Neighborhood-level inequities in transportation infrastructure, housing quality, education, and financial disadvantage are a few key drivers related to disparities associated with increased incidence of PICU admission.

### STUDY DESIGN

- **Ecological study**, at the census tract-level, of pediatric patients admitted to a PICU

- **2,476 PICU admissions**: 1,351 patients from Baltimore City (10.25 per 1000 children) and 1,125 patients from Baltimore County (6.31 per 1000 children) between January 2016 and December 2019

### RESULTS

Factors associated with incidence of PICU admission

- **Education** (IRR = 1.37; 1.22, 1.54)
- **Lack of Access to Transportation** (IRR = 1.23; 1.11, 1.37)
- **Housing Quality** (IRR = 1.46; 1.21, 1.77)
- **Unemployment** (IRR = 1.49; 1.25, 1.79)
- **Median Income** (IRR = 0.91; 0.88, 0.94)