

2014 Annual Quality Congress

Convening the Worldwide
Community of Practice

Reducing Major Morbidities
in the NICU

October 31, 2014
Preconference and
NICQ Symposium

November 1–2, 2014
Vermont Oxford Network
Annual Quality Congress

Chicago, IL • Sheraton Chicago Hotel and Towers



Preconference Events

FRIDAY, OCTOBER 31

Saving Lives With Teamwork: Guidance From Team Science

The science of team training in health care has progressed exponentially. However, many health care systems continue to operate outside of this evolving evidence, relying on hierarchical models that are not just ineffective but may contribute to harm. To achieve high-reliability results, organizations must invest in and develop highly functional teams.

Join two engaging faculty members, **Eduardo Salas PhD** and neonatologist **Sheri Carroll MD**, in a half-day interactive workshop to explore practical strategies for creating highly productive and functional care and quality teams.



One of the world's leading experts on teams and teamwork, Dr. Salas has published over 350 journal articles and co-edited 25 books on the subject. The Director for Human Systems Integration Research at UCF, he has worked with teams from all industries, including the current NASA Mars Mission, and is immersed in improving the function of health care teams.

Dr. Sheri Carroll directs the clinical and quality work at New Hanover Regional Medical Center's Betty H. Cameron Hospital, featured in the recent VON Virtual Video Visit. Dr. Carroll has led her team's journey to build the capacity for quality, resulting in 956 consecutive infection-free days and to increased human milk consumption in their NICU. She will provide relevant, real-world context to help you and your team synergize your work.



Whether you are an individual team member, a center striving to expand your QI capacity, or a leader launching a new team, this workshop will jump-start your important work.

Space is limited. Preregistration is required.

NICQ Symposium: NICQ Next and iNICQ Intensive Teams Collaborative Event

Teams that are actively engaged in the VON NICQ Next Collaborative, "Innovations in Newborn Care," and the intensive track for iNICQ 2014, "Structuring Success in the Care of Substance-Exposed Infants and Families," will come together to learn, share, and improve in a special NICQ Symposium.

The NICQ Symposium will include discussion with Eduardo Salas PhD on quality improvement team building, improvement stories and methodologies from NICQ and iNICQ homerooms, NAS improvement models, and strategies to promote senior leader and staff engagement to ensure team success in your quality improvement work.

The day-long learning session is reserved for teams already registered and engaged in Vermont Oxford Network collaborative work. To learn about opportunities for your team to participate in 2015, contact our Quality Improvement Coordinator, Michael Frace, at MFrace@vtxford.org.



PRE- AND POST-CONFERENCE HOSPITAL VISITS

Onsite Visits to Innovative Chicago NICUs

We are delighted to offer the VON community of practice a special invitation to visit NICUs in Chicago. Learn firsthand how your colleagues provide care and organize their work. Local neonatologists will provide guided tours of their NICUs, sharing information about their programs, practices, and QI and research projects. Whether you are building a new NICU or in a cycle of continuous improvement, this is a valuable opportunity to learn how it's done in Chicago!

Two- to three-hour visits: Thursday, October 30; Friday, October 31; and Monday, November 3. See www.vtxford.org/2014OnsiteVisits for details. Preregistration required; travel is via public transportation.

Facilities and Faculty:

- **Evanston Hospital**
Hosted by William MacKendrick MD
- **Renée Schine Crown NICU at Rush University Medical Center**
Hosted by Aloka L. Patel MD
- **University of Chicago Comer Children's Hospital**
Hosted by William Meadow MD, PhD
- **Ann and Robert H. Lurie Children's Hospital of Chicago and Northwestern Memorial's Prentice Women's Hospital**
Hosted by Aaron Hamvas MD and Yasmin Khan MD

2014 Annual Quality Congress Day 1

SATURDAY, NOVEMBER 1

6:30 AM **Run for Fun—Day 1: Get Up and Go!**
Beth Anderson, Howard Cohen

7:00 – 7:45 **Optional Sunrise Breakfast Sessions**

- A. Using Nightingale to Identify Improvement Opportunities for Reducing BPD *Erika M. Edwards*
- B. The Big Three Medication Safety Challenges: Physician Order Entry, Smart Pumps, and Bar-Coded Medication Administration *Kelly J. Burch*
- C. New COFN Guidelines: Consensus From Controversy *Kristi L. Watterberg*
- D. Calling All Fellows!: Forging a Career in Quality *William H. Edwards*

