

Ohio Children's Hospitals Solutions for Pt. Safety (OCHSPS)

Overview for Texas Children's Hospitals

November 22, 2010

Solutions for
Patient Safety
Every patient. Every day.



8 Children's Hospitals Working Together

- Shared aspiration of making Ohio the safest place in the nation for Children's health care
- Innovative & strategic approach to building a State-Wide Pediatric Collaborative Improvement Model
- Transparency of Data: each hospital's willingness to share successes and failures in order to improve healthcare in Ohio for children



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Initial OCHSPS Goals

By June 2010...

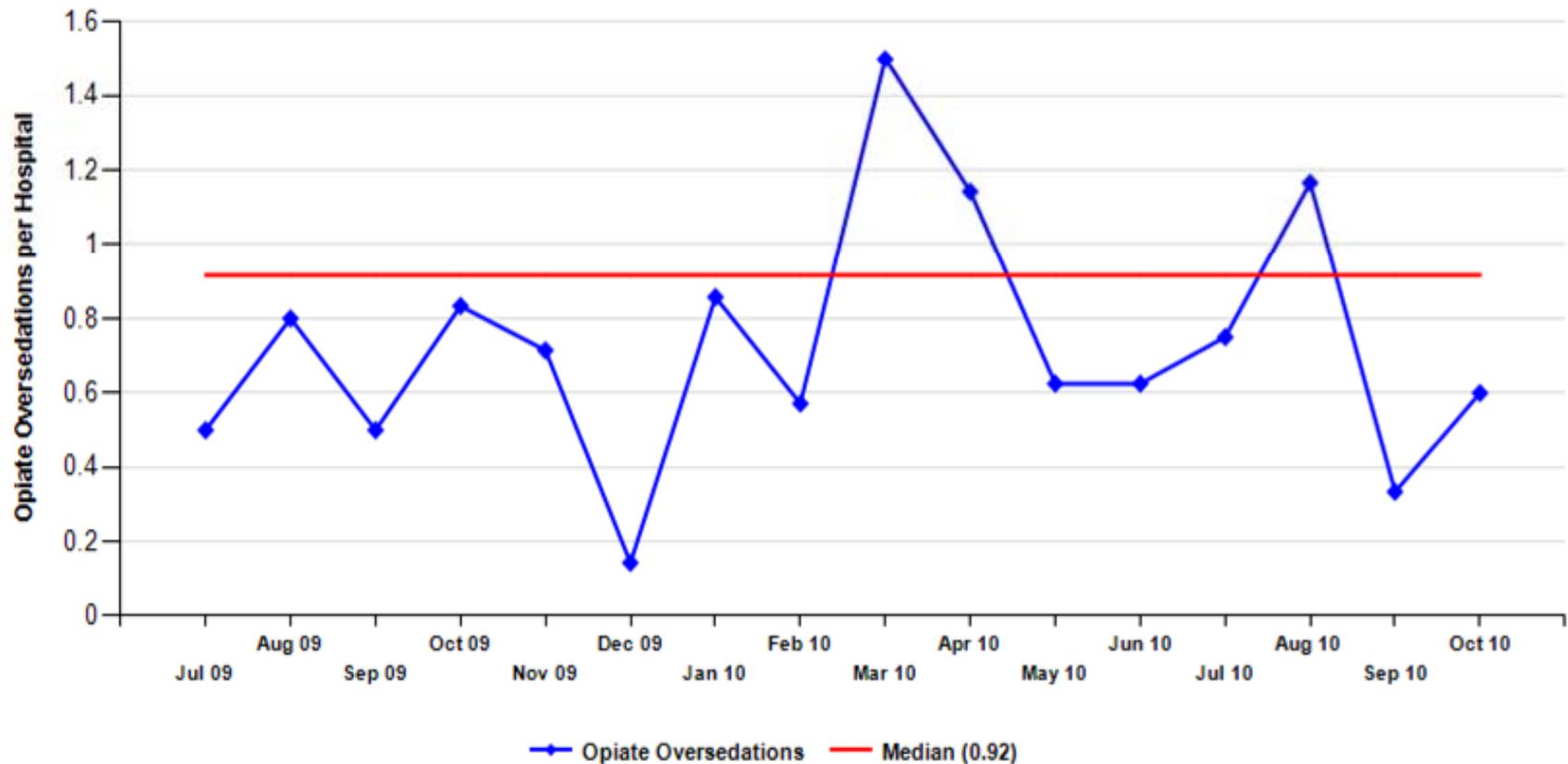
- **Reduce overall ADEs by 33%**
- **Reduce SSIs in designated Cardio, Neurosurgery and Ortho Procedures by 50%**

