

**Kansas Hospital  
Engagement Network**

**Virtual Meeting:  
Kansas HEN updates  
and peer-to-peer sharing**

**Kansas Healthcare  
COLLABORATIVE**

**Kansas HEN Webinar  
January 28, 2015**

Introductions

**Presenters**

**Kansas Healthcare Collaborative**

**Michele Clark**  
Program Director

**Eric Cook-Wiens**  
Data and Measures Manager

**Olathe Health System**

**Michelle M.O. Boylan, RN, MA, MBA**  
Vice President Quality & Risk Management

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January 28, 2015

## Agenda

- ❖ Opening remarks
- ❖ National Celebration of Successes
- ❖ Kansas HEN updates and progress
  - Kansas HEN successes
  - Kansas HEN follow-up survey
- ❖ Kansas HEN 2015
  - Potential for HEN 2.0?
  - 2015 data, measures and reports
- ❖ Hospital Sharing – Olathe Health Systems OHS' approach to performance excellence
- ❖ Resources, wrap up and discussion

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## Comments or questions?

Please type your question or message into the chat window as we go. We will monitor chat and respond as we go.

We will pause for telephone Q&A at the conclusion of the program.

Or contact us after the webinar. Emails are provided.



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Announcements

## Welcome to the Kansas HEN!

New hospitals joining the Kansas HEN

- **Lincoln County Hospital**  
 Lincoln, Kansas
  
- **Pawnee Valley Community Hospital**  
 Larned, Kansas

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AHA/HRET  
Improvement Leader Fellowship

## Kansas HEN 2014 AHA/HRET Improvement Leader Fellows

Ashland Health Center <b>Jessica Bates</b>	Ottawa County Health Center <b>Carolyn Winebrenner</b>
Clara Barton Hospital <b>Jane Schepmann</b>	Ransom Memorial Hospital <b>Dorothy Rice</b>
Hutchinson Regional Medical Center <b>Janet Feril</b>	Rooks County Health Center <b>Stephanie Bjornstad</b>
Kingman Community Hospital <b>Gayle Easley</b>	Sabetha Hospital <b>Betty Manley</b>
Lindsborg Community Hospital <b>Debbie Richter</b>	Satanta Hospital <b>Beverly Myers</b>
Meade District Hospital, Artesian Valley Health <b>Jane Chance</b>	Saint Luke's Cushing Hospital <b>Kimberly Richardson</b>
Miami County Medical Center <b>Nelda Jeffery</b>	Smith County Memorial Hospital <b>Julie Haresnape</b>
Newton Medical Center <b>Dr. Jennifer Koontz</b>	Susan B. Allen Memorial Hospital <b>Jamie Boyce</b>
Olathe Medical Center <b>Kathy Auten</b> <b>Kim Barton</b> <b>Michelle Boylan</b> <b>Amy Harvey</b> <b>Thomas Laughlin</b> <b>Janiene Nash</b> <b>Jennifer Nick-Helmstetter</b>	Trego County Lemke Memorial Hospital <b>Jessica Buchholz</b>  Wesley Medical Center <b>Joann Paul</b>  Kansas Healthcare Collaborative <b>Kendra Tinsley</b> <b>Michele Clark</b>
<b>Malea Hartvickson</b> <b>Julie Richards</b> <b>Alicia Seckman</b> <b>Janet Smith</b> <b>Karen Super</b> <b>Jeni Wakefield</b> <b>Mariann Wolff</b>	

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AHA/HRET  
Improvement Leader Fellowship

## IHI Open School

Kansas: 79 subscriptions reserved (free)

Kansas HEN Participants Completing $\geq 12$ IHI Open School Modules	
<b>Comanche County Hospital</b> <ul style="list-style-type: none"> <li>• <b>Beverly Malone</b>, Quality Improvement/Infection Control Director</li> </ul>	<b>Rooks County Health Center</b> <ul style="list-style-type: none"> <li>• <b>Pam Harmon</b>, Chief Nursing Officer</li> <li>• <b>Melva Oller</b>, Director of Surgical Services</li> </ul>
<b>Olathe Medical Center</b> <ul style="list-style-type: none"> <li>• <b>Michelle Boylan</b>, VP Quality &amp; Risk Management</li> <li>• <b>Jennifer Nick-Helmsteller</b>, Quality &amp; Outcomes Coordinator</li> <li>• <b>Mariann Wolff</b>, Risk Management Manager</li> </ul>	<b>Republic County Hospital</b> <ul style="list-style-type: none"> <li>• <b>Denise Roberts</b>, Quality Assurance</li> </ul>
	<b>Kansas Healthcare Collaborative</b> <ul style="list-style-type: none"> <li>• <b>Kendra Tinsley</b>, Executive Director</li> <li>• <b>Michele Clark</b>, Program Director</li> </ul>

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Announcements

## CAUTI in the ICU

>333 ICUs in 16 states:  
AR, AZ, CO, FL, GA, IL, **KS**, KY, MN, NC, NJ, OK, SC, TN, TX, VA

17 Kansas Hospitals, 18 ICU units	Project Leads
Cloud County Health Center	Mayra Brooks
Coffeyville Regional Medical Center	Susan Thomison
Hays Medical Center	Kevin Myers
Hutchinson Regional Medical Center	Julie Ward
Labette Health	Peggy Hoisington
Lawrence Memorial Hospital	Nikki Rivers
Mercy Regional Health Center	Melanie Hastert
Neosho Memorial Regional Medical Center	Patricia Lucke
Prairie Regional Medical Center	Hayley Zink
Ransom Memorial Hospital	Justine Fine
Republic County Hospital	Stevie Swiercinsky
Salina Regional Health Center	Challa Lawson
Shawnee Mission Medical Center	Zee Bhakta
The University of Kansas Hospital - NEICU	Stacy Smith
The University of Kansas Hospital - SICU	Cris Pritchard
Via Christi Hospital on St. Francis	Kari Gordon
Via Christi Hospital Pittsburg, Inc.	Cheryl Craig
Wesley Medical Center	Melinda Fields

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Announcements

## Cohort 9 CAUTI in the ICU Project

Map of Participating States

**NJHA** ■

**MHA** ■

**SCCM** ■

16 hand-selected states  
>333 ICUs in >250 hospitals

Each state features an ICU nurse/physician clinical leadership team.

In Kansas,  
**Shawnee Mission Medical Center:**  
Shalan Stroud, RN  
and Larry Botts, MD

National and regional approach for monthly webinars and coaching calls.

