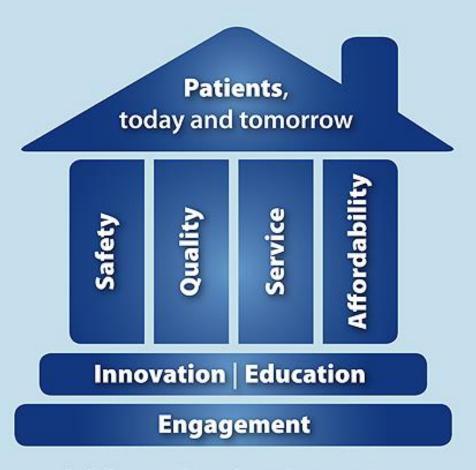


OHSU Performance Excellence

Learning Objectives

- Overview of OHSU Performance Excellence (OPEx) system
- Application of OPEx to a quality improvement project
- Using Daily Management Systems (DMS) creating cultural change in the MICU





Building excellence from the ground up.

Faculty and staff–their skills, focus and dedication–are the foundation of change.

Learning and experimentation drives improvement; the health and well-being of our patients is balanced on the work we do to achieve the Triple Aim. Together with our purpose and philosophy statements, these are the building blocks of OHSU's performance improvement efforts.

Our purpose is to excel in healing, teaching and discovery.

- Value is defined by our patients.
- To excel in creating value, we must constantly improve.
- Improvement depends on standards and thoughtful innovation.
- Standards require doing the same work the same way every time.
- Innovation comes from planning, experimenting and observing.
- Problems are opportunities: The only failure is not trying to improve.
- For all of us to excel, each of us must learn, teach and lead.





OPEX-OHSU Performance Excellence

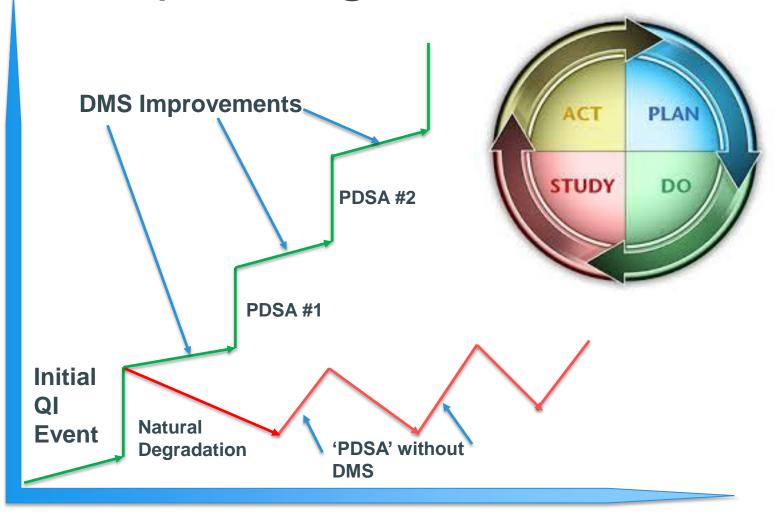


OPEx is a set of Methods,
 Management Systems and Mindset
 (Culture) used by OHSU Healthcare
 to achieve outcomes in a systematic
 way

Based on Lean principles that maximize value for patients through Continuous Improvement and Respect for People



Daily Management System







Problem Statement: Challenge

 CAUTI rates were above the national average at 4.99 per 1000 patient catheter days

• 1.5 years of collecting data on CAUTI Bundle with minimal improvement

Goal to reduce CAUTIs by 50%



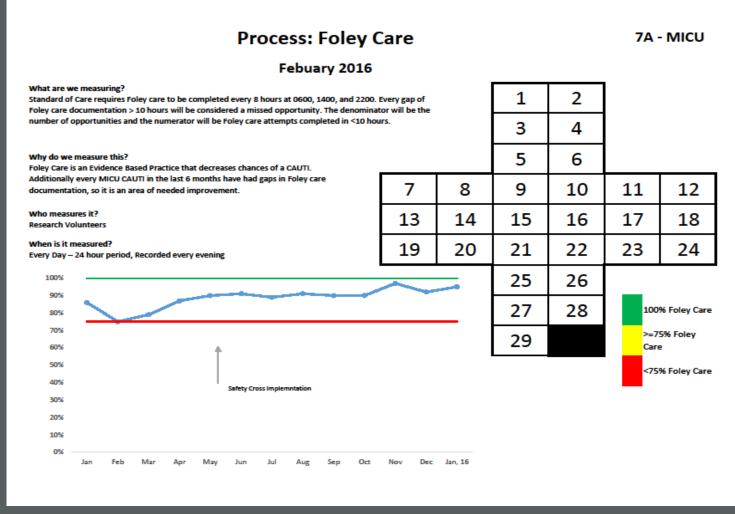
Target Condition

- CAUTI Debrief Identified gap in Foley care
- Standard of Care requires Foley care to be complete every 8 hours. Every gap of Foley care documentation > 10 hours will be considered a missed opportunity
- **Target Condition**: 100% successful completion of Foley care (≤ 10 hours between documented care)