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Opiate Oversedation Events

(Rate per Hospital)



	Jul 09	Aug 09	Sep 09	Oct 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10	Apr 10	May 10	Jun 10	Jul 10	Aug 10	Sep 10	Oct 10
Oversedations	2	4	3	5	5	1	6	4	12	8	5	5	6	7	2	3
Hospitals	4	5	6	6	7	7	7	7	8	7	8	8	8	6	6	5

ADE Sustainability Goals

SUSTAINABILITY AIM

OCHSPS Adverse
Drug Events (ADE)
Collaborative will:

SUSTAIN Rate of
13.4 ADE's per 1000
Patient Days without
any Special Cause

SUSTAIN Rate of 4.0
Constipation Events
per 1000 Patient Days
without Special Cause

SUSTAIN Rate of 0.8
Naloxone Events per
Hospital without
Special Cause

through 6/30/11.

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Med Safety Accomplishments

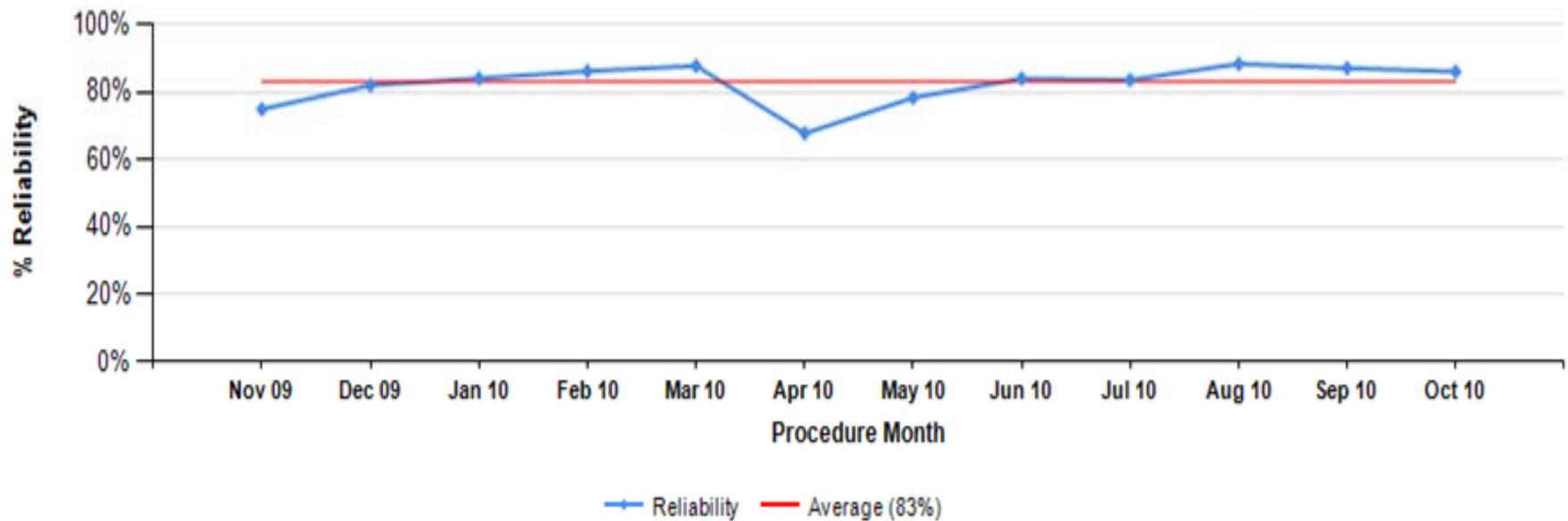
- Outcome Measure Goal *ACHIEVED!* Systemic improvements by all 8 hospitals have reduced our Overall ADE Rate by 34.5%
- Average cost of \$380,000 per month; cost avoidance of \$3MM per year and estimated 3552 less children harmed in year.
- Established State-Wide PCA Order Sets
- Sharing “best practices” regarding designing electronic medical records
- Cleveland Clinics Order Sets re: Constipation
- Parent sharing at Learning Sessions
- 20 Chart Trigger Tool Methodology embedded across all 8 hospitals