**State contacts:**  
Michele Clark at KHC  
(mclark@khconline.org) and  
Nadyne Hagmeier at KFMC  
(nhagmeier@kfmc.org)

**Group Facilitators:**  
 NJHA – New Jersey Hospital Association  
 MHA – Michigan Health and Hospital Association  
 SCCM – Society of Critical Care Medicine

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Announcements

## CAUTI in the E.D. Intervention

80 emergency departments in nine states:  
CA-1, CT-10; FL-32; KS-16; NJ-3; NY-1; OK-16; SC-1

16 Kansas Hospitals	Project Leads
Coffeyville Regional Medical Center	Susan Thomison
Comanche County Hospital, Coldwater	Beverly Malone
Decatur Health Systems, Oberlin	Amy Haas
Fredonia Regional Hospital, Fredonia	Amanda Green
Hodgeman County Health Center, Jetmore	Regan Weber
Kearny County Hospital, Lakin	Ashley Rich
Labette Health, Parsons	Willetta Wilson
Memorial Health System, Abilene	Carol Landis
Minneola District Hospital, Minneola	Judy Smith
Norton County Hospital, Norton	Deb Bowen
Olathe Medical Center, Olathe	Nina Shik
Republic County Hospital, Belleville	Lanette Herrman
Rooks County Health Center, Plainville	Angela Hahn
Saint Luke's Cushing Hospital, Leavenworth	CK Larson
Sheridan County Health Complex, Hoxie	Tiffany Palmer
The University of Kansas Hospital, Kansas City	Christine Pittenger

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## Celebrating Success

- CMS Partnership for Patients
- AHA/HRET HEN

**Michele Clark**  
Program Director  
Kansas Healthcare Collaborative  
[mclark@khconline.org](mailto:mclark@khconline.org)  
785-235-0763 x1321

QualityNet:  
The CMS Healthcare  
Quality Conference  
MOVING FROM VISION TO REALITY

## CMS Leadership Perspective

# Thank You

- For the hard work you have done and are doing to improve our nation's healthcare system.
- For your active commitment to improving the care of your patients and clients.
- For your commitment to improvement, innovation and transformation

**Paul McGann, MD**  
Co-Director  
Partnership for Patients  
December 2, 2014

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National Headlines

Dec. 2, 2014

**Hospitals make 'unprecedented' strides in patient safety**

Dan Mangan | @DanMangan  
Tuesday, 2 Dec 2014 | 8:15 AM ET

**CNBC**

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**USNews** health

**50,000 Fewer Deaths Caused by Hospitals**

Government study shows reducing hospital-caused illnesses saves money and lives.

**50,000 lives saved because of fewer hospital errors, officials say**

Chicago Tribune



**REUTERS**

**Report: 17 percent drop in hospital patient harm**

**U.S. hospitals make fewer serious errors; 50,000 lives saved**

**Modern Healthcare**

**1.3 million adverse events prevented in U.S. hospitals since 2010, feds say**

**NBC NEWS**

**Hospital Errors Drop, Saving 50,000 Lives: Government**

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## Partnership for Patients (PfP) is an Innovation in Implementation Science

**In 3 years PFP has produced:**

National infrastructure of hospital safety improvement organizations calling for SAB.

5,100 hospitals

3,700 hospitals aligned w PFP


Rapid cycle development practice growing the SAB agenda

Patient and Family Advocate Community organized for SAB

Federal and National Partners aligned with SAB

Patient and Family Engagement as Part of hospital culture

*Safety Across the Board* as the new normal



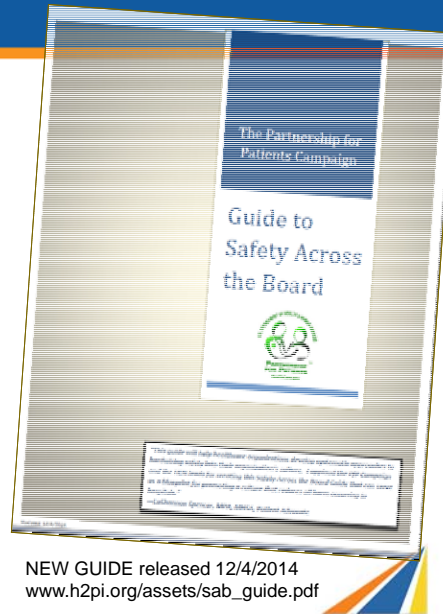
Source: CMS, QualityNet 2014

## Safety Across The Board Guide: A HEN Call To Action

**Safety Across the Board** occurs when hospitals take a systemic approach to measuring, monitoring and continually improving care. Rather than using a project-by-project or unit-by-unit approach, the focus shifts to **systems thinking to reduce all harms occurring in the hospital.**

**Safety Across the Board** (is) a **culture of safety and a sensitivity to operations** that makes it “difficult to do the wrong thing” and easy “to do the right thing”...

Source: CMS, QualityNet 2014



NEW GUIDE released 12/4/2014  
[www.h2pi.org/assets/sab\\_guide.pdf](http://www.h2pi.org/assets/sab_guide.pdf)

## Innovations from the “HEN Point of View” The Power of Regular Network Communication

Traditional Approach: Project Focused and Incremental	Partnership For Patients: Rapid, Full Court Press & System Change
Punitive Action	Culture Change
Prescriptive/Linear	Flexibility
Contractual Obligations	Commitments
Commitment to Design	Commitment to Outcomes/Aims
Local application/local projects	Large scale projects/national application to reach Tipping Point

Source: CMS, QualityNet 2014



## Major National Reductions in Harm AHRQ 2010 Baseline & Results to Date

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2010: 145 Harms/1000 Discharges

