

Mapping Clinical Value Streams Lean Tools For Hea

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A Guide to Lean Healthcare Workflows CRC Press

The book shows readers exactly how to use Lean tools to design healthcare work that is smooth, efficient, error free and focused on patients and patient outcomes. It includes in-depth discussions of every important Lean tool, including value stream maps, takt time, spaghetti diagrams, workcell design, 5S, SMED, A3, Kanban, Kaizen and many more, all presented in the context of healthcare. For example, the book explains the importance of quick operating room or exam room changeovers and shows the reader specific methods for drastically reducing changeover time. Readers will learn to create healthcare value streams where workflows are based on the pull of customer/patient demand. The book also presents a variety of ways to continue improving after initial Lean successes. Methods for finding the root causes of problems and implementing effective solutions are described and demonstrated. The approach taught here is based on the Toyota Production System, which has been adopted worldwide by healthcare organizations for use in clinical, non-clinical and administrative areas.

Mapping Clinical Value Streams Createspace Independent Publishing Platform

"Perfecting Patient Journeys is a guide for leaders of healthcare organizations who want to implement lean thinking. Readers will learn how to identify and select a problem, define a project scope, and create a shared understanding of what's occurring in the value stream. Readers will also learn to develop a shared vision of an improved future, and how to work together to make that vision a reality"--Provided by publisher.

Value Stream Mapping in the OR CRC Press

Move beyond Value Stream Mapping and Create Your Lean Future In Creating Your Lean Future State: How to Move from Seeing to Doing, Tom Luyster, with Don Tapping, details the implementation of lean after the creation of current and future state maps. This book is a follow-up to the successful Value Stream Management: Eight Steps to Planning, Mapping

Perfecting Patient Journeys Quality Press

The Complete Lean Enterprise: Value Stream Mapping for Office and Services By Beau Keyte

Value Stream Management for Lean Healthcare CRC Press

Part of the Lean Tools for Healthcare series, this user-friendly book will help to improve your understanding of kaizen. It describes exactly what a kaizen event is and details all the phases necessary for implementing continuous improvement practices in your healthcare organization. Kaizen Workshops for Lean Healthcare walks you through the steps o

Value Stream Mapping for Healthcare Made Easy CRC Press

While there are a growing number of books based on the Toyota Production System, or lean, focused on healthcare, there are very few that detail the tools that make lean more than just a way of thinking and put the methodology into practice. Based on Hiroyuki Hirano's classic 5 Pillars of the Visual Workplace and modeled after the Shingo Prize-winning Shopfloor Series for Lean Manufacturers, 5S for Healthcare adopts a proven reader-friendly format to impart all the information needed to understand and implement this essential lean methodology. It provides examples and cased studies based on the experiences of the principals involved with the Rona Consulting Group, who were responsible for the groundbreaking implementation of the Toyota Production System at the Virginia Mason Medical Center. Written to readily assist with hands-on implementation efforts, this volume offers

innovative features designed to improve understanding and support application. This includes helpful how-to-steps and practical examples taken directly from the healthcare industry. *Learning to See* CRC Press

Lean production is the gold standard in production systems, but has proven famously difficult to implement in North America. Mass production relies on large inventories, uses "push" processes and struggles with long lead times. Moving towards a system that eliminates muda ("waste") caused by overproduction, while challenging, proves necessary for improved efficiency. Often overlooked, value stream mapping is the essential planning stage for any Lean transformation. In Mike Rother and John Shook's essential guide, you follow the value stream mapping undertaken for Acme Stamping, for its current and future state. Fully illustrated and well-organized, Learning to See is a must-see for the value stream manager.