Cases with Correct Re-Dosing of Antibiotic Timing

Collaborative Reliability

All 8 Ohio Childrens Hospitals



	11/09	12/09	01/10	02/10	03/10	04/10	05/10	06/10	07/10	08/10	09/10	10/10
Reliability	75%	82%	84%	86%	88%	68%	78%	84%	84%	88%	87%	86%
Cases	32	39	44	29	41	28	37	69	55	43	31	36
Hospitals	8	7	7									

SSI Sustainability Goals

OCHSPS Surgical Site Infection (SSI) Collaborative will:

- **SUSTAIN** its Rate of 1.7 SSI's per 100 Cases without any Special Cause
- **SUSTAIN** its % of Reliability with Initial Antibiotic Timing at 97% per 100 Cases without Special Cause
- **SUSTAIN** its % of Reliability with Re-Dosing of Antibiotic Timing at 83% per 100 Cases without Special Cause

for designated Cardio, Ortho, & Primary Neuro Procedures through 6/30/11.

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SSI Accomplishments

- Outcome Measure Goal *ACHIEVED!* Systemic improvements by all 8 hospitals have reduced our Overall SSI Rate by 60%
- Aligning with state reporting measures
- Controversies around chlorhexidine
- Conference calls
- Sharing re: best practices
- Agreed upon state-wide basic care bundle
- Cost Avoidance – Nearly $\frac{3}{4}$ million dollars
- Broader sharing – Abstract/Manuscript
- Setting our sights even higher



31 fewer children
suffered SSIs in the last
12 months
due to our efforts

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Next Step - Serious Safety Events



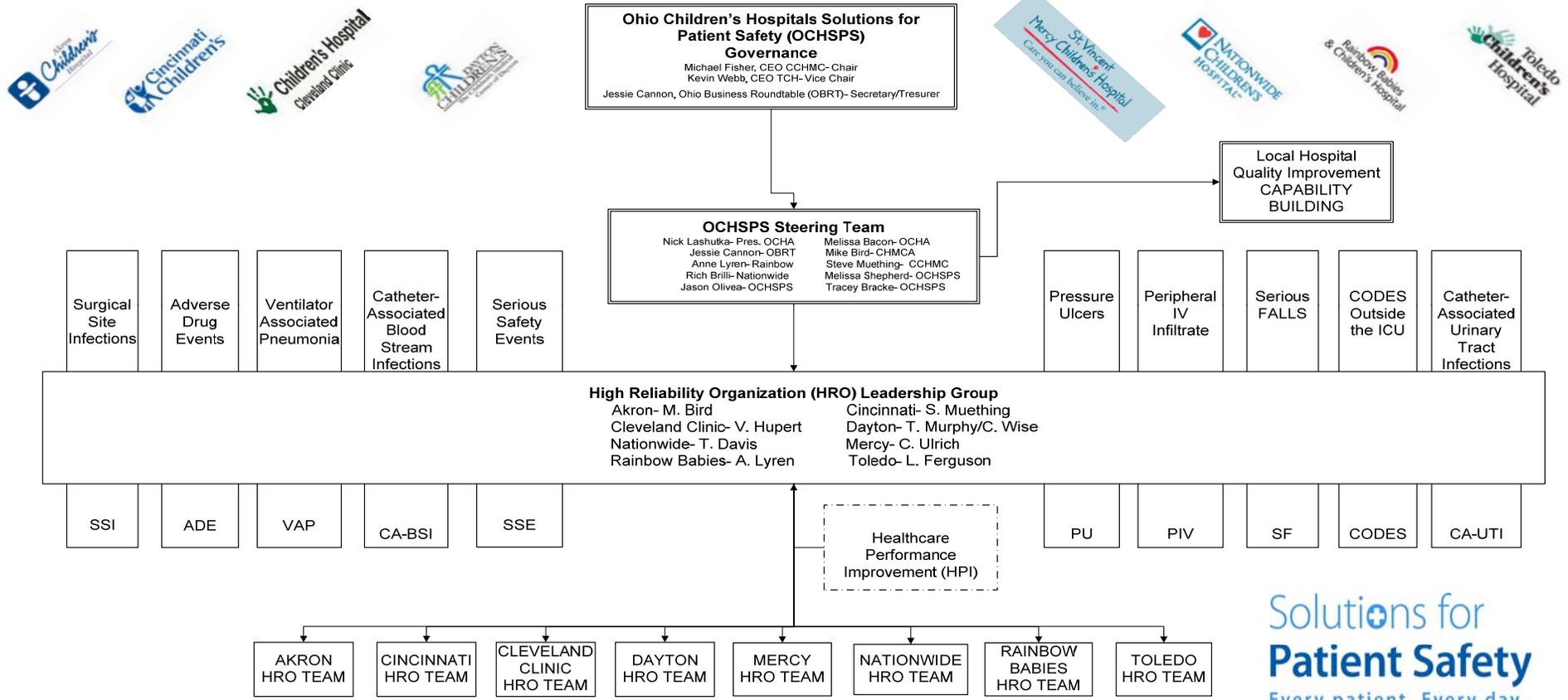
*Approximately 50 Children
Per Year in the
8 Ohio Children's Hospitals are
affected by Serious Safety Events!*