2011: 142 Harms/1000 Discharges


2012: 132 Harms/1000 Discharges

2013: **121 Harms/1000 Discharges**

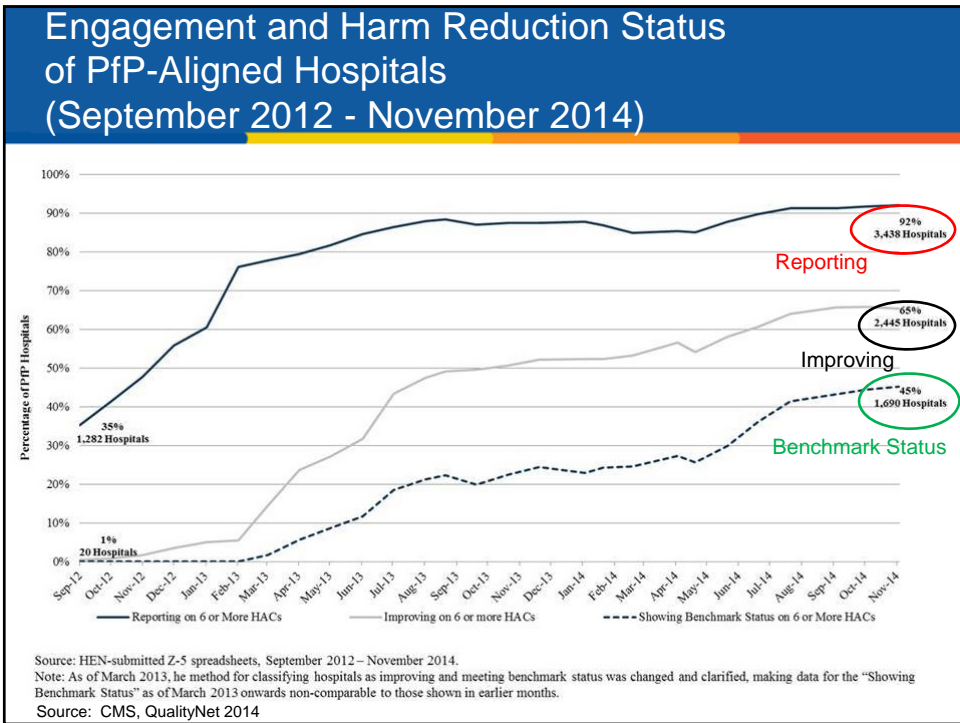
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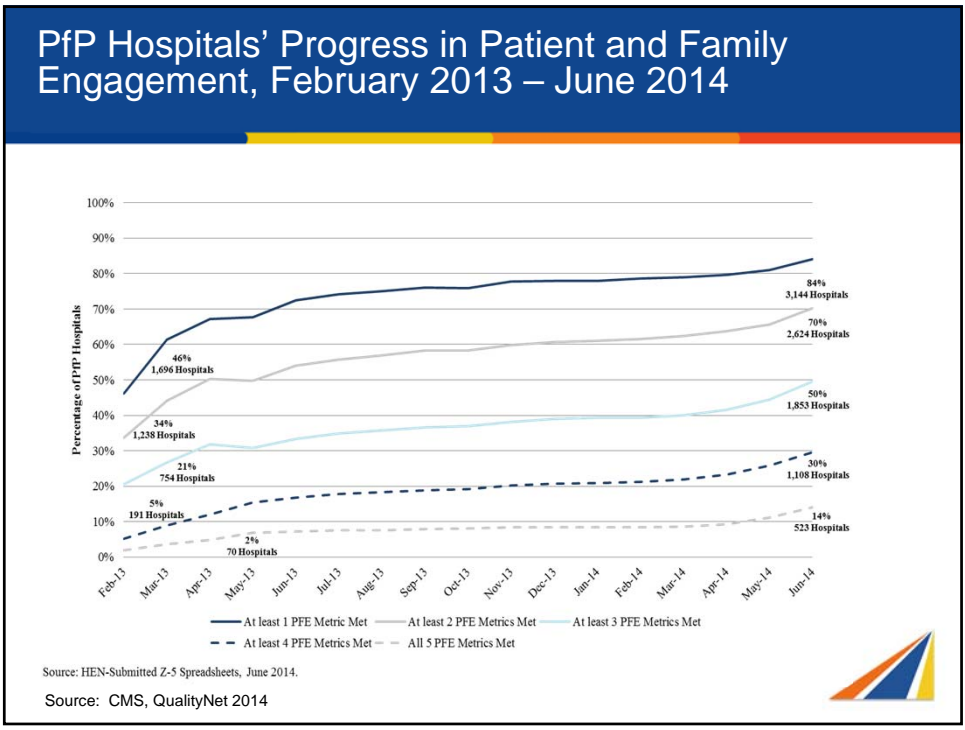
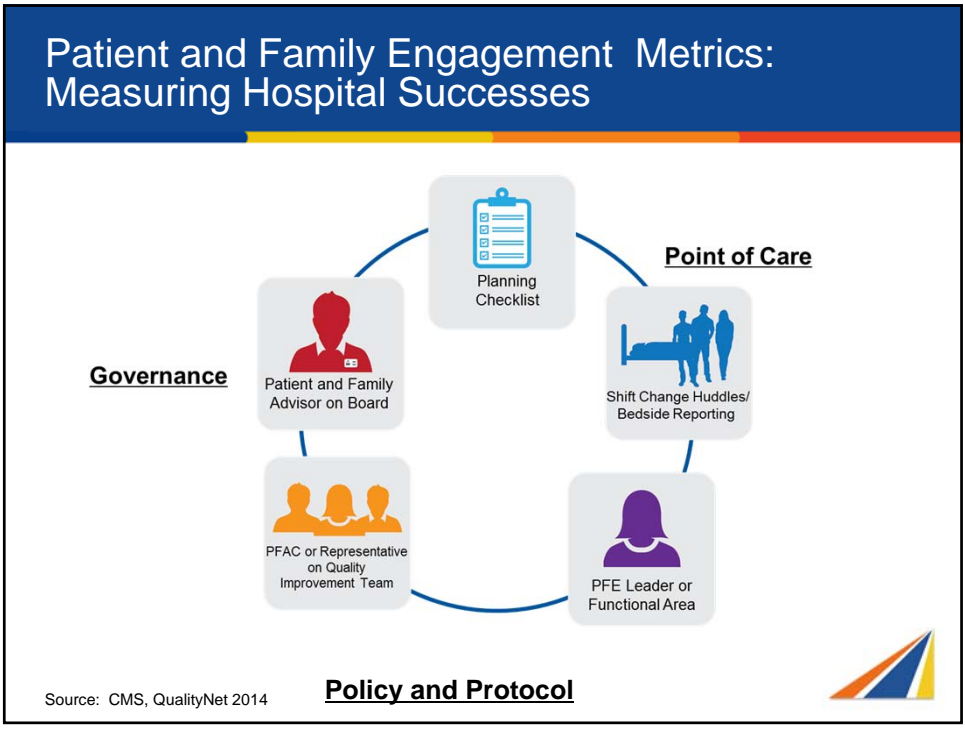
2014: **Goal = 120 harms/1000 Discharges**

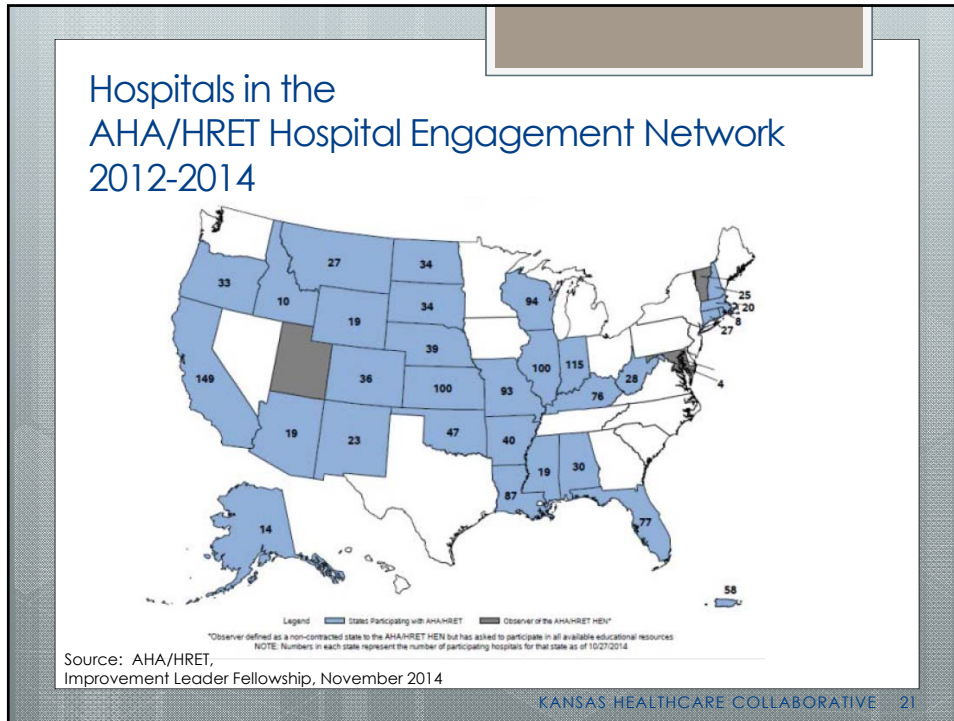
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Source: CMS, QualityNet 2014







### AHA/HRET Estimates Harms Prevented & Cost Savings January 2012 – October 2014

Topic	Estimated Harms Prevented (Annualized)	Estimated Cost Savings (Annualized)
ADE	8,155	\$24,465,000
CAUTI	2,805	\$2,805,000
CLABSI	893	\$15,181,000
EED	922 (NICU admissions)	\$7,811,000
OB Harm	766	\$705,000
Falls	1,331	\$882,000
PrU	4,655	\$188,528,000
Readmissions	65,022	\$572,714,000
SSI	4,860	\$102,060,000
VAE	58	\$1,218,000
VTE	3,255	\$72,391,200
<b>Total</b>	<b>92,792</b>	<b>\$988,760,000</b>

Source: AHA/HRET Final Project Report, [www.hret-hen.org](http://www.hret-hen.org)

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# Kansas HEN Data and Measures Updates