Lean Leadership for Healthcare Lean Enterprise Institute Process Redesign for Health Care Using Lean Thinking is a response to a simple, but hard to answer, question and is the result of the experiences of a working doctor who was also the chief safety and quality officer of an Australian teaching hospital. At this hospital, he observed that the Emergency Department was staff by talented, well-trained, and respected doctors and nurses. The facilities were modern, and the work load unexceptional, but the department was close to melt down. Bad things were happening to patients, everyone was blaming each other, lots of things had been tried but nothing was getting better and no one could explain why. The problem was not a lack of technical knowledge or expertise, the problem was that no one stood back and said, "what's the best way to move 200 or 300 patients a day through the complicated and varying, sequence of steps needed to sort out the many different problems that bring patients to our

department?" These challenges are faced by hospitals and health services all over the world. There are difficulties with patient flow, congestion, queues, inefficient utilization of resources, problems engaging clinical staff in improvement programs, adverse incidents, and budget constraints. Lean thinking and value stream analysis gives hospitals and health services struggling with these issues the insights they need to help themselves. This book provides a method that systematically turns those insights into working programs of service and system redesign. The book is divided into two sections. The first section gives the background to the approach, and systematically works through the Process Redesign methodology, step-by-step. The second section is a series of case studies that show the methodology in action, what worked and what didn't work. The goal of any process redesign is simple: the right care, for the right person, at the right time, in the right place, and right the first time. This book helps the people who work in hospitals and health services realize these goals by working together.

Lean Thinking for Healthcare CRC Press

"Winner of the 2005 Shingo Prize for Excellence in Manufacturing Research" Most lean initiatives conducted by manufacturers are focused mostly on shop-floor activities — mapping the value stream of raw material to the shop-floor customer. Much of the untapped potential for productivity improvements lies, however, in non-production areas — where the value stream is administrative (i.e., "order to cash"). These "office" value streams directly support the daily production needs of an enterprise. Beau Keyte and Drew Locher's new book, *The Complete Lean Enterprise: Value Stream Mapping for Administrative and Office Processes*, offers a step-by-step approach to applying lean initiatives to the administrative and office environment. It's a must read for leaders looking to improve their production support activities within their order-to-cash value stream. *The Complete Lean Enterprise* is a valuable tool in applying value stream mapping (VSM) to non-production areas, identifying office wastes, establishing performance metrics, speeding up administrative workflow, and improving office efficiency.

Creating Your Lean Future State Springer Nature

The Go-To Resource for Large-Scale Organizations to Be Agile Rather than asking, "How can we do agile at scale in our big complex organization?" a different and deeper question is, "How

can we have the same simple structure that Scrum offers for the organization, and be agile at scale rather than do agile?" This profound insight is at the heart of LeSS (Large-Scale Scrum). In *Large-Scale Scrum: More with LeSS*, Craig Larman and Bas Vodde have distilled over a decade of experience in large-scale LeSS adoptions towards a simpler organization that delivers more flexibility with less complexity, more value with less waste, and more purpose with less prescription. Targeted to anyone involved in large-scale development, *Large-Scale Scrum: More with LeSS*, offers straight-to-the-point guides for how to be agile at scale, with LeSS. It will clearly guide you to Adopt LeSS Structure a large development organization for customer value Clarify the role of management and Scrum Master Define what your product is, and why Be a great Product Owner Work with multiple whole-product focused feature teams in one Sprint that produces a shippable product Coordinate and integrate between teams Work with multi-site teams

Kaizen Workshops for Lean Healthcare CRC Press

Tens of thousands of patients die unnecessarily every year as a result of errors and defects in our healthcare processes. Those that survive often pay too much for the privilege. The value stream mapping methods described in *Mapping Clinical Value Streams* will help you achieve more efficient health care processes and will pave the way to an improve

Large-Scale Scrum CRC Press

With the growing business industry there is a large demand for greater speed and quality, for projects of all natures in both small and large businesses. Lean Six Sigma is the result of the combination of the two best-known improvement methods: Six Sigma (making work better, of higher quality) and Lean (making work faster, more efficient). *Lean Six Sigma For Dummies* outlines the key concepts in plain English, and shows you how to use the right tools, in the right place, and in the right way, not just in improvement and design projects, but also in your day-to-day activities. It shows you how to ensure the key principles and concepts of Lean Six Sigma become a natural part of how you do things so you can get the best out of your business and accomplish your goals better, faster and cheaper. About the author John Morgan has been a Director of Catalyst Consulting, Europe's leading provider of lean Six Sigma solutions for 10 years. Martin Brenig-Jones is also a Director at Catalyst Consulting. He is

an expert in Quality and Change Management and has worked in the field for 16 years.

