



Pediatric and Congenital Cardiac Care. Volume 1, Outcomes Analysis

<https://libcat.nshealth.ca/en/permalink/provcat38901>

- Available Online: View e-Book
- Other Authors: Barach, Paul R
Jacobs, Jeffery P
Lipshultz, Steven E
Laussen, Peter C
- Responsibility: Paul R. Barach, Jeffery P. Jacobs, Steven E. Lipshultz, Peter C. Laussen, editors
- Place of Publication: London
- Publisher: Springer
- Date of Publication: c2015
- Physical Description: 1 online resource (xxii, 515 p. : 100 illus., 52 illus. in color)
- ISBN: 9781447165873
9781447165866 (print ed.)
- Subjects (MeSH): Data Collection
Heart Diseases - therapy
Outcome Assessment, Health Care
Quality Improvement
Statistics as Topic
- Abstract: This book is the first in a two-volume set of textbooks and focuses on outcomes analysis in pediatric cardiac care, supporting the coverage of quality improvement and patient safety in its sister title. There has been a huge research effort undertaken in pediatric and congenital cardiac care to understand and measure what is done, to establish collaborative definitions and tools of measurement, and to determine robust benchmarks and methodologies to analyze outcomes. This book concentrates on implementation science in terms of continuous quality improvements and safety science and systems. Pediatric and Congenital Cardiac Care: Volume 1, Outcomes Analysis reveals the remarkable developments that have been seen in the fields of pediatric cardiology and cardiac surgery. This unique collaboration between four Editors from disparate medical disciplines (cardiac surgery, cardiology, anesthesia, and critical care) incorporates an international community of scholarship with articles by luminaries and cutting edge thinkers on the current and future status of pediatric and congenital cardiac care. The goal of this and its companion volume is to understand and advance the profession and its activities, to use common terms, and to improve the management of risk and safety in order to enhance pediatric and congenital cardiac care.

Contents:

Part I Introduction – 1 Introduction – 2 Introduction: The History of Statistics in Medicine and Surgery – 3 Introduction: Using Data to Drive Change and Improvement: The Legacy of Florence Nightingale – 4 Introduction: Quality Improvement and Databases in the Context of Professionalism – Part II Nomenclature and Taxonomies – 5 Nomenclature for Congenital and Pediatric Cardiac Disease: Historical Perspectives and the International Pediatric and Congenital Cardiac – 6 Defining Terms in Lists of Nomenclature – 7 Illustrating Terms in Lists of Nomenclature – Part III Databases 8 Databases for Assessing the Outcomes of the Treatment of Patients with Congenital and Pediatric Cardiac Disease: The Perspective of Cardiac Surgery – 9 Databases for Assessing the Outcomes of the Treatment of Patients with Congenital and Pediatric Cardiac Disease: The Perspective of Cardiology – 10 Databases for Assessing the Outcomes of the Treatment of Patients with Congenital and Pediatric Cardiac Disease: The Perspective of Anesthesia – 11 Databases for Assessing the Outcomes of the Treatment of Patients with Congenital and Pediatric Cardiac Disease: The Perspective of Critical Care – 12 Early Database Initiatives: The Fyler Codes – 13 The Academic Database: Lessons Learned from the Congenital Heart Surgeons' Society Data Center – 14 Clinical Versus Administrative Data – 15 Databases for Pediatric Cardiac Transplantation: The United Network for Organ Sharing/Scientific Registry of Transplant Recipients (UNOS/SRTR) and the Pediatric Heart Transplant Study (PHTS) – 16 Databases for Extracorporeal Membrane Oxygenation and Ventricular Assist Devices – 17 The United Kingdom National Congenital Heart Disease Audit – 18 The Pediatric Cardiac Care Consortium: The End of an Era and Beginning of a New Mission – 19 Pediatric Cardiac Catheterization Databases – 20 Pediatric Electrophysiology Databases – 21 Using Data to Drive Improvement and Build the Science of Nursing – 22 Data Standards of the American College of Cardiology Foundation (ACCF) and the American Heart Association (AHA) and the Universal Pediatric Cardiac Dataset – 23 Ethical Issues Confronting Outcomes Analysis and Quality Assurance – Part IV Stratification of Complexity – 24 Statistical Issues in the Analysis and Interpretation of Outcomes for Congenital Cardiac Surgery – 25 Real Time Monitoring of Risk- Adjusted Surgical Outcomes for Congenital Heart Disease – 26 Risk Adjustment for Congenital Heart Surgery -1 (RACHS-1) for Evaluation of Mortality in Children Undergoing Cardiac Surgery – 27 The Aristotle Complexity Score: A Tool to Evaluate Performance in Congenital Heart Surgery – 28 Empirically Based Tools for Analyzing Mortality and Morbidity Associated with Congenital Heart Surgery – Part V Verification of Data Completeness and Accuracy of Data – 29 Verification of Data Completeness and Accuracy – Part VI Subspecialty Collaboration – 30 Linking Databases – Part VII Longitudinal Follow-Up – 31 Use of National Death Registries to Empower Databases in Reporting Longitudinal Follow-Up – 32 Quality of Life: The Need for a National Database – 33 Longitudinal Follow-Up Studies in the Pediatric Heart Network – 34 The Value of National Institutes of Health (NIH) Registry-Based Research in Identifying Childhood Cardiac Disease Outcomes: The Pediatric Cardiomyopathy Registry Experience – Part VIII Public Reporting of Data – 35 Public Reporting of Cardiac Data: Pros, Cons, and Lessons for the Future – 36 Public Reporting of Pediatric Cardiac Data – 37 Communication Chaos: How Incomplete and Conflicting Information Prevents Improved Outcomes for Patients with Pediatric and Congenital Cardiac Disease (and What We Can Do About It) – Index.

