**Product Requirements Document**

Product: Interactive Dashboard Philadelphia City Council Districts w/ Determinants of Health

Drexel University Dornsife School of Public Health

Urban Health Collaborative (UHC)

Project Managers: Dr. Alina Schnake-Mahl, Dr. Stephanie Hernandez, Dr. Tamara Rushovich, Ran Li, Amber Bolli

Date of Creation: 3/31/2025

Version 1.0

**Introduction**

Philadelphia has faced differences in health outcomes across neighborhoods – differences that reflect broader disparities in income, opportunity, and access to essential resources. These are not just personal choices made by the city’s residents – they are shaped by where people live and the conditions of their community.

This project takes a closer look at those conditions by analyzing publicly available data and mapping key health indicators and social determinants of health across all 10 Philadelphia City Council Districts. By doing this, we aim to provide a clearer picture of how geography and disparities in health intersect to shape the health of Philadelphians.

Our goal is to equip all 17 Philadelphia City Council members and the general public with actionable, district-level insights that can guide and empower more equitable policy and investment. By connecting this data to Council Districts, we hope this project continues to grow and support effective solutions that can promote equality and better health for all Philadelphians.

**Objectives**

This product aims to create an interactive dashboard that will display all 10 Philadelphia City Council Districts for the 2024 council districts. The goal of this dashboard is to inform the 17 City Council members of the policy issues that are most affecting their respective districts.

We identified a set of health determinants based on the concerns of the current Philadelphia City Council. By clicking on one of the 10 districts, different determinants of health will display and compare that district with the others. These determinants currently include: the percentage with no health insurance, the heat vulnerability index, the median age, the median household income, the number of fatal car crashes, the number of fatal and nonfatal shootings, the percentage of owner occupied versus renter occupied homes, the percentage of homes that lack a complete kitchen and/or complete plumbing, the educational attainment status of residents, and the percentage of each race of residents.

**Stakeholders**

**Target group**: Current Philadelphia City Council District Members

**Philadelphia Department of Public Health (PDPH):** To help inform PDPH about variation in key health determinants across districts.

**UHC:** This dashboard can build on the current UHC repository and will be beneficial for future students to continue (ex. Future IDEA Fellows).

**Functionality:**

* A drop-down list of selectable determinants of health at the top of the dashboard. The top of the dashboard should also have the title of the project and a brief summary of the project as well as directions for how to use the dashboard.
* 2 graphs/maps will output from selecting a determinant of health. One will be of a simple bar graph that displays that input across the 10 districts. The other will be a spatial map of the 10 districts of Philadelphia. These should be side by side.
  + The spatial map should have the district number displayed. As well as having some graduated colors to reflect input changes across the districts.
* If you hover over/click a district on the spatial map, a small text box will show how many of that input are in that district.
  + It would also be if you select a district, the bar graph color changes for the district you selected to highlight it better.
* The only determinant of health that should not have a bar graph is Heat Vulnerability Index. The range is from negative to positive, so a bar graph will not look right. The scale should be from Very Low to Very High Risk and would best be shown with graduated colors on the spatial map only. An example is shown below.

**A map of the city council district

AI-generated content may be incorrect.**

**Milestones**

Bike Accident Presentation to Council: 10/08/2024

Draft of Product: 03/31/2025

Planned Finish Date: 06/06/2025

IDEA Presentation Date: 06/06/2025

**Components to be included on the dashboard:**

**Title:** Health ofPhiladelphia City Council Districts

**About the Dashboard:**

This dashboard leverages publicly available data from the US Census Bureau and Open Data Philly to examine important public health indicators for Philadelphia’s 10 City Council Districts. The project aims to offer actionable knowledge that empowers city leaders and communities to address health inequities in their communities.

**Find your council district:** <https://philacitycouncil.maps.arcgis.com/apps/instant/lookup/index.html?appid=9cf0fb3394914cd0a8a7f22ea1395d55>

**Main visualizations**:

* Map (with comparison to city-wide metric)
* Bar graphs by council district for each variable (with comparison to city wide metric)

**About the Data**: Link to data documentation page that details data source and notes about the metrics.

* E.g. A screenshot of a spreadsheet

  AI-generated content may be incorrect.

**Acknowledgements, Citation, contact us:**

**Authors**: Amber Bolli, Tamara Rushovich, Ran Li, Stephanie Hernandez, Alina Schnake-Mahl,

**Sponsor:** IDEA Fellowship

**Links to other relevant work** (?):

* NYU congressional dashboard?
* Congressional district journal articles
* Chicago

**Citation**: Urban Health Collaborative, Health ofPhiladelphia City Council Districts Dashboard, 2025 LINK

**Contact Us**: Please reach out to XXXXX with any questions