**Objectives**

- Understand what, if any, correlation exists between social determinants of health and health care measures in urban and rural neighborhoods.
- Compare correlations in urban and rural neighborhoods.
- Characterize differences between urban and rural neighborhoods.

**Methods**

To compare social determinants of health and health care measures, five social determinants were identified and measured to represent four health care measures.

**Social Determinants of Health**

Five social determinants of health were chosen to look at a variety of factors that could impact health care use:

- **Income Poverty Status**
- **Education** Present/Not Present High School Graduate
- **Employment Percent Unemployed**
- **Housing/Transportation** Own Home Rent Public Housing
- **Race/Ethnicity/Language** Fluent in Other/Less English

**Health Care Measures**

Six health care measures were divided using the CD APCD and designed to represent four health care measures:

- **Access** Quality Cost Utilization

  - Quality measured as level of access to care, not level of care itself.
  - For methodology, refer to the “Access Quality Cost Utilization” section in the CD APCD guidelines.

- **Tableau Dashboard**

  A web-based interactive dashboard was developed to enable comparison of the social factors to the health care measures at the neighborhood block level.

**Population Studied**

Individuals in each neighborhood were divided into the following social factors and how they are impacted by various social factors and how they are able to access health care services:

- **Urban and Rural Neighborhoods**
  - Urban neighborhoods have different relationships with health care access, quality, cost, and utilization.

**Urban vs. Rural Neighborhoods**

- **Urban Neighborhoods**
  - Reflected in reduced housing and income levels.

  - Each neighborhood has their own unique challenges related to social factors and utilize health care services differently.

- **Rural Neighborhoods**
  - Reflected in lower access to quality of health care services.

**References**

- **Globally**
  - **Domestic**
    - **Urban**
      - **Census**
      - **Rural**
    - **Rural**
      - **Census**

- **Discussion**

  - **Urban vs. Rural Neighborhoods**
    - **Urban**
      - **Census**
      - **Rural**

- **Population Studied**

- **Health Care Measures**

  - **Access**
  - **Quality**
  - **Cost**
  - **Utilization**

  - For methodology, refer to the “Access Quality Cost Utilization” section in the CD APCD guidelines.

- **Tableau Dashboard**

  A web-based interactive dashboard was developed to enable comparison of the social factors to the health care measures at the neighborhood block level.

**Neighborhood Case Study**

Highlighting new neighborhoods in close proximity and even those that border each other can have more different health care outcomes depending on social factors.