25 Years of VON Data and Collaboration— The Challenge of BPD

8:00 **A Call to Action** *Jeffrey D. Horbar*

8:25 **Discussion**

8:30 **The Clinician's Perspective on BPD** *Roger F. Soll*

8:45 **Living Through BPD—A Father's Perspective**

8:55 **Discussion**

9:10 **The Case for the New COFN Respiratory Management Guidelines** *Kristi L. Watterberg*

9:28 **Evidence-Based Prevention of BPD**
Kathleen A. Kennedy

9:40 **Discussion**

10:00 **Break**

10:30 **Improvement Brief** *Select Abstract Presenter*

10:40 **Can Quality Improvement Decrease Your Rate of BPD?**
Michele C. Walsh

11:00 **Panel / Discussion**
Roger F. Soll / Kristi L. Watterberg / Kathleen A. Kennedy / Michele C. Walsh

11:20 **The Ethical Imperative for Improvement**
John Lantos

11:50 **Discussion**

12:00 **Lunch on Your Own or
Optional Networking Lunch Option***

- Neonatologists
- International Neonatology
- Fellows
- NNPs / NNP Program Directors
- Respiratory Therapists
- Clinical Nurses
- Pharmacists
- VON Data Collectors / Data Contacts
- Unit Medical / Nursing Directors / Quality and Safety Officers
- Parents / Family Support / Social Workers
- ELBW Infant Follow-up
- State, Regional, and International Collaboratives
- Nutrition and Breastfeeding Support
- Do You Speak CEO? Tips from the Corner Office
- Structuring Quality Work: Tips and Tools from QI Facilitators

* Preregistration required

2:00 **Breakout Session 1**

3:15 **Learning Fair and Video Fest**

6:30 **Zombie Ball Social Event***
Dinner, dancing, and delectable desserts
* Preregistration required



2014 Annual Quality Congress Day 2

SUNDAY, NOVEMBER 2

6:30 AM **Run for Fun—Day 2: Only the Strong Survive!**
Beth Anderson, Howard Cohen, Erika M. Edwards

Network Science for Clinicians

8:00 **Innovations for Action** *Jeffrey D. Horbar*

8:10 **Network Medicine: From Cellular Networks to the Diseaseome** *Albert-László Barabási*

8:50 **Discussion**

9:00 **Applying Network Science to Improve NICU Outcomes** *James E. Gray*

9:20 **Discussion**

9:30 **The Developing Human Connectome** *David Edwards*

9:50 **Discussion**

10:00 **Break**

Life After CLABSI

10:30 **Renewing Our Focus on Infection: Beyond CLABSI** *Madge E. Buus-Frank*

10:36 **Late-Onset Infection—A View From the Centers for Disease Control and Prevention** *Daniel A. Pollock*

10:54 **The Microbiome and Late-Onset Infection** *Phillip I. Tarr*

11:12 **Discussion**

11:30 **The Future Is Now! Automating VON Data From Your Electronic Medical Records** *Neil Sarkar*

11:50 **Discussion**

12:00 **Lunch on Your Own or Optional Guided Poster Walk***
** Preregistration required*

1:30 **Breakout Session 2**

2:45 **Innovation in Action—Lessons Through the Video Lens**
William H. Edwards / Award-Winning Video Presenters

3:30 **Annual Quality Congress Adjourns**

Special Post-Conference Cosponsored with the American Academy of Pediatrics



Helping Babies Breathe® Master Trainer Workshop
November 3–4, 2014

Separate registration required. Separate fees apply.
Register at www.regonline.com/2014HBBMasterCourse.

Accreditation

CMEs will be awarded for attending this activity.

This activity has been submitted to Northeast Multistate Division (NE-MSD) for approval to award contact hours. Northeast Multistate Division (NE-MSD) is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.



