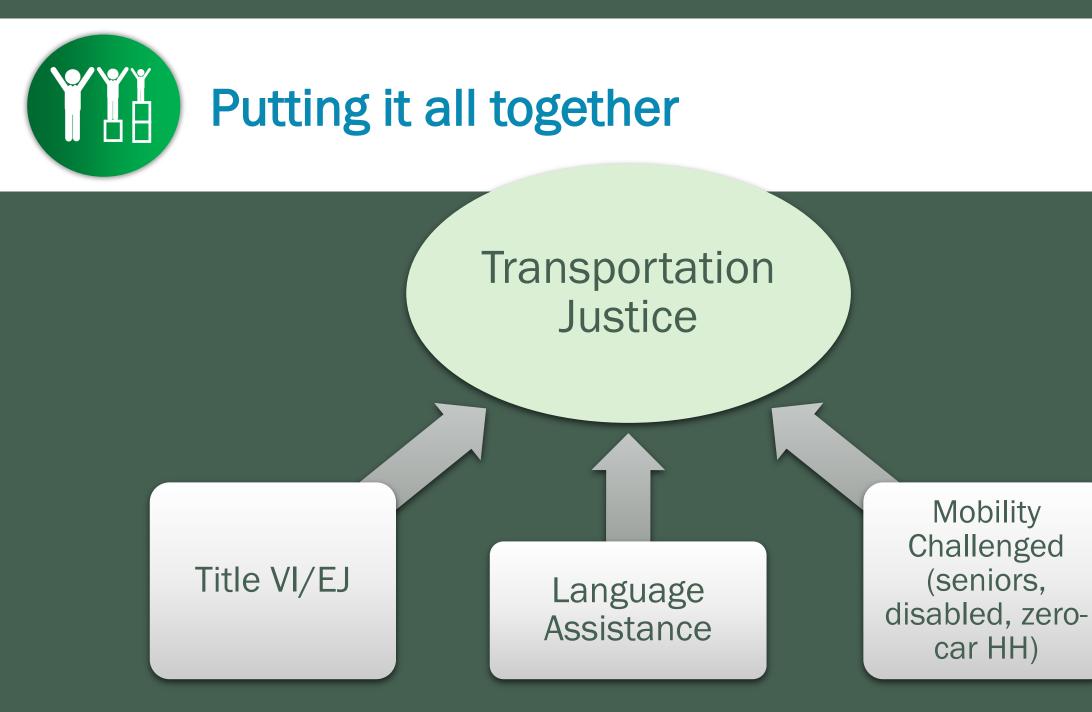


ILMAPCO

2019 Transportation Justice & Title VI Report

Nonmotorized Transportation Working Group April 2019







Title VI and Environmental Justice Analysis

Low-income and racial/ethnic minorities

Introduction
Basic reporting requirements
Demographic profile
Public opinion survey
Spatial analysis
Public outreach
Key recommendations







Seniors, disabled, and zero-car households

o Introduction
o Demographic profile
o Spatial analysis
o Public outreach
o ADA implementation
o Key recommendations







Limited English proficiency/low literacy

o Introduction
o Demographic Profile
o Spatial analysis
o Public outreach
o Key recommendations





Title VI and EJ Analysis





Transportation Equity Concerns

Transportation Access (POS 2018)

• Low-income and blacks

Housing and Transportation Costs

Poverty

Travel Time on Public Transit

Blacks

Concerns to date, by impacted group, based on early analysis



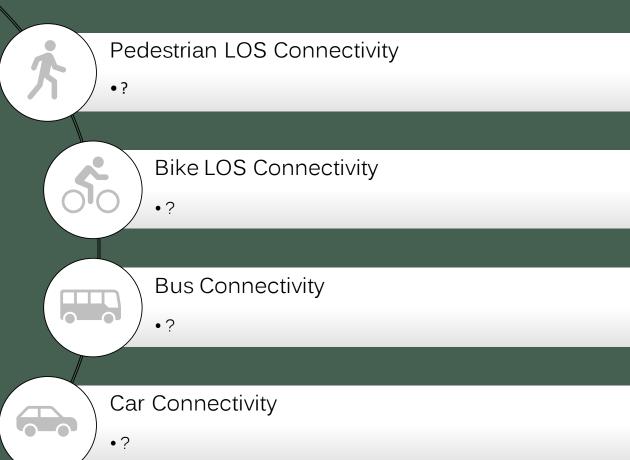


• Blacks





Transportation Equity Concerns



Connectivity analyses forthcoming from CADSR



TJ Analysis: Public Opinion Survey

Public Opinion Survey

low-income and black residents more likely to report transportation difficulties







Transportation sometimes keeps me from activities





Spatial Analysis





Concentrations of low-income and minority populations

 Used in WILMAPCO project prioritization processes
 Points for projects given, or taken

