



BUS ACCESS & CONNECTIVITY ANALYSIS

Among Vulnerable Populations in the Wilmington, Delaware Region

> WILMAPCO PAC June 2020



Public Transportation

Channel for viral spread



Essential transportation



1920 Pandemic



2020 Pandemic





DART Pandemic-related Measures

- Reduced daily runs
 - 38% of normal before May 17
- Free (before June 1); cashless discounts today
- Physical distancing/face coverings
 - Extra "timing" buses
- Riders that have been out-of-state (before June 1), or potentially exposed to the virus asked not to ride





Cecil Transit Pandemic-related Measures

- Reduced service (prior to June 8)
 - No Elkton-Newark and Commuter Connection lines
 - Glasgow Connection demand response only
 - No Saturday service (still in place)
- Face coverings required
- Riders with potential virus exposure banned (prior to June 8)
- Physical distancing





Recent New Castle County Bus Ridership





Recent Cecil County Bus Ridership





How good is coverage to vulnerable groups?

- Food deserts
 Access and frequency on buses to supermarkets
- Areas of Social Determinates
 of Health Concern
 Access and frequency of all buses







Sheltering in Place, Philadelphia MSA





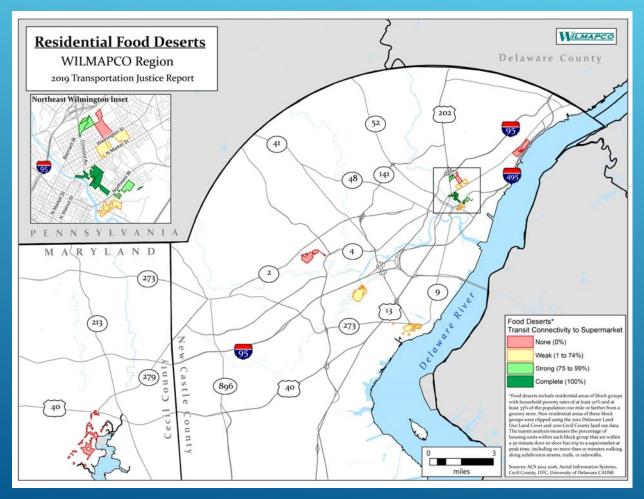


Sheltering in Place, Philadelphia MSA









2019 TJ REPORT

Block groups with >20% poverty where >=33% of the population are >=1 mile from a supermarket

Only residential areas shown

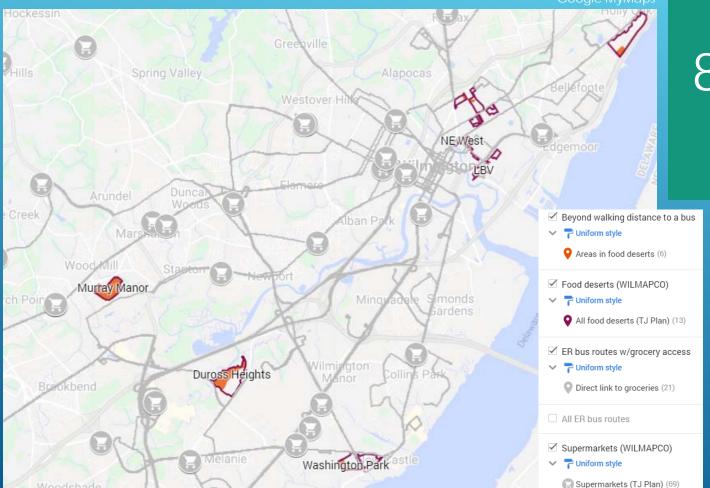




NEW CASTLE CO.

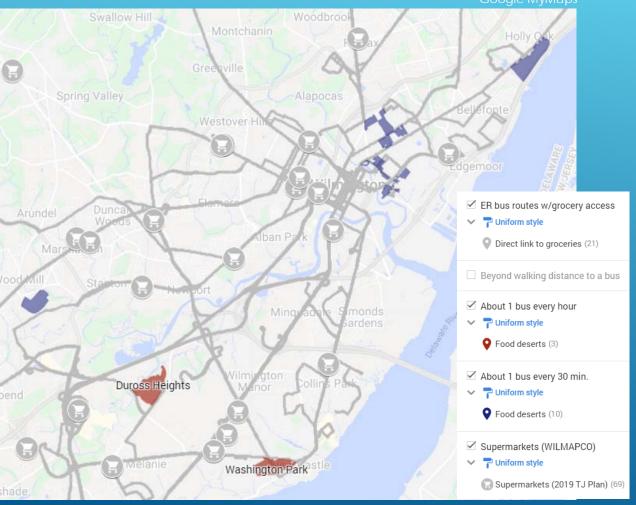
80%

of households in food deserts are within WALKING DISTANCE to a bus with direct access to a supermarket









NEW CASTLE CO.

