



Montgomery Planning | Countywide Planning and Policy

03/18/2021
Agenda item 03

Pedestrian Master Plan Briefing

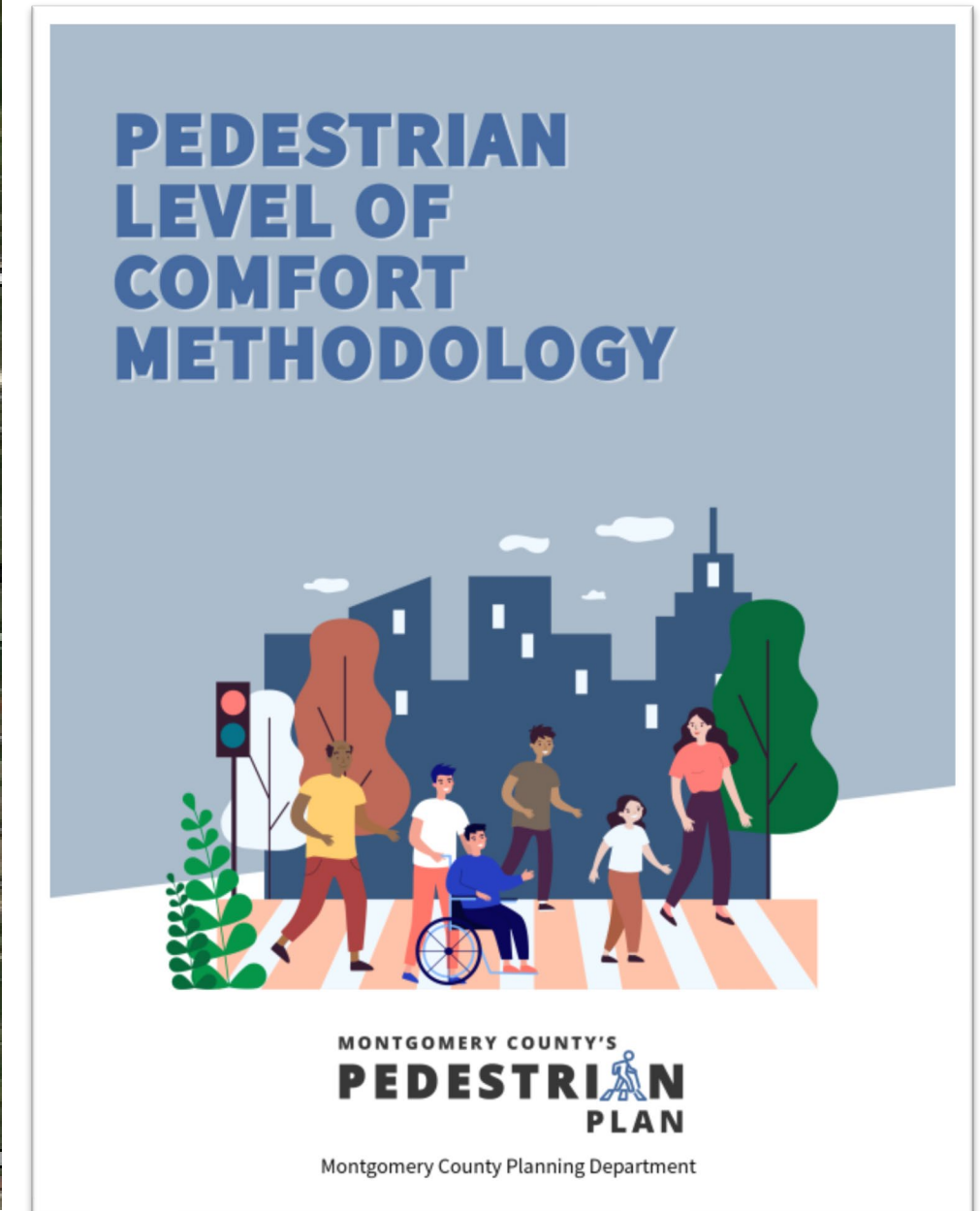
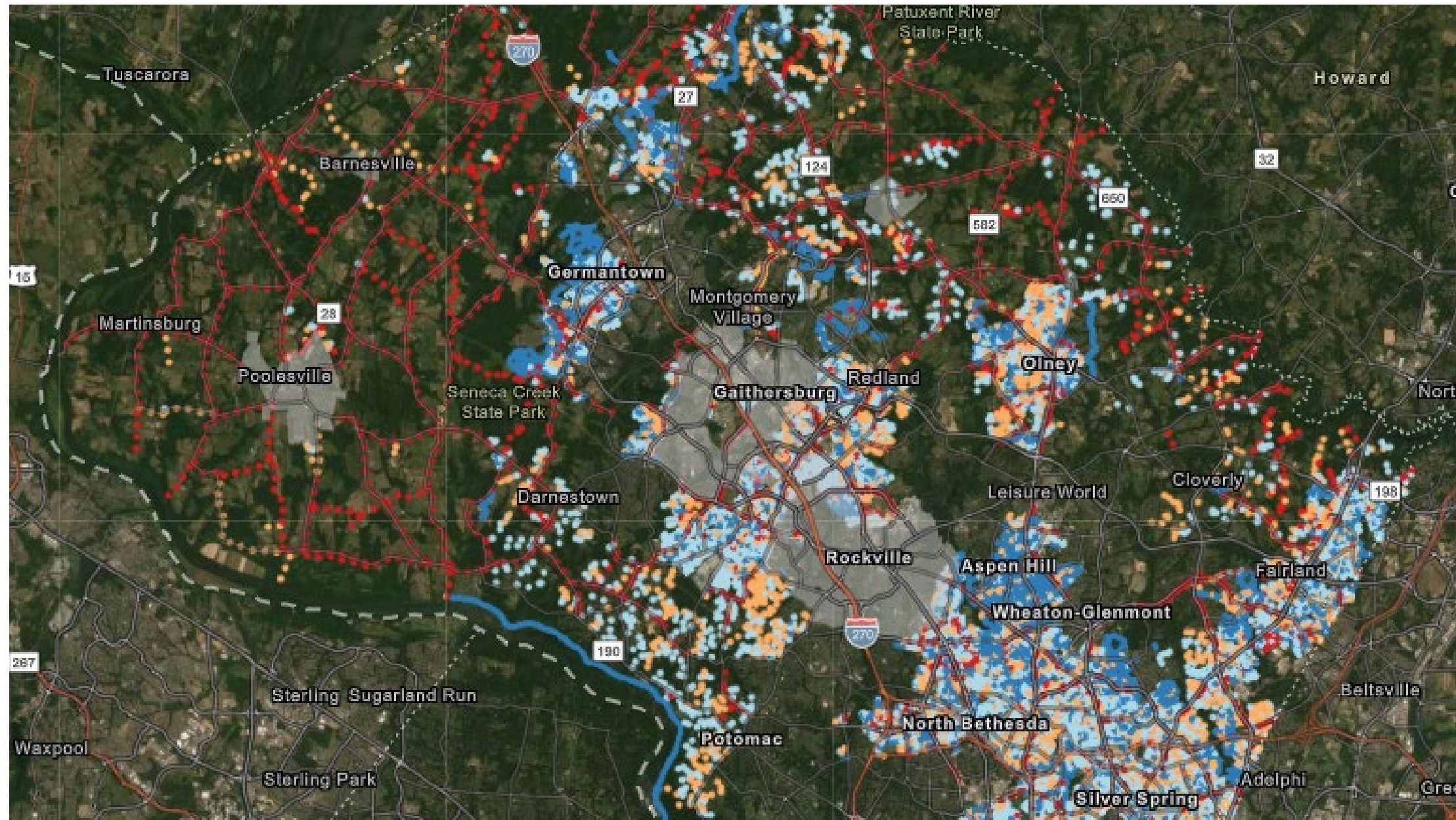


