

Design for Belonging

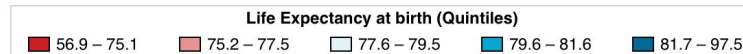
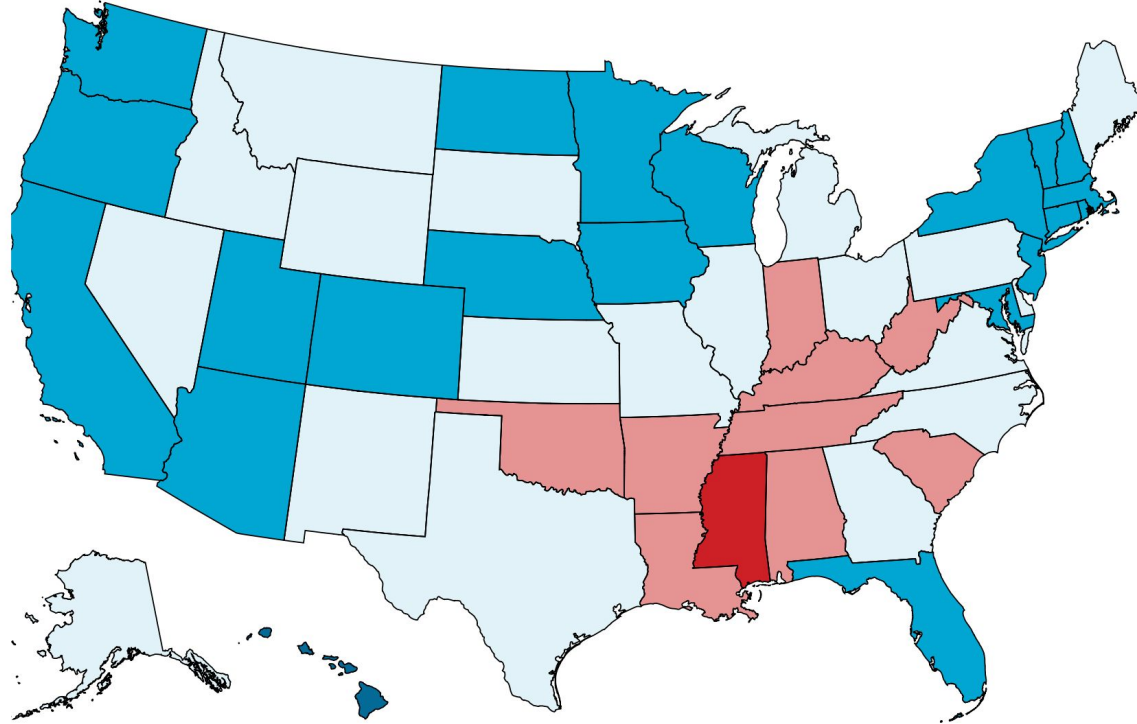
Eastside For All, Build for Belonging,
Transformative Placemaking
June 13, 2021