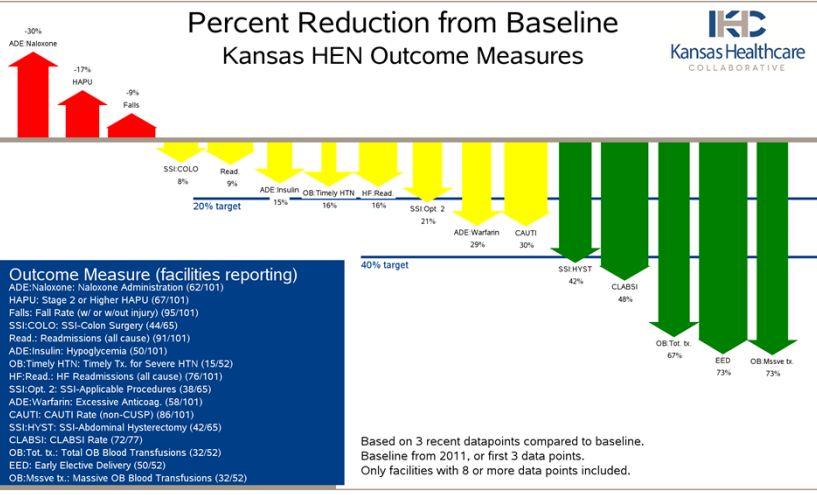
- Preliminary Results for 2014
- 2015 Data, Measures and Reports

**Eric Cook-Wiens**

Data and Measures Manager  
 Kansas Healthcare Collaborative  
[ewiens@khconline.org](mailto:ewiens@khconline.org)  
 785-235-0763 x1324

## Preliminary Results for 2014

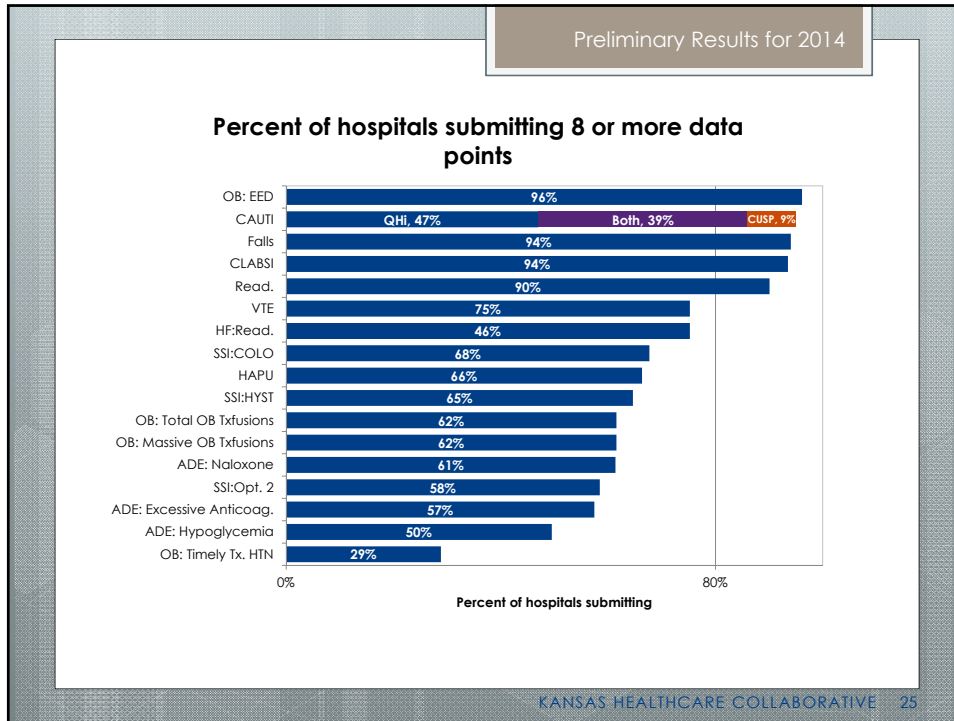
### Percent Reduction from Baseline Kansas HEN Outcome Measures



**Outcome Measure (facilities reporting)**  
 ADE:Naloxone: Naloxone Administration (62/101)  
 HAPU: Stage 2 or Higher HAPU (67/101)  
 Falls: Fall Rate (w/ or w/out injury) (95/101)  
 SSI:COLO: SSI-Colon Surgery (44/65)  
 Read: Readmissions (all cause) (91/101)  
 ADE:Insulin: Hypoglycemia (50/101)  
 OB:Timely HTN: Timely Tx. for Severe HTN (15/52)  
 HF:Read: HF Readmissions (all cause) (76/101)  
 SSI:Opt. 2: SSI-Applicable Procedures (38/65)  
 ADE:Warfarin: Excessive Anticoag. (58/101)  
 CAUTI: CAUTI Rate (non-CUSP) (86/101)  
 SSI:HYST: SSI-Abdominal Hysterectomy (42/65)  
 CLABSI: CLABSI Rate (72/77)  
 OB:Tot. tx.: Total OB Blood Transfusions (32/52)  
 EED: Early Elective Delivery (50/52)  
 OB:Mssve tx.: Massive OB Blood Transfusions (32/52)


Based on 3 recent datapoints compared to baseline.  
 Baseline from 2011, or first 3 data points.  
 Only facilities with 8 or more data points included.

(preliminary snapshot 1/23/2015 )



Data and Measures Update

## Successes



**Significant Improvements**

- ✓ Meeting improvement targets for 5 measures
- Marked success in preventing CLABSI, CAUTI & EED
- Notable progress on SSI
- Early Success with OB measures
- Readmission going in the right direction
- Lots of individual hospital success stories

**Participation**

- ✓ Achieved 80% reporting target for 5 measures
- Tremendous improvement in data collection
- 58 facilities joined our NHSN group
- Learned some challenging new measures
- Quality improvement data is reaching senior leaders

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Kansas HEN Follow-up Survey

## Kansas HEN Follow-up Survey

- Conducted in December.
- Survey still open.  
<https://www.surveymonkey.com/r/KS-HEN-Dec14>
- Seek 100% response. Need 16 more!
- Short, online survey will allow us to compare areas of progress since the beginning of the HEN (2012), plus identify priorities for the year ahead.