Historically, other spatial analyses



Microsoft





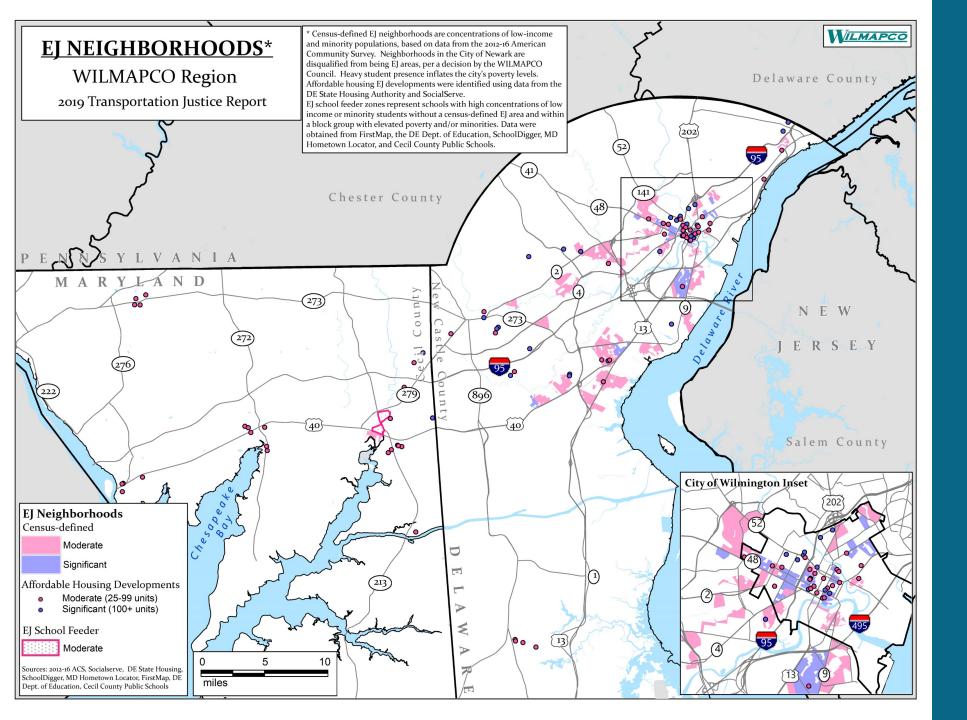
2012-2016 American Community Survey

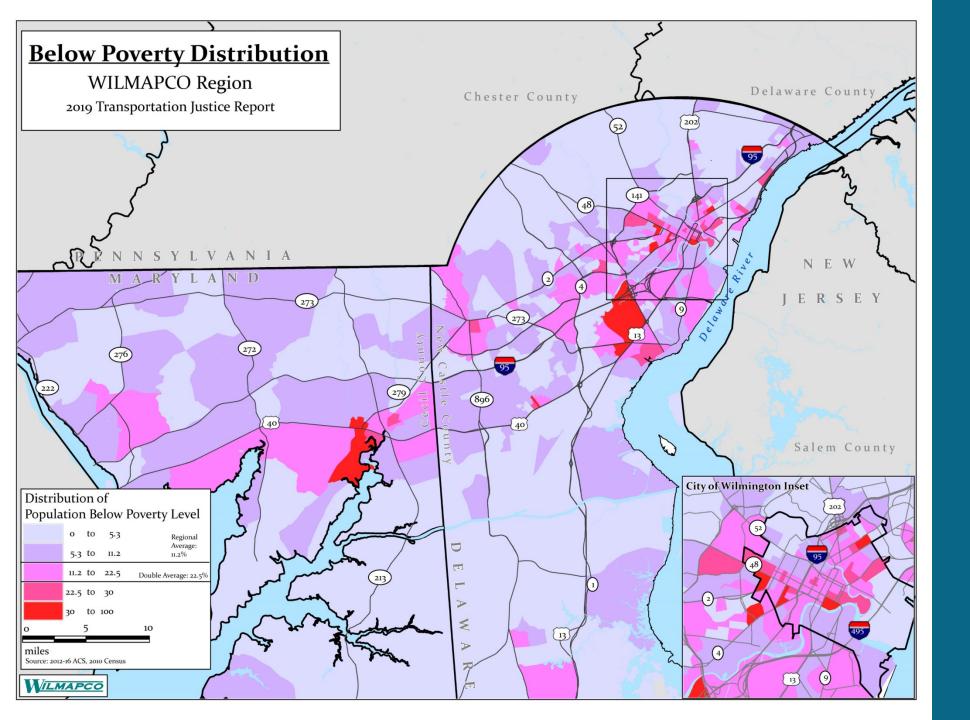
Census block group level analysis

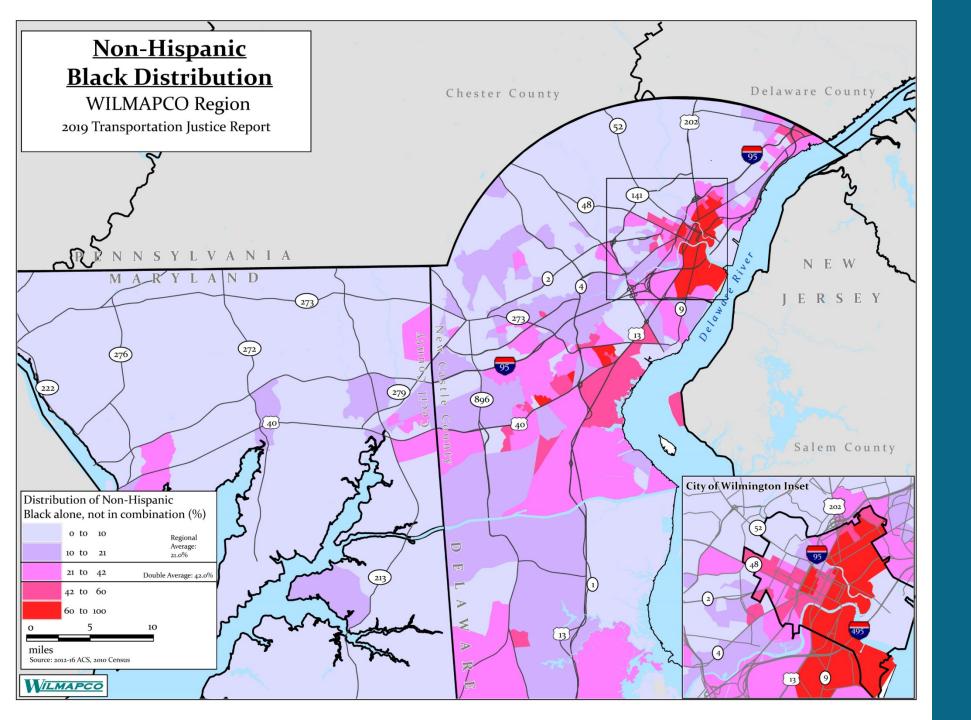
ID heaviest concentrations of EJ groups

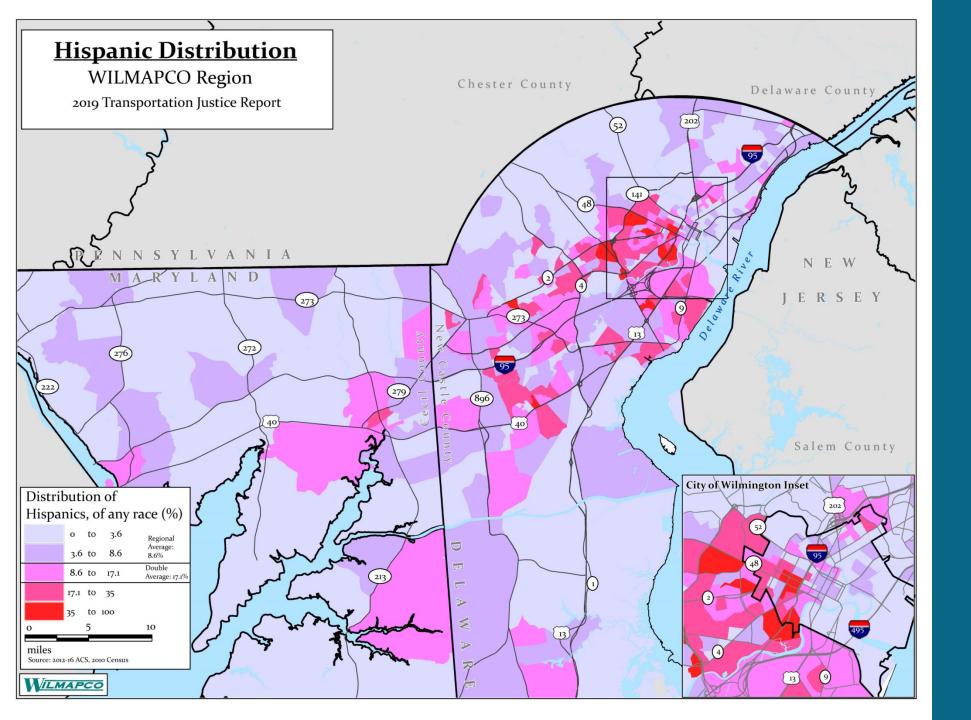
Affordable housing data and elementary school demographic data to ID other areas

