print].
5. Raab SS, Andrew-JaJa C, Condel JL, Dabbs DJ. Improving Papanicolaou Test Quality and Reducing Medical Errors by Using Toyota Production System Methods. *Am J of Obstetrics and Gynecology*. 2006;194:57-64.
6. Cima RR, Brown MJ, Hebl JR, et al. Use of Lean and Six Sigma Methodology to Improve Operating Room Efficiency in a High-Volume Tertiary-Care Academic Medical Center. *J Am Coll Surg*. 2011;213(1):83-92.
7. Ohno T. *Toyota Production System: Beyond Large-Scale Production*. Portland, Ore: Productivity Press; 1988.
8. Bush RW. Reducing Waste in US Health Care Systems. *JAMA*. 2007;297(8):871-874.
9. Bush RW and Philibert I. Making Sense: Duty Hours, Work Flow, and Waste in Graduate Medical Education. *J Grad Med Educ*. 2009 Dec;1(2):322-326.
10. Kim CS, Spahlinger DA, Kin JM, Billi JE. Lean Health Care: What Can Hospitals Learn from a World-Class Automaker? *J Hosp Med*. 2006;1(3):191-9.
11. Institute for Healthcare Improvement. *Going Lean in Health Care*. White Paper. Boston, MA: Institute for Healthcare Improvement; January and February 2005.
12. Berwick D. A Primer on Leading the Improvement of Systems. *BMJ*. 1996;312:619.
13. Langley GJ, Moen R, Nolan KM, Nolan TW, et al. *The Improvement Guide: A Practical Approach to Enhancing Organizational Performance*. 2nd ed. San Francisco, CA: Jossey-Bass; 2009.
14. Francois P, Peyrin JC, Touboul M, Labarere J, Reverdy T, Vinck D. Evaluating Implementation of Quality Management Systems in a Teaching Hospital's Clinical Departments. *Int J Qual Health Care*. 2003;15(1):47-55.