Breakout Sessions

SATURDAY NOVEMBER 1, 2014	SUNDAY NOVEMBER 2, 2014
<p>Beyond CLABSI Progress Toward a VON/CDC Clinical Quality Measure for Late-Onset Sepsis <i>Susan N. Hocevar / Daniel A. Pollock / William H. Edwards / Erika M. Edwards</i></p>	<p>Beyond CLABSI Sustaining Gains from Three Quality Improvement Efforts in the NICU <i>Susan A. Furdon</i></p>
<p>Turning Data Into Information Automating VON Data Extraction From Your Electronic Medical Records <i>Neil Sarkar</i></p> <p>..... or</p> <p>Measuring Quality: Wrestling With LOS, Hospital Readmissions, and Evolving CMS Measures <i>Scott A. Lorch</i></p>	<p>Turning Data Into Information Automating VON Data Extraction From Your Electronic Medical Records <i>Neil Sarkar</i></p> <p>..... or</p> <p>Measuring Quality: Wrestling With LOS, Hospital Readmissions, and Evolving CMS Measures <i>Scott A. Lorch</i></p>
<p>Optimizing Outcomes for the Micro-Premature Infant Standardizing Skin Care for the Micro-Premature Infant <i>Carolyn Lund</i></p> <p>..... or</p> <p>The Lived Experience of Parenting a Micro-Premature Infant: Couples Speak <i>Parent Panel</i></p>	<p>Optimizing Outcomes for the Micro-Premature Infant Bathing and Beyond: New Data to Guide Newborn Skin Care <i>Carolyn Lund</i></p>
<p>Minimizing Brain Injury / Optimizing Development Neuromonitoring for Full-Term and Preterm Infants <i>Sonia L. Bonifacio / Susan Peloquin</i></p>	<p>Minimizing Brain Injury / Optimizing Development Implementation of Hypothermic Neuroprotective Therapies <i>David Edwards</i></p>
<p>Minimizing Lung Injury Avoiding Invasive Ventilation: Applying Novel Non-invasive Methods <i>Wally A. Carlo</i></p>	<p>Minimizing Lung Injury If You Must—Applying Intelligent Ventilation Strategies <i>Wally A. Carlo</i></p>
<p>Optimizing Nutrition / Minimizing NEC Lessons From the Rush Mothers' Milk Club: Peer-to-Peer Breastfeeding Support <i>Paula Meier</i></p> <p>..... or</p> <p>Nutritional Strategies for the Micro-Premature Infant: What Are We Aiming For? <i>Richard Ehrenkranz</i></p>	<p>Optimizing Nutrition / Minimizing NEC Breaking Down Barriers for Breastfeeding in Substance-Exposed Mother-Infant Dyads <i>Paula Meier</i></p> <p>..... or</p> <p>New Research Horizons in Necrotizing Enterocolitis <i>Phillip I. Tarr / Barbara B. Warner</i></p>
<p>Surgical Frontiers in NICU Care New Developments in Complex Surgical Care <i>Tom Jaksic / Biren P. Modi</i></p>	
<p>Improving Value for Patients and Families The Choosing Wisely Project: Neonatology Results <i>DeWayne Pursley / John A.F. Zupancic / Timmy Ho</i></p> <p>..... or</p> <p>Building the Capacity for QI at the Bedside—Leveraging Lean <i>Brandy Garris / Brandi Page</i></p>	<p>Improving Value for Patients and Families Time to Address the Hidden Burden of NICU Costs to Families <i>John A.F. Zupancic / Amy Nyberg</i></p> <p>..... or</p> <p>Building the Capacity for QI at the Bedside—Leveraging Lean <i>Brandy Garris / Brandi Page</i></p>
<p>Using People Wisely Interactive Staffing Tool to Create Patient-Centered Teams—Part 1 <i>James E. Gray</i></p>	<p>Using People Wisely Interactive Staffing Tool to Create Patient-Centered Teams—Part 2 <i>James E. Gray</i></p>
<p>Improving Safety Combatting Burnout With Resilience: Data From the Three Good Things Intervention at Stanford <i>Jochen Profit</i></p>	<p>Improving Safety Combatting Burnout With Resilience: Data From the Three Good Things Intervention at Stanford <i>Jochen Profit</i></p>
<p>Translating Evidence Into Practice The Evidence Is Never Perfect—So Then What? <i>Kathleen A. Kennedy</i></p>	<p>Translating Evidence Into Practice Probiotics—Ready for Prime Time in Premature Infants? <i>Roger F. Soll</i></p>
<p>Applied Ethics for Clinicians Ethical Case Studies From the Brave New World of Whole Genomic Sequencing <i>John Lantos</i></p>	<p>Applied Ethics for Clinicians Neonatal Ethical Case Studies <i>John Lantos / William Meadow</i></p>
<p>Optimizing Care of the Substance-Exposed Infant Supportive Parenting Interventions for Families Affected by NAS <i>Karol Kaltenbach / Lenora Marcellus</i></p>	<p>Optimizing Care of the Substance-Exposed Infant Lessons From HerWay: Building Community Bridges for Women and Families Affected by NAS <i>Lenora Marcellus</i></p>

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Dear Colleagues,

Please join us for the 2014 Vermont Oxford Network Annual Quality Congress. Together we will celebrate 25 years of the Vermont Oxford Network and the contributions you have made to building a strong worldwide community of practice.

