UPSTATE

Background

- Timely anthropometric measurements in pediatric patients, notably height and weight, are essential for safe and effective medication prescribing.
- Weight is necessary as most medications for pediatric patients are weight based. Height is used to estimate glomerular filtration rate (eGFR) with the Bedside Schwartz Formula for children 1-18 years to determine the need for medication dose adjustment based on renal function.
- At our institution obtaining these measurements, particularly height, is often deprioritized.

Objective

• Assess the timely attainment of patient height in pediatric patients at our institution.

Methods

- Retrospective chart review quality improvement project, which met exemption criteria for Institutional Review Board review, identified pediatric patients who were admitted to Upstate Golisano Children's Hospital from July 1st to 31st, 2021.
- Primary end point: Determine the proportion of patients whom a height was recorded within 24 hours of admission.
- Secondary end points: Determine how many patients without a height recorded within 24 hours of admission were given medications that may require renal dose adjustment or have the potential to cause nephrotoxicity.
- Data were analyzed using descriptive statistics utilizing Excel® and Research Electronic Data Capture (REDCap®) software.

	Table 1: Patient Demographics	
	All Patients (n=399)	Patie
Age (mean ± SD)	8.27 ± 6.3	8.88
Origination (n, %)	Peds ED: 285, 71.4% Adult ED: 7, 1.8 % Peds Transport Team: 8, 2.0% Direct admit from OSH: 42, 10.5% Direct admit from clinic: 38, 9.5% Other: 19, 4.8%	Peds Adult Peds Direc Direc Othe
Admitting Unit (n, %)	Pediatric Surgery: 122, 30.6% Pediatric Heme/Onc: 37, 9.3% General Pediatrics: 158, 39.6% PICU: 67, 16.8% Other: 15, 3.8%	Pedia Pedia Gene PICL Othe
Critically III (n, %)	61, 15.3%	19, 1
Weight Updated within 24 hours of Admission (n, %)	391, 98%	109,
SCr Obtained within 24 hours of Admission (n, %)	305, 76.4%	91, 7







Attainment of Anthropometry Measurements in Pediatric Patient Admissions



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