Agenda

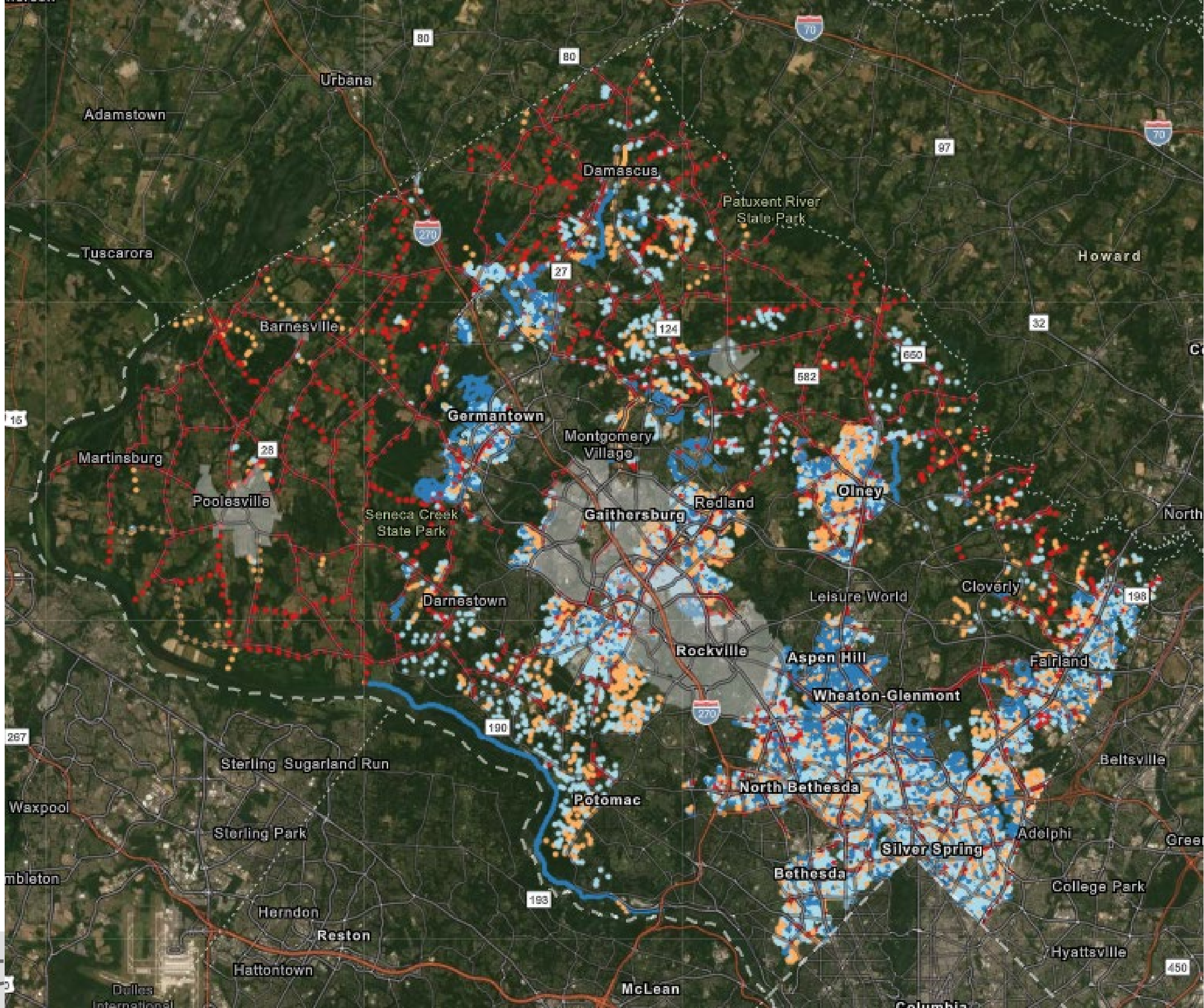
- Pedestrian Level of Comfort Status
- Countywide Pedestrian Survey
 - Purpose
 - Process
 - Results
- Existing Conditions Report Elements