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Kansas HEN Follow-up Survey

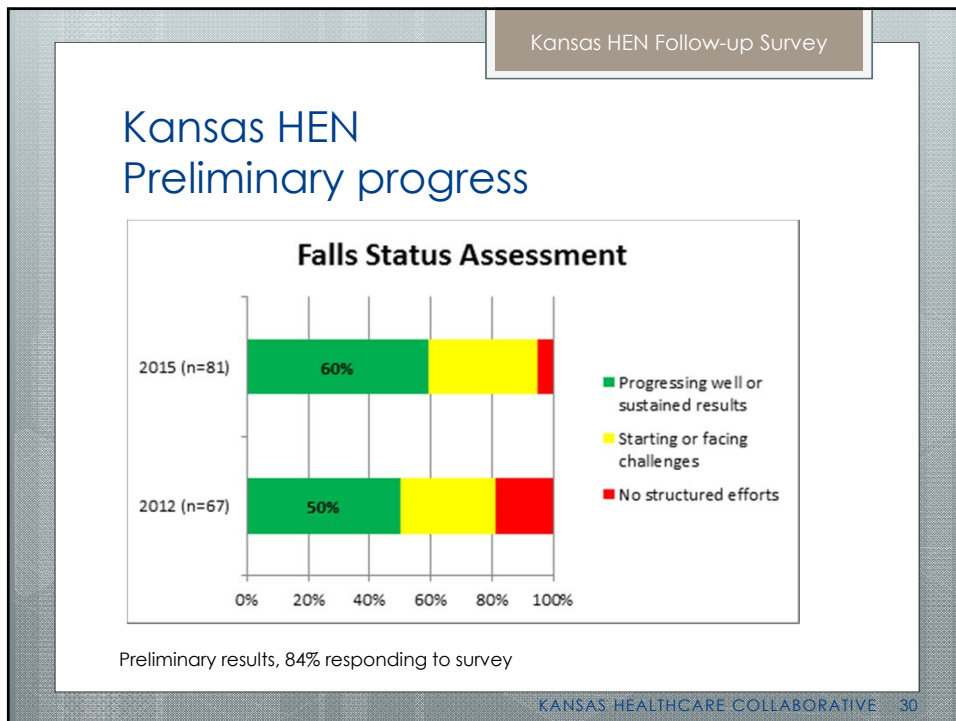
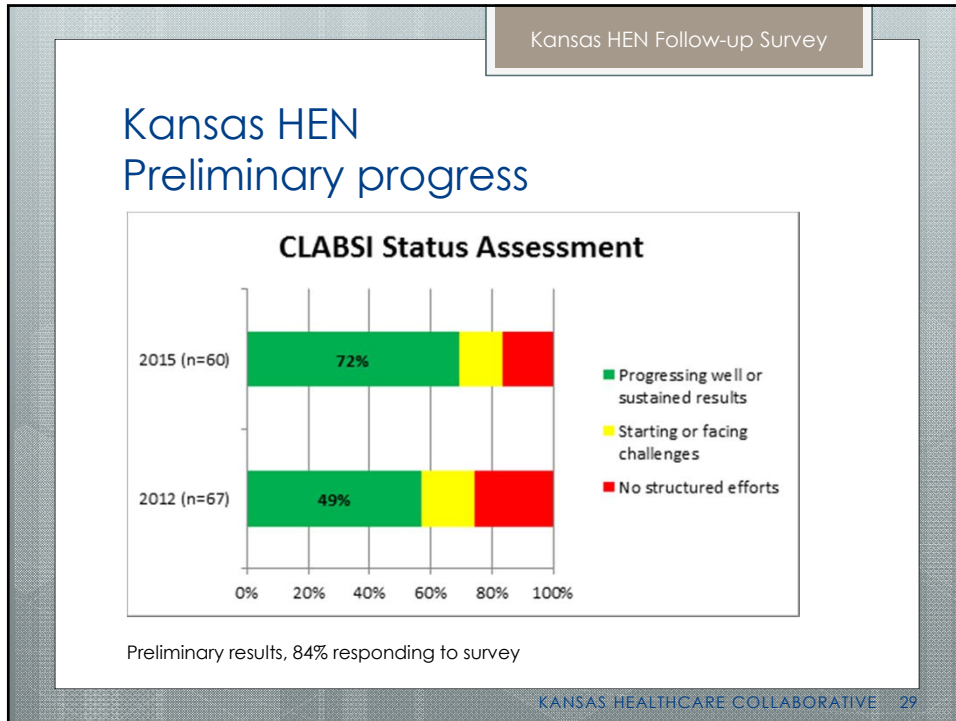
## Kansas HEN Preliminary progress

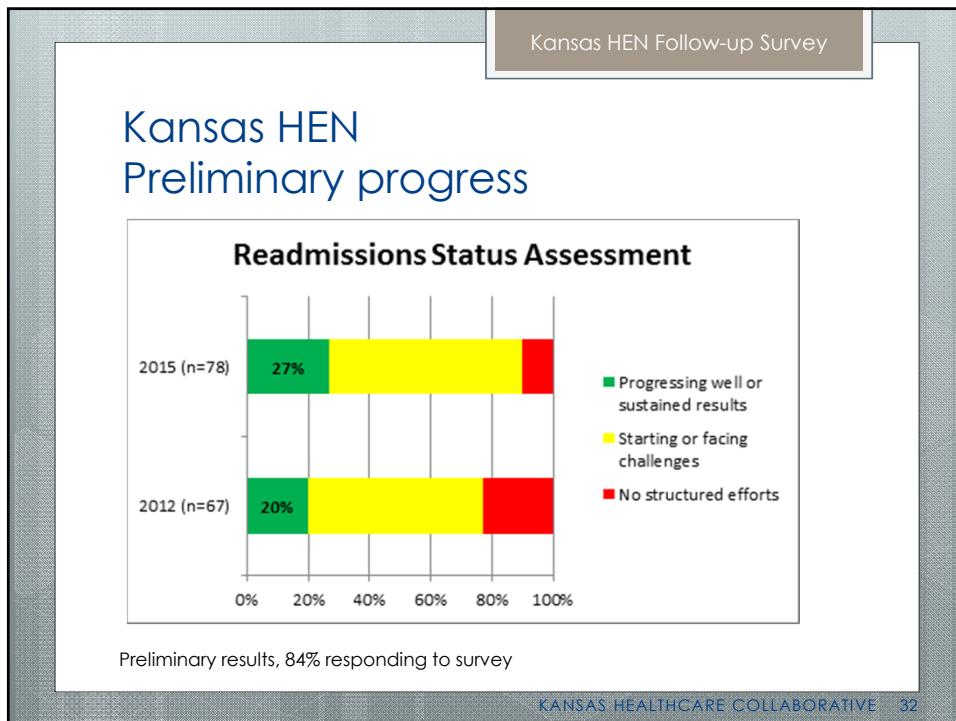
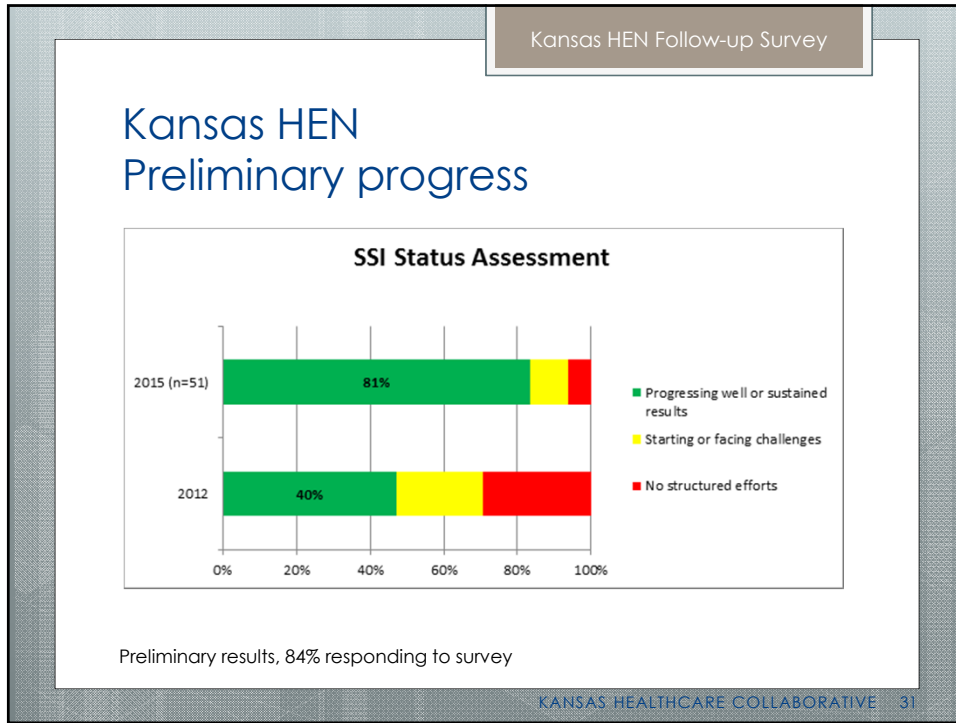
### CAUTI Status Assessment

