

# Pediatric Readiness Quality Improvement Collaborative Baseline Data Tip Sheet



## Baseline Data Entry Items to Consider

- Select at least 25-30 patient encounters that occurred between 1/1/2023 and your first change strategy (actual number of charts entered may vary from site to site)
- Encounters should reflect a period of status quo (i.e., no formal interventions introduced)
- Complete prior to obtaining buy-in or educating staff on project to avoid Hawthorne effect, people alter behavior when they know they are being watched

## Considerations When Selecting your Intervention Bundle(s)

- Based on local interests (best for staff)
- Based on recent concerns or known performance gaps in your EDs clinical care processes (best for administration)
- Based on new awareness or evidence

## Selecting your Intervention Bundle Population

- Consider starting with a broad focus and then narrow the focus after your global performance improves

Intervention Bundle	Broad Focus (esp. for low volume sites)	Narrow Focus (examples only)
Weight in Kilograms	All pediatric patients	Only high acuity patients
Pain	All pediatric patients	Only patients with long-bone fractures
Assessment/Reassessment	All pediatric patients	Diagnosis specific (sepsis)
Suicide	All pediatric patients >10 years	Only patients with "high" suicide risk

## Data Sampling Techniques

Technique	Definition	Advantages	Disadvantages
Random	Sample randomly selected	Likely to include are subgroups	Requires large sample size otherwise high likelihood of error
Stratified	Specific subgroup selected	Subgroups represented	Must know subgroups, can be complicated to apply
<b>Systematic- May be least likely to have bias</b>	<b>Inclusion of every nth patient</b>	<b>Time efficient</b>	<b>Can cause bias if periodicity exists (e.g., every 7<sup>th</sup> day)</b>
Judgement	Sampling done based on judgement of team lead	Time efficient	Personal bias, not representative
Quota	Sample selected based on numbers alone	Easy, reliable	Sampling error
Convenience	No requirements of stratification	Simple and easy	Selection bias and sampling error

## Keeping a Patient Log

- Pull and review charts based on data sampling strategy
- Understand data variables and how to locate them
- Work with pediatric champion to streamline processes for data collection
- Maintain patient log (link to MRN or DOB- not included in data collection)

PDSA Cycle	Patient Visit Date	Patient Medical Record Number	Data Entry System Identifier
1	3/2/23	12345678	JK71234

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