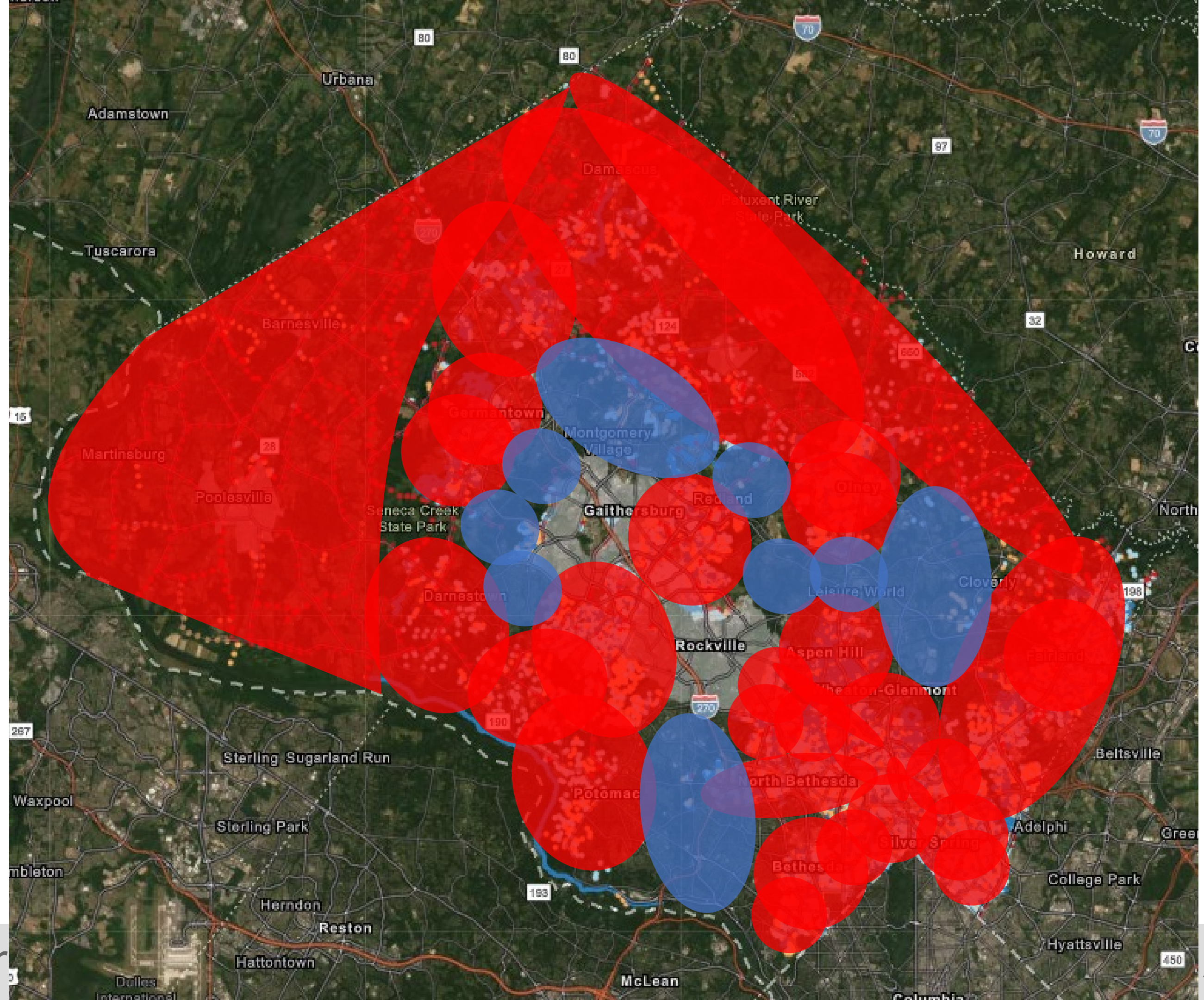
Pedestrian Level of Comfort Update



PLOC Today

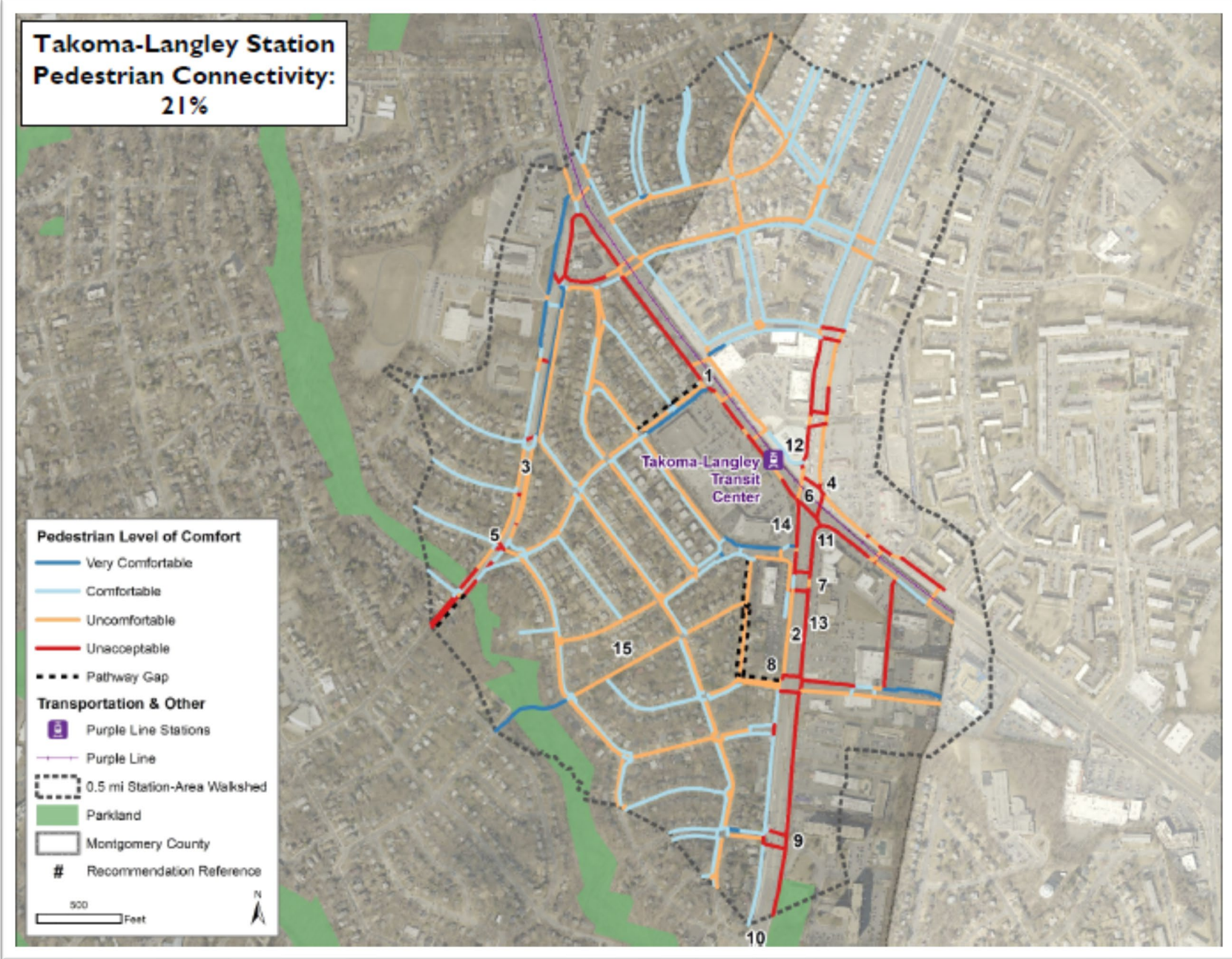
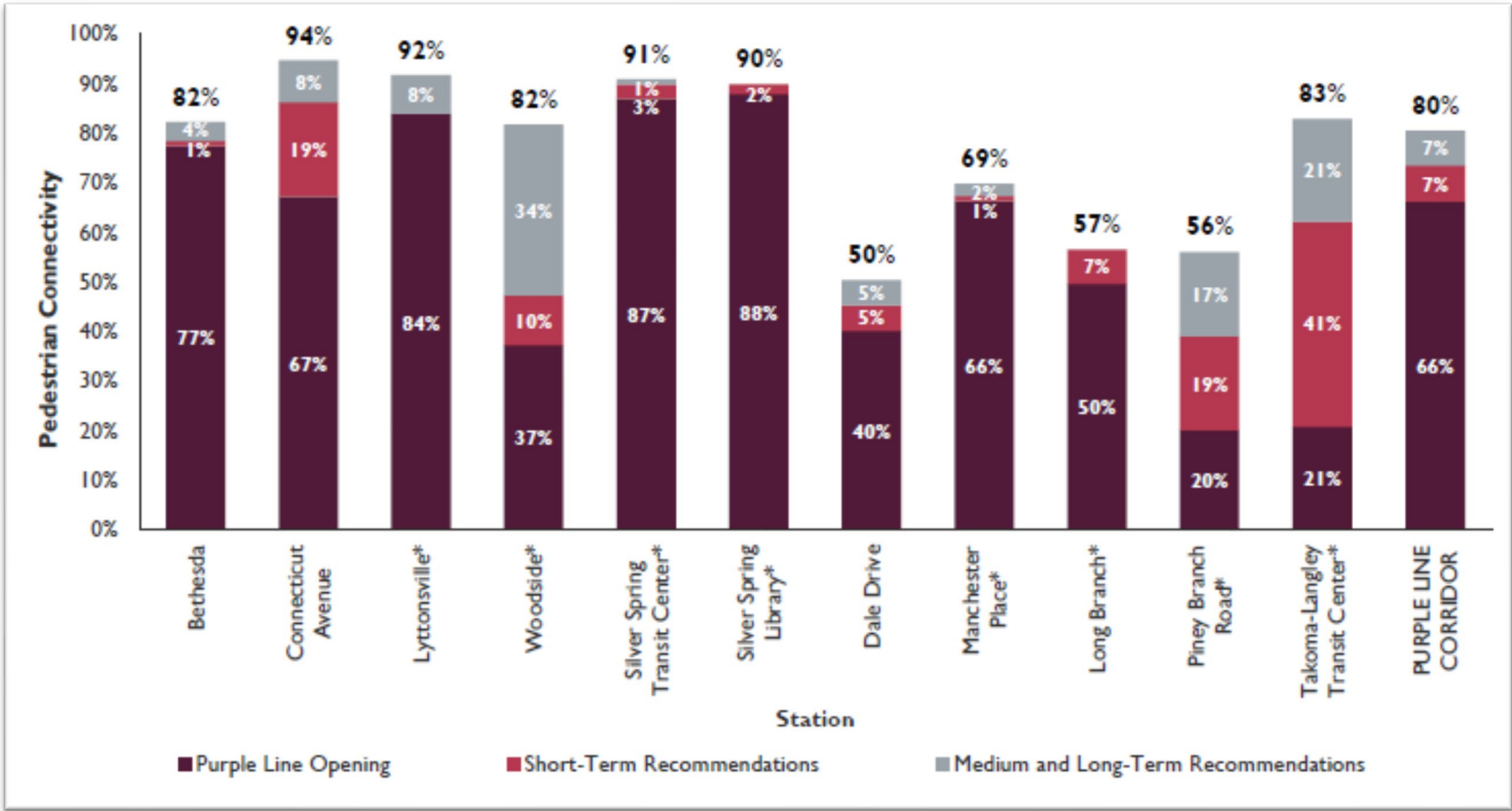


- Completed most of the county (**RED**)
- Currently filling in gaps between activity centers (**BLUE**)
 - Prioritizing locations with more development activity



