SUS-06- Peds: Percentage of pediatric cases with a max Fresh Gas Flow equal to or less than a weight-based threshold during the induction phase of anesthesia.

START: Age < 18 years

- Patient has a valid weight? 
  - Yes: Mean FGF during induction ≤ max weight-based FGF?*
    - Yes: Pass
    - No: Exclude
  - No: Exclude

- Halogenated hydrocarbons and/or Nitrous gas administered during induction? 
  - Yes: Exclude
  - No: Fresh Gas Flow present during administration of halogenated gases?
    - Yes: Exclude
    - No: Mean FGF during induction ≤ max weight-based FGF?*
      - Yes: Pass
      - No: Flag

*Weight-based Thresholds
<20kg/ ≤ 3L/min Mean FGF
20-30kg/ ≤ 4L/min Mean FGF
30-40kg/ ≤ 5L/min Mean FGF
>40kg/ ≤ 6L/min Mean FGF
All patients

SUS-06-Peds: Percentage of pediatric cases < 18 years old with a mean fresh gas flow (FGF) equal to or less than a weight-based threshold during the induction phase of anesthesia.

Induction period of Anesthesia/Measure time period: Induction Start to Intubation. If none, then Induction End Phenotype

Induction end is determined by the Induction End Phenotype

**Weight-based thresholds:**
- ≤20 kg ≤ 0.5 L/min Mean FGF
- 20-30 kg ≤ 0.7 L/min Mean FGF
- 30-40 kg ≤ 0.9 L/min Mean FGF
- >40 kg ≤ 1.1 L/min Mean FGF

To calculate Mean FGF:
3. Determine which flow values to include by identifying minutes where FGF and non-artifact inhalated agent or nitrous oxide are documented
4. Add all included FGF values and divide by the total number of included minutes.

Pass

Flag

START:
All patients

Age > 18 years
Exclude

Valid weight documented
Exclude

Fresh gas flow documented during induction
Exclude

Halogenated hydrocarbons or nitrous oxide used during induction
Exclude

Mean FGF equal to, or less than weight-based max FGF during induction period of anesthesia?*

*Weight-based threshold:
- ≤20 kg ≤ 0.5 L/min Mean FGF
- 20-30 kg ≤ 0.7 L/min Mean FGF
- 30-40 kg ≤ 0.9 L/min Mean FGF
- >40 kg ≤ 1.1 L/min Mean FGF