

33104 Drowning in Data? A Practical Guide to Reacting Less and Improving More

2020 AACC Annual Scientific Meeting & Clinical Lab Expo - Chicago, IL

12/15/2020 11:00 AM Until 12/15/2020 12:30 PM

Session Type: Scientific Session

ACCENT Credit Hours: 1.5

Session Level: Advanced

Session Overview: This scientific session will focus on applications of proven techniques to identify true signals in the flood of available metrics. The information presented will provide a methodology to answer three key questions: 1) Are we achieving our goals based on the metrics we use? 2) Are we doing better now than we were previously? 3) How do we measure and drive true improvement?

Needs Assessment: Metrics are pervasive through the entire testing life cycle. Regulatory requirements as well as business trends have resulted in a keen awareness of the critical role that data play in laboratory medicine outside of the analytical phase of testing. Continued technological advancements have reduce laboratory analytical errors facilitating a shift towards overall quality indicators (Plebani M., Clin Biochem. 2017 Feb;50(3):101-104). However, the implementation of quality indicators often bring unanticipated challenges such as how to set realistic yet challenging goals, how to determine when to react to a metric, how to identify where to allocate the scarcity of resources available in most organizations, and how to present data to decision makers in a manner that is visual and more understandable. This session will focus on the principles of statistical process control as applied to non-analytical processes through the use of Process Behavior Charts. Case studies in the success of their implementation, effective use of organizational quality improvement metrics to monitor continual quality improvement, and an overview of data analytics tools available for use will be discussed.

Intended Audience: This session is intended for laboratory directors, clinical chemists, organizational executives, quality assurance staff members, and trainees.

Learning Objectives: After this session, participants will be able to: 1) Demonstrate a basic understanding of process behavior charts including an understanding of how to establish.
2) Evaluate data analytics tools that allow tidying of various data sources into actionable information.
3) Summarize the benefits of using statistical process control concepts with non-analytical quality improvement efforts.

Expected Outcome: After this session, participants will be able to: 1) Demonstrate a basic understanding of process behavior charts including an understanding of how to establish.
2) Evaluate data analytics tools that allow tidying of various data sources into actionable information.
3) Summarize the benefits of using statistical process control concepts with non-analytical quality improvement efforts.

Speakers:

Mark Graban, MBA, MS, Constancy, Inc.
A Practical Guide to Reacting Less and Improving More

Frederick Strathmann, PhD, MBA, DABCC, NMS Labs
Challenges and Successes in Implementing PBCs with Tips for Using Disconnected Data Sets

Related Topics:

Laboratory Management
Data Analytics