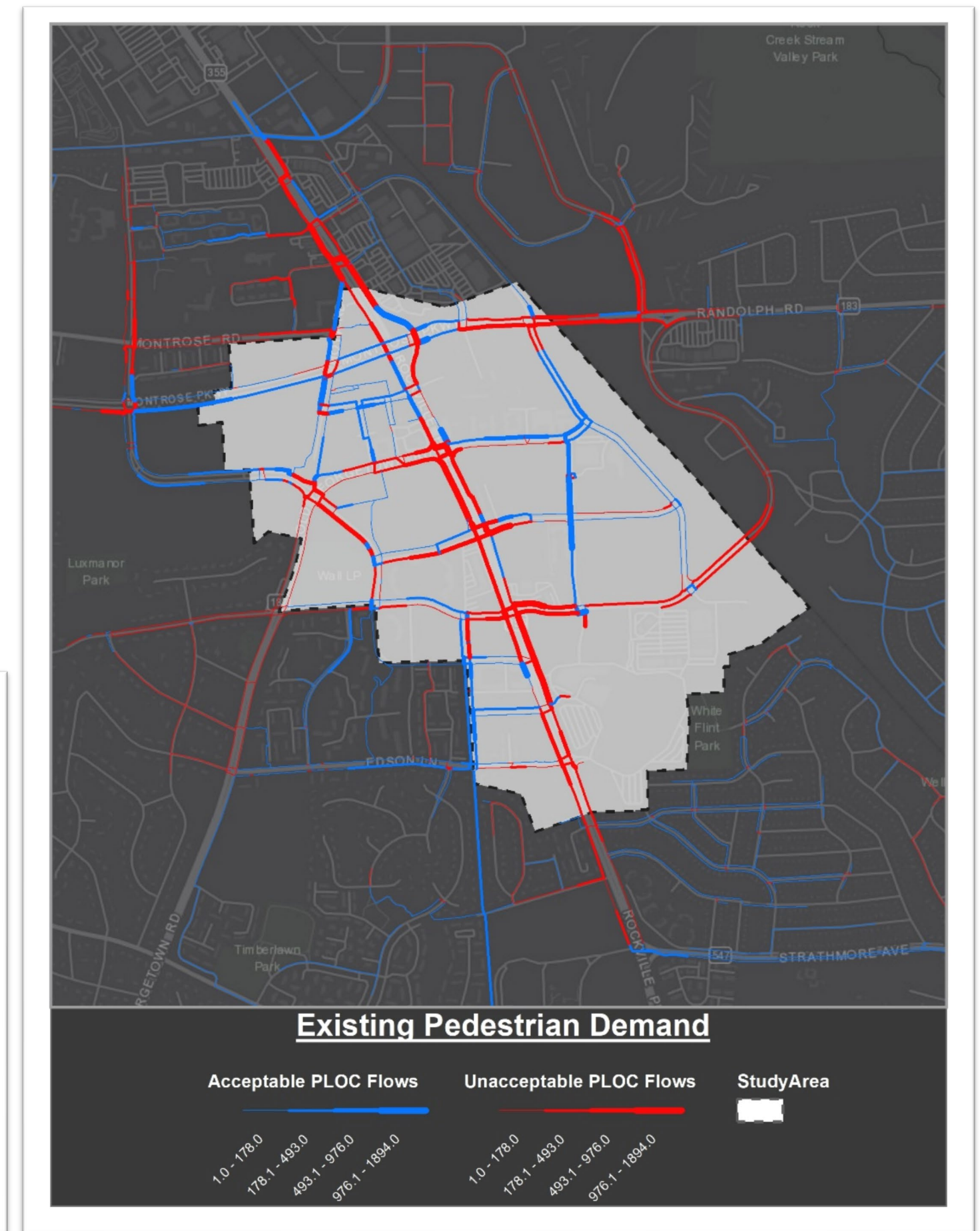
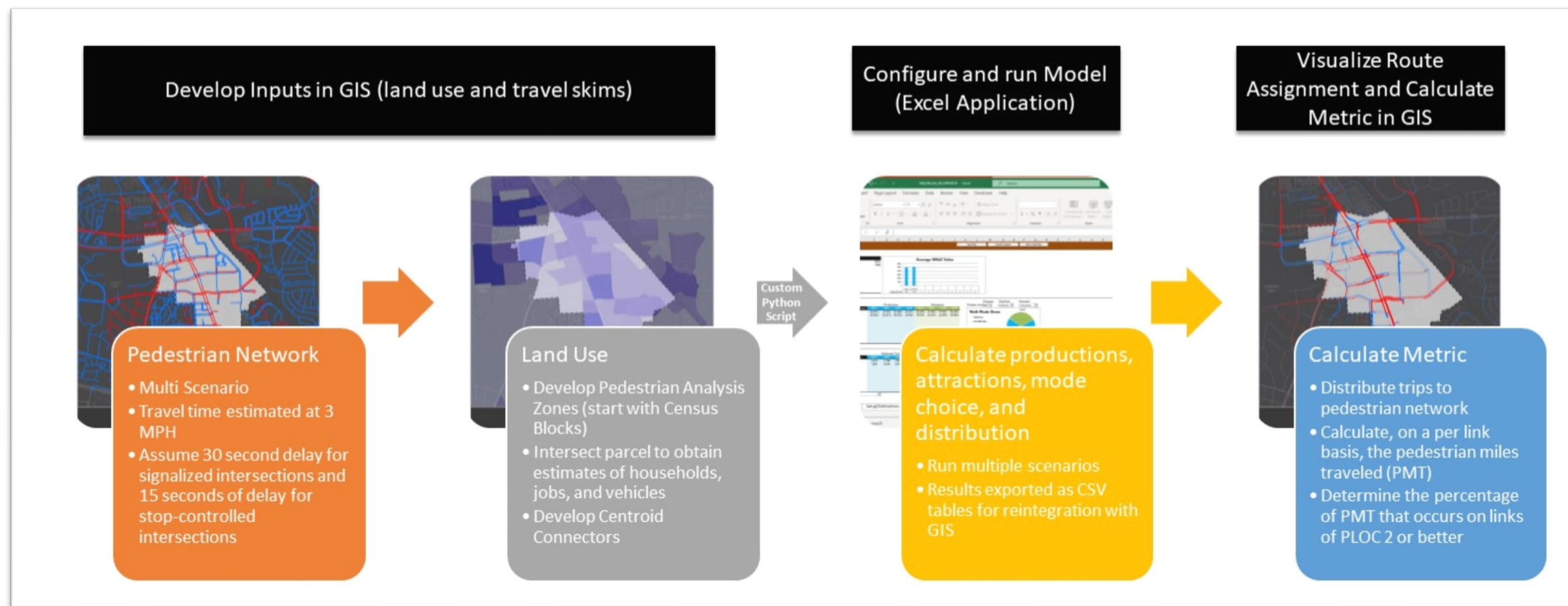
Pedestrian Level of Comfort Update