Renée Cheng, FAIA
Dean, College of Built Environments
University of Washington



Why does **zipcode determine
health and wealth?**

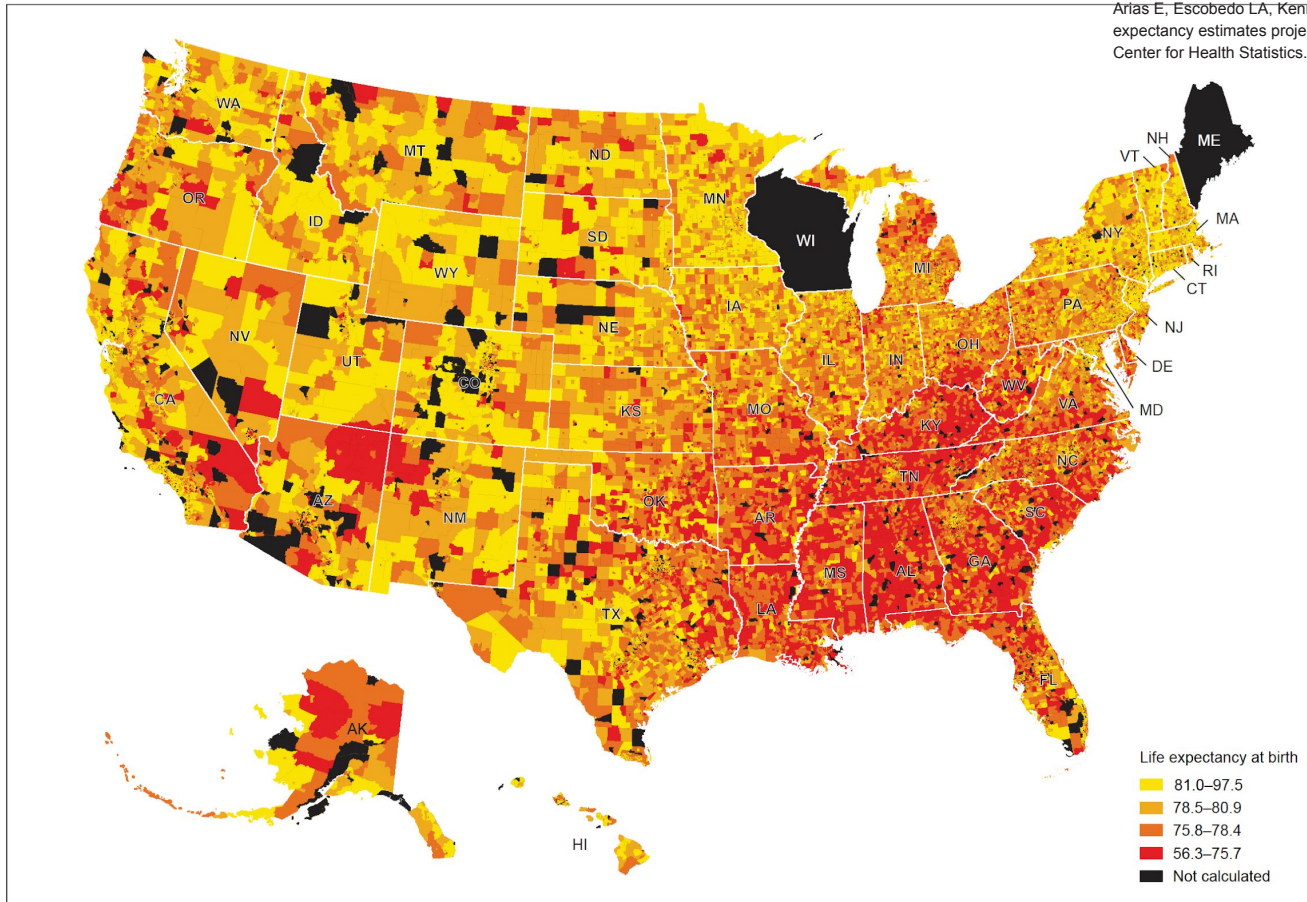
Place based determinants of health



Accessed July 20, 2020

<https://www.cdc.gov/nchs/data-visualization/life-expectancy/>

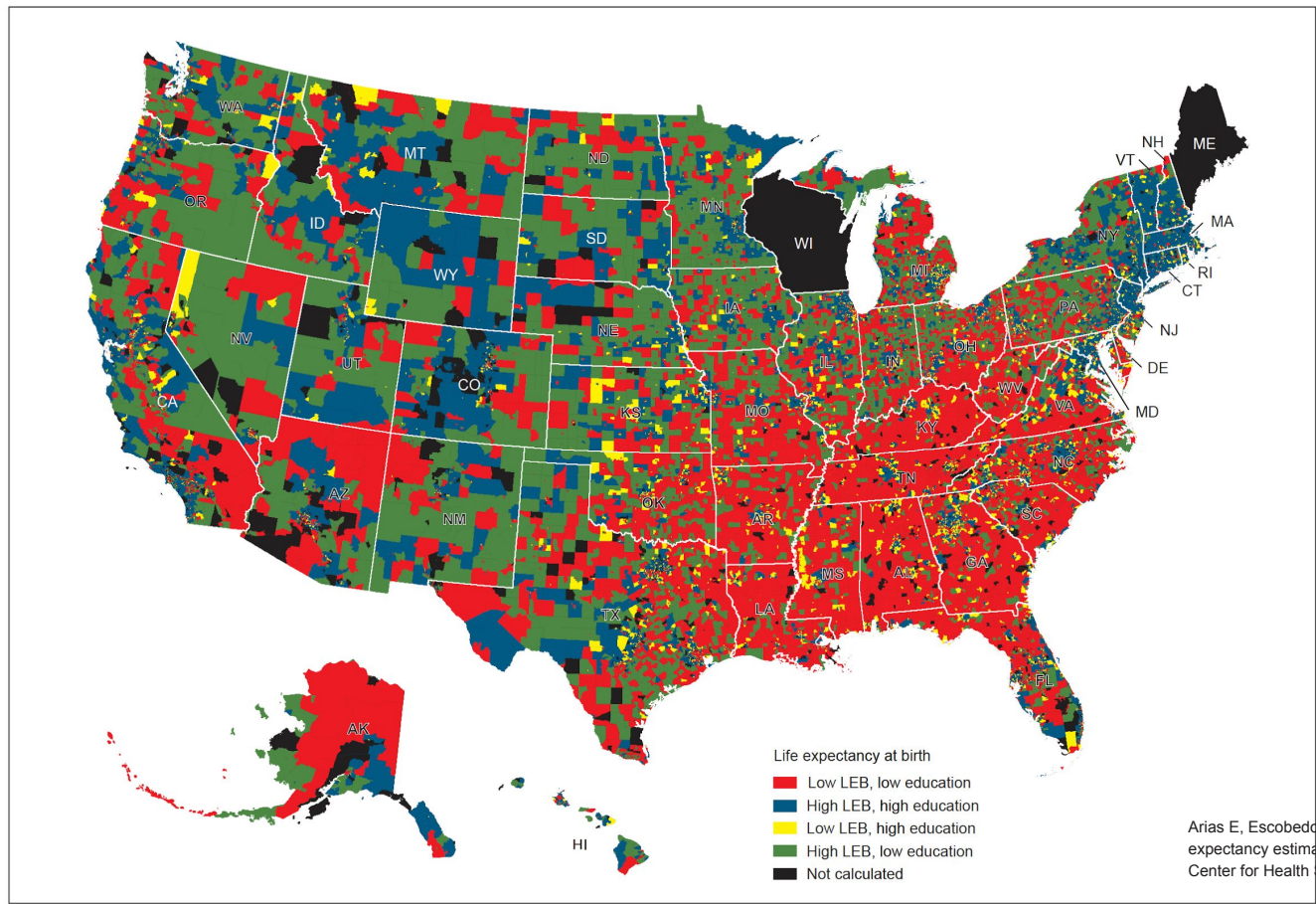
Figure 14. Life expectancy at birth, by census tract: United States, 2010–2015



