| **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
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| 1. Design data collection plans:
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| * 1. Measure development (e.g., definitions, goals, thresholds, numerators, and denominators)
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| * 1. Tools and techniques
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| * 1. Sampling methodology
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| 1. Identify and select measures (e.g., structure, process, outcome, experience)
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| 1. Collect and validate quantitative and qualitative data
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| 1. Identify external data sources for comparison and benchmarking
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| 1. Design scorecards and dashboards for different audiences
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| **B. MEASUREMENT AND ANALYSIS** |
| 1. Use data management systems for organization, analysis, and reporting of data
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| 1. Use data visualization and display techniques.
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| 1. Use measurement tools to evaluate process improvement.
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| 1. Use statistics to describe data and examine relationships (e.g., measures of central tendency, standard deviation, correlation, regression, t-test).
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| 1. Use statistical process control techniques and tools (e.g., common and special cause variation, control charts, trend analysis)
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| 1. Compare data sources to establish benchmarks.
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| 1. Interpret data to support decision-making.
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