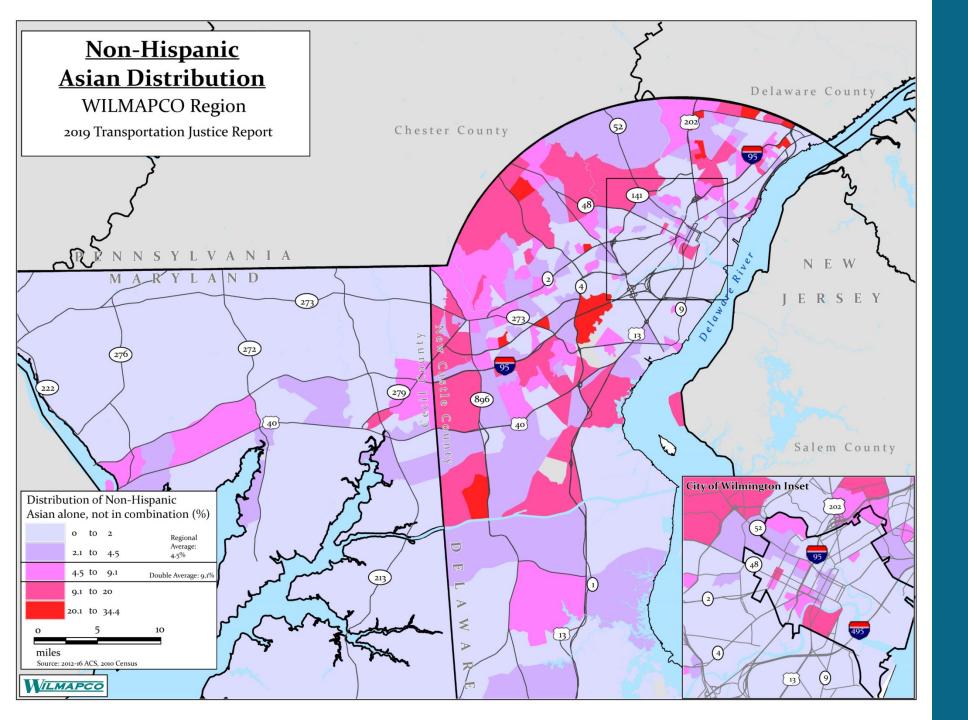


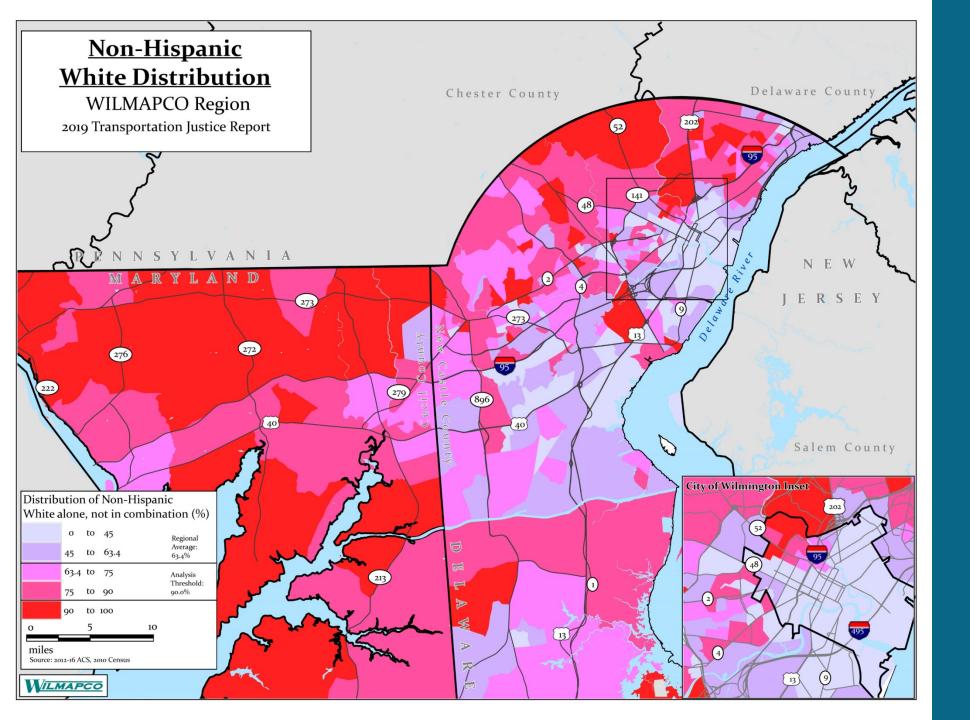






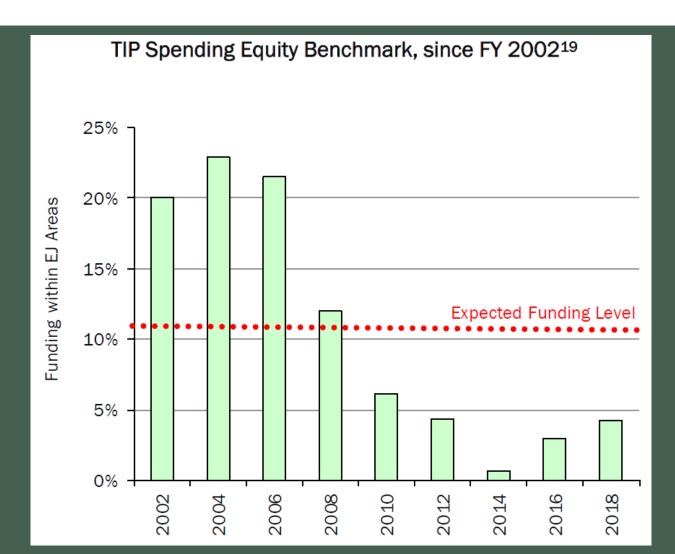














TJ Analysis: TIP Project Equity

Project spending within TJ group concentrations vs. total population of that concentration