- PLOC Application
 - Purple Line Connectivity Report



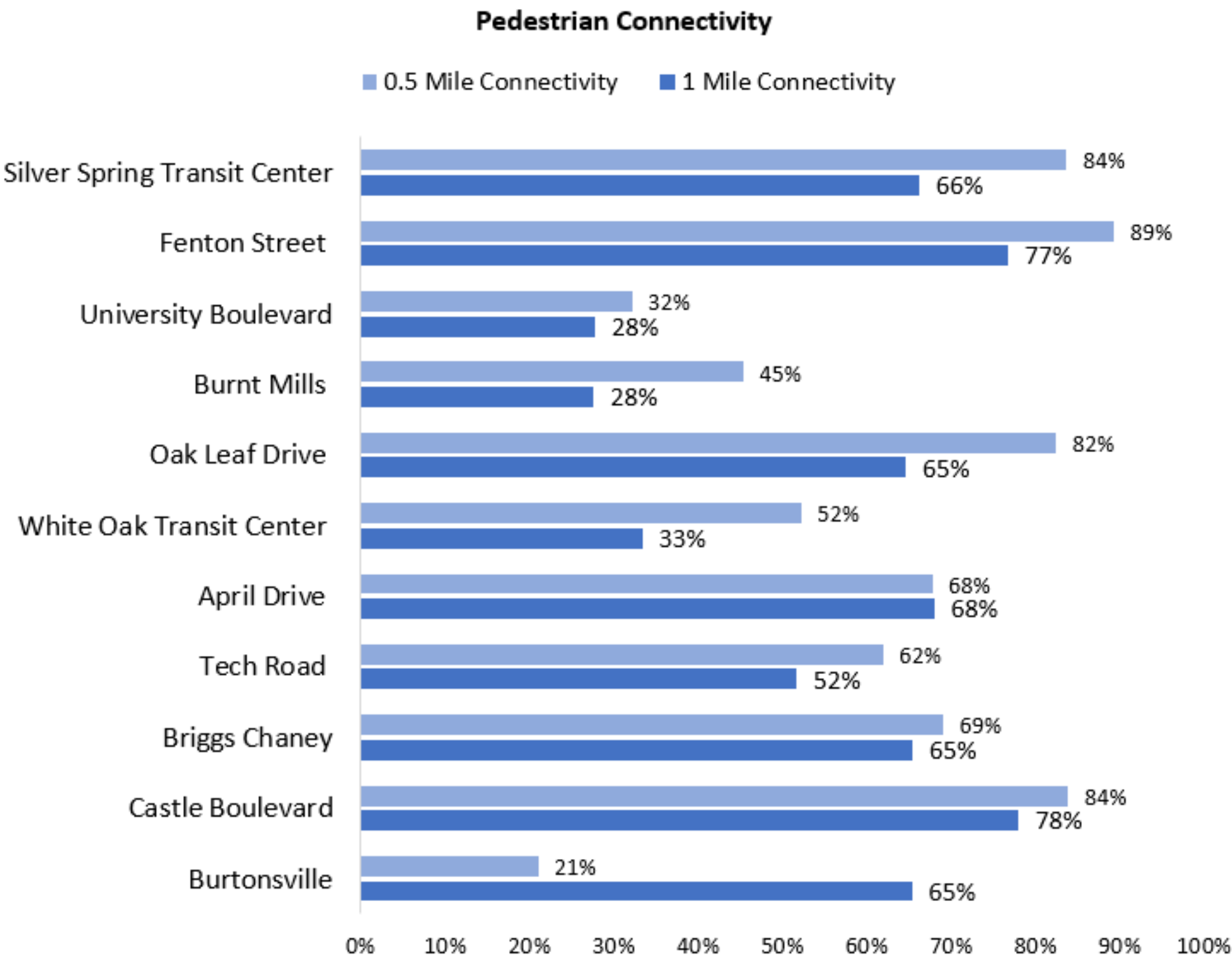
Pedestrian Level of Comfort Update

- PLOC Application
 - Accelerating the Pike District



Pedestrian Level of Comfort Update