Arias E, Escobedo LA, Kennedy J, Fu C, Cisewski J. U.S. small-area life expectancy estimates project: Methodology and results summary. National Center for Health Statistics. Vital Health Stat 2(181). 2018.

NOTE: Census tracts from Maine and Wisconsin were excluded.
SOURCE: NCHS, National Vital Statistics Systems, Mortality.

Figure 15. Life expectancy at birth and population educational attainment, by census tract: United States, 2010–2015



Arias E, Escobedo LA, Kennedy J, Fu C, Cisewski J. U.S. small-area life expectancy estimates project: Methodology and results summary. National Center for Health Statistics. Vital Health Stat 2(181). 2018.

NOTES: Census tracts from Maine and Wisconsin are excluded. LEB is life expectancy at birth. SOURCE: NCHS, National Vital Statistics Systems, Mortality.

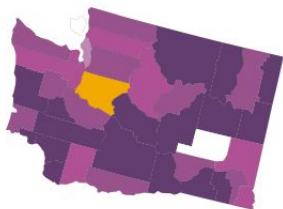
Average Daily COVID-19 Cases per 100K

King County

0 2 3 4 6 9 176



Click on a county below for a detailed report.

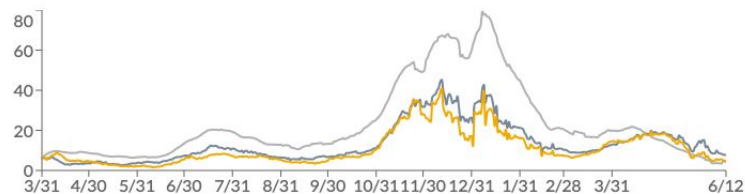


Comparing King County

The number of cases and deaths due to COVID-19 are dynamic. Cases are declining in many counties and rising in others. Trends in the case and death count in the past 14 days are being monitored to determine whether it is safe to reopen a county.

Average Daily COVID-19 Cases / 100K

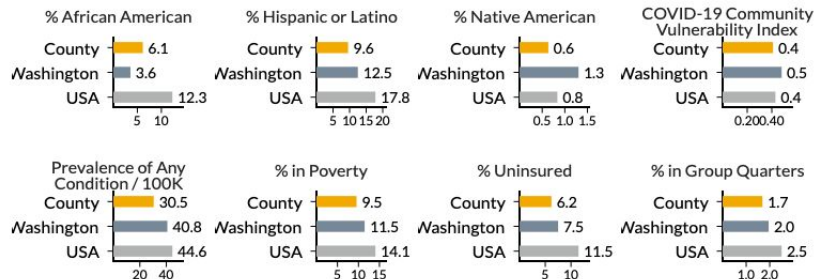
— USA — Washington — King County



▶ Play

King County Population Characteristics

Social, economic, health and environmental factors impact an individual's risk of infection and COVID-19 severity. Counties with large groups of vulnerable people may be disproportionately impacted by COVID-19.



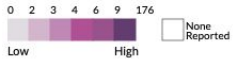
*The state and national level measure of any chronic condition prevalence (per 100K) is computed with the average of all the counties and states.

*The national level measure of COVID-19 Community Vulnerability Index is computed with the average of all the states.

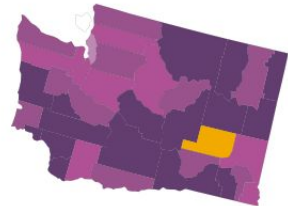
▶ [About the data](#)

Average Daily COVID-19 Cases per 100K

Adams County



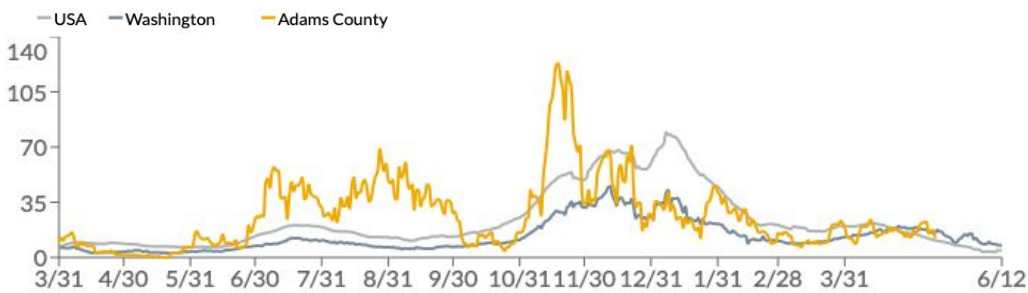
Click on a county below for a detailed report.