The Complete Lean Enterprise CRC Press

Tens of thousands of patients die unnecessarily every year as a result of errors and defects in our healthcare processes. Those that survive often pay too much for the privilege. The value stream mapping methods described in *Mapping Clinical Value Streams* will help you achieve more efficient health care processes and will pave the way to an improved medical system with significantly reduced medical errors and other costly waste. Part of the Lean Tools in Healthcare series, this user-friendly book will help you understand how to use value stream mapping to provide quality, patient-centered care. Value stream mapping is a powerful tool for observing and depicting processes as they truly are—and for envisioning and reconfiguring the same processes to eliminate errors and other waste. With this book, you'll learn how to: Map current-state processes Create a future-state map with processes streamlined through "flow" and "pull" Manage the rollout of your future state with "A3" project plans Presented in a highly organized and easy-to-assimilate format, the book includes examples from actual healthcare processes, plus numerous illustrations and margin assists that call your attention to key points. Value stream mapping icons make it easy to see and understand the ebb and flow of healthcare processes. Each chapter also includes a summary for quick review. Throughout the book you will be asked to reflect on questions that will help you apply these concepts and techniques to your own workplace. To be competitive in today's marketplace, you cannot afford to leave processes unexamined, or let them become haphazard. You must apply conscious, quality attention to continuously see and fix your healthcare processes. In *Mapping Clinical Value Streams*, Shingo Prize-winning author Thomas L. Jackson shows you how.

Project to Product Addison-Wesley Professional

Written by one of the world's most respected consultants on Lean, this work presents a methodology for value stream mapping that is appropriate for any organization, whether it be service or product oriented. Over the past 25 years, Locher has proven just how powerful this process is, having employed it in healthcare, transportation, distribution, education, financial services, and manufacturing environments. Illustrating his methodology through the example of the imaginary DevelopTek

company, he explains how to: Identify development waste Assess an organization's current state and develop a Current State Map Apply Lean principles to create a Future State Map

Six: The Musical - Vocal Selections IT Revolution

Organizations around the world are using Lean to redesign care and improve processes in a way that achieves and sustains meaningful results for patients, staff, physicians, and health systems. Lean Hospitals, Third Edition explains how to use the Lean methodology and mindsets to improve safety, quality, access, and morale while reducing costs, increasing capacity, and strengthening the long-term bottom line. This updated edition of a Shingo Research Award recipient begins with an overview of Lean methods. It explains how Lean practices can help reduce various frustrations for caregivers, prevent delays and harm for patients, and improve the long-term health of your organization. The second edition of this book presented new material on identifying waste, A3 problem solving, engaging employees in continuous improvement, and strategy deployment. This third edition adds new sections on structured Lean problem solving methods (including Toyota Kata), Lean Design, and other topics. Additional examples, case studies, and explanations are also included throughout the book. Mark Graban is also the co-author, with Joe Swartz, of the book Healthcare Kaizen: Engaging Frontline Staff in Sustainable Continuous Improvements, which is also a Shingo Research Award recipient. Mark and Joe also wrote The Executive's Guide to Healthcare Kaizen.

Welcome Problems, Find Success Springer Nature

To compete successfully in today's economy, organizations need to be as good as or better than their global competitors. This goes not only for quality, but also for costs and cycle times (lead time, processing time, delivery time, set-up time, response time, etc.). Lean addresses these needs in its emphasis on teamwork, continuous training and learning, produce to demand ("pull"), mass customization and batch size reduction, cellular flow, quick changeover, and total productive maintenance. Originally applied in manufacturing settings, lean has now migrated to non-shop floor activities: in business support functions, such as sales, customer service, accounting, human resources, engineering, purchasing; within manufacturing firms; and also in purely service areas like finance, government, and healthcare. The intended audience for this book is any quality or operational professional

who wants to start their lean journey or enhance their career opportunities. After introducing the concepts of lean and kaizen, various building blocks of a lean enterprise are described. After reading this book, any reader will have a foundation of what is understood today as "lean." All the examples of kaizens presented in the book are from the authors' experience associated with real lean transformations. In addition, the forms, figures, and checklists included as part of this book and also on the accompanying CD-ROM can be customized and used in the readers' own lean journey when they perform kaizens.