Poverty, blacks, Hispanics, Asians

Whites added for comparison

Concentration = >2x the regional %
 For whites, >90%





TJ Analysis: TIP Project Equity

Only "community TIP projects" counted

- Excluded: Expressways, Railways
- Grouped bridge projects assumed equal funding

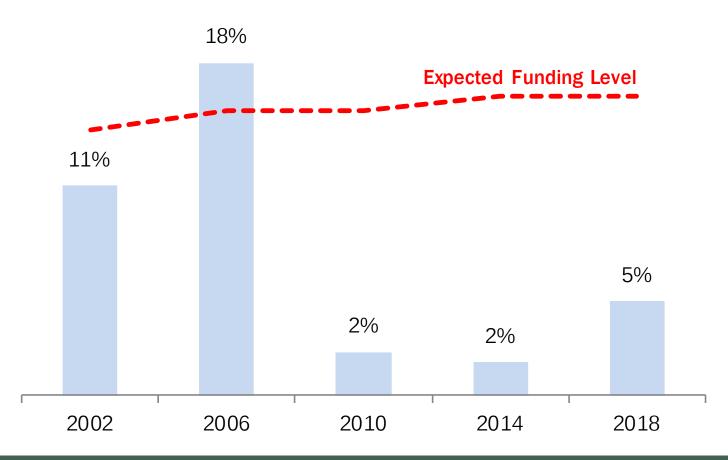
 Wilmington Riverfront projects not counted as "minority" or "low income"
 Shares block groups w/distressed neighborhoods

Versus total TIP funding in equity analysis







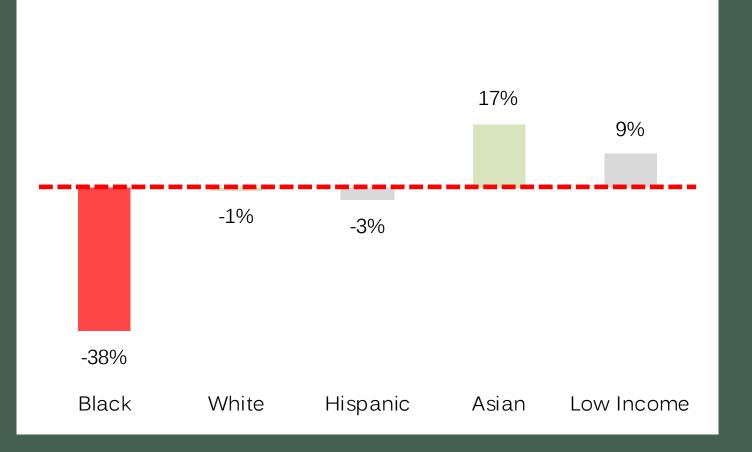


TIP Project Funding Equity within Black Concentrations

"Expected Funding Level" = total population within the black concentrations







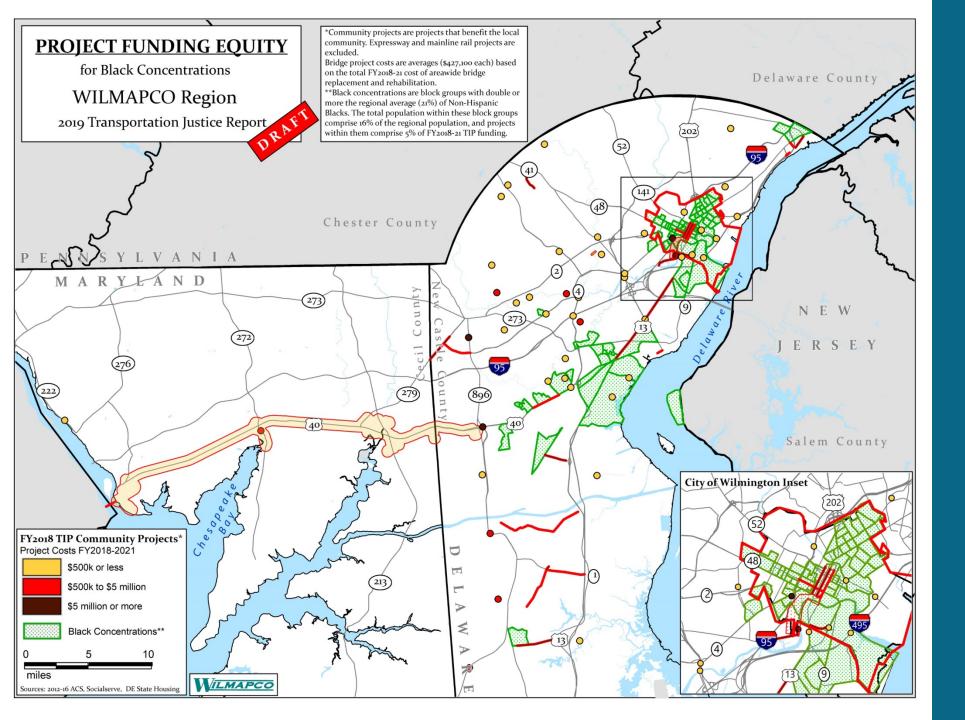
TIP Project Funding Equity within Areas of Concentration 2002 - 2018

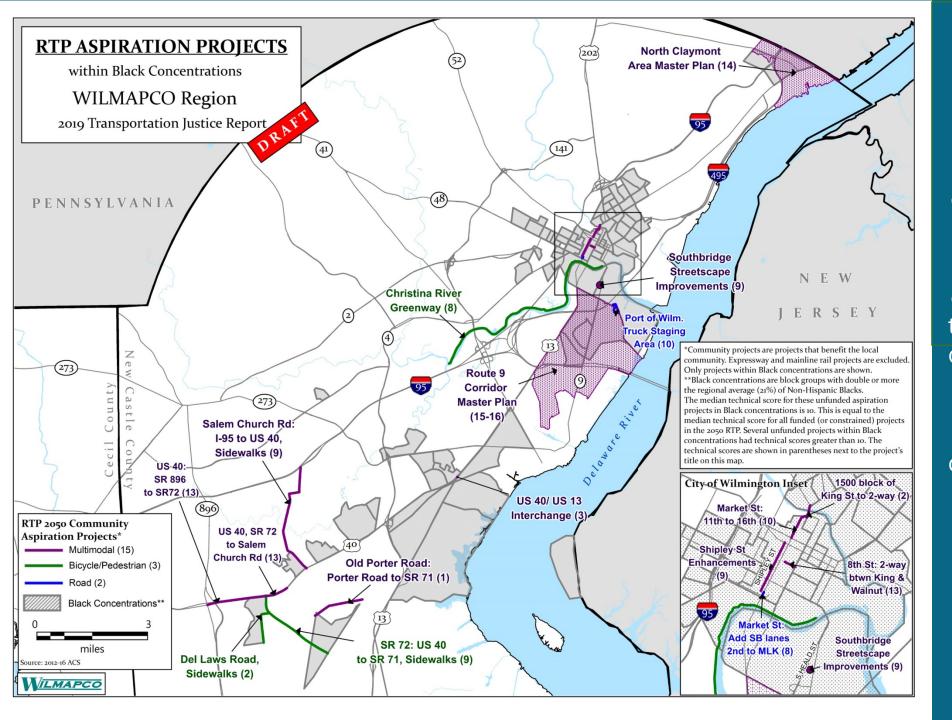
Deviation from "expected" funding levels. Project funding received compared to the total population with the concentrations.