Comparing Adams County

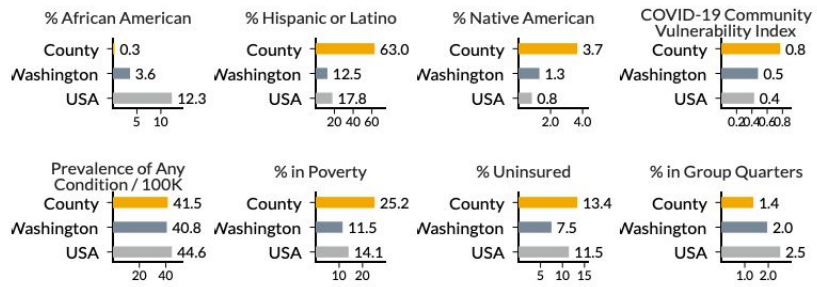
The number of cases and deaths due to COVID-19 are dynamic. Cases are declining in many counties and rising in others. Trends in the case and death count in the past 14 days are being monitored to determine whether it is safe to reopen a county.

Average Daily COVID-19 Cases / 100K



Adams County Population Characteristics

Social, economic, health and environmental factors impact an individual's risk of infection and COVID-19 severity. Counties with large groups of vulnerable people may be disproportionately impacted by COVID-19.



[About the data](#)