In 1990, 36 NICUs submitted data on 2905 VLBW infants. In 2014, 1000 members from around the world will submit data on over 60,000 VLBW infants. This represents 85 percent of all VLBW infants born in the US. In 1990, members submitted data on paper forms and received printed reports. Today, members submit data electronically and have real-time access to secure confidential reports on Nightingale, our state-of-the-art Internet reporting system. And soon, as you will hear at the Annual Quality Congress, we will introduce advanced tools that allow members to extract Vermont Oxford Network data directly from the electronic health record.

However, the Vermont Oxford Network is not just about data. It is about building and supporting a worldwide community of practice dedicated to providing every newborn infant and family with the best possible and ever-improving neonatal care. Since 1990, we have made great strides. Together we have improved the care for high-risk newborn infants and their families, reducing both mortality and morbidity. We have advanced our common knowledge through randomized trials. Interdisciplinary teams have translated the evidence into daily practice using the methods of quality improvement, and we have partnered with families as advisors, faculty, and working team members for improvement.

Much remains to be done. Too many infants still die or survive with long-term disabilities. In 1990, few believed that NICUs could go for several hundred days without a single case of catheter associated bloodstream infection, CLABSI. Now, we accept that this is not only possible but we treat each case of CLABSI as a preventable event. What about the other major morbidities of NICU care, including bronchopulmonary dysplasia, necrotizing enterocolitis, retinopathy of prematurity, and brain injury? I believe that, by applying what we already know, these morbidities can also be dramatically reduced. At the 2014 Annual Quality Congress we will celebrate 25 years of work together and explore the ever-evolving possibilities for continued improvement.



Jeffrey D. Horbar MD

Chief Executive and Scientific Officer, Vermont Oxford Network

Save the Date!

2015 Annual Quality Congress

October 2–4, 2015

Sheraton Chicago Hotel
and Towers

Membership Information

The Vermont Oxford Network (VON) is a non-profit voluntary collaborative of health care professionals dedicated to improving the quality, safety, and value of medical care for newborn infants and their families through a coordinated program of research, education, and quality improvement projects. Established in 1988, the Network is currently comprised of over 1000 data-submitting centers in 29 countries.

To learn more about membership, the Network databases, and educational and quality improvement offerings, go to www.vtoxford.org or contact Bob Issenberg at rissenberg@vtoxford.org, or 802.865.4814, extension 234.

Learning Fair—Call for Abstracts

Calling all neonatal colleagues to submit your improvement stories and outcome data for the Annual Quality Congress. Abstracts will be peer reviewed for poster or podium presentation. Posters will be presented at the Learning Fair on Saturday; select posters will be featured in an expert-guided poster walk on Sunday.

Who Should Submit an Abstract?

- Individuals or teams engaged in improving the quality, safety, efficiency, and value of newborn care
- Individuals or teams enrolled in NICQ Next and/or the iNICQ QI collaboratives
- State, regional, or international quality improvement organizations
- Neonatal fellows
- Parents who are partnering with professionals for improvement

Topics of Interest

We are particularly interested in improvement projects that focus on the following plenary themes or challenges:

- QI implementation projects with data-driven outcomes
- Innovative projects or examples of family-centered care
- Neonatal abstinence syndrome
- Minimizing lung injury, minimizing brain injury, optimizing nutrition, minimizing NEC, and improving patient safety
- Interdisciplinary teams and teamwork
- Infection reduction
- Novel models of NICU care and/or environments

Please refer to our complete abstract guidelines online at www.vtoxford.org/2014CallforAbstracts. **Abstracts are due September 3, 2014.** Abstracts submitted after that date will not be accepted.

NICU Tube Fest—Call for Videos

Please help us spread innovative practices and programs by sharing a short video from your center. Relevant topics include the following:

- Focus on an innovative program or practice
- Show a standardized process or procedure
- Highlight innovative quality improvement tools or strategies
- Demonstrate clinically relevant practices for others

Videos should be no longer than 3 minutes, with an additional 1 minute for video credits. The video must be accompanied by relevant documentation and appropriate consent forms. Select videos will be available for viewing during the Learning Fair in a special screening room. Video entries may be featured in the closing plenary session "Innovation in Action—Lessons Through the Video Lens."