 Summed TIP Spending on "community projects" from years 2002, 2006, 2010, 2014, and 2018.
 Compared to total mappable TIP spend.

Considered racial and ethnic and low income concentrations to be block groups with double or more the regional average for that population, or >90% for whites

 Census data: 2000 Census, 2006 - 2010 ACS, 2012 - 2016 ACS





ASPIRATION (UNFUNDED) PROJECTS W/IN BLACK AREAS

17 total projects

10 Median tech score for these projects & all RTP constrained list projects

5 unfunded projects in black concentrations score >10



TJ Analysis: UPWP Planning Equity

Equitable distribution of Unified Planning Work Program (UPWP) plans

- List of plans undertaken by WILMAPCO
- Considered years 1999 to 2019

Excluded regional level projects

Tag census block groups with UPWP projects

Calculate racial/ethnic and poverty makeup of those places vs. regional average A Plan for Walking and Bicycling in the Town of Perryville

PERRYVILLE GREENWAY PLAN



Developed by WILMAPCO In partnership with The Town of Perrynile, Maryland Cecil County With technical assistance from Design Collective Approved 3.8.2012

WWW.WILMAPCO.ORG/PERRYVILLE





4% 5% 0% -1% Black White Hispanic Asian Low Income

Transportation Planning Equity 1999 - 2019

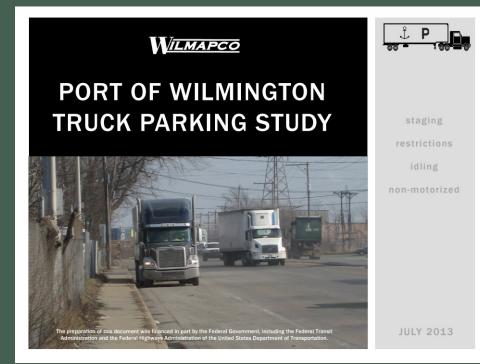
Deviation from "expected" planning levels. The total racial/ethnic and low income populations within block groups with UPWP projects compared to the regional averages for those populations.

Census data: 2000 Census, 2006 - 2010
 ACS, 2012 - 2016 ACS





15 plans within black concentrations
1999 - 2019
9 plans (60%) in 2013 or after







Crashes in TJ group concentration vs. total population within those concentrations

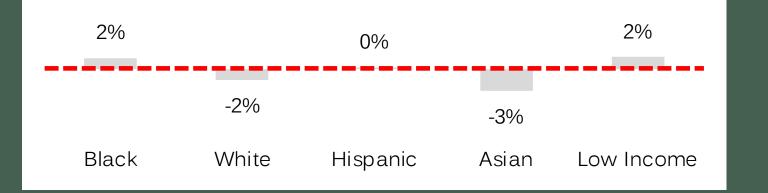
Expressway crashes excluded
Year 2016 data
Total crashes, pedestrian, and bicycle



Photo: Denis Hehman







All Crash Equity within Areas of Concentration in 2016

Deviation from "expected" crash levels. Total crashes compared to the total population within the concentrations.

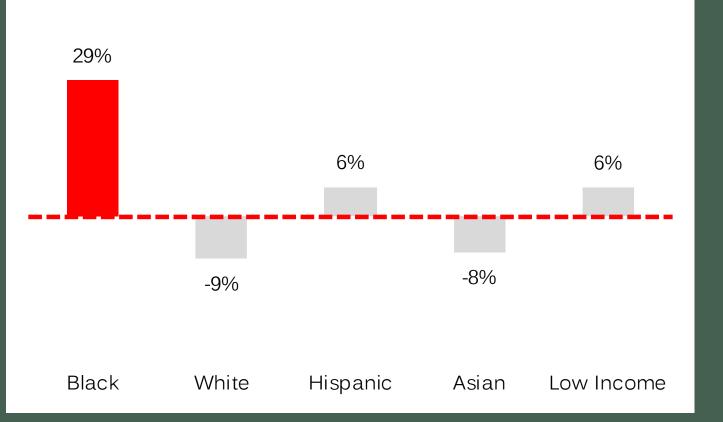
Expressway crashes excluded

Considered racial and ethnic and low income concentrations to be block groups with double or more the regional average for that population, or >90% for whites

2016 data from DelDOT and MDOT; 2012 – 2016 ACS



TJ Analysis: Pedestrian Crash Equity



Pedestrian Crash Equity within Areas of Concentration in 2016

Deviation from "expected" crash levels. Total crashes compared to the total population within the concentrations.

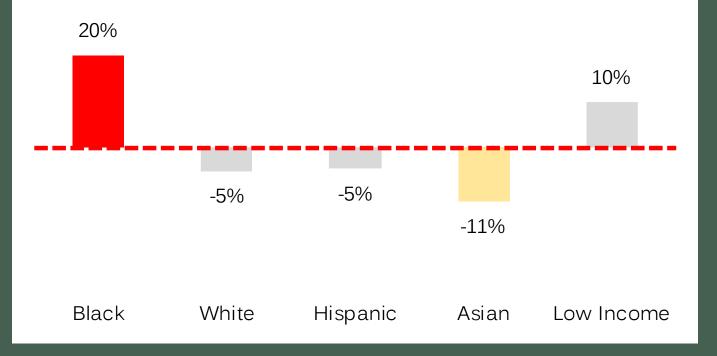
Expressway crashes excluded

Considered racial and ethnic and low income concentrations to be block groups with double or more the regional average for that population, or >90% for whites

2016 data from DelDOT and MDOT; 2012 – 2016 ACS



TJ Analysis: Bicycle Crash Equity



Bicycle Crash Equity within Areas of Concentration in 2016

Deviation from "expected" crash levels. Total crashes compared to the total population within the concentrations.