Year	Progressing well or sustained results	Starting or facing challenges	No structured efforts
2015 (n=81)	76%	18%	6%
2012 (n=67)	48%	42%	10%

Preliminary results, 84% responding to survey

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Kansas HEN Follow-up Survey

## Key areas of progress

During the HEN (2012-14), our facility has made progress in:

Assessment	Made Progress
<b>Developing improvement knowledge and capability of hospital quality leaders</b>	<b>78%</b>
<b>Learning evidence-based interventions and best practices</b>	<b>70%</b>
<b>Reducing overall patient harm</b>	<b>69%</b>
<b>Building systems to collect and submit data for HACs</b>	<b>69%</b>
<b>Participating in structured improvement efforts</b>	<b>65%</b>
Engaging leaders to drive accountability for improvement	60%
Engaging staff to drive accountability for improvement	59%
Creating a culture for safety across the board	58%
Engaging patients and families as members of their care team	29%
Engaging patients and families in facility-level quality and patient safety	15%
No progress	1%

Preliminary results, 84% responding to survey

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Kansas HEN Follow-up Survey

## How would you rate your facility's current and future level of engagement in the HEN?

	2013-14	2015-16
High	36%	<b>53%</b>
Medium	42%	<b>42%</b>
Low	22%	<b>5%</b>

Preliminary results, 84% responding to survey

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Kansas HEN Follow-up Survey

### Sample comments: More ways the Kansas HEN has been beneficial

"This has been a great network of peers to be involved with. Additional resources and ideas have come from being a part of the HEN."

"The opportunity to have a standardized method for process and outcome measurements has been so helpful. We have benchmark data, best practice data, and collaboration with like and larger facilities. It coordinates with our mission, vision, values and goals."

"By participating in KHEN our facility has become more aware of issues and we are now working on improvements to make it a better experience for our patients and to reduce the potential for harm across the board."

"The HEN project has been VERY helpful in giving us quality projects to measure and focus on. By offering education on all of the topics, we were able to get staff educated and more involved in the overall safety for patients!!"

"Participating in KHEN has kept patient safety and reducing harm at the forefront. Consistent communications with KHEN have helped us gain focus."


The KHEN has helped our focus on several areas, specifically HAIs through the many helpful tools and best practice checklist. It helps us be accountable and to help work on engaging our patients!

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2015 Kansas HEN

### Question to Run On

What is the next phase of HEN plans for continuing to address the national safety campaign?



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2015 Kansas HEN

## Kansas HEN in 2015

KHC is committed to sustaining and supporting the Kansas HEN community through:

- Measure support, data collection and reports
- Break-through collaboratives in key areas
- Educational programming
- Venues for peer-to-peer sharing
- Technical assistance
- Connecting with state and national aims and priorities
- Positioning Kansas hospitals for continued success and future opportunities

After December 8, 2014, the Kansas HEN is no longer supported by CMS funds or the federal Partnership for Patients.

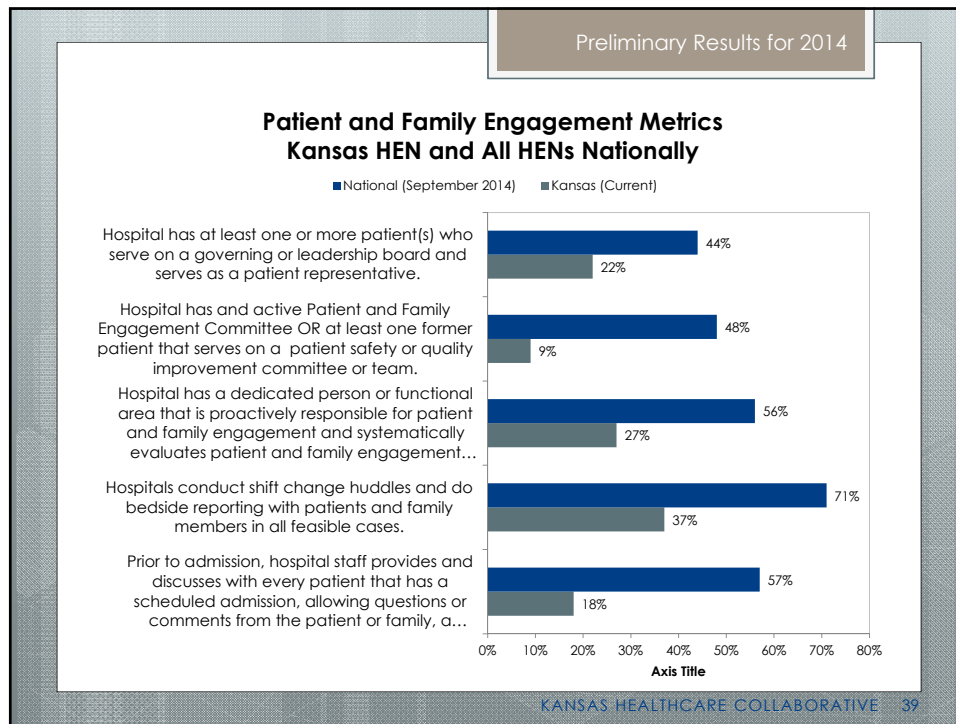
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2015 Kansas HEN

## Opportunities for 2015

- Renew focus on challenging topics
  - Readmissions
  - Adverse Drug Events
  - Falls and Pressure Ulcers
  - OB/Early Elective Delivery – Sustain, build upon success. Can we get EED to Zero?
  - SSI/Colon
- Patient and Family Engagement
- Continue to engage senior leaders
- All facilities (including CAHs) submitting data to NHSN

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- 2015 Kansas HEN
- ### Highlights of draft HEN 2.0 (Dec. 2014)
- (Note: No guarantees of a HEN 2.0)
- |              |  |
|--------------|--|
| ADE          | • Opioid safety, anticoagulation safety and glycemic management                                |
| CAUTI        | • In all hospital settings, both inpatient and ER  |
| CLABSI       | • In all hospital settings, not just ICUs  |
| Falls        | • Falls with injury, all acute units   |
| OB Harm      | • Early elective delivery (PC-01)<br>• Perinatal harm and OB trauma (claims-based)             |
| HAPU         | • PrU prevalence Stage 2+<br>• PrU rate, Stage 3+ (claims-based)                               |
| Readmissions | • Readmissions within 30 days (all cause)<br>• Tracking and addressing health care disparities |
| SSI          | • Multiple classes of surgery (NHSN SIR) – eg, colon, abdominal hyst, total hip and total knee |
| VAE          | • VAC and IVAC (NHSN)  |
| VTE          | • To include post-operative PE   |
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2015 Kansas HEN

## Possible cross-cutting focus according to draft HEN 2.0 (Dec. 2014)

PFE	<ul style="list-style-type: none"> <li>• Adoption of five best practices of patient and family engagement in hospital harm reduction program</li> </ul>
Leadership	<ul style="list-style-type: none"> <li>• Adoption of four Leadership best practices aligned with goals</li> </ul>
Disparities	<ul style="list-style-type: none"> <li>• Tracking and addressing health care disparities in harm and readmission</li> </ul>
Training activities	<ul style="list-style-type: none"> <li>• Training for enrolled hospitals to address HACs, readmissions, PFE and continuous improvement efforts.</li> </ul>
Organizational culture	<ul style="list-style-type: none"> <li>• Survey, such as AHRQ Patient Safety Survey or Organizational Audit Tool</li> </ul>

