Gain a deeper understanding of Lean Six Sigma concepts, tools and statistical methods with this advanced course for Lean practitioners. Presented by HASC in collaboration with the Institute for Performance Excellence, Advanced Lean Six Sigma Concepts builds competencies across the advanced tools of DMAIC with a special focus on data analysis using Minitab statistical software.

Go beyond the data with this intensive course designed to develop and enhance the leadership capabilities of Lean practitioners in the health care sector. Learn to manage organizational-wide Lean Six Sigma projects, advise management on how to plan and execute a Lean Six Sigma strategy, and mentor Lean Six Sigma practitioners—all from certified Lean experts.

**Course Objectives**
- Use advanced tools to develop a VOC strategy, develop listening posts and interpret VOC data.
- Be able to educate lean practitioners and team members on all the tools in the Lean Six Sigma toolkit.
- Analyze data hypothesis testing, regression and segmentation techniques.
- Carry out a detailed risk analysis and develop a mitigation strategy.
- Apply Lean management tools and develop and execute sustainable control plans.

**Prerequisite**
- HASC’s Lean Practitioners course or equivalent
- HASC’s Intermediate Data Management course, or a university-level or other formal statistical course(s), or previous Black Belt Six Sigma education (to be verified)
- Proficiency with Minitab and Excel and a working copy of Minitab to be installed on student’s computer.

**Who Should Attend?**
All health care professionals interested in delivering greater value to the organization including nursing, allied health, business office, support services, service line, admissions, planning, development, ambulatory care, emergency room, laboratory, pharmacy, safety, and quality professionals.

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**When:**
Five, eight-hour courses
8 am - 5 pm

*Summer: June 4 - 8*
*Fall: September 17 - 21*

**Where:**
*Summer*
Keck Hospital of USC

*Fall*
Methodist Hospital of Southern California

**Contact:**
Jamila Mayers, (213) 538-0700
jmayers@hasc.org

**Cost:**
$1,500 HASC Member
$1,750 HASC Non-Member

**Sponsored by:**
Hospital Association of Southern California and
Institute for Performance Excellence

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**HOSPITAL ASSOCIATION OF SOUTHERN CALIFORNIA®**

Education Program
Faculty

Jennifer Wortham, Dr.PH, currently serves as the president of the Institute for Performance Excellence, which is dedicated to developing and teaching the tools and techniques designed to enable health care organizations to achieve world-class performance. She is a Certified Lean Six Sigma Master Black Belt and consultant with over 20 years of experience in leading performance improvement initiatives for health plans and health care delivery systems. Career highlights include serving as an executive in Kaiser Permanente’s Northern California Region; Vice President - Centers of Excellence, Hoag Health System; Administrative Director, Cedars Sinai; and Director of Business Development Scripps Health System, Ambulatory Care Services. Dr. Wortham holds both an MPH and a Dr.PH in Health Services from UCLA. She serves on the faculty of UCLA, School of Public Health, and the University of Redlands, College of Continuing Studies, and teaches Lean Six Sigma courses at Portland State University Professional Development Center, UCLA and UCSD Extension and through a variety of professional and trade associations.

Steven Bradt, MBB/Lean Expert, currently serves as the Director Training and Development for the Institute for Performance Excellence. He has over 15 years’ experience working with continuous improvement efforts (Lean, Six Sigma, TWI, Leadership, Change, TQM). He received his Lean education from Johnson Controls (JCI) Toyota Business Unit (TBU) and Toyota US, UK and Australia and his Six Sigma education from the Six Sigma Academy (Mikel Harry). Steven has supported and worked internationally for fortune 100 companies, three governments and health care organizations in developing sustainable CPI strategy. Steven is an active researcher currently doing post graduate work on "Perceptions" Lean's application in health care. He is an Honorary Fellow at Manchester Business School, a regular speaker at various international MBA programs, and is currently a special consultant to USAF Smart Operations in Washington, D.C. providing strategic guidance for the next generation of CPI activities.
Agenda

Session I: Define
- Charter Evaluation (Report Outs)
- Manage Teams P A C E R Change Methods (K otter)
- Vetting selection, Prioritization and Gate Reviews
- Mentoring Team Members
- Kano Analysis (Functional)
- Complexity and Theory of Constraints

Session II: Measure / Analysis
- Intro to Normality
- P-Value, Risk, Hypothesis (Theory)
- Capability (CpK, Sigma Quality Level)
- Sample Size (Sufficient, Context, Representative, Risk)
- Data Collection Plan and Execution
- Gauge R & R (Continuous/Discrete)
- Inference

Session III: Advanced Lean Principles (Improve / Control)
- Solution Selection (B & E Multi Voting)
- Pilot and Implementation Planning
- 5S, Error Proofing, Kanban (Calculations)
- Preventative Maintenance
- Standard Work
- Kaizen (Planning and Execution)
- Lean Daily Management

Session IV: Statistical Hypothesis Testing (Analysis / Control)
- T-tests, ANOVA, Chi-Squared
- Non-parametric
- Correlation Linear Regression
- Statistical vs Practical (Hard Choices)
- Case Study Prep for Data Class Webinar

Session V: Control
- FMEA
- Control Charts (SPC)
- Documentation (Process Management Plan)
- Governance (Visual management, meeting and communications)
- Close Out
Advanced Lean Six Sigma Concepts

Five, eight-hour sessions, 8 a.m. - 5 p.m.

Registration fees include continental breakfast, lunch, course materials and certificate of completion. Click here to register for this course or visit http://events.signup4.com/AdvancedLeanConcepts.

☐ $1,500 HASC Members
☐ $1,750 HASC Non Members

Please select your preferred session.

☐ Summer: June 4 - 8; Keck Hospital of USC, 1500 San Pablo St., Los Angeles, CA 90033 or
☐ Fall: September 17 - 21; Methodist Hospital of Southern California, 300 West Huntington Drive, Arcadia, CA 91007

First Name: ___________________ Last Name: ___________________ Preferred Name: ___________________

Title: _______________________________________________________________________________________

Organization: ________________________________________________________________________________

Address: ___________________________________________ City: ___________________ State: ____ Zip: _______

Phone: (____) _______________ Email (required): ___________________________________________________

ACHE Category, Type II Credit (40 hours)
BRN Credit: RN Lic. No. ______________ (Provider approved by the California Board of Registered Nursing. CEP #970 for 40 contact hours.)
BBS Credit: MFCCs and/or LCSW Lic. No. ________________ Course meets the qualifications for 40 hours of continuing education credit for MFCCs and/or LCSWs as required by the California Board of Behavioral Sciences. (PCE #4280)

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IMPORTANT REMINDERS

- Registration deadline: 5 business days prior to start date.
- Valid payment information must be received with your registration.
- Mail and make check payable to: HASC, Attn: Jamila Mayers, 515 South Figueroa St., Ste. 1300, Los Angeles, CA 90071. Please note program ID #2175-157 on check.
- Fax registration form to (213) 629-4272.

SPECIAL NEEDS or QUESTIONS
For ADA assistance or general registration questions, contact Jamila Mayers at (213) 538-0700 or jmayers@hasc.org.

CANCELLATION

- All cancellations must be requested in writing and confirmed by HASC no later than 5 business days prior to course. A $50 processing fee will apply.
- Cancellations after 5 business days prior to course, and non-attending registrants will be invoiced for the entire registration fee.

Substitutions are accepted at any time for this program but will not be processed until full payment has been received. Fees are non-transferrable for other HASC seminars.