Presentations

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Safe Baby

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Safe Baby

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Acknowledgements

- 4 Henson Directors
  - April Assee MSN, RN, CPHON
  - Jenny Marsh MSN, RN, CPON

- 5 Sutherland Directors
  - Kelli Rafols MSN, MBA, RN, CPN
  - Janette Rowe MSN, RN, CPEN

- 5 Sutherland Quality Improvement Coordinator
  - Mary Copeland BSN, RN, CPN

- 4 Henson and 5 Sutherland Staff
There were about 3500 deaths due to Sudden Unexpected Infant Deaths (SUID) reported in the US in 2014.

Safe to Sleep includes: (a) provide a firm mattress, (b) remove pillow, blankets, and crib bumpers, (c) remove soft objects like soft toys and loose blanket out of infant’s sleep area, (d) nothing should cover the infants head, (e) avoid over-heating the infant, and (f) do not co-sleep.

In 2016, the American Academy of Pediatrics (AAP) released an updated policy statement and technical report expanding their recommendations on safe sleep environments for infants.

Children’s Mercy’s policy on Safe to Sleep echoes the AAP (2011) policy and the Safe to Sleep campaign. Safe to Sleep has been implemented throughout the organization previously with positive results and improvement in compliance rates. It is important for continued safe to sleep compliance as a model for proper care for when babies go home and to ensure the best care possible.
PICO Question & Aim Statement

**PICO Question** (Population, Intervention, Comparison, Outcome)

**P:** 4 Henson and 5 Sutherland patients who qualify for Safe Sleep Practices according to the Safe Sleep Policy.

**I:** Creating a useable checklist to be completed with each infant and each shift change.

**C:** Current standard of care

**O:** Increased compliance with safe to sleep practices

**Aim Statement**

The objective of this evidence based practice project is to increase Safe Sleep compliance from 50% to 65% on 4 Henson and 5 Sutherland by February 1, 2018.
Strategic Goal Alignment

- **Demonstrate Quality Outcomes**
  Demonstrate quality, safety and clinical effectiveness.

- **Improve Performance**
  Improve processes, increase capacity for innovation and service excellence, and strengthen our financial position.

- **Strengthen Market Position**
  Strengthen Children’s Mercy’s market position in the Metro area, region, and beyond.

- **Deliver Value**
  Deliver value, expertise, and efficiency through an integrated pediatric health system.

- **Elevate Academic Profile**
  Enhance the research capabilities and accomplishments of CMH and strengthen the quality of the educational experiences.

*Children’s Mercy Kansas City*
Strategic Goals (cont.)

- Demonstrate Quality Outcomes:
  - Improve safety of our patients

- Improve Performance:
  - Increase the education of staff and families on Safe to Sleep.
<p>| | |</p>
<table>
<thead>
<tr>
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</table>
| **Plan** | PDSA Cycle 1  
Increase awareness of safe sleep practices and track compliance with them. |
| **Do** | Provide a checklist during admission of patients under one and keep at the bedside to be filled out by the oncoming nurse during bedside report. |
| **Study** | Evaluate the number of compliant patients and common barriers to safe sleep at the beginning of each shift. |
| **Act** | Abandon the change |
PDSA Implemented

Safe to Sleep Checklist

- Side rails up
- Flat bed
- Educate if needed
- Baby on back
- All is clear (everything is out of the bed)
- Always check
- Before you leave

Please sign and date when these are checked at shift change (oncoming nurse signs) and list any barriers present. When filled please return to ______ mailbox.

<table>
<thead>
<tr>
<th>Date</th>
<th>Days</th>
<th>Compliant (Y/N)</th>
<th>Nights</th>
<th>Compliant (Y/N)</th>
</tr>
</thead>
<tbody>
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Harrier noted:
1. Plan: PDSA Cycle 2  
Educate staff at unit updates on safe to sleep policy and barriers noted from October 1st to February 1st.

2. Do  
Put together a powerpoint on statistics, safe to sleep policies, and common barriers seen on data collection.

3. Study  
Evaluate redcap survey data post education and compare it to prior data.

4. Act  
Abandon the change
### PDSA NUMBER 3

<table>
<thead>
<tr>
<th>1. Plan: PDSA Cycle 3</th>
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<tbody>
<tr>
<td>Increase awareness of safe sleep practices through a hospital wide screen saver.</td>
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<tr>
<td>2. Do</td>
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<td>Contact information systems regarding process for adding a screen saver.</td>
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<tr>
<td>3. Study</td>
</tr>
<tr>
<td>Evaluate redcap survey data after the screen saver has been approved and shown.</td>
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<td>4. Act</td>
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<td>Accept, adapt, or abandon the change.</td>
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Project Outcomes

Safe Sleep on 5 Sutherland and 4 Henson

Percent of Patients Safe to Sleep

<table>
<thead>
<tr>
<th>Months Studied</th>
<th>Jan-17</th>
<th>Feb-17</th>
<th>Mar-17</th>
<th>Apr-17</th>
<th>May-17</th>
<th>Jun-17</th>
<th>Jul-17</th>
<th>Aug-17</th>
<th>Sep-17</th>
<th>Oct-17</th>
<th>Nov-17</th>
<th>Dec-17</th>
<th>Jan-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to intervention</td>
<td>44%</td>
<td>45%</td>
<td>40%</td>
<td>39%</td>
<td>38%</td>
<td>66%</td>
<td>70%</td>
<td>71%</td>
<td>72%</td>
<td>48%</td>
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<tr>
<td>After intervention</td>
<td>50%</td>
<td>44%</td>
<td>45%</td>
<td>40%</td>
<td>39%</td>
<td>66%</td>
<td>70%</td>
<td>71%</td>
<td>72%</td>
<td>48%</td>
<td>50%</td>
<td>49%</td>
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<tr>
<td>Mean</td>
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Children's Mercy
Kansas City
Project Outcomes

Barriers to Safe Sleep

- Co-sleeps: 8 prior, 0 after
- HOB elevated w/o order: 0 prior, 1 after
- Nested: 0 prior, 1 after
- Supplies in bed: 5 prior, 0 after
- Toys in bed: 39 prior, 9 after
- Extra Blankets: 45 prior, 23 after

Prior to intervention vs. After intervention
Barriers to Safe Sleep

- Previously acquired family routines for sleep
- Cultural barriers
- Staff compliance with Safe to Sleep policy
- Long term patients
Barriers to Data Collection

- Lack of buy-in by staff on the units (staff non compliance / not filling out checklists)
- Focus on new CMS interventions
- Unit patient population (lack of infants)
Lessons Learned

- Unit based QI initiatives are difficult to implement due to our barriers and large number of staff members to inform.
- Due to the redundancy of this project topic, it was difficult to implement a new intervention. Because of the previous interventions, staff became confused about which intervention to implement.
Pediatric Nursing Implications

- Safe to Sleep was implemented to raise awareness of staff and families on the best practices to prevent SUID (Sudden Unexpected Infant Death). Which include SIDS, unknown cause, and accidental suffocation and strangulation.
Conclusions

- Data collected throughout implementation of the PDSA cycles indicated that there were several barriers to ensuring Safe Sleep practices for all infants on both inpatient units. These were due to blankets in the crib, parents co-sleeping, and babies being nested. Some of our barriers to data collection were previously acquired family routines for sleep, cultural barriers, and lack of buy-in by staff on the units (not filling out checklists). Due to all of these barriers, it was difficult to determine if any real improvement was made due to these interventions.


References


Questions

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