Effective Data Use in Quality Improvement
March 17, 2023

Objectives: By the end of the session, Fellows will:
1. Discuss practical issues associated with data use in quality improvement projects.
2. List strengths and limitations of various data collection approaches.
3. Articulate the importance of measurement specification.
4. Recognize factors to consider when displaying data.

Readings/Resources:*
- Brassard, M., & Ritter, D. (2005). *Memory Jogger II Healthcare Edition: A Pocket Guide of Tools for Continuous Improvement and Effective Planning*. Salem, NH: GOAL/QPC.
- National Quality Forum. *Quality Positioning System*. Available at, http://www.qualityforum.org/QPS/

Additional Resources:
- Agency for Healthcare Research and Quality (AHRQ): http://www.ahrq.gov/
- Carey, RG, Lloyd RC (2001). *Measuring quality improvement in healthcare: a guide to statistical process control applications*. Milwaukee, WI: The American Association for Quality.
- Carey, RG, Staker, LV (2003). *Improving healthcare with control charts: basic and advanced SPC methods and case studies.* Milwaukee, WI: The American Association for Quality.
- Centers for Disease Control and Prevention. National Center for Health Statistics: https://www.cdc.gov/nchs/
- CMS Quality Payment Program (QPP): https://qpp.cms.gov/
- Institute for Healthcare Improvement. *Measures*: http://www.ihi.org/resources/Pages/Measures/default.aspx
- Joint Commission Resources: http://www.jcrinc.com/
- National Committee for Quality Assurance (NCQA) *Quality Compass*: https://www.ncqa.org/programs/data-and-information-technology/data-purchase-and-licensing/quality-compass/
- Tableau®. Tableau Viz Gallery: https://www.tableau.com/solutions/gallery. Accessed February 10, 2023.
- Tufte, E (2001). *The visual display of quantitative information* (2nd edition). Cheshire, CT: Graphics Press.
- Veney JE, Kros, JF, Rosenthal DA. (2009). *Statistics for health care professionals: working with Excel* (2nd edition). San Francisco, CA: Jossey-Bass.

*The first section of readings/resources are included on a flash drive for each Fellow.