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Nota di contenuto	Healthcare Analytics for Quality and Performance Improvement; Contents; Preface; Acknowledgments; CHAPTER 1 Toward Healthcare Improvement Using Analytics; Healthcare Transformation-Challenges and Opportunities; The Current State of Healthcare Costs and Quality; The Cost of Healthcare; The Analytics Opportunity in Healthcare; Leveraging Information for Healthcare Improvement; Beginning the Analytics Journey in Healthcare; Notes; CHAPTER 2 Fundamentals of Healthcare Analytics; How Analytics Can Improve Decision Making; Analytics, Quality, and Performance; Applications of Healthcare Analytics Components of Healthcare Analytics Notes; CHAPTER 3 Developing an Analytics Strategy to Drive Change; Purpose of an Analytics Strategy; Analytics Strategy Framework, with a Focus on Quality/Performance Improvement; Business and Quality Context; Stakeholders and Users; Processes and Data; Tools and Techniques; Team and Training; Technology and Infrastructure; Developing an Analytics Strategy; Notes; CHAPTER 4 Defining Healthcare Quality and Value; What Is Quality?; Defining Value in Healthcare; Improving a System; Overview of

Healthcare QI; Using Systematic QI Methodologies
How Information Guides Improvement Activities Common QI Frameworks in Healthcare; Plan-Do-Study-Act; Lean; Six Sigma; Working with QI Methodologies; Notes; CHAPTER 5 Data Quality and Governance; The Need for Effective Data Management; Data Quality; Achieving Better Data Quality; Data Governance and Management; Healthcare Organization Data Governance; Data Stewardship; Enterprise-wide Visibility and Opportunity; Notes; CHAPTER 6 Working with Data; Data: The Raw Material of Analytics; Preparing Data for Analytics; Understanding What Data Represents; Aligning Processes with Data; Types of Data
Getting Started with Analyzing Data Summarizing Data Effectively; Central Tendency; The Big Picture; Summary; Notes; CHAPTER 7 Developing and Using Effective Indicators; Measures, Metrics, and Indicators; Developing Effective Key Performance Indicators to Focus Improvement Efforts; Aligning Indicators with Data and Processes; Using Indicators to Guide Healthcare Improvement Activities; Selecting Appropriate Indicators; Notes; CHAPTER 8 Leveraging Analytics in Quality Improvement Activities; Moving from Analytics Insight to Healthcare Improvement; Analytics in the Problem Definition Stage Using Analytics to Identify Improvement Opportunities Analytics in the Project Execution Phase; Using Analytics to Evaluate Outcomes and Maintain Sustainability; Sustaining Changes and Improvements; Note; CHAPTER 9 Basic Statistical Methods and Control Chart Principles; Statistical Methods for Detecting Changes in Quality or Performance; Hypothesis Testing; Comparing Performance between Two Groups; Comparing Performance of More Than Two Groups; Graphical Methods for Detecting Changes in Quality or Performance; Variation in Performance; Statistical Process Control Chart Basics
Data Considerations for Statistical Process Control Charts

Sommario/riassunto

Improve patient outcomes, lower costs, reduce fraud-all with healthcare analytics Healthcare Analytics for Quality and Performance Improvement walks your healthcare organization from relying on generic reports and dashboards to developing powerful analytic applications that drive effective decision-making throughout your organization. Renowned healthcare analytics leader Trevor Strome reveals in this groundbreaking volume the true potential of analytics to harness the vast amounts of data being generated in order to improve the decision-making ability of healthcare managers and