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2015 Kansas HEN

## 2015 Kansas HEN Measures

- **Stay the course with 2014 Kansas HEN measures (for now)**; Anticipate a new national program (HEN 2.0?) to be offered in 2015
- Measures likely to retire (still available in QHi for now)
  - Heart Failure discharge instructions
  - SCIP process measures

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2015 Kansas HEN

## 2015 Data

- Continue to use QHi for data collection
- CDS (from HRET) is our source for the national comparison line – still available *for now*
- KHC is considering new methods for setting baseline
  - Use more recent data
  - Use a longer time period for baseline
- Emphasize national benchmarks in reports

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2015 Kansas HEN

## 2015 Reports

- QHi reporting tools
- Reports from KHC
  - Currently revamping run chart report format.
  - Side-by-side comparison reports will reflect improvement status (not just data submission status). Hospital names will be blinded.
  - KHC will use ShareFile for report distribution.
- Run chart reports with final 2012-2014 data will be distributed in March.

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2015 Kansas HEN

## Kansas HEN 2015 Data Submission Schedule

Outcome & Process Measures for HACs occurring in:	Readmissions for index discharges in, and SSI for procedures performed in:	Submission Due
<b>December 2014</b>	<b>November 2014</b>	<b>January 31, 2015</b>
January	December	February 28
February	January	March 31
March	February	April 30
April	March	May 31
May	April	June 30
June	May	July 31
July	June	August 31
August	July	September 30
September	August	October 31
October	September	November 21
November	October	December 31

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## Hospital Sharing

Our approach to:

- Performance Excellence
- Performance Improvement Tools
- Transformational Cultural Change

**Michelle Boylan**

Vice President Quality & Risk Management  
 Olathe Health Systems  
 Michelle.boylan@olathehealth.org



## *Welcome to the Olathe Health System*



**Olathe Medical Center**  
Licensed 300 beds  
Staffed 235  
FTE 1,267  
Discharge by Service 36,648

**Olathe Medical Services**  
Clinic sites 39  
FTE 436  
Clinic visits 440,000

**Miami County Medical Center**  
Licensed 39 beds  
Staffed 18 beds  
FTE 129  
Discharge by Service 458


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## Performance Excellence

“Performance Excellence” refers to an integrated approach to organizational performance management that results in:

- delivery of ever-improving value to customers and stakeholders, contributing to organizational sustainability;
- improvement of overall organizational effectiveness and capabilities;
- and organizational and personal learning.

### High Reliability



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### *2015 Quality and Safety Linkage Drive Outcomes*



Quality and safety are inextricably linked. *Quality in health care is the degree to which its processes and results meet or exceed the needs and desires of the people it serves.* Those needs and desires include safety.

**The components of a quality management system should include the following:**

- Ensuring reliable processes
- Decreasing variation and defects (waste)
- Focusing on achieving better outcomes
- Using evidence to ensure that a service is satisfactory

**OHS Initiatives**

High Reliability Initiatives (hand hygiene, falls reduction, safe culture)  
Building on 60: Lean Six Sigma  
Outcomes Management/Harm Across the Board  
Service: Patient experience/Service recovery pilot  
Technology: Cerner Optimization



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## Our Strategic Objectives for Excellence

**Personnel:**

- To provide a competent and sufficient workforce.

**Quality:**

- To provide quality care and services and improve patient safety.

**Customer:**

- To provide excellent customer service.

**Growth and Development:**

- To increase market share and address healthcare needs across our expanding service area.

**Financial:**

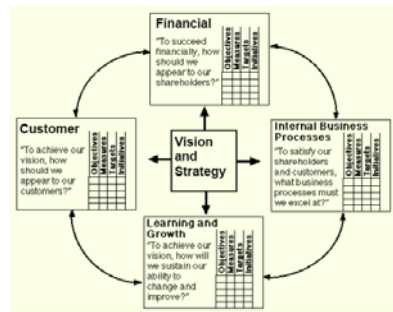
- To maintain financial stability.



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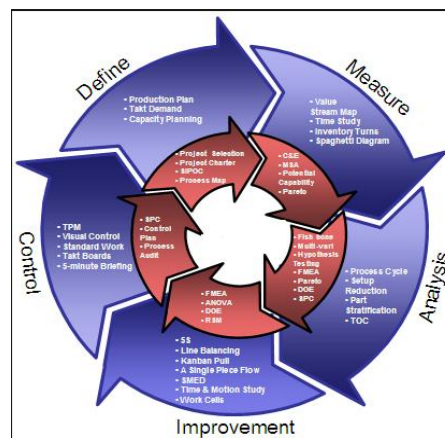
# “Big Data”

Focus  
Alignment  
Communication  
Accountability



What we measure drives the patient experience and improvement of patient outcomes.

# Performance Improvement: Lean Six Sigma



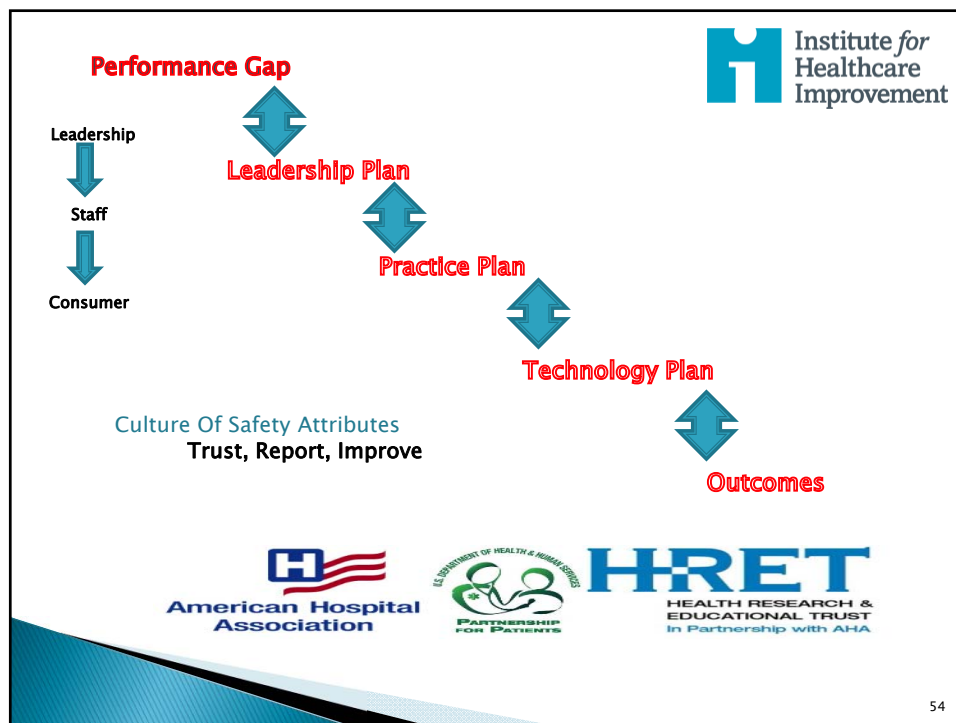
## Leadership Accountability

Hospitals are complex environments that depend on strong leadership to support an integrated patient safety system that includes the following:


- Safety culture
- Validated methods to improve processes and systems
- Standardized ways for interdisciplinary teams to communicate and collaborate
- Safely integrated technologies

In an integrated patient safety system, staff and leaders work together to eliminate complacency, promote collective mindfulness, treat each other with respect and compassion, and learn from their patient safety events, including close calls and other system failures that have not yet led to patient harm.