Process Metric







The Who and How

 Critical Care Academic Associates Program (CCAAP) volunteers formalized a process to gather data

- Process metric discussions were incorporated in the Charge Nurse Standard Work (SW) and daily readiness huddle
- Comprehensive Unit-Based Safety Program (CUSP)



PDSA Improvement



- Research Volunteers to notify Charge RN with gaps in Foley care
- Charge RN notification of bedside RN
- Charge RN making Vocera reminders Q8
- Visual management changes to include trended information
- Reassess frequently missed Foley care (0600)



| Charge RN Leader Standard Work | | | | | |
|---|----------|----------------|----------------|--|--|
| Legend: ✓ = done X = not done | Day | light Barriers | | | |
| Meet with fellow @ 0710 AND 1910 | | | | | |
| Update electronic census board | | | | | |
| Complete daily sheet (beginning of shift) | | | | | |
| Interdisciplinary Rounds @ 0830 (Wednesday) | | | | | |
| Sparks (by 1000, 1500, 0300) | | | | | |
| Fax report sheet to bed control, 14C, & 5C | | | | | |
| Check in with CPRN about rooms & equipment | | | | | |
| Daily readiness huddle @ 0830 | | | | | |
| Update Inpatient Capacity Dashboard (by 0840) | | | | | |
| Fire safety walk | | | | | |
| Check in with patient/family/room | | | | | |
| Improvement Rounds @ 1500 (Tuesday) | | | | | |
| Foley Care in-person checkin (0600, 1400, 2200) | | | | | |
| Update tracking binder | | | | | |
| Update daily sheet (end of shift) | | | | | |
| Wound Photography (Tuesday) | | | | | |
| Verification of omnicell count (Tuesday) | | | | | |
| Valve changes (Monday/Friday) | | | | | |
| Discrepancy reports | | | | | |
| Medication waste reports | | | | | |
| Make Comp/Cancellation calls (0500 and 1700) | | | | | |
| Update MESSES on board | | | | | |
| Start new Charge RN Standard Work | | | | | |
| NO | TEC E | NEVTCHIET | | | |
| NC | IES FO | R NEXT SHIFT | | | |
| | | | | | |
| AY - UNIT COMPS CLUSTER COMPS | <u> </u> | OT | HER RESOURCES | | |
| GHT - UNIT COMPS CLUSTER COM | | | THER RESOURCES | | |
| ONGOING ISSUES FOR CARRY-OVER FOR SEVERAL DAYS | | | | | |

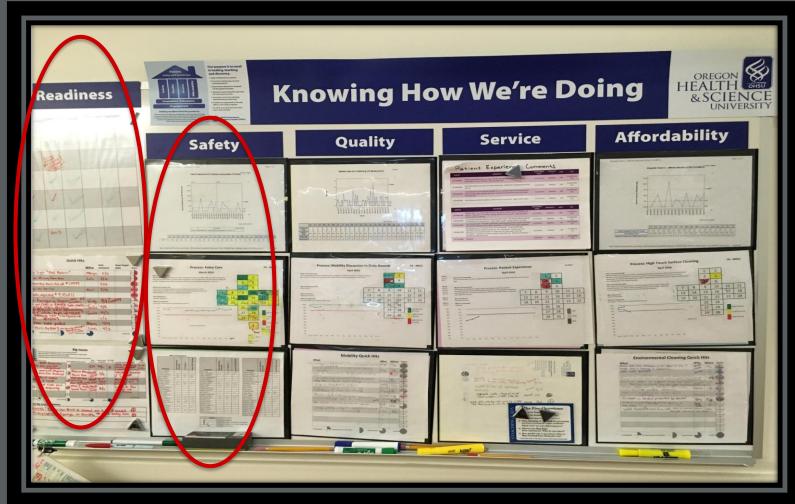


| Job/Role: Leadership | Process: Charge/Leadership Huddle | | |
|---|-----------------------------------|--|--|
| Department: MICU | Owner: | | |
| Job Aids: | Equipment/Supplies: | | |
| Notes: To occur at 0830 at the unit census and MESSES Board | | | |