Format: e-Book
Location: Online



Pediatric and Congenital Cardiac Care. Volume 2, Quality Improvement and Patient Safety

<https://libcat.nshealth.ca/en/permalink/provcat38899>

Available Online: View e-Book

Other Authors: Barach, Paul R
Jacobs, Jeffery P
Lipshultz, Steven E
Laussen, Peter C

Responsibility: Paul R. Barach, Jeffery P. Jacobs, Steven E. Lipshultz, Peter C. Laussen

Place of Publication: London

Publisher: Springer

Date of Publication: c2015

Physical Description: 1 online resource (xxii, 456 p. : 99 illus., 45 illus. in color)

ISBN: 9781447165668
9781447165651 (print ed.)

Subjects (MeSH): Data Collection
Heart Diseases - therapy
Outcome Assessment, Health Care
Quality Improvement
Statistics as Topic

Abstract: This book is the second in a two-volume set of textbooks and focuses on quality improvement and patient safety, supporting the coverage of outcomes analysis in its sister title. There has been a huge research effort undertaken in pediatric cardiac care to understand and measure what is done, to establish collaborative definitions and tools of measurement, and to determine robust benchmarks and methodologies to analyze outcomes. This book concentrates on implementation science in terms of continuous quality improvements and safety science and systems. Pediatric and Congenital Cardiac Care: Volume 2 - Quality Improvement and Patient Safety reveals the remarkable developments that have been seen in the fields of pediatric cardiology and cardiac surgery. This unique collaboration between four Editors from disparate medical disciplines (cardiac surgery, cardiology, anesthesia, and critical care) incorporates an international community of scholarship with articles by luminaries and cutting edge thinkers on the current and future status of pediatric and congenital cardiac care. The goal of this and its companion volume is to understand and advance the profession and its activities, to use common terms, and to improve the management of risk and safety in order to enhance pediatric and congenital cardiac care.

Contents: Introduction – Selection, Training and Mentoring of Cardiac Surgeons – Improving Pediatric Cardiac Care with Continuous Quality Improvement Methods and Tools – Quality Improvement in Pediatric Cardiology: The National Pediatric Cardiology Quality Improvement Collaborative – Teams, Team Training, and the Role of Simulation – The Cardiac Intensive Care Unit and Operating Room Continuum: Quality and Safety in the Cardiac Intensive Care Unit – Professional Formation of Physicians Focused on Improving Care – Surgical Volume and Outcome Relationship in Pediatric Cardiac Surgery – The Pediatric Perioperative Cardiac Arrest (POCA) Registry – Reporting in Pediatric Resuscitation: Get With the Guidelines-Resuscitation Registry – Addressing Nutrition and Growth in Children with Congenital Heart Disease – Patients as Observers and Reporters in Support of Systems and Patient Safety – Failure to Rescue and Failure to Perceive in Pediatric Cardiac Surgery: Lessons Learned from Aviation – Quality Improvement in Noninvasive Imaging: Present and Future Initiatives – Improving Clinical Outcomes in Pediatric Cardiology – The Impact of Continuous Quality Improvement on Pediatric Cardiac Surgery – Leadership and Quality Improvement – A Brief Description of the Role of the Federal Government in the Improvement of Healthcare Costs and Quality in the United States – Lessons Learned from the Public – Inquiry into Children's Heart Surgery at the Bristol Royal Infirmary and the English Safe and Sustainable Cardiac Review – Lean in the Cardiac Intensive Care Unit – Local Improvement Teams – Implementation Science: The Next Frontier – Leadership, Surgeon Well-Being and Other Non-Technical Aspects of Pediatric Cardiac Surgery – Quality and Safety in a Children's Hospital – The Children's Hospital of Michigan Quality and Safety Journey: Making Safety First and Making It Last – Resilience and Systems Engineering – Measuring and Assessing Adverse Medical Events – The Role of Communication and Patient Handovers in Pediatric Cardiac Care Centers – The Role of Technology and Medical Devices in Enhancing Pediatric Cardiac Critical Care Outcomes – Human Factors and Outcomes in Pediatric Cardiac Surgery – Information Management and Hospital Enterprise Information Systems – Towards Effective Data Utilization in Congenital Cardiac Critical Care – Clinical Decision Making – Design of Cardiac Surgery Operating Rooms and the Impact of the Built Environment – Simulation-Based Training to Enhance Patient Safety in Pediatric Cardiovascular Care – Epilogue: A Vision for the Future.

Format: e-Book

Location: Online