COMMENTS FROM OTHER CUSTOMERS Average Customer Rating: (4 of 5 based on 1 review) "This book gives a great introduction to kaizen, along with a sensible "how to" and several case studies across various industries, including for non-manufacturing applications. It also gives a good introduction to Lean in general, and it places enough emphasis on the "human side" of implementing Lean so that the reader walks away with an understanding that the Lean tools may be fairly simple but the implementation of them requires special attention to human nature and the associated challenges. It is easy to read and comprehend. Plenty of pictures and samples are provided. This could easily be used as a training tool for employees who will be serving on kaizen teams." A reader in Bradenton, Florida
[5S for Healthcare](#) CRC Press

Bring Lean Improvements to the Administrative Areas of Your Organization! Extending their eight-step process to the realization of a lean office, Tapping and Shuker use a customer service case study to illustrate the effectiveness of the value stream storyboard. This popular volume provides organizations with a proven system for implementing lean principles in the office. In addition to providing a thorough overview of basic lean concepts, this book details methods for identifying the administrative activities in need of attention. To address these, it applies the eight-step process for removing waste and reorganizing workflow. Accompanying the book is a CD containing a lean assessment tool, a storyboard template, charts, a team charter, and worksheets. **BONUS CD!** Along with this book you receive a CD containing a lean assessment tool, a storyboard template, useful charts, a team charter, forms, reports, and worksheets!

Lean Kaizen Flow Publishing

Healthcare leaders around the world are facing tough challenges,

including the need to deliver better value for patients and payers, which means improving quality while reducing cost. It might seem impossible to do both, but organizations around the world are proving it's possible, through Lean. Health systems are able to enhance all dimensions of patient care, including both safety and service, while creating more engaging and less frustrating workplaces for healthcare professionals and staff... all leading to improved long-term financial performance. Building on the success of the first two editions of this Shingo Prize-Winning book, Lean Hospitals: Improving Quality, Patient Safety, and Employee Engagement, Third Edition explains how to use the Lean philosophy and management system to improve safety, quality, access, and morale while reducing costs. Lean healthcare expert Mark Graban examines the challenges facing today's health systems, including rising costs, falling reimbursement rates or budget constraints, employee retention, and harm to patients. The new edition of this international bestseller (translated into eight languages) begins with an overview of Lean methods and mindsets. It explains how engaging staff and leaders in Lean practices such as value stream mapping and process observation can help reduce wasted motion for caregivers, prevent delays for patients, and improve the long-term health of your organization. In addition to a new introduction from John Toussaint, this updated edition includes: New and updated material on identifying waste, A3 problem solving, employee idea management, kanban for materials management, and strategy deployment New case studies and examples—including a new 5S case study (Franciscan St. Francis Health) and other case examples highlighting the challenges and successes of an academic medical center and a small urgent access hospital, featuring quotes and stories from executives New examples and updated data throughout, including revised chapters on patient safety and patient flow challenges and the improvements driven by Lean Detailing the mindsets and methods needed for a successful transition to a Lean culture, the book provides the understanding of Lean practices—including value stream mapping, standardized work, error proofing, root cause problem solving, and daily improvement processes—needed to reduce common hospital errors and improve performance in other dimensions. The balanced approach outlined in this book will guide you through the process of improving the quality of care

and service while reducing costs in your hospital. *The Lean Certification and Oversight Appeals committee has approved Lean Hospitals as recommended reading for those in pursuit of Lean Bronze Certification from SME, AME, Shingo Prize, and ASQ
Lean Hospitals Springer Nature