Expressway crashes excluded

Considered racial and ethnic and low income concentrations to be block groups with double or more the regional average for that population, or >90% for whites

2016 data from DelDOT and MDOT; 2012 – 2016 ACS





Pedestrian/Bike Crashes within in Black Concentrations in 2016

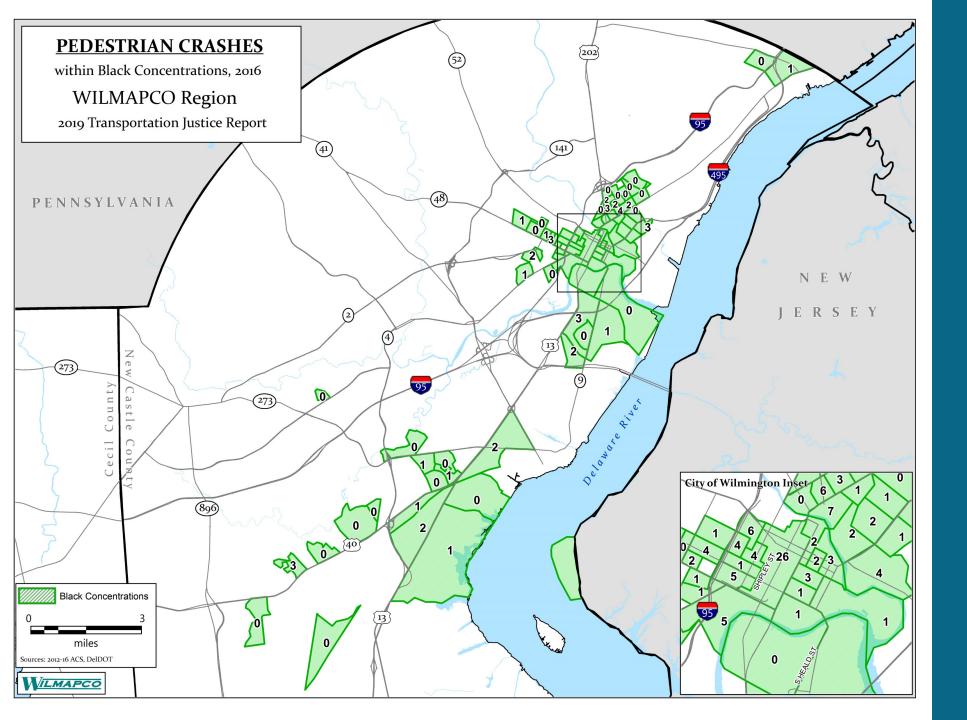
142 pedestrian crashes - 51% of all NCC ped crashes

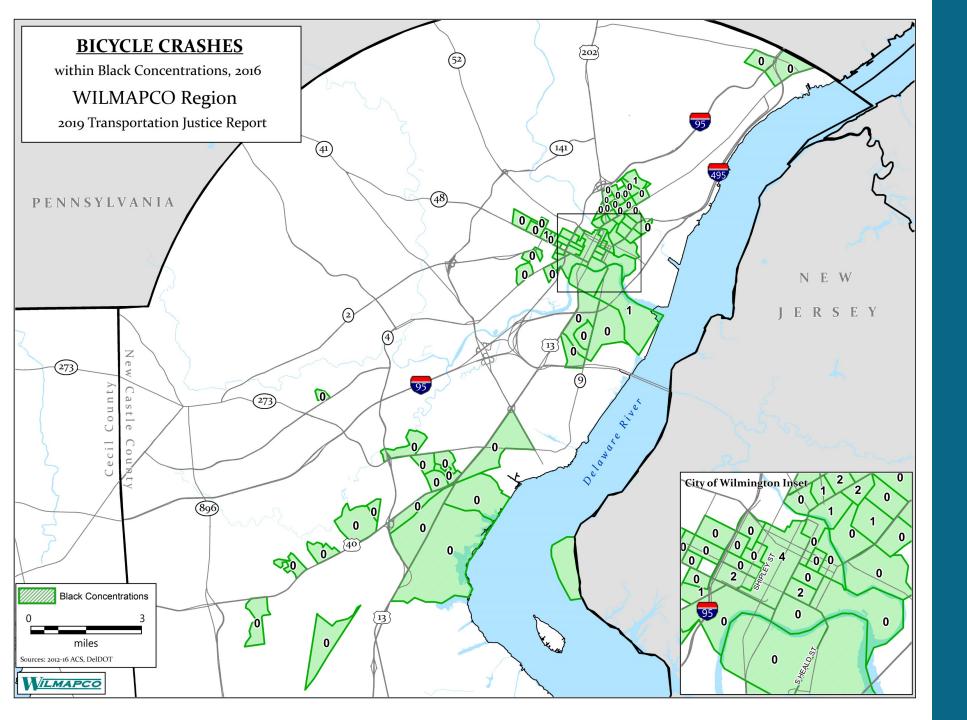
19 bicycle crashes - 41% of all NCC bike crashes

16% - NCC's population within black concentrations



Photo: Delaware Free News







TJ Analysis: Location Efficiency

Transportation and Housing Costs Affordability

Center for Neighborhood Technology data

Transportation/housing costs for lower-income household (80% of median income)

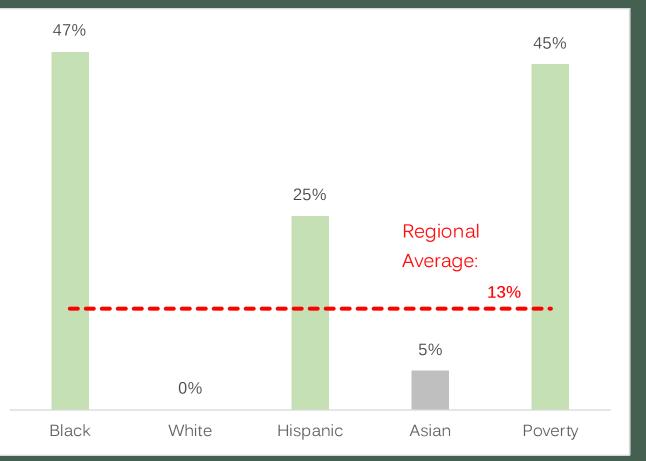
Affordability of neighborhoods within racial/ethnic and poverty concentrations for a lower-income household





