Medical students have a 4-week core pediatric rotation where they are assigned to a strictly inpatient service (hospitalist, Pulm, H/O, PICU) or a clinic/consult service (GI, Nephro, Endo, etc.).

There is variable exposure to pediatric pathology across different services. Concern this variability is affecting acquisition of high-yield general pediatrics knowledge.

### Background
- Evaluate knowledge acquisition for medical students during the clerkship
- Determine frequency and topic areas of resident-led teaching on inpatient and clinic/consult services

### Methods
- For this year-long observational study, students completed a 20-question pre- and post-rotation knowledge assessments developed using PreTest questions modeled after the NBME Pediatrics subject exam.
- Residents provided weekly data including clinical service, post-graduate year, and number and specialty of topics taught.
- We compared knowledge acquisition with pre-/post-test scores, and educational experience by teaching topics on inpatient services and clinic/consult services using t-test.

### Discussion/Future Directions
- Our data demonstrates students on inpatient services are exposed to more teaching topics on average, than those on clinic/consult services.
- It is also notable that senior residents provide more informal weekly teaching than interns.
- Currently there is no clear difference in knowledge gained between groups, suggesting non-inferiority for medical students on either type service.
- Power is a likely limiting factor to this along with self-study opportunity, clinical responsibilities, and expectations. Informal teaching from attendings was not measured for this study either.
- Future directions may include identifying highest yield teaching topics and ways to implement this into clinical teaching, as well as data collection on student perceptions and reported self-study time on either service.

### Results
- Teaching Variability by Class
- Average Weekly Teaching by Class
- Average Weekly Teaching by Service
- Average Test Scores and Improvement

- **Senior**
  - GP: 1.71
  - A/I: 2.57
  - Cards: 1.63
  - Endo: 2.37
  - GI: 1.71
  - H/O: 2.57
  - ID: 1.63
  - MSK: 2.37
  - Neuro: 1.71
  - Psych: 2.57
  - Pulm: 1.63
  - Renal: 2.37
  - Rheum: 1.71
  - Other: 2.57

- **Intern**
  - GP: 1.71
  - A/I: 2.57
  - Cards: 1.63
  - Endo: 2.37
  - GI: 1.71
  - H/O: 2.57
  - ID: 1.63
  - MSK: 2.37
  - Neuro: 1.71
  - Psych: 2.57
  - Pulm: 1.63
  - Renal: 2.37
  - Rheum: 1.71
  - Other: 2.57

- **Consult/Clinics**
  - 12%

- **Inpatient**
  - 83%

- **Average Improvement**
  - **Pre-Test Average**: 69%
  - **Post-Test Average**: 85%
  - **Average Improvement**: 15%