65%

of households in food deserts had accessible, relatively GOOD FREQUENCY bus service to supermarkets





✓ Selected Cross-County bus stops Uniform style Elkton area (9) ✓ Beyond walking distance to bus Uniform style Residential areas (1) ✓ Food deserts Uniform style Pood deserts (2019 TJ Plan) (1) ✓ Supermarkets (WILMAPCO) Uniform style Supermarkets (TJ Plan) (69)

CECIL CO.

4%

of households in food deserts are within WALKING DISTANCE to a bus with direct access to a supermarket





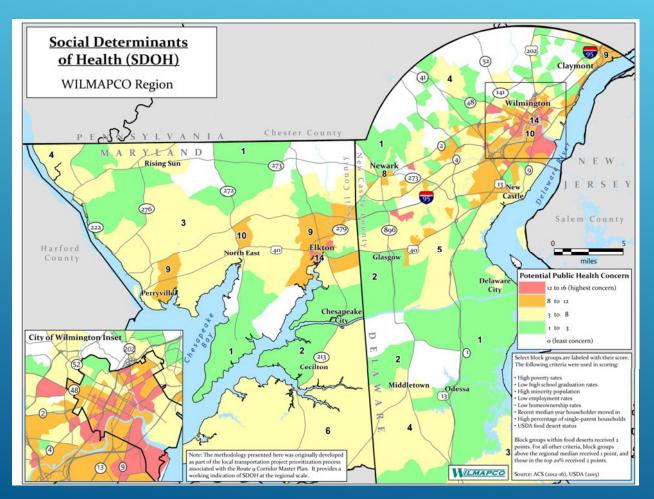




Google MyMap













Householder

Tenure

Homeownership Rate



High School Graduation Rate



Minority Segregation



Single Parent Households





Food Deserts





kbend

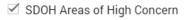
Woodshade.

North Star Arundel Duncal Woods Pike Creek Mars hallton

NEW CASTLE CO.

91%

of households in areas of SDOH concern were within WALKING DISTANCE to bus service



Uniform style

Collins Park

Residential areas (135)

✓ Beyond walking distance to bus

📅 Uniform style

Residential areas (7)

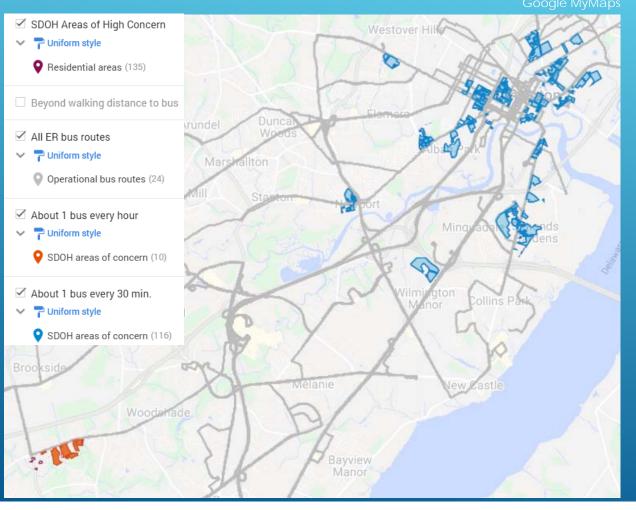
✓ All ER bus routes

🖊 🚏 Uniform style

Operational bus routes (24)





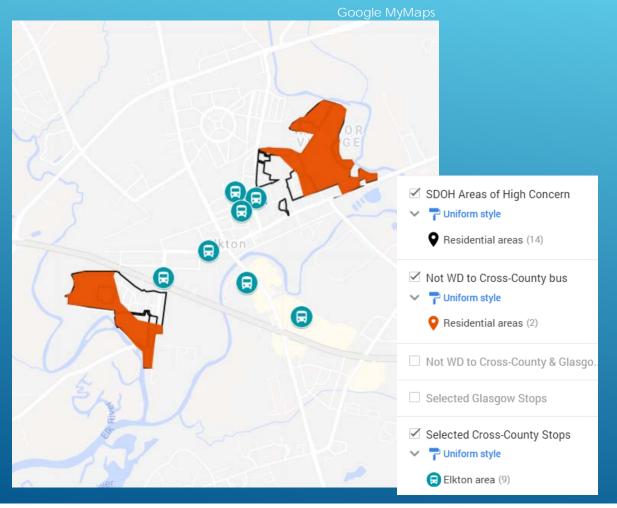


NEW CASTLE CO.

of households in areas of SDOH 86% concern na accessible, concern have relatively **GOOD FREQUENCY** bus service







CECIL CO.

30%

of households in areas of SDOH concern were within WALKING DISTANCE to Cross-County bus service





SDOH Areas of High Concern Uniform style Residential areas (14) ☐ Not WD to Cross-County bus **6** ✓ Not WD to Cross-County & Glasgo... Uniform style Residential areas (2) Selected Glasgow Stops Tuniform style Elkton area (36) ✓ Selected Cross-County Stops Uniform style

Elkton area (9)

CECIL CO.

78%

of households in areas of SDOH concern were within WALKING DISTANCE to Cross-County and Glasgow bus service







