

**QI Residency Program
Modules E and F – Healthcare Data in Practice**

**Mary Lanning Healthcare
Hastings, Nebraska
July 13 – 14, 2023**

Objectives:

- Identify measures for quality improvement (e.g. structure, process, and outcome)
- Identify data sources for comparison (e.g., benchmarking)
- Summarize best practices for collecting and validating data
- Use Microsoft Excel to organize data for analysis and reporting
- Interpret data to support decision-making
- Use tools to display data or evaluate a process (e.g., Pareto chart, run chart, scattergram, control chart)
- Identify important components of Scorecards, Dashboards, and Board Reports
- Use data visualization tools and techniques to facilitate communication

Pre-work:

- Complete “Mastering Microsoft Excel Basics”
- Download and complete “Take a Tour” and “Formula Tutorial” located at <https://tinyurl.com/excel-resources>. Contact Bill Redinger at bill.redinger@giregional.org with questions prior to the session.
- Collect and submit examples of Scorecards, Dashboards, and Board Reports from your facility to askinner@nebraskahospitals.org two weeks prior to class date.

Thursday, July 14

8:30 – 8:45	Welcome – Updates, Program Overview	NHA Quality Team
8:45 – 9:45	Why is Data Collection, Analysis, and Reporting so Important?	Marty Fattig Bill Redinger Anne Skinner
9:45 – 10:00	Break	
10:00 – 11:45	Data Collection, Organization, Analysis, and Visualization <ul style="list-style-type: none">• NHA Data Demonstration -- Sachi Verma, NHA Data and Research Manager	Marty Fattig Bill Redinger Anne Skinner
11:45 – 12:45	Lunch	
12:45 – 3:00	Learning From and Solving Problems with Data using Microsoft Excel	Marty Fattig Bill Redinger Anne Skinner Sachi Verma
3:00 – 3:15	Break	
3:15 – 4:30	Evaluate Scorecards, Dashboards and Board Reports	Marty Fattig Bill Redinger Anne Skinner
4:30 – 5:00	Wrap-Up and Feedback	NHA HQIC Team
5:00 – 6:00	Networking Event	

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Friday, July 15

8:30 – 9:00	Hospital Tour -- Optional	Hospital Rep
9:00 – 9:15	Welcome and Questions from Day 1	NHA Quality Team
9:15 – 10:15	Scorecards, Dashboards and Board Reports - Case Study/Group Work	Anne Skinner Bill Redinger
10:15 – 10:30	Break	
10:30 – 12:00	Capstone Data Collection and Analysis	Anne Skinner Bill Redinger
12:00 – 12:30	Lunch	
12:30 – 2:00	Putting It all Together – Group Work	All
2:00 – 2:15	Break	
2:15 – 3:15	Putting It All Together – Capstone Work	All
3:15 – 3:30	Wrap-Up Feedback	All