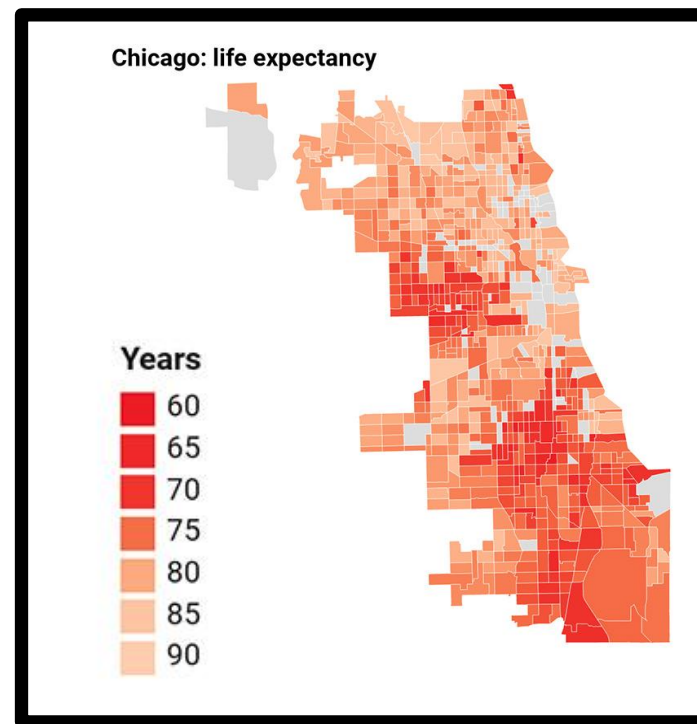


DESIGN FOR LIFE

May 5, 2021

A call to leverage sustainable design + policy to close the racial health gap

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Source: *Time Magazine* 2019
Jamie Ducharme and Elijah Wolfson

SUSTAINABILITY MUST INCLUDE EQUITY

HEALTH EQUITY ACTION ITEMS

- Break down silos that exist between disciplines supporting health equity
- Build alliances between the public, private and non-profit sectors
- Assess the key health challenges present in vulnerable communities
- Develop action plans to address the identified health challenges
- Measure and manage progress on action plans regularly



71%

Citywide greenhouse gas emissions attributed to Chicago buildings

According to Illinois Green

1 in 7

People living in Cook County, IL are food insecure

According to Medill Reports

Environmental Justice exists when there is an equitable distribution of environmental benefits and burdens throughout a given city or region.

SOCIAL DETERMINANTS OF HEALTH

What are social determinants of health?

Social determinants of health (SDOH) are the conditions in the environments where people are born, live, learn, work, play, worship, and age that affect a wide range of health, functioning, and quality-of-life outcomes and risks.

SDOH can be grouped into 5 domains:



Economic Stability



Education Access and Quality



Health Care Access and Quality



Neighborhood and Built Environment



Social and Community Context



Healthy People 2030, U.S. Department of Health and Human Services, Office of Disease Prevention and Health Promotion. Retrieved [date graphic was accessed], from <https://health.gov/healthypeople/objectives-and-data/social-determinants-health>

NEIGHBORHOOD AND BUILT ENVIRONMENT IMPACTS

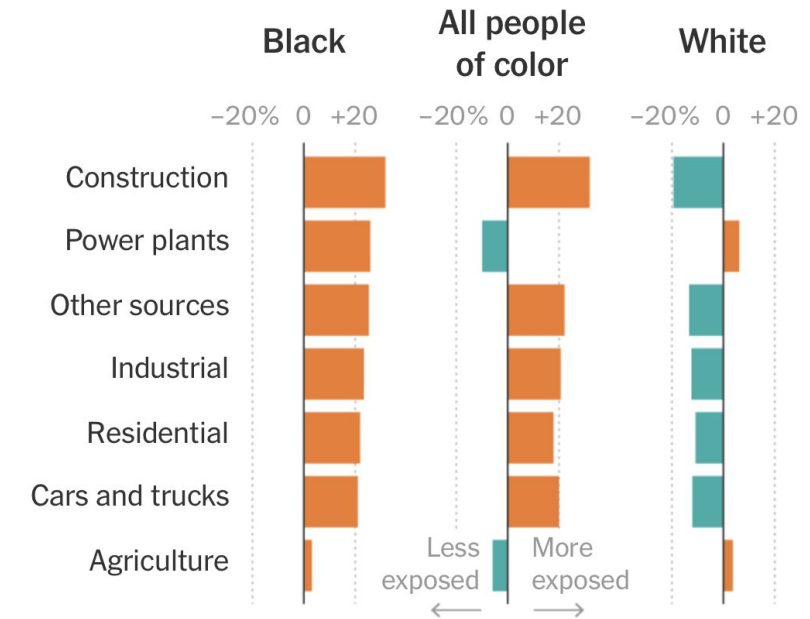


KEY ISSUES TO BE EXAMINED IN VULNERABLE COMMUNITIES

- Protection from **toxic environments**
- Access to **parks and open space**
- Proximity to **public transit**
- **Adaptive reuse** opportunities
- Access to quality **healthcare facilities**
- Elimination of **food deserts**
- Installation of **efficient building systems**
- Proper maintenance of **homes & public facilities**
- Planning for **crime reduction & public safety**
- Expansion of **economic opportunities**

Biggest Pollution Disparities

Nationwide, Black people are exposed to greater-than-average concentrations of a dangerous form of pollution known as PM 2.5. People of color face more exposure from almost every type of source, while white people are less exposed.



Other sources include pollution from commercial cooking, off-highway vehicles and equipment, and others. The cars and trucks category includes direct pollution as well as road dust. • Source: Tessum et al., Science Advances • By The New York Times
April 28, 2021

CHICAGO DESIGN FOR LIFE PROPOSED TIMELINE



*"Regarding Buildings & Construction, to achieve Chicagoland's Carbon & Equity goals, the most critical obstacle to overcome is **the absence of an actionable plan to improve health outcomes.**"*