Why does **zipcode determine
health and wealth?**

**What does that mean for
design of place and space?**









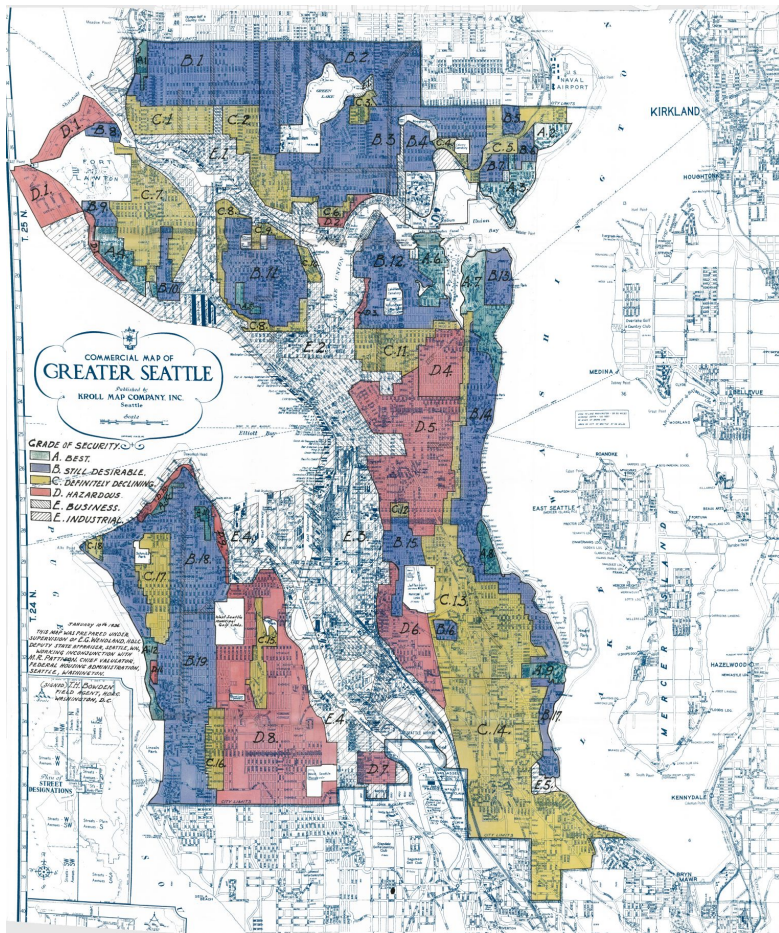
intent impact

intent = impact


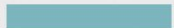


intent \neq impact

impact = consequences

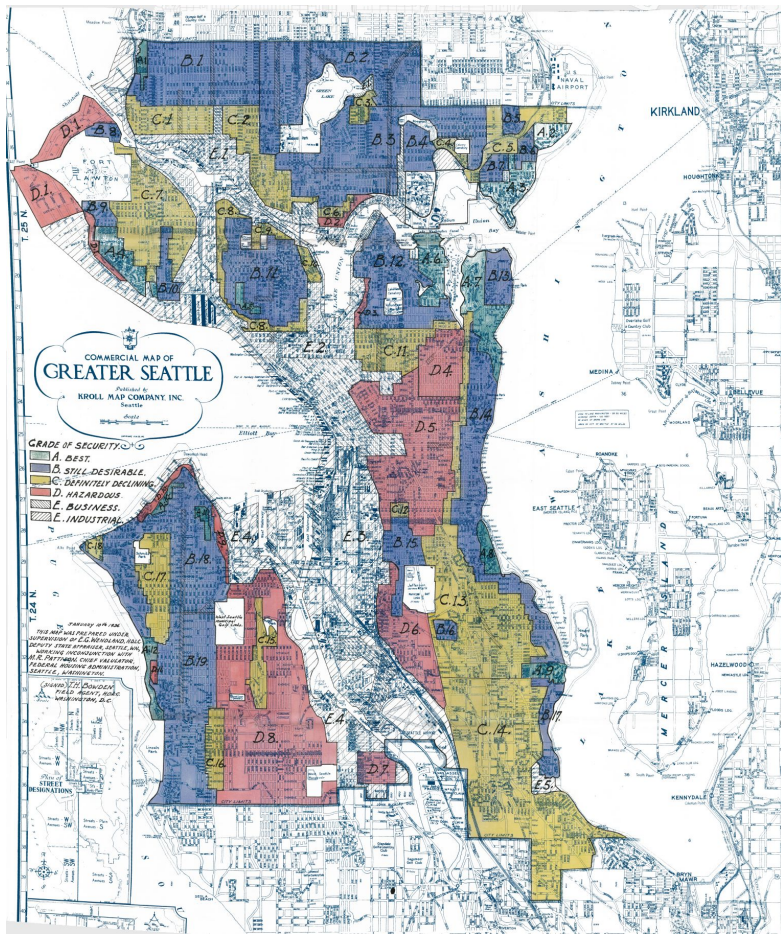
Home Owner's Loan Corporation (HOLC) 1935-40



Areas by Grade

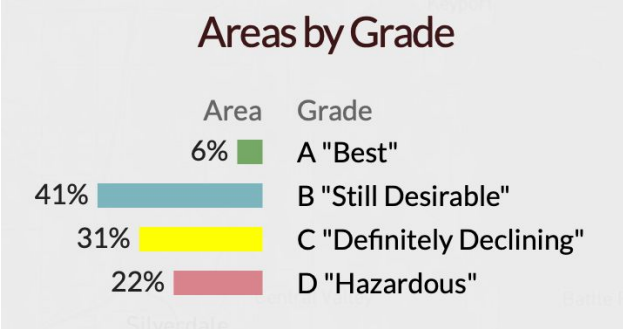
	Area	Grade
6%		A "Best"
41%		B "Still Desirable"
31%		C "Definitely Declining"
22%		D "Hazardous"

Robert K. Nelson and Edward L. Ayers, Mapping Inequality: Redlining in New Deal America, accessed July 20, 2020, <https://dsl.richmond.edu/panorama/redlining/#loc=12/47.594/-122.449&city=seattle-wa&area=B12>

