**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)

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Version 1.0

**Introduction**

Rooted in the historical context provided by W. E. B. Du Bois’ seminal work, The Philadelphia Negro: A Social Study (1899), this project extends Du Bois' exploration of racial segregation, economic deprivation, and health disparities in Philadelphia. Over a century ago, Du Bois demonstrated that health inequalities were not the result of individual behaviors, but rather resulted from structural inequalities tied to race, class, and place. This project revisits those themes, acknowledging the enduring legacy of systemic racism in shaping health outcomes, particularly among Black and other marginalized communities in Philadelphia.

Philadelphia’s long-standing racial health disparities are deeply embedded in the city's social and political fabric, where geographic location often determines access to health services, economic opportunity, and political power. The project will critically examine how city ​council​ districts—geopolitical units, or spatial and political units—influence the distribution of these resources, reflecting ongoing inequities. ​Specifically, this project seeks to leverage census tract American Community Survey (ACS) data and available public data and aggregate it to the city council district level to examine several social determinants of health as well as additional health indicators.​ By analyzing health outcomes, the project will provide a detailed, contemporary mapping of health disparities across the city. The project will also build on an ongoing analysis of bike and pedestrian accidents, and inequities in these outcomes, by council district, which will be presented to city council on October 8th.

By producing data at the city council district level, the project aims to offer evidence-based insights that can inform policy interventions and promote inclusion, diversity, equity, and antiracism (IDEA) work in Philadelphia’s public health initiatives. Ultimately, the goal is to generate actionable knowledge that empowers city leaders and communities to address health inequities through targeted, place-based solutions.

**Objectives**

This product aims to create an interactive dashboard that will display all 10 Philadelphia City Council Districts. By clicking on a distinct, different determinants of health that were pre-selected will display. These determinants currently include: the percentage with no health insurance, the heat vulnerability index, the median age, 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.

The goal of this dashboard is to inform City Council members of the policy issues that are most affecting their respective districts.

**Stakeholders**

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

**Philadelphia Department of Public Health (PDPH):**  The crosswalk for that data was given by them. This dashboard could also help them target interventions to city districts better.

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

**Functionality:**

* Each metric we want a bar graph of all districts in comparison to the Philadelphia average.
* Ability to download the data
* Link to the documentation
* Citation to who worked on this (eg. Amber, Ran, Tamara, Alina, Stephanie)

**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