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Use of the Georgie Pediatric Gown to Improve Compliance to the Safe Sleep Bundle

Stephanie Adam RN

Trish Fontaine RN

Jennifer Gardner

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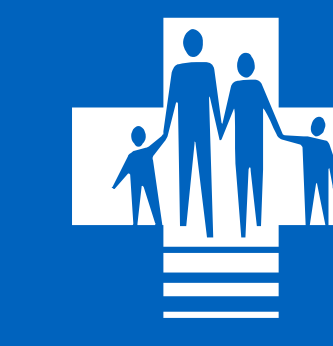
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Use of the Georgie™ Pediatric Gown to Improve Compliance to the Safe Sleep Bundle

Stephanie Adam, RN; Trish Fontaine, RN; Jennifer Gardner, EVS; Kristy Parker, RN; Shannon Rowland, RN; Mary Ann Westcott, RN;

Michelle Whitney, RN

Baystate Medical Center, Springfield, MA



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Background

- At Baystate Children's Hospital (BCH), hospitalized infants and children 2 years and younger are often clothed in hospital-issued T-shirts with snaps.
- The current hospital attire does not provide adequate warmth, resulting in staff and families applying blankets, which is not in compliance with the Safe Sleep Bundle for infants ≤ 1 year of age.
- A sample of 114 babies in the Pediatric Intensive Care Unit (PICU) and the Children's and Adolescent Unit (CHAD) from July to September 2023 showed a Safe Sleep bundle compliance rate of 94%.
- Our hypothesis is, that because the Georgie™ provides better coverage and warmth, additional blankets will not be needed and compliance with our Safe Sleep Bundle will be improved.
- The Georgie™ pediatric gown was developed to cover more surface area with the possibility to keep babies warmer without additional blankets.
- It is unknown how The Georgie™ pediatric gown influences compliance rates to the safe sleep bundle.



Purpose

The purpose of this quality improvement project is to adopt the use of the Georgie™ pediatric gown in children ≤ 1 year of age and increase compliance with the safe sleep bundle during hospitalization.

Goals/Objectives

- Goal 1: Implement the use of the Georgie™ pediatric gown in patients ≤ 1 year of age in PICU and CHAD.
- Goal 2: Audit compliance to the safe sleep bundle over three months, (pre and post implementation) with attention to adherence of the safe sleep bundle elements and highlighting bedding use in cribs.

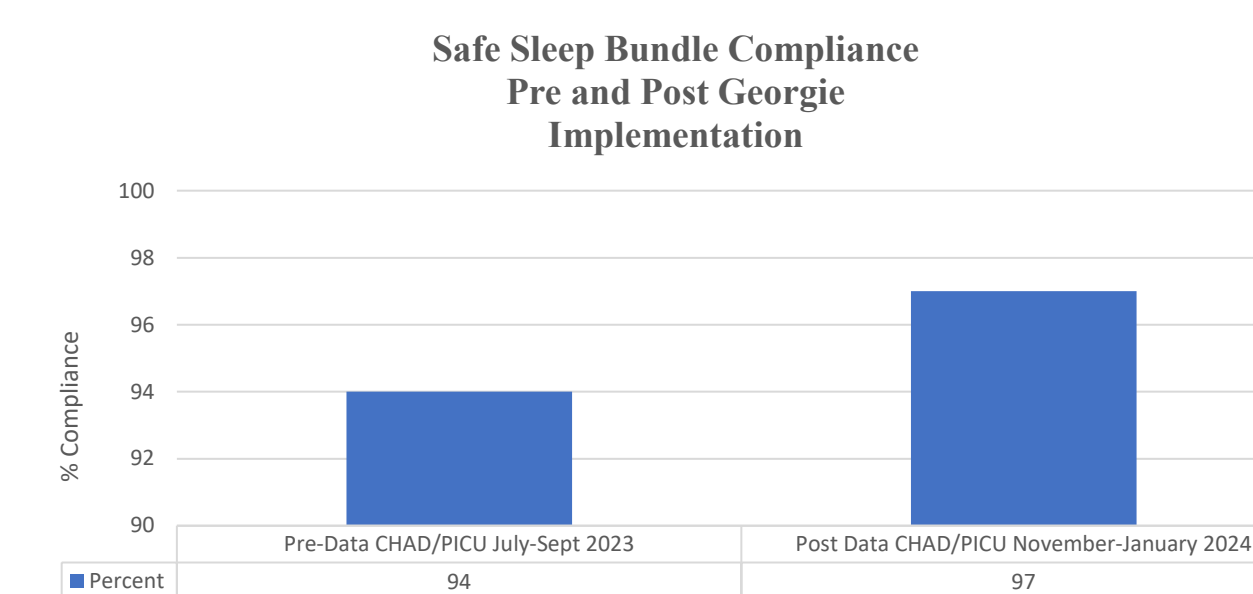
Methodology

- A Safe Sleep Audit Card was created and used to collect data on compliance to the safe sleep bundle. The format of this card was based on Kamishibai (K) cards.
- Descriptive data on compliance to the safe sleep bundle (PICU and CHAD) was collected on babies ≤ 1 year of age, pre and post implementation of the Georgie™ gown and then compared over a period of three months.