**“ CAN DO ATTITUDE”**





## Performance Improvement Tools




Define	Measure	Analyze	Improve	Control
<ul style="list-style-type: none"> <li>- Project Selection Tools</li> <li>- PIP Management Process</li> <li>- <b>Value Stream Map</b></li> <li>- Financial Analysis</li> <li>- Project Charter</li> <li>- Multi-Generational Plan</li> <li>- Stakeholder Analysis</li> <li>- Communication Plan</li> <li>- SIPOC Map</li> <li>- High-Level Process Map</li> <li>- <b>Non-Value-Added Analysis</b></li> <li>- VOC and Kano Analysis</li> <li>- QFD</li> <li>- RACI and Quad Charts</li> </ul>	<ul style="list-style-type: none"> <li>- Operational Definitions</li> <li>- Data Collection Plan</li> <li>- Pareto Chart</li> <li>- Histogram</li> <li>- Box Plot</li> <li>- Statistical Sampling</li> <li>- Measurement System Analysis</li> <li>- Control Charts</li> <li>- <b>Process Cycle Efficiency</b></li> <li>- <b>Process Sizing</b></li> <li>- Process Capability C&amp;C</li> </ul>	<ul style="list-style-type: none"> <li>- Pareto Charts</li> <li>- C&amp;E Matrix</li> <li>- Fishbone Diagrams</li> <li>- Brainstorming</li> <li>- Detailed "As-Is" Process Maps</li> <li>- Basic Statistical Tools</li> <li>- <b>Constraint Identification</b></li> <li>- <b>Time Trap Analysis</b></li> <li>- <b>Non-Value-Added Analysis</b></li> <li>- Hypothesis Testing</li> <li>- Confidence Intervals</li> <li>- FMEA</li> <li>- Simple &amp; Multiple Regression</li> <li>- ANOVA</li> <li>- <b>Queueing Theory</b></li> <li>- <b>Analytical Batch Sizing</b></li> </ul>	<ul style="list-style-type: none"> <li>- Brainstorming</li> <li>- Benchmarking</li> <li>- <b>TQM</b></li> <li>- <b>5S</b></li> <li>- <b>Line Balancing</b></li> <li>- <b>Process Flow Improvement</b></li> <li>- <b>Replenishment Pull</b></li> <li>- <b>Sales &amp; Operations Planning</b></li> <li>- <b>Setup Reduction</b></li> <li>- <b>Generic Pull</b></li> <li>- <b>Kaizen</b></li> <li>- <b>Poka-Yoke</b></li> <li>- FMEA</li> <li>- Hypothesis Testing</li> <li>- Solution Selection Matrix</li> <li>- "To-Be" Process Maps</li> <li>- Piloting and Simulation</li> </ul>	<ul style="list-style-type: none"> <li>- Control Charts</li> <li>- Standard Operating Procedures (SOPs)</li> <li>- Training Plan</li> <li>- Communication Plan</li> <li>- Implementation Plan</li> <li>- <b>Visual Process Control</b></li> <li>- <b>Mistake-Proofing</b></li> <li>- Process Control Plans</li> <li>- Project Commissioning</li> <li>- Project Replication</li> <li>- Plan-Do-Check-Act Cycle</li> </ul>

Evidence Based Practice/ Benchmark Data/ Outcomes  
Performance Improvement/ Enterprise Risk Management










## Transformational Cultural Change

- ▶ Strength in sharing knowledge and science
- ▶ Instilling Inspiration and confidence with a "can do" attitude.
- ▶ Role model actions of accountability
- ▶ Failures are the gift of learning



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## Resources and announcements

- Upcoming events
- Resources

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Network Opportunities

## Upcoming KHC Events

See Events Calendar at [www.khconline.org](http://www.khconline.org)

**Kansas HEN Webinar**

Wednesday, February 25, 2015  
10:00 to 11:00 a.m. CT


Topic:

**Patient and Family Engagement**  
*and*

**Introduction to the  
2015 Kansas HEN PFAC Collaborative  
starting this spring!**

On the CUSP: Stop HAI

## Upcoming National Events:



**February 10, 2015 • 11 am – 12 pm CT**  
**February National Content Call**  
*Successes and Lessons Learned from the Interdisciplinary Academy for Coaching and Teamwork (I-ACT)*  
 To join, dial 877-420-5657, passcode 28128  
 Webinar link:  
<https://www.conferenceamerica.com/webecho/GuestLogin.aspx?ConfRef=27619048&Pin=7313>

**February 11, 2015 • 12 – 1 pm CT**  
**Free Educational Webinar for Emergency Departments**  
*Implementation of TeamSTEPPS in a High Acuity Environment: A Multifaceted Approach in MetroHealth's Emergency Department*  
 There is no cost to participate, but space is limited. Advance registration is required. Link to register:  
<https://www.onlineregistrationcenter.com/register.asp?m=347&c=169&usc=february>

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Watch your email:



## CMS Survey of Participation in HEN Activities

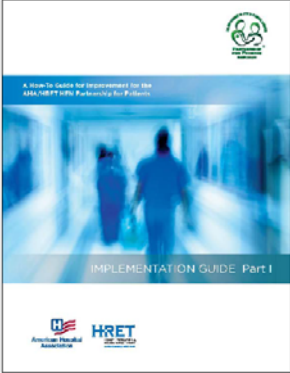
- Confidential web-based survey.
- Contains 11 questions.
- Will help CMS better understand how to support programs focused on patient safety.
- Need HEN hospitals' voices to be well-represented to CMS.
- Survey emailed to Kansas HEN Primary Contacts from Kristen Barrett with the PfP's Evaluation Contractor.

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Resources

## AHA/HRET Implementation Guide A How-To Guide for Improvement

- Part 1:
  - Quality and Patient Safety
  - Performance Improvement
  - Communication and Engagement
- Part 2:
  - Facilitating Successfully
  - Coaching for Improvement
  - Spread
  - Harm Across the Board
  - High Reliability Organizations
  - Sustainability
  - Measurement and Data
  - Electronic Healthcare Records
  - Data Analysis



Visit [www.hret-hen.org](http://www.hret-hen.org). Click on Resources/Quality Improvement drop-down menu.

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Kansas HEN  
Educational Archive

## 2014 Kansas HEN Webinar Review

**January 22**

- Introduce 2014 HEN Program, Priorities and Work Plan

**February 26**

- Adverse Drug Events (ADE) and obstetrical (OB) harm
- Introduce new sub-topics and measures for ADE warfarin and glycemic control, OB hemorrhage

**March 26**

- Focus on infection prevention
- Introduction to new CAUTI E.D. measure

**April 23**

- Preventable readmissions (follow-up to Readmissions Workshop)

**May 28**

- OB preeclampsia prevention, introduction of new HEN measures for birthing hospitals

**June 25**

- Engaging your hospital board of trustees in quality and patient safety

**July 30**

- Adverse Drug Event data strategies

**August 27**

- Fall prevention

**October 22**

- Hot topics in infection prevention

**November 19**

- Kansas Quality Improvement Partnership (KQIP)
- What's ahead for 2015

Access recordings and handouts at [www.khconline.org](http://www.khconline.org)  
See General Education Archive.

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www.khconline.org

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Discussion

## Q&A / Discussion



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