TJ Analysis: Location Efficiency

Affordable neighborhoods by concentration



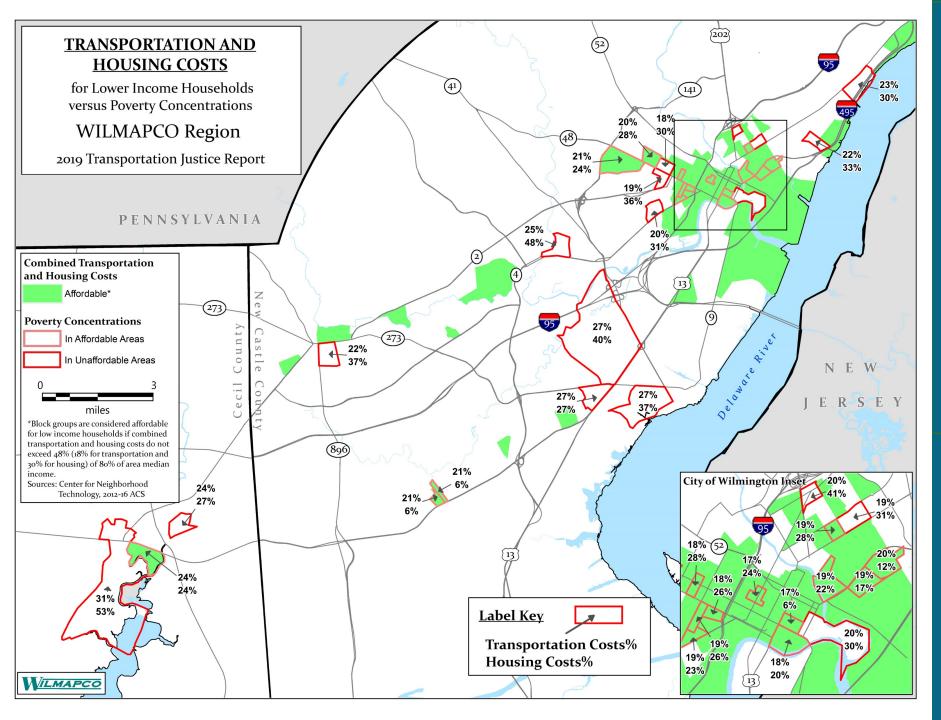
T+H Affordability within Areas of Concentration 2012-2016

Percentage of affordable neighborhoods (block groups) within areas of concentration.

Affordable is defined as having combined transportation and housing costs less than 48% of household expenses for a household earning 80% of median regional income.

Considered racial and ethnic and low income concentrations to be block groups with double or more the regional average for that population, or >90% for whites

2012 - 2016 ACS



T+H COST AFFORDABILITY FOR LOWER INCOME HH WITHIN POVERTY CONCENTRATIONS

6% of high poverty neighborhoods have affordable transportation costs

58% of high poverty neighborhoods have affordable housing costs

 $\frac{1}{4}$ of high poverty

neighborhoods have equal or higher transportation costs than housing costs





Title VI/EJ – Outreach Recommendations

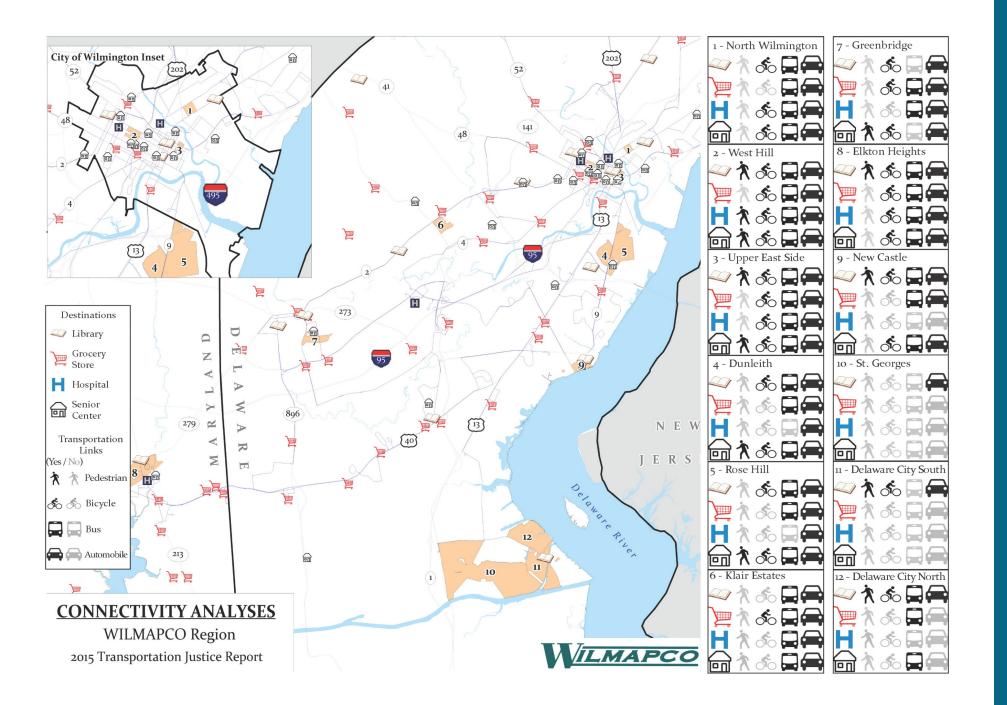
Connectivity analysis (CADSR data)

Mobility-Challenged Chapter (technical analysis/outreach recommendations)

Projected Council endorsement in Nov. 2019







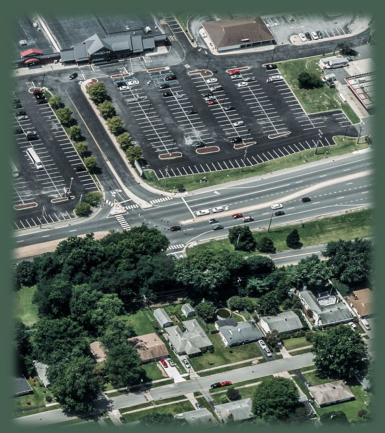




Extended analysis: all regional block groups to destinations (calculated at housing unit level) by mode