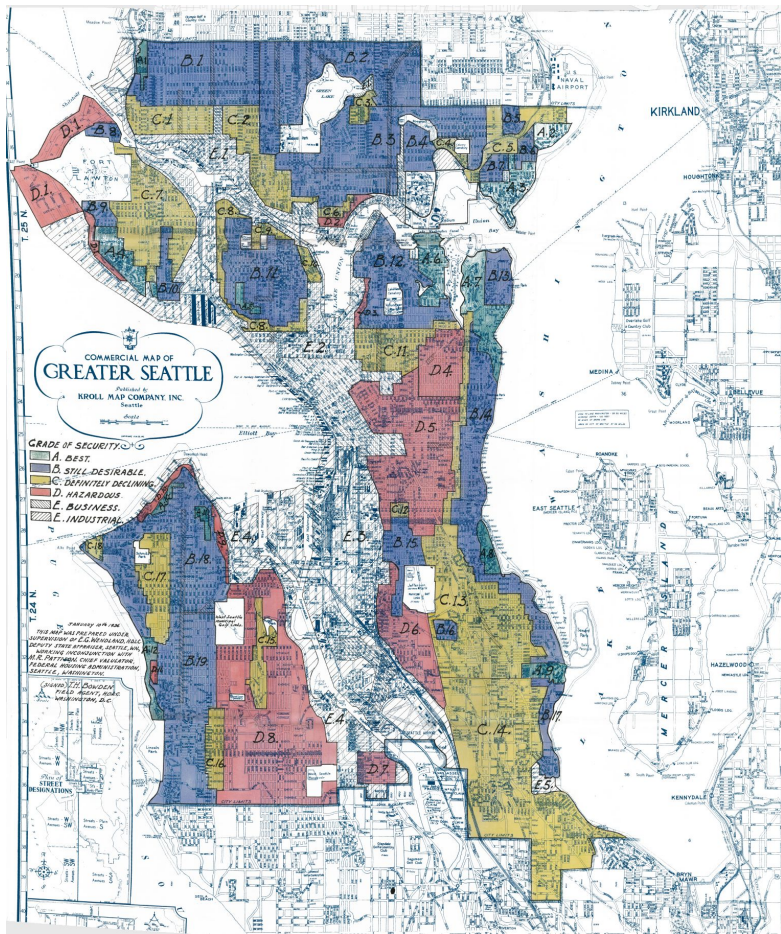


Home Owner's Loan Corporation (HOLC) 1935-40

Intent (stated at the time)
protect financial investments



Robert K. Nelson and Edward L. Ayers, Mapping Inequality: Redlining in New Deal America, accessed July 20, 2020, <https://dsl.richmond.edu/panorama/redlining/#loc=12/47.594/-122.449&city=seattle-wa&area=B12>



Home Owner's Loan Corporation (HOLC) 1935-40

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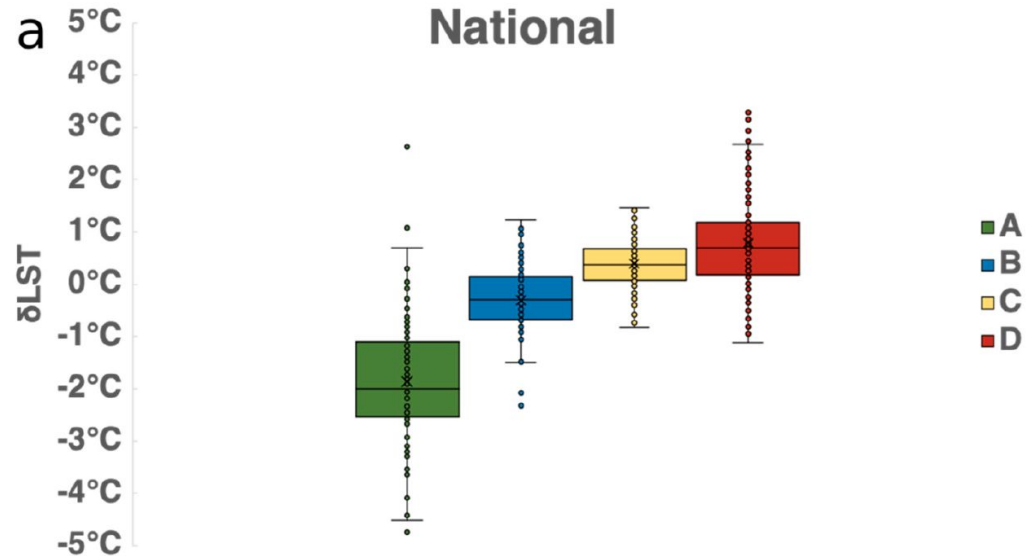
Intent (shown over time)
protect financial investments for certain people and institutions belonging to dominant white culture

Impact (immediate) segregation

Consequences (still playing out) hazardous for marginalized communities: asthma, lower life expectancy, less likely to be educated, less economic power, etc. etc.

Neighborhoods redlined as D “Hazardous” for financial security in the 1930’s are **one to five degrees** hotter than those that had been graded as A “Best”

