Child Opportunity Index

**Educational**
- Adult educational attainment
- Student (school) poverty rate
- Reading proficiency rate
- Math proficiency rate
- Early childhood education neighborhood participation patterns
- High school graduation rate
- Proximity to high-quality early childhood education centers
- Proximity to early childhood education centers of any type

**Health and Environmental**
- Retail healthy food index
- Proximity to toxic waste release sites
- Volume of nearby toxic release
- Proximity to parks and open spaces
- Housing vacancy rates
- Proximity to health care facilities

**Economic**
- Neighborhood foreclosure rate
- Poverty rate
- Unemployment rate
- Public assistance rate
- Proximity to employment

Source: Kirwan Institute and Brandeis University, 2014
Child Opportunity and Health Outcomes

- Less child opportunity in a neighborhood is strongly correlated with:
  - Shootings
  - Elevated blood lead levels
  - Obesity in children
  - Life expectancy at birth
  - Diabetes-related mortality
  - Diet-related mortality
  - Teen births
Life Expectancy at Birth
Correlated with Hardship and Opportunity

Life expectancy is higher in community areas with lower hardship and more opportunity.

Teen Births

Births per 1,000 females aged 15-19

- All race-ethnicities
- Hispanic
- Non-Hispanic Asian or Pacific Islander
- Non-Hispanic African-American or black
- Non-Hispanic white

Chlamydia among females aged 15-19 years is higher in community areas with less opportunity.
Non-fatal Shootings

Shooting rates are higher in communities with higher hardship.

Source: Chicago Police Department, 2014; Kirwan Institute and Brandeis University, 2014
Communities with less opportunity have higher percentages of children with elevated blood lead levels.
Diabetes-related mortality rates are higher in communities with less opportunity.

Source: Kirwan Institute, Brandeis University, 2014; Illinois Department of Public Health, Division of Vital Records, Death Certificate Data Files, 2007-2011
Diet-related Mortality, Food Insecurity and Child Opportunity

Diet-related mortality rates are higher in communities with more food insecurity and less opportunity.
Educational Opportunity Index

- Adult educational attainment
- Student (school) poverty rate
- Reading proficiency rate
- Math proficiency rate
- Early childhood education neighborhood participation patterns
- High school graduation rate
- Proximity to high-quality early childhood education centers
- Proximity to early childhood education centers of any type

Source: Kirwan Institute and Brandeis University, 2014
Educational Opportunity and Obesity

Obesity among CPS kindergarteners, sixth and ninth graders in greater in children with more educational opportunity.

Source: Kirwan Institute and Brandeis University, 2014; Chicago Public Schools, 2012-2013