Block groups with TJ and MC and other variables flagged for equity analysis

Rich regional AND equity based analyses



Air photo: Microsoft









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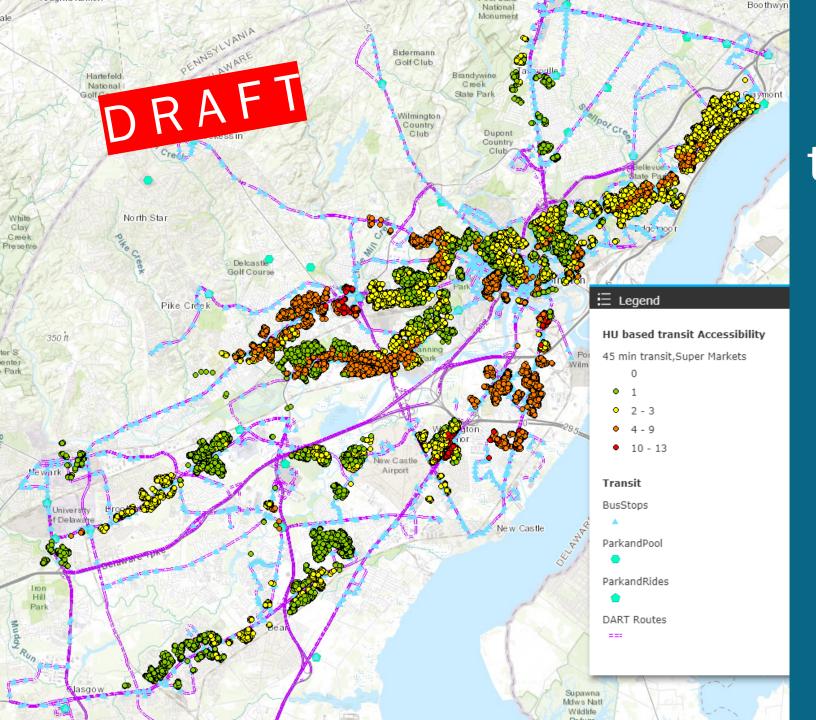




10 minute accessible walking trip
10 minute accessible biking trip

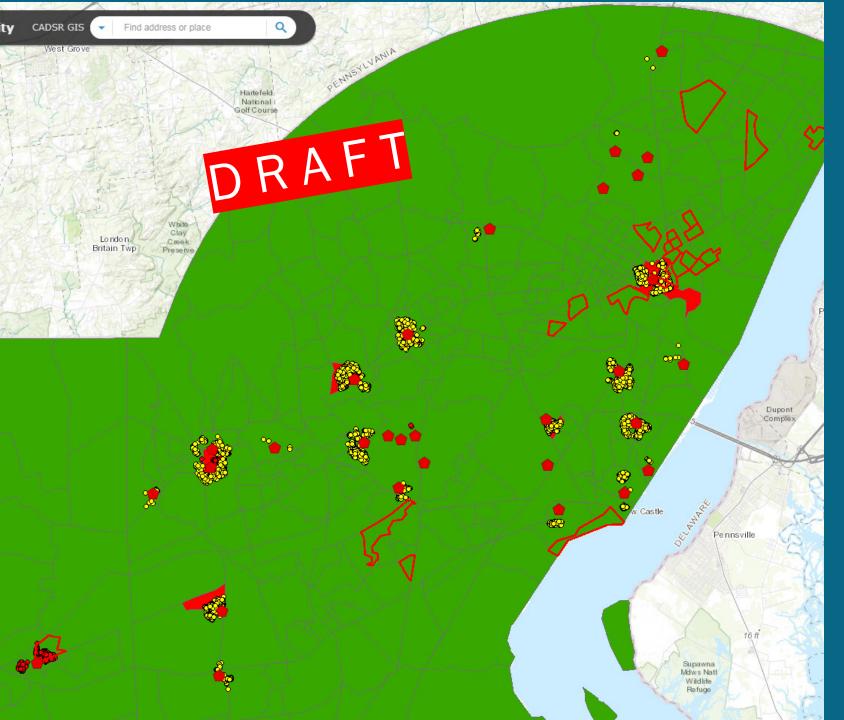
15 minute accessible car trip

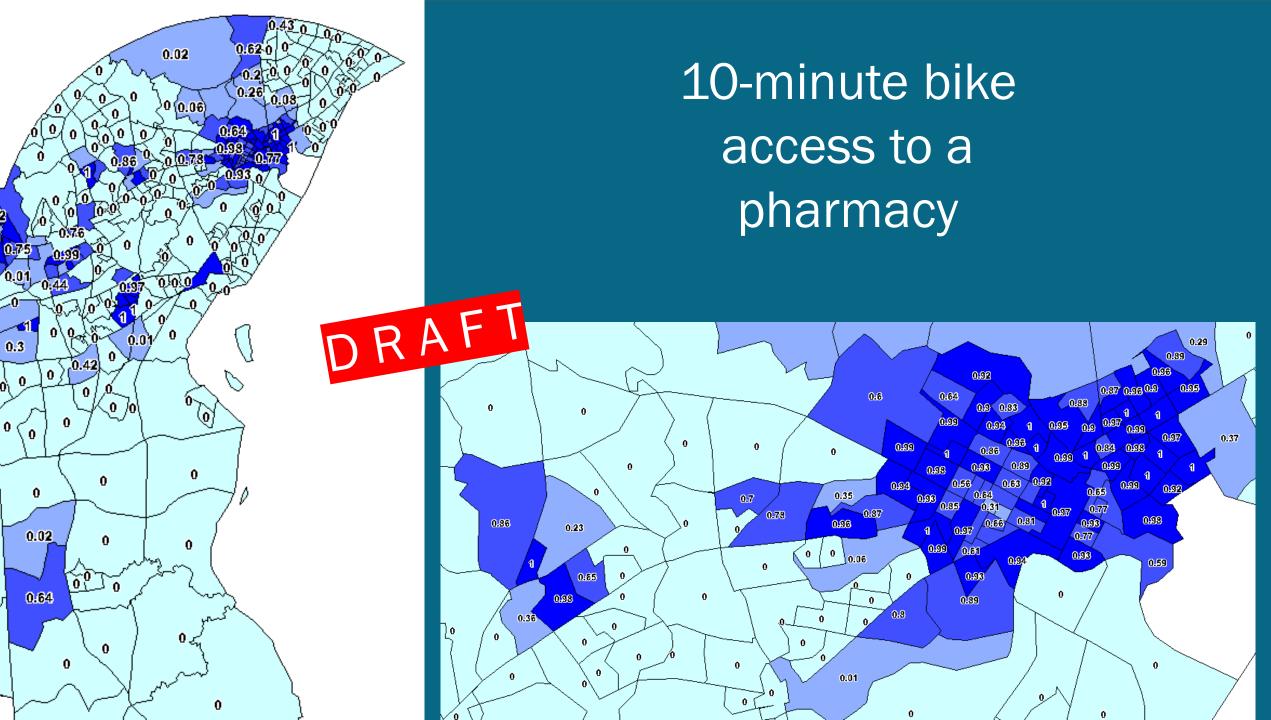
45 minute accessible, one-way bus trip (including no more than 15 mins walking, total)



45-minute transit trip to supermarket

10-minute walk access to a low-wage center





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