Mostly due to differences in pavement and tree cover

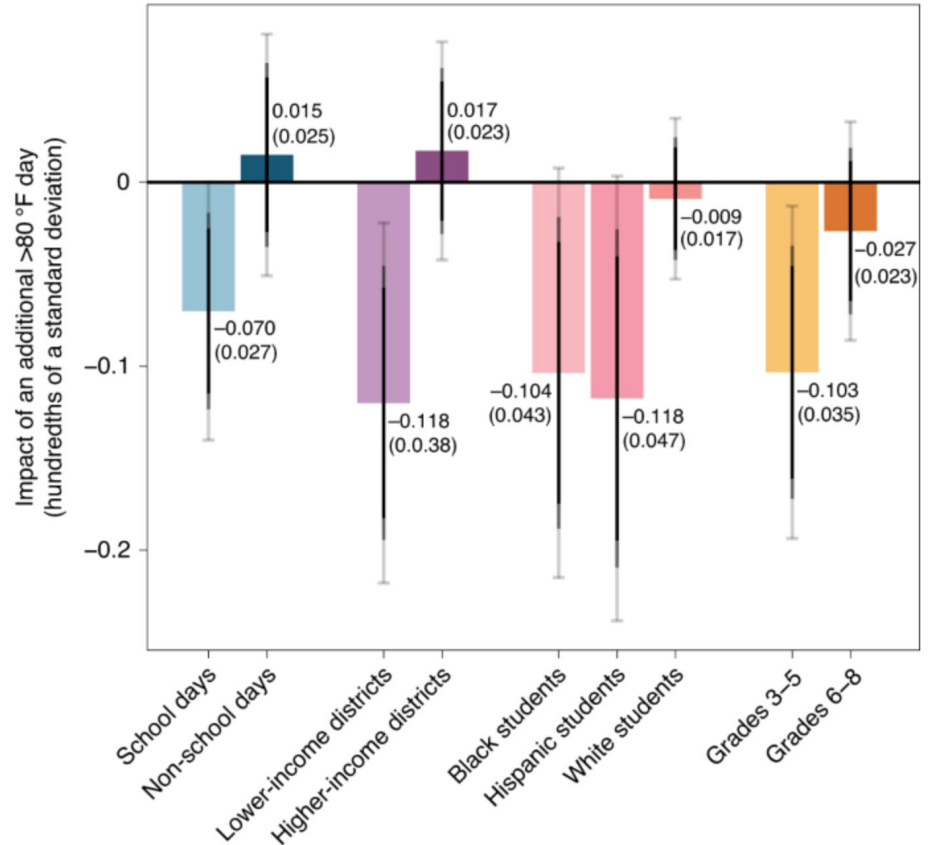


Learning is inhibited by heat exposure

Most detrimental effect is on Black and Hispanic students

Likely due to lack of air conditioning

Cumulative distraction over time



Guides for Equitable Practice

Guides for understanding and building equity
in the architecture profession



The University of Washington for the American Institute of
Architects Equity and the Future of Architecture Committee

intent = impact

Engaging Community



AIA

W



The University of Washington for the American
Institute of Architects Equity and the Future of
Architecture Committee

Engaging Community

ACT

Engage with community members as partners

- Be an active community member outside of work.
- View clients as cocreators, not passive consumers.
- Understand varying communication styles, and use a variety of engagement methods to appeal to different people.
- Make your expertise intelligible through clear language and visuals.

Understand community needs

- Research the historical, cultural, political, and institutional contexts. Don't lean on community members to teach you what you can learn yourself.
- Find out the community's priorities; don't assume you know what is needed.

Improve community relations

- Establish relationships before discussing project specifics.
- Learn the workings and culture of partner organizations.
- Listen before designing.
- Value, promote, and reward community work by your firm members.

WHAT DOES AUTHENTICITY LOOK LIKE?

What does it mean to engage authentically? How do we know we are achieving authentic communication and not just checking the box?

“Authentic engagement is built on an honest relationship with the community. As professionals, architects are often outsiders, but this is no limitation. Approaching the table as a citizen first and as a respectful guest gives the community the freedom to share their needs and experiences.

In this space, the reality of the community experience and knowledge is more valuable than the architect’s education or perceived status.

Connecting with the community at this level allows an architect to lead from an informed position of trust and yields mutual benefit for all involved.”

“We have to start to think anew. We have to approach community engagement as ‘proactive social scientists’ who, first and foremost, do not ignore the fact that we live in a country with increasing, ever-changing diversity and that some of the communities we serve are not monolithic but dynamic and hyperdiverse and continue to diversify. Researching and collecting data on the end users is the key to authentically connecting and proving our sincerity to serve instead of offering off-the-shelf, recycled solutions that may not necessarily fit or completely solve the task we are faced with.”



ABOUT US

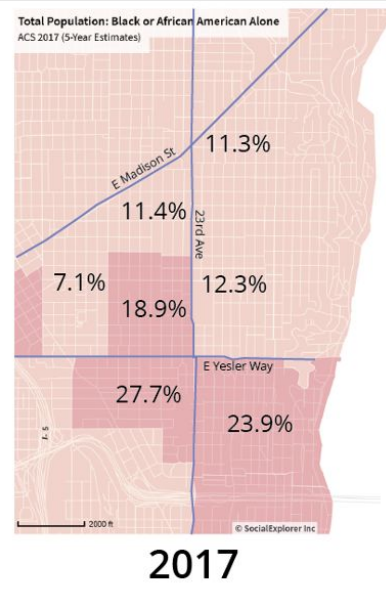
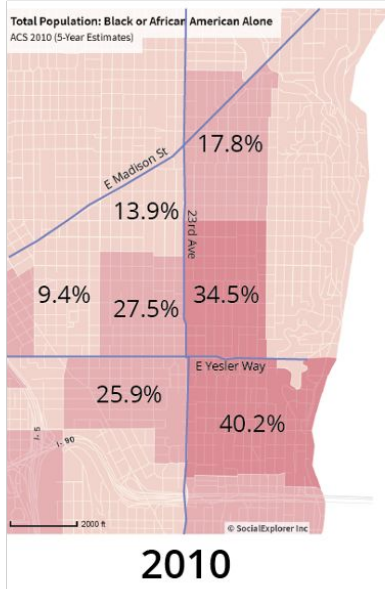
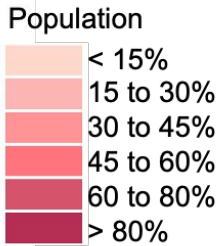
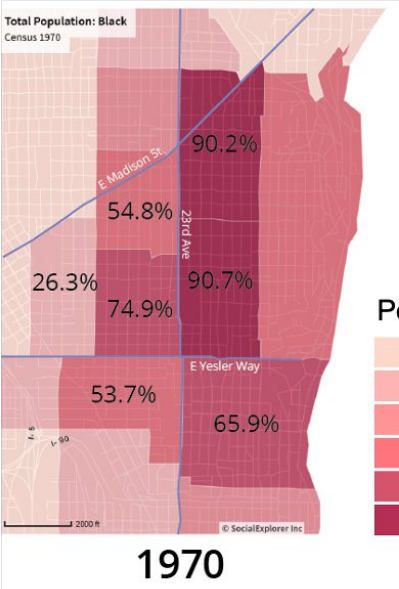
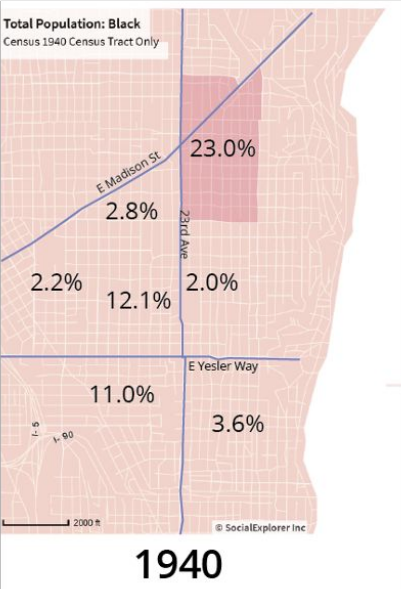
<http://nehemiahinitiativeseattle.org>