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Building High Reliability Organizational Culture

Ohio Children's Hospitals Solutions for Patient Safety (OCHSPS)
Eliminating Serious Harm
Learning Network & High Reliability Organizational Structure



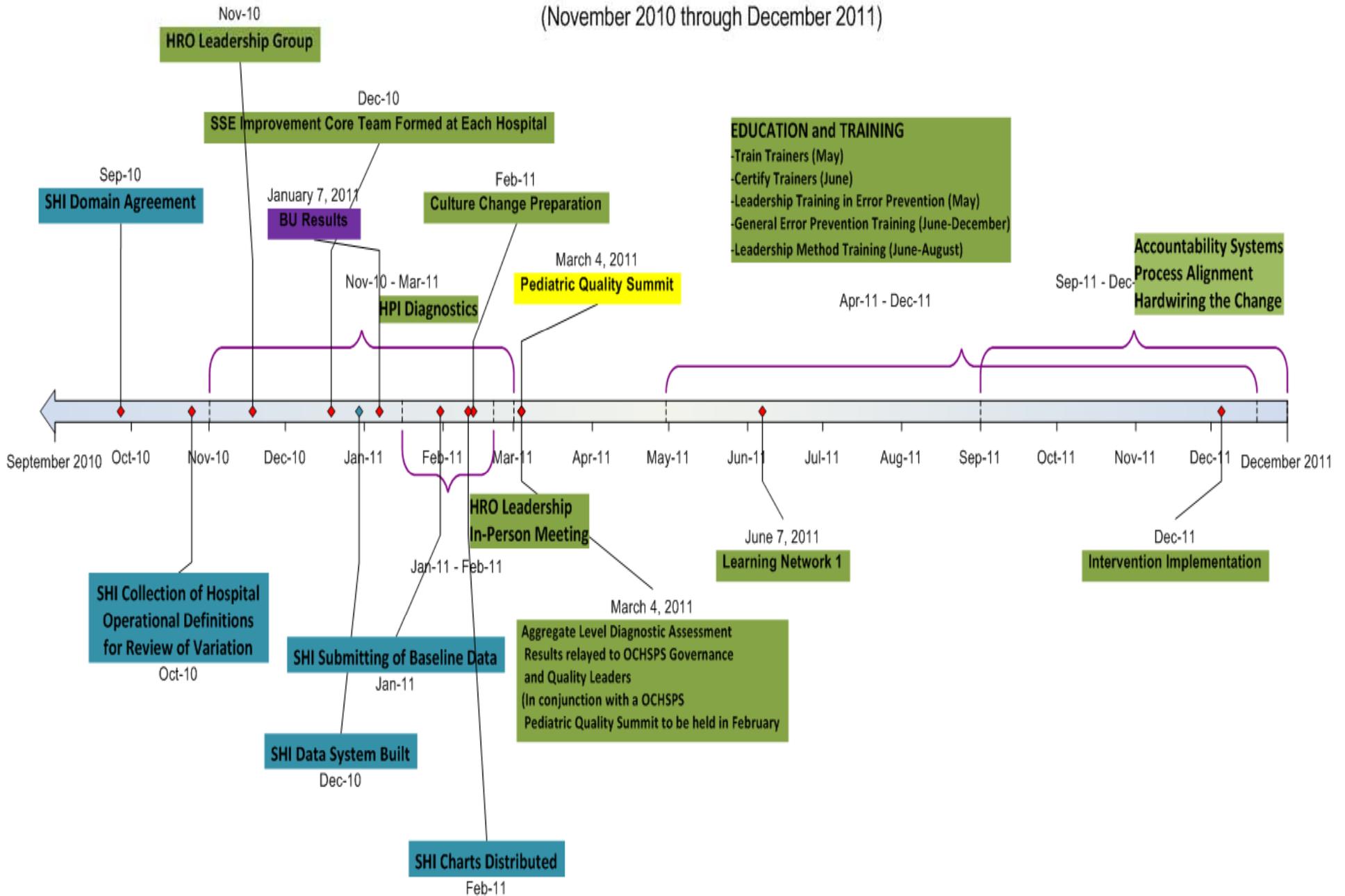