- PLOC Application
 - US 29 Mobility Reliability Study



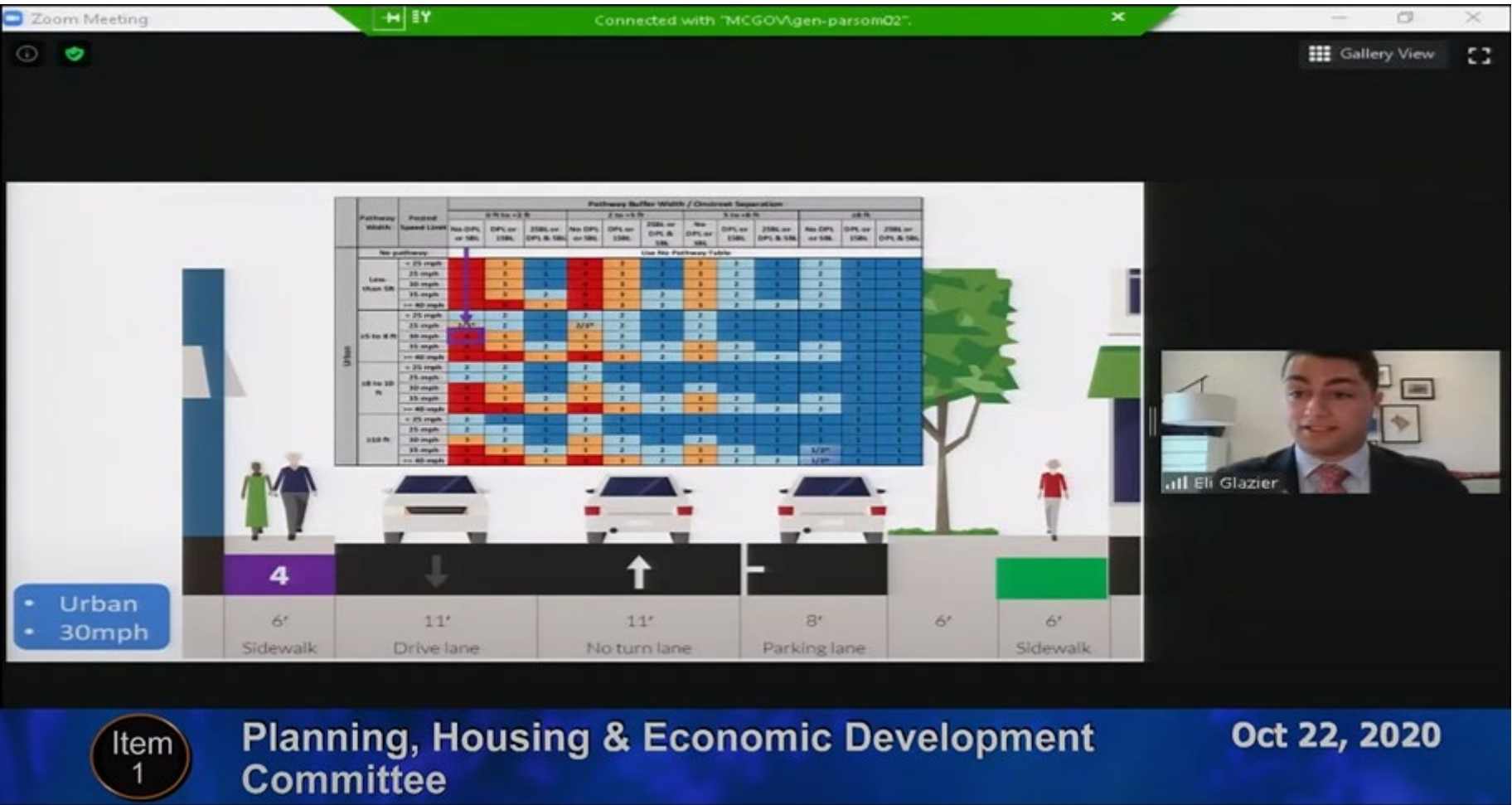
Pedestrian Level of Comfort Update

- PLOC Application
 - Incorporation into GIP Local Area Transportation Review (LATR)

Table T3