The Nehemiah Initiative

The Nehemiah Initiative seeks to assist community members facing the effects of rising costs and gentrification to combat displacement in Seattle's rapidly changing Central District. The project began in 2018 in response to rising concern in the Black community of the Central District about loss of historic character and community culture. As Seattle experiences a citywide economic boom and new residents move to the city and the neighborhood, the Central District is undergoing a seismic shift in community makeup and redevelopment of the built environment. The Nehemiah Initiative's efforts aim to assist the historically Black churches of the Central District retain and maximize use of church property to keep their presence in the neighborhood.



Population Identifying as Black or African American in Seattle's Central District, 1940-2017



Maps created by Cheryl Klotz using Social Explorer for *Building Beloved Community: Thriving Futures for Black Churches in Seattle's Central District*. McKinley Futures Nehemiah Studio, 2019. Seattle, WA: The University of Washington, College of Built Environments. Available at: www.nehemiahinitiativeseattle.org or contact Prof. Rachel Berney at rberney@uw.edu



“Decarbonizing buildings is integral to the Nehemiah Initiative’s vision of re-imagined, community-focused development. Environmental degradation hits Black communities first, harder and for a longer time. Black communities have less economic and political power and lack the benefits of equity and social justice. Without societal protections, these communities are most likely to be harmed by the negative impacts of carbon on climate change, pollution of residential neighborhoods, workplaces and resulting higher costs for utilities and health care.”

-Donald King, FAIA

“The people who will be most dramatically affected by global warming are the poor and marginalized people of the world,”

-Bishop Garry Tyson





Office: Gould Hall
[Research Website](#)
[Curriculum Vitae](#) [pdf]

Renée Cheng

Dean

Renée Cheng joined the College of Built Environments as dean on January 1, 2019. Dean Cheng comes from the University of Minnesota where she was a professor, associate dean of research, head of the school of architecture, and directed an innovative graduate program linking research with practice and licensure. Prior to UMN, she taught at the University of Michigan and the University of Arizona. She is a graduate of Harvard's Graduate School of Design and Harvard College.


A licensed architect, her professional experience includes work for Pei, Cobb, Freed and Partners and Richard Meier and Partners before founding Cheng-Olson Design. Dean Cheng has been honored twice as one of the top 25 most admired design educators in the United States by DesignIntelligence. She has received numerous honors and awards including the 2017 Lean Construction Institute Faculty Award and was named to the American Institute of Architecture's College of Fellows in 2017.

Cheng is a leader in the American Institute of Architects (AIA) and advocates for equity in the field of architecture and in the practices related to the built environment. Recently, Cheng led the research effort for the AIA guides for equitable practice in the workplace. Cheng has pioneered research surrounding the intersection of design and emerging technologies, including work on industry adoption of Integrated Project Delivery, Building Information Modeling and Lean.

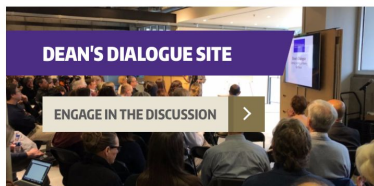
CONTACT THE DEAN

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FROM THE DEAN'S DESK



[Architect Deans List: Renée Cheng on How Comprehensive Design Can Engender Inclusivity](#)

[AIA releases new chapters of "Guides for Equitable Practice"](#)



[Building equity: A talk with Renée Cheng, new dean of the UW College of Built Environments](#)

Thank you!

<http://be.washington.edu/people/renee-cheng/>