For more detailed information on video submission, please visit www.vtoxford.org/2014CallforVideo. **Video submissions are due September 3, 2014.**

Who Should Attend?

The Vermont Oxford Network's Annual Quality Congress is the premier event supporting the Network's 1000+ member sites. This educational program is open to VON members and non-members. The care of newborns is an interdisciplinary effort; our program has cutting-edge content for individuals and teams interested in improving the quality, safety, and value of care for newborns and their families.



- Neonatologists
- Pediatricians
- Fellows
- Nurses
- Neonatal Nurse Practitioners
- Clinical Nurse Specialists
- Clinical Educators
- Outreach Educators
- Data Contacts
- Quality Improvement Specialists
- Parents / Advisors
- Nurse Managers / Directors
- Senior Leaders
- Respiratory Therapists
- Dietitians
- Pharmacists
- Physical and Occupational Therapists

Call for the Kathy Leahy Scholarship

The Vermont Oxford Network is delighted to offer our first annual conference scholarship for the 2014 Annual Quality Congress. Key eligibility criteria include:

- RNs and/or APNs from a VON member center
- Strong interest in improving the quality, safety, and value of care
- Active engagement in quality improvement projects and programs

Interested applicants can self-nominate by submitting a one-page letter highlighting their expertise, experience, and tangible examples of QI efforts they have participated in. Special consideration will be given to those who have mentored and motivated other colleagues.

Send application letter and CV to nancy@vtoxford.org. **Deadline for submissions is July 1, 2014.** See more information online at www.vtoxford.org/LeahyScholarship.

Turn Data Into Information

Vermont Oxford Network's Nightingale Internet Reporting System is a rich resource of data and reports and a valuable tool for your team to use in identifying opportunities for quality improvement.

Join Erika Edwards PhD, MPH, Manager of Statistical Reporting at Vermont Oxford Network, at the Saturday breakfast session "Using Nightingale to Identify Improvement Opportunities for Reducing BPD," to learn how to examine key performance measures, search for opportunities for quality improvement, choose improvement strategies, and monitor those efforts.

You can also sign up for an introductory webinar to explore Nightingale's features. Sessions are scheduled for September 18 and November 21. Please email nightingale@vtoxford.org for more information.

JOIN US FOR THE

2014 Annual Quality Congress

November 1–2, 2014
Sheraton Chicago Hotel & Towers

To Register

Online registration is required for our 2014 events. Register at www.regonline.com/VON2014Meeting.

Register early to receive discounted registration fees and to assure that space is available in your preferred breakout sessions and the onsite hospital visits. **Early registration deadline is June 30, 2014.**

Registration fees include Continuing Medical Education (CME) and Nursing Contact Hours, as well as admission to the Annual Quality Congress social event. Special fees apply for luncheon events.

Accommodations

The Vermont Oxford Network has reserved a room block at the Sheraton Chicago Hotel & Towers at a discounted group rate. The Sheraton is ideally situated in the heart of downtown on the Chicago River and is within walking distance of Navy Pier, the Magnificent Mile shopping, the Art Institute of Chicago, and other activities and many great restaurants.

Special room rate: \$209 single

The room block closes on September 25, or earlier if filled. **Please reserve early to assure availability at the discounted rate.** Hotel reservations can be made by phone at **800.325.3535** or online at www.starwoodmeeting.com/Book/VON. Please reference the Vermont Oxford Network to receive the discounted group rate.

Registration Fees	Early Registration Fee	After June 30, 2014
Preconference Quality Improvement Team Training		
½-day afternoon meeting	\$195	\$195
VON NICQ Next / iNICQ 2014 Intensive Centers		
All professions		
Registration for up to 4 participants included in Collaborative fee	0	0
Team members > 4 per center	\$350	\$450
iNICQ Core Centers All professions		
2-day Annual Quality Congress	\$350	\$450
VON Member Physician		
2-day Annual Quality Congress	\$550	\$650
VON Member Nurse, Fellow, all other providers		
2-day Annual Quality Congress	\$350	\$450
Social Event		
Registered participant	0	0
Guest	\$50	\$50
Non-VON Member Participants		
2-day Annual Quality Congress	\$850	\$1,000
Parents		
Parents who are sponsored by a center participating in a VON Collaborative may attend free of charge.		

The Annual Quality Congress is commercial free. The Vermont Oxford Network does not accept industry sponsorship, displays, or product advertising.