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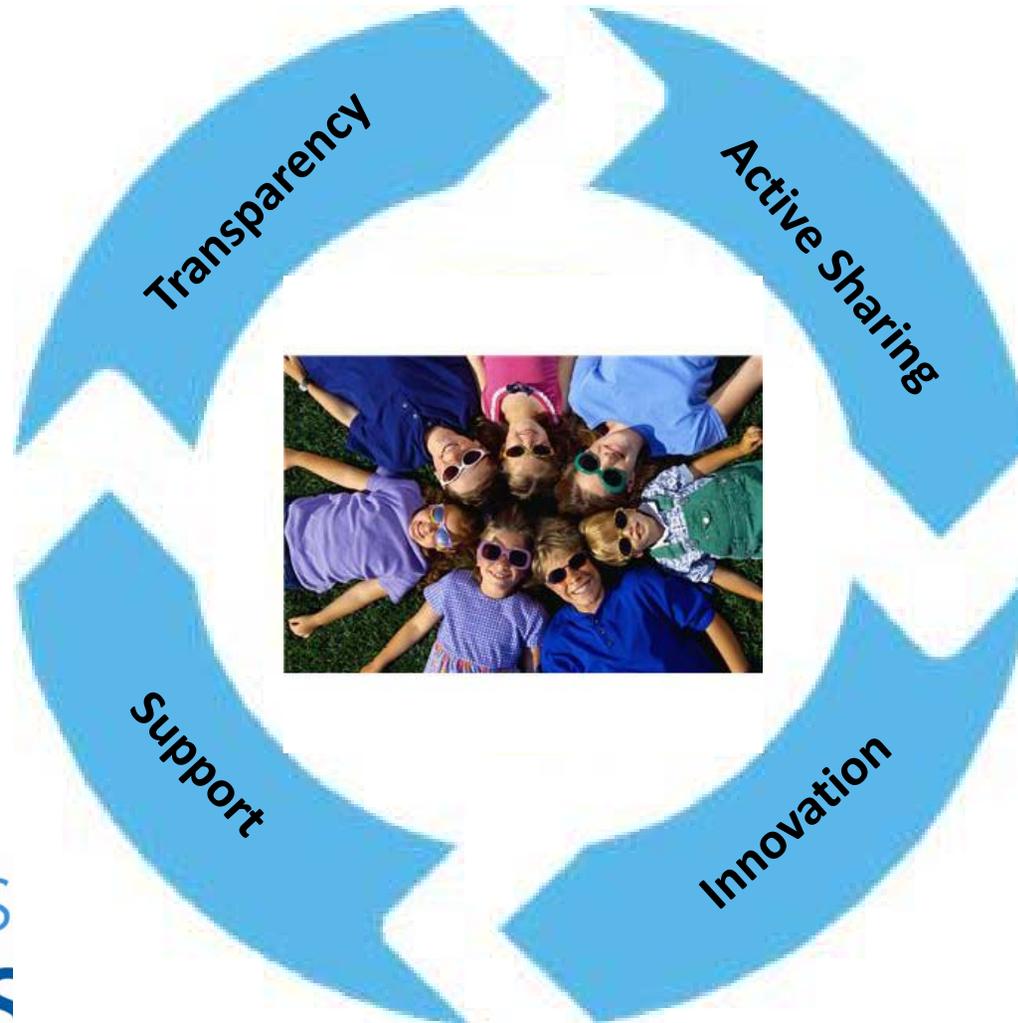
Eliminating Serious Harm High Level Timeline / Milestones

(November 2010 through December 2011)



OCHSPS

Learning Network Principles



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High Reliability Culture (Mindfulness) Principles....