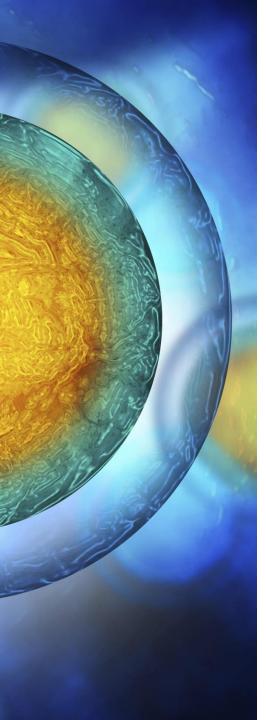
| Major Step – "What" | | Key Points — "How" | Reasons – "Why" |
|---------------------|---|--|--|
| 1. | Patient Flow | 1.1. Verbally discuss the following information at the census board 1.1.1. Patient census 1.1.2. Expected admits and admit capability 1.1.3. Patients who can transfer/discharge today 1.1.4. Expected Procedures/diagnostics or other things that may affect flow 1.1.5. Anticipated barriers | Optimize patient flow Allow for early problem solving |
| 2. | MESSES | 2.1. Review MESSES for the day at the MESSES board. 2.2. Create any needed Quick Hits or Big Issues and document what, who, and when 2.2.1. Provide work order #'s when for all requested work from facilities 2.3. Escalate appropriate issues to Tier 3 huddle | Resolve or escalate potential issues or barriers to readiness in real time+ Transparency and accountability |
| 3. | Quick Hits and Big Issues | 3.1. Go through all quick hits that have not been completed 3.1.1. Identify step in progress, barriers to completion and when completion is expected of the quick hit 3.1.2. If pending longer than 1 week move to big issues or if necessary escalate to Tier 3 huddle 3.2. Review Big Issues every Wednesday for progress, barriers and expected completion | Transparency with current status on completion of work Resolve or escalate issues or barriers |
| 4. | Review Daily Management Systems – Topic of the Week | 4.1. Review current metric of the week4.1.1. How did we perform on the last shift4.1.2. Suggestions made for next shift | To support ongoing improvements and problem solving |
| 5. | Integrated Teamwork and Healthy Work Environment | 5.1. "What do you need from me to improve the shift today?"5.2. "What is going well today for us to celebrate?" | Promote collaboration and a healthy work environment |



Daily Readiness and Weekly Improvement Huddles







Outcomes

- Completion of Foley care remained above 75% post implementation with an average of 91%
- Reduction in maximum time between recorded Foley care events from 22 hours to 13.5 hours
- Reduction in CAUTI rate from 4.99 (Sept 2014 April 2015) to 1.73 (May 2015 Dec 2015)
- Enculturation of standard Foley care expectations on the unit

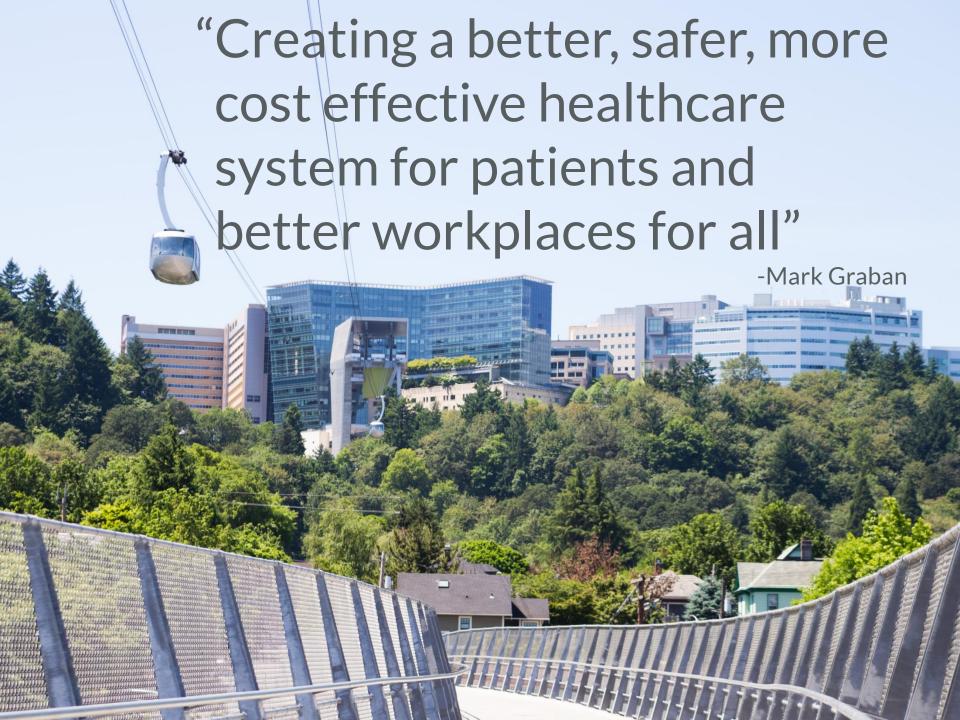


Next Step



- Discontinuation algorithm
- Identified need for standard
 Foley care standard work and products
- Urine culture standard work
- Sustainability







Thank You