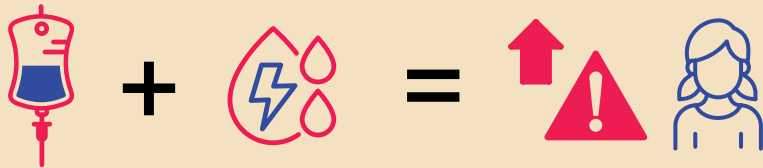


Standardizing IV Electrolyte Administration in Pediatric Oncology: A Quality Improvement Initiative



Intravenous (IV) electrolyte infusions, or electrolyte boluses (EB), are high-alert medications commonly administered to pediatric oncology patients in the inpatient setting.

This quality improvement initiative aimed to standardize IV EB administration for intermittent infusions of IV:

- Magnesium sulfate
- Potassium chloride
- Potassium phosphate
- Calcium gluconate

We developed a multidisciplinary team including nurses, advanced practice providers, a physician, an improvement advisor, and a pharmacist, and implemented **10 Plan-Do-Study-Act (PDSA) cycles**



15% ➡ 85% The proportion of **EBs administered at the ordered rate** increased from **15% to 85%** over the observed 36-month period