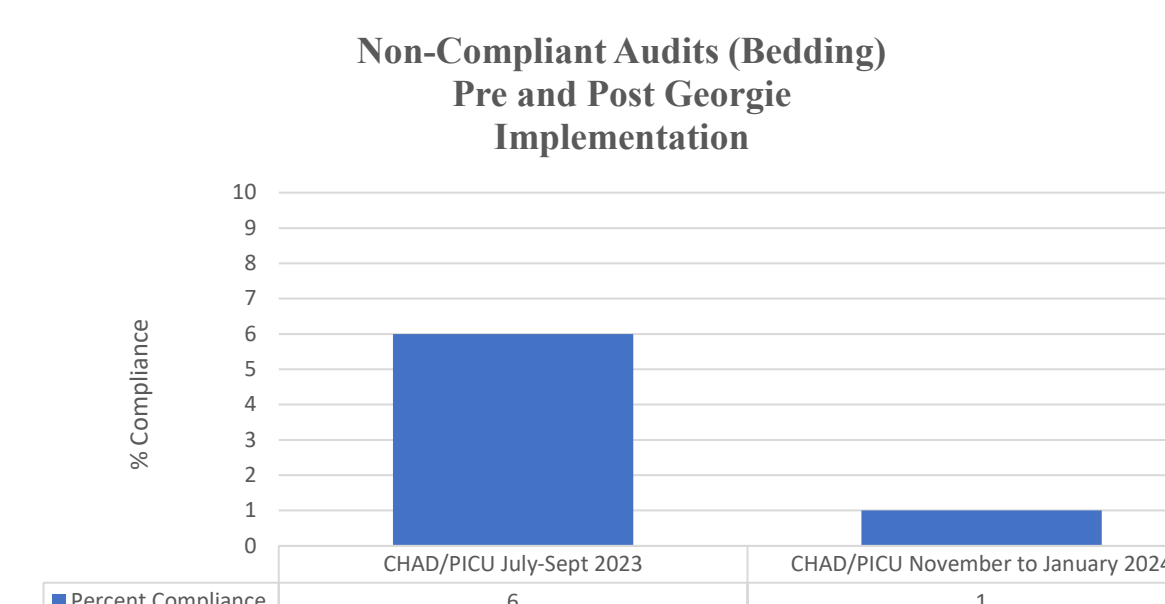
Baystate Children's Hospital Safe Sleep AUDIT SUMMARY PASS	Baystate Children's Hospital Safe Sleep AUDIT SUMMARY FAIL
Date: _____ Unit: _____	Date: _____ Unit: _____
Number of Infants Audited: _____	Number of Infants Audited: _____
Number of infants with orders for: <input type="checkbox"/> HOB elevated (#) _____ <input type="checkbox"/> Therapeutic sleep order (#) _____	Number of infants with orders for: <input type="checkbox"/> HOB elevated (#) _____ <input type="checkbox"/> Therapeutic sleep order (#) _____
For infants who qualify for safe sleep & are in their crib:	For infants who qualify for safe sleep & are in their crib:
1. All infants are in supine positioning. (P. _____)	1. All infants are NOT in supine positioning. (P. _____)
2. All beds are in flat position. (P. _____)	2. All beds are NOT in flat position. (P. _____)
3. All beds are free of positioners: <input type="checkbox"/> Boundaries (#) _____ <input type="checkbox"/> Gel positioners (#) _____ <input type="checkbox"/> Bean bag positioners (#) _____ <input type="checkbox"/> Other (#) _____	3. All beds are NOT free of positioners: <input type="checkbox"/> Boundaries (#) _____ <input type="checkbox"/> Gel positioners (#) _____ <input type="checkbox"/> Bean bag positioners (#) _____ <input type="checkbox"/> Other (#) _____
4. Bed free from loose bedding and soft items. (P. _____)	4. Beds WITH loose bedding or soft items. (P. _____)
5. All beds have bed card displayed. (P. _____)	5. Beds WITHOUT bed card displayed. (P. _____)
Reliability Criteria: Card is GREEN if: <input type="checkbox"/> All items are in compliance	Reliability Criteria: Card is RED if: Any item is NOT in compliance
Follow-Up: Give in the moment praise for keeping the patient safe.	Follow-Up: Give in the moment coaching and ensure the nurse addresses non-compliant item(s).
Auditor: _____	Auditor: _____

Outcomes

- The Georgie™ was implemented in October 2023. Post implementation, a sample 296 of babies in PICU/CHAD (November 2023-January 2024) were audited, showing an increase in Safe Sleep bundle compliance.



- Of the non-compliant audits associated with bedding in the crib, there was a decrease from 6% to 1% (pre and post implementation).



Conclusions

Using the Georgie™ gown is associated with improved adherence to the safe sleep bundle in PICU and CHAD at Baystate Children's Hospital. The Georgie™ gown supports no additional bedding added in the crib.

Limitations:

- Factors aside from bedding influence safe sleep compliance rates, including head of bed flat, supine positioning, positioners/bedding in the crib and bedside safe sleep card. Retention of Georgie™ gowns was dependent on unit management of soiled linens and due to a greater loss of product and the cost of replacement, new gowns in the CHAD unit were not re-ordered.
- PICU had a small sample size pre/post Georgie™ implementation.

Recommendations: Our data supports that the Georgie™ pediatric gown increased safe sleep compliance in patients ≤ 1 year of age in CHAD and PICU at Baystate Children's Hospital. We speculate that a materials handler hired to manage the drop-off/pick-up of soiled gowns, instead of frontline staff, will enhance compliance. Furthermore, we suggest that a simplified process put in place for staff to separate out specialty gowns from regular linen, management of the soiled linen, and an educational plan emphasizing removal of gowns at discharge would be beneficial.

References

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Acknowledgements

- Nurses and Patient Care Technicians from PICU, CHAD and NICU/CCN who completed audits to help improve compliance to the safe sleep bundle.
- Baystate Value Analysis and Environmental Services Department for help in purchasing and cleaning this product.