Based on recent research, this book discusses how to improve quality, safety, efficiency, and effectiveness in patient care through the application of human factors and ergonomics principles. It provides guidance for those involved with the design and application of systems and devices for effective and safe healthcare delivery from both a patient and staff perspective. Its huge range of chapters covers everything from the proper design of bed rails to the most efficient design of operating rooms, from the development of quality products to the rating of staff patient interaction. It considers ways to prevent elderly patient falls and ways to make best use of electronic health records. It covers staff interactions with patients as well as staff interaction with computers and medical devices. It also provides way to improve organizational aspects in a healthcare setting, and approaches to modeling and analysis specifically targeting those work aspects unique to healthcare. Explicitly, the book contains the following subject areas: I. Healthcare and Service Delivery II. Patient Safety III. Modeling and Analytical Approaches IV. Human-System Interface: Computers & Medical Devices V. Organizational Aspects
 This book would be of special value internationally to those researchers and practitioners involved in various aspects of healthcare delivery. Seven other titles in the Advances in Human Factors and Ergonomics Series are: Advances in Applied Digital Human Modeling Advances in Cross-Cultural Decision Making Advances in Cognitive Ergonomics Advances in Occupational, Social and Organizational Ergonomics Advances in Human Factors, Ergonomics and Safety in Manufacturing and Service Industries Advances in Ergonomics Modeling & Usability Evaluation Advances in Neuroergonomics and Human Factors of Special Populations

Advances in Production Management Systems. Artificial Intelligence for Sustainable and Resilient Production Systems

McGraw Hill Professional

The five-volume set IFIP AICT 630, 631, 632, 633, and 634 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2021, held in Nantes, France, in September 2021.* The 378 papers presented were carefully reviewed and selected from 529 submissions. They discuss artificial intelligence techniques, decision aid and new and renewed paradigms for sustainable and resilient production systems at four-wall factory and value chain levels. The papers are organized in the following topical sections: Part I: artificial intelligence based optimization techniques for demand-driven manufacturing; hybrid approaches for production planning and scheduling; intelligent systems for manufacturing planning and control in the industry 4.0; learning and robust decision support systems for agile manufacturing environments; low-code and model-driven engineering for production system; meta-heuristics and optimization techniques for energy-oriented manufacturing systems; metaheuristics for production systems; modern analytics and new AI-based smart techniques for replenishment and production planning under uncertainty; system identification for manufacturing control applications; and the future of lean thinking and practice Part II: digital transformation of SME manufacturers: the crucial role of standard; digital transformations towards supply chain resiliency; engineering of smart-product-service-systems of the future; lean and Six Sigma in services healthcare; new trends and challenges in reconfigurable, flexible or agile production system; production management in food supply chains; and sustainability in production planning and lot-sizing Part III: autonomous robots in delivery logistics; digital transformation approaches in production management; finance-driven supply chain; gastronomic service system design; modern scheduling and applications in industry 4.0; recent advances in sustainable manufacturing; regular session: green production and circularity concepts; regular session: improvement models and methods for green and innovative systems; regular session: supply chain and routing management; regular session: robotics and human aspects;

regular session: classification and data management methods; smart supply chain and production in society 5.0 era; and supply chain risk management under coronavirus Part IV: AI for resilience in global supply chain networks in the context of pandemic disruptions; blockchain in the operations and supply chain management; data-based services as key enablers for smart products, manufacturing and assembly; data-driven methods for supply chain optimization; digital twins based on systems engineering and semantic modeling; digital twins in companies first developments and future challenges; human-centered artificial intelligence in smart manufacturing for the operator 4.0; operations management in engineer-to-order manufacturing; product and asset life cycle management for smart and sustainable manufacturing systems; robotics technologies for control, smart manufacturing and logistics; serious games analytics: improving games and learning support; smart and sustainable production and supply chains; smart methods and techniques for sustainable supply chain management; the new digital lean manufacturing paradigm; and the role of emerging technologies in disaster relief operations: lessons from COVID-19 Part V: data-driven platforms and applications in production and logistics: digital twins and AI for sustainability; regular session: new approaches for routing problem solving; regular session: improvement of design and operation of manufacturing systems; regular session: crossdock and transportation issues; regular session: maintenance improvement and lifecycle management; regular session: additive manufacturing and mass customization; regular session: frameworks and conceptual modelling for systems and services efficiency; regular session: optimization of production and transportation systems; regular session: optimization of supply chain agility and reconfigurability; regular session: advanced modelling approaches; regular session: simulation and optimization of systems performances; regular session: AI-based approaches for quality and performance improvement of production systems; and regular session: risk and performance management of supply chains *The conference was held online.