- *Preoccupation with failure*
- *Reluctance to simplify*
- *Sensitivity to operations*
- *Commitment to resilience*
- *Deference to expertise*

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- Managing the Unexpected,
Weick & Sutcliffe





Serious Safety Events per 10,000 Adj. Patient Days Rolling 12-Month Average

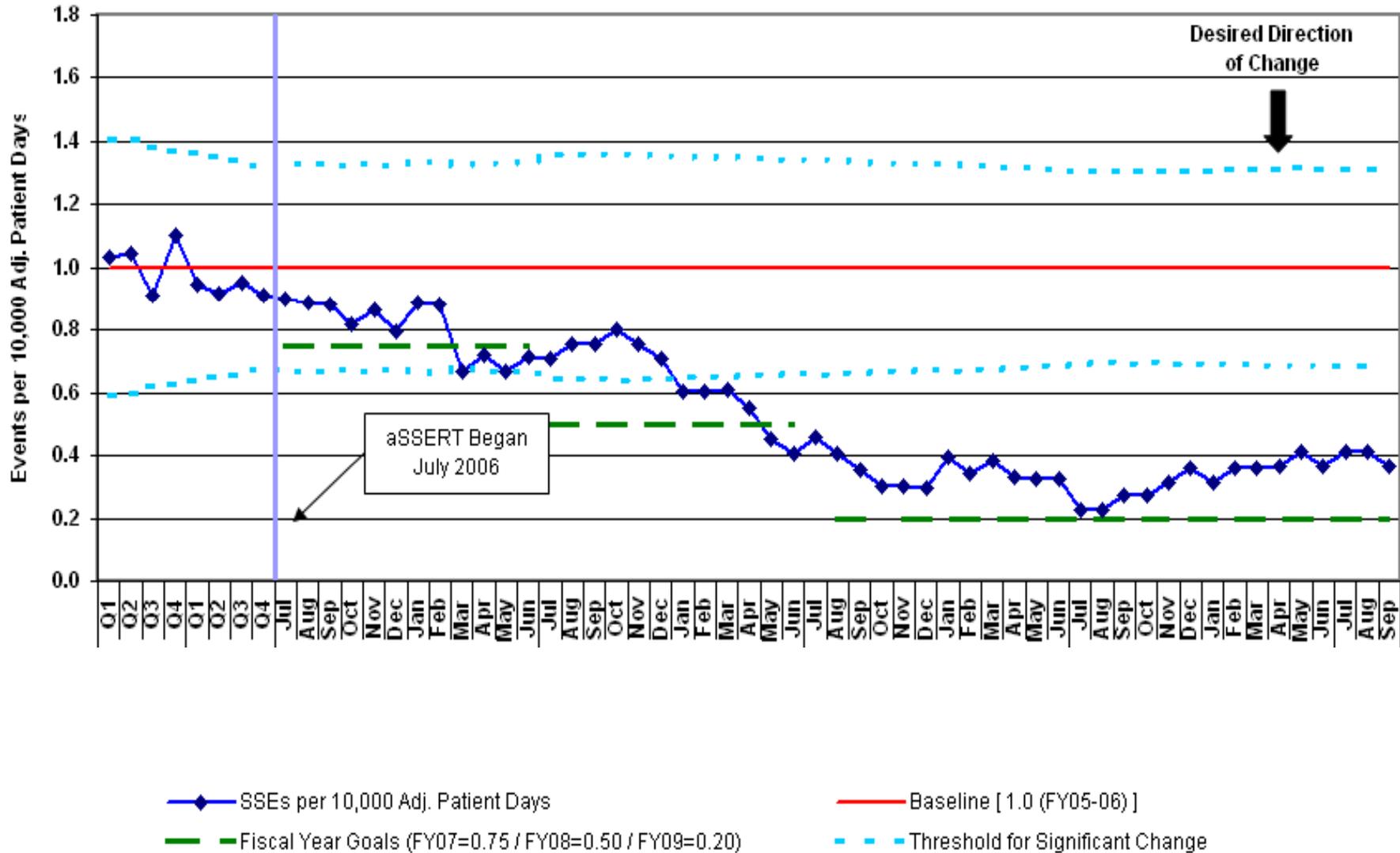
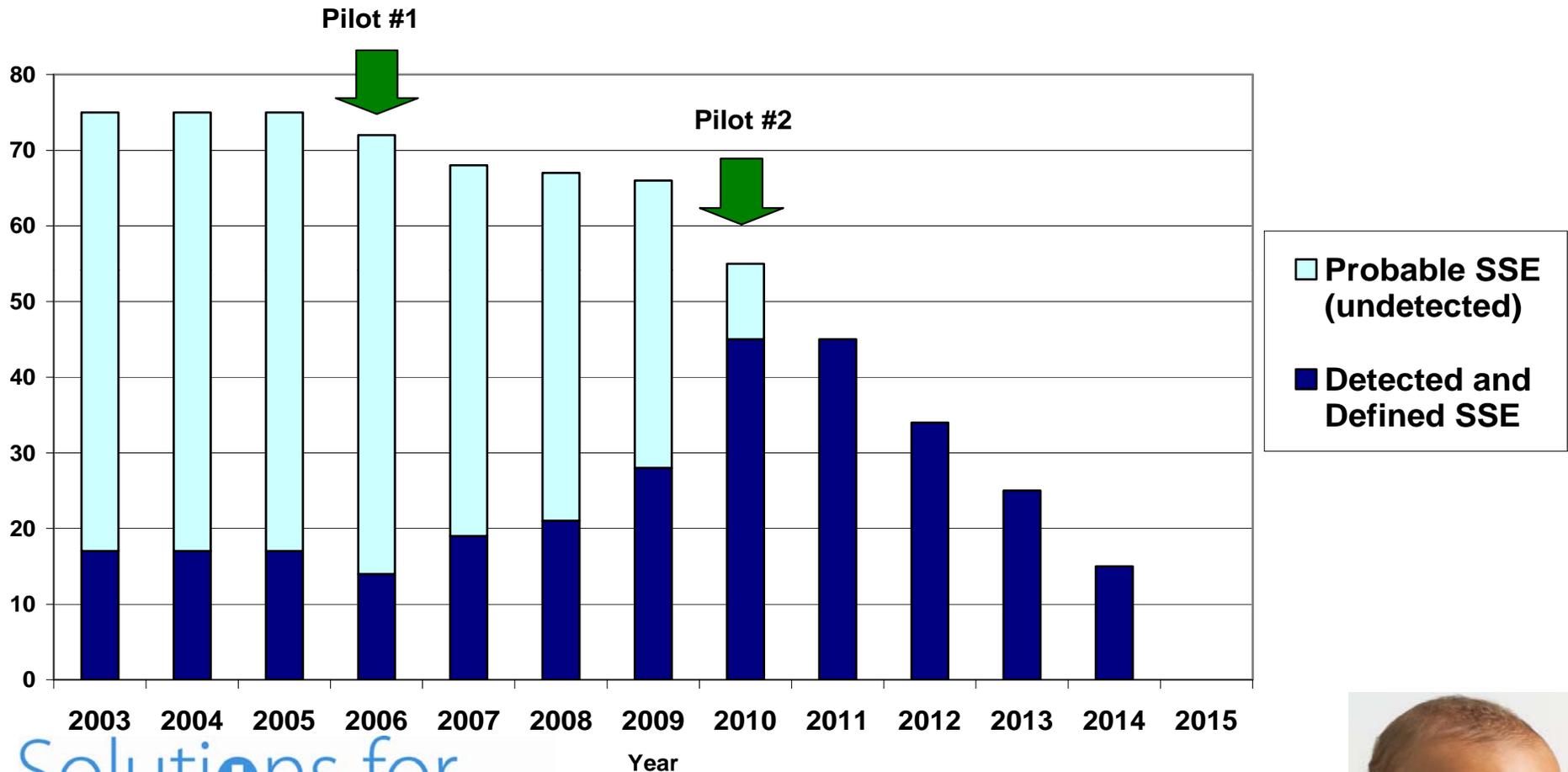


