

Data Fundamentals: Using Data to Drive Improvement

Building Capacity for Quality Improvement



Course:
Data Fundamentals:
Using Data to Drive Improvement

March 8, 2011

Speaker:
Sandy Murray

Location:
St. John's Rehab Hospital
Toronto, ON





Data Fundamentals: Using Data to Drive Improvement

What's It All About?

This one-day workshop is geared towards those seeking to advance their skills in data collection, data analysis, and the use of analytical statistics in decision-making and improvement. This will be accomplished through participants' review and hands on use of such tools as Run charts, Pareto charts, Histograms, and Scatter Diagrams.

Who Should Attend?

This course is appropriate for healthcare professionals at middle and upper management level, care providers involved in quality improvement, professionals involved in utilization review, case management, and data collection and analysis and functional or departmental managers.

Agenda Highlights

- The difference between data for improvement, accountability and research;
- The toolkit for improvement;
- Concept of Variation and the Run Chart: How to Build, Analyze and Use for Improvement;
- Hands-on Practice with Data Analysis Tools: Pareto Chart, Histogram and Scatter Diagram.

Workshop Objectives:

By the end of this workshop, participants will be able to:

- Select the appropriate tool from a chest of data tools for the question being addressed;
- Analyze a run chart;
- Identify signals that indicate statistically significant evidence of change on run chart;
- Analyze a Pareto chart, a histogram and a Scatter diagram.

Faculty:

Sandra is a principal in Corporate Transformation Concepts, an independent consulting firm formed in 1994. Sandra concentrates her consulting in the areas of using data for improvement, business process improvement methods and strategic planning. She is currently on faculty at the Institute for Healthcare Improvement (IHI) and the National Association for Healthcare Quality.

AGENDA

8:30 a.m. to 9:45 a.m.

Introduction

Data for Improvement, Accountability & Research

Some data collection fundamentals:

- Clarity of questions;
- Operational definition.

The fundamentals of run charts:

- Why care about variation.

9:45 a.m. to 10 a.m.

Break

10 a.m. to 12 p.m.

The fundamentals of run charts continued:

- Building run charts;
- Rules to identify signals of change;
- Practice run chart analysis;
- Using run charts;
- Good display techniques;
- Family of measures;
- Small multiples.

12 p.m. to 12:45 p.m.

Lunch & Networking

12:45 p.m. to 2:30 p.m.

A treasure chest of tools:

- Which tool for which questions;
- Pareto (hands-on practice with analysis and examples);
- Histogram (analysis and examples);
- Scatter Diagram (analysis and examples).

2:30 p.m. to 2:45 p.m.

Break

2:45 p.m. to 4:30 p.m.

A treasure chest of tools continued:

- Scatter Diagram (analysis and examples);
- Special and Common cause variation;
- Rules for analysis.

4:30 p.m. to 4:40 p.m.

Wrap-Up & Adjournment



Data Fundamentals: Using Data to Drive Improvement

Name: _____

Title: _____

Organization: _____

E-mail: _____

Cost for the Workshop

- I am registering as a QHN member – \$99 + HST (using one of my five membership seats)
- I am registering as a QHN member – \$299 + HST (after using my five membership seats)
- I am registering as a non-member – \$599 + HST

The session I am registering for is:

- March 8, 2011 – St. John's Rehab Hospital, Toronto, Ontario

How to Register

E-mail registration to katie.hutchinson@qhn.ca or fax it to 416-351-3762.

Should you have any questions about the program, please contact Katie Hutchinson at 416-351-3760 or katie.hutchinson@qhn.ca.

How to Pay

Cheques should be made payable to the Quality Healthcare Network and mailed to Quality Healthcare Network, 790 Bay Street, Unit 930, Toronto, Ontario M5G 1N8.

The Network cannot process credit cards.

Cancellation Policy

You are free to substitute attendees at any time, but please remember to submit this information via email to katie.hutchinson@qhn.ca.

We do not provide refunds for those that cancel registration with less than seven days notice. You will be responsible for the full payment.