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### We're Not HAPI and We Know It.

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# We're Not HAPI and We Know It.

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## Background

In 2021, we noted an increase in hospital acquired pressure injuries (HAPI) in our Pediatric Intensive Care Unit (PICU). In 2021 there were 41 HAPIs resulting in a rate of 3.44 HAPIs per 1000 patient days. On analysis into the causative factors, we determined there was a marked increase in respiratory device related pressure injuries from 2021-2022 as well as pressure injuries related to turning and repositioning leading us to believe our current prevention measures should be reviewed.

## Purpose

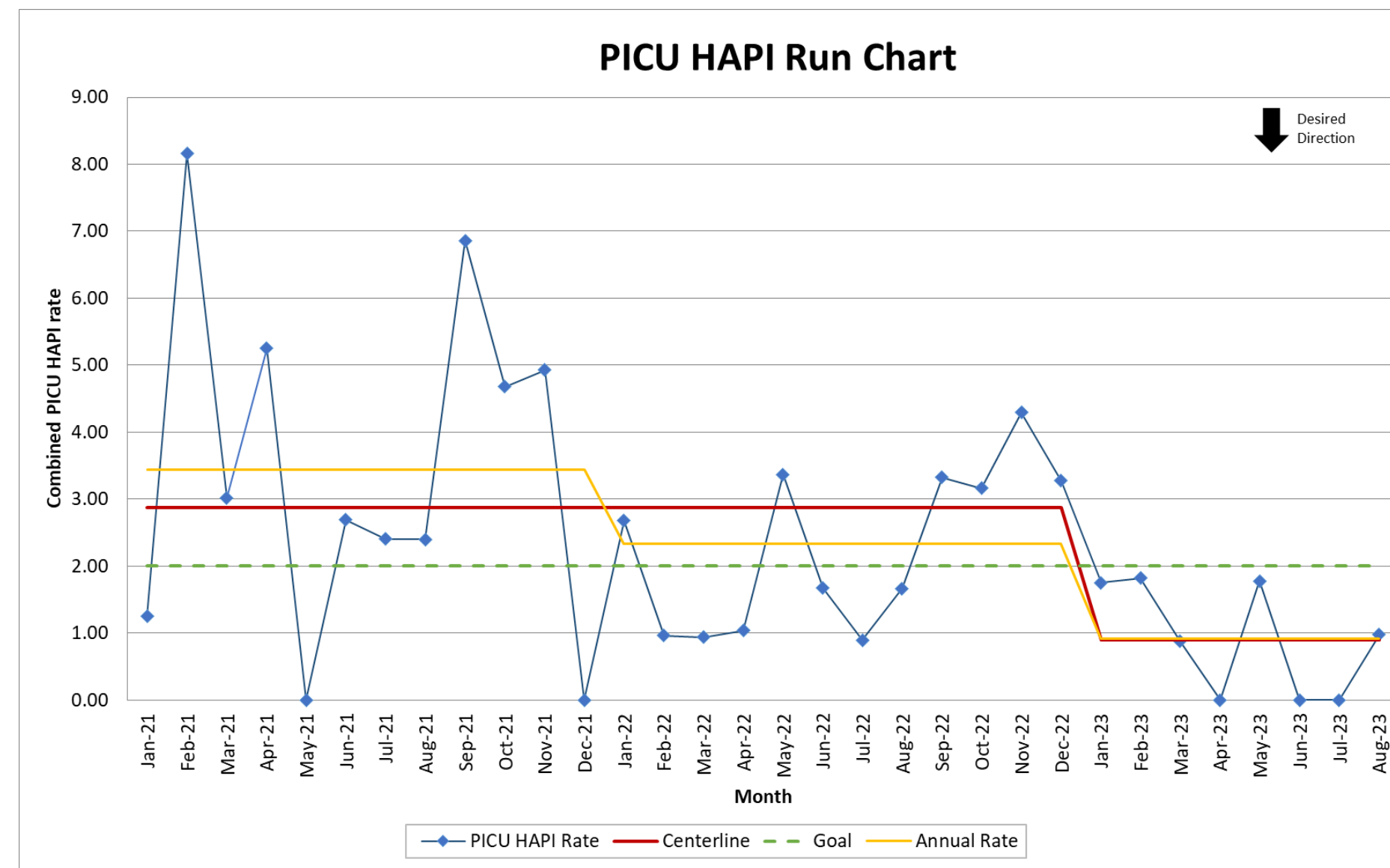
The purpose of this Quality Improvement project is to reduce the number of hospital acquired pressure (stage II & above) in the Pediatric ICU at Children's Health Dallas Campus.

## Literature Review

Our literature review was completed using 4 articles published between 2019-2022.

3 articles were pediatric patient studies and 1 was neonatal patients.

Please scan QR code for Reference List



## Interventions

Date	Intervention
January 2022	PT provided education on early mobility and positioning for pressure relief
March 2022	Education in staff meeting on turning & repositioning for neurosurgery pts.; Trial of turning unstable and high-risk pts.
April 2022	Pediatric bed buddy stocked; mask gel barrier trial
May 2022	Trial of turning & repositioning guideline, video developed; Visairo mask trial
June 2022	Staff education in CCA on turning & repositioning guideline
September 2022	Gel barrier stocked
October 2022	Staff meeting education on turning & repositioning guideline
November 2022	HAPI Family education on PRIMO turn and slide sheet, body wedges, chair pads, & heel check boots for upcoming trial
December 2022	Alternate mask required in room
February 2023	RN/RT joint skin assessment; PRIMO trial started; 5 new masks available
March 2023	Pulse-ox rotation changed to Q8h; HAPI roadshow began
June 2023	CCA education surrounding mask fit
July 2023	FAN respiratory device education; Allevyn product trial

## Outcomes

As of the end of August 2023, we have reduced our HAPI rate in the PICU from 3.44 in 2021 to a rate of 0.90, a reduction of over 73.8%. Additionally, we have been able to sustain this decrease over the course of the last 7 months, allowing us to shift our centerline. In 2022 we saw 16 pressure injuries related to respiratory devices. In 2023 to date, we have only seen 4.

The use of a multidisciplinary team to assess the current practice as well as implement changes to our HAPI prevention practices has shown promising results in our goal of decreasing HAPIs in the PICU.



## Next Steps

- Evaluate effectiveness of new products and usage.
- We have 5 new Allevyn pressure injury prevention products we are working to stock.
- Share our results and product feedback with house-wide HAPI group.