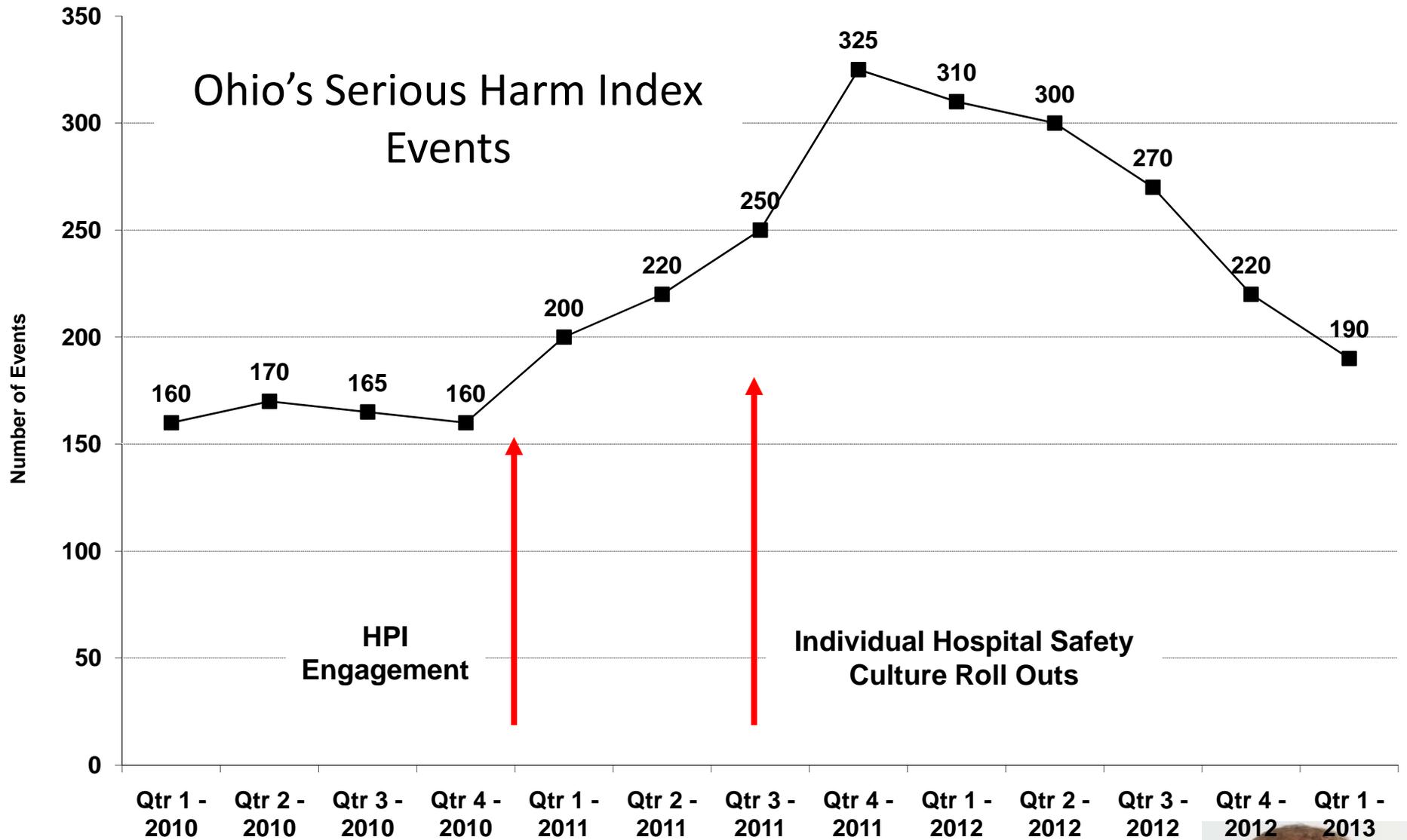
Chart Updated Through 30Sep10 by Tracey Bracke, Anderson Center for Health Systems Excellence.

Serious Safety Event Reduction across 8 Ohio Children's Hospitals



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Q & A

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