| **MARCH 2023 CPHQ CONTENT OUTLINE WITH SELF ASSESSMENT AND STUDY PLAN**  **1 = Unfamiliar with this task. 2 = Familiar with some terms/concepts but have not done in my practice.**  **3 = Have done this in my practice but need review/update. 4 = Do this every day!** | | |
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| **MODULE, Section and Tasks** | **Rating** | **Additional Study** |
| **DATA ANALYTICS** | | |
| **A. DATA MANAGEMENT SYSTEMS** | | |
| 1. Assist in evaluating and developing data management systems to support quality improvement |  |  |
| 1. Design data collection plans: |  |  |
| * 1. Measure development (e.g., definitions, goals, thresholds, numerators, and denominators) |  |  |
| * 1. Tools and techniques |  |  |
| * 1. Sampling methodology |  |  |
| 1. Identify and select measures (e.g., structure, process, outcome, experience) |  |  |
| 1. Collect and validate quantitative and qualitative data |  |  |
| 1. Identify external data sources for comparison and benchmarking |  |  |
| 1. Design scorecards and dashboards for different audiences |  |  |
| **B. MEASUREMENT AND ANALYSIS** | | |
| 1. Use data management systems for organization, analysis, and reporting of data |  |  |
| 1. Use data visualization and display techniques. |  |  |
| 1. Use measurement tools to evaluate process improvement. |  |  |
| 1. Use statistics to describe data and examine relationships (e.g., measures of central tendency, standard deviation, correlation, regression, t-test). |  |  |
| 1. Use statistical process control techniques and tools (e.g., common and special cause variation, control charts, trend analysis) |  |  |
| 1. Compare data sources to establish benchmarks. |  |  |
| 1. Interpret data to support decision-making. |  |  |