Geospatial Analysis of Social Determinants of Health Identifies Neighborhood Hot Spots Associated with Pediatric Intensive Care Use for Acute Respiratory Failure Requiring Mechanical Ventilation

**Population**
Mechanically ventilated children admitted >1 day at two PICUs in Atlanta, GA

**Results**
- 9.7% of children live within a hot spot
- Hot spots associated with a worse social vulnerability index
- Worse social vulnerability and lower childhood opportunity were associated with longer total median hospital duration

**Implications**
"Interventions addressing the neighborhood social vulnerability and child opportunity are needed to decrease disparities in intensive care admissions for acute respiratory failure requiring mechanical ventilation."

Data from Najjar et al: *Pediatr Crit Care Med* 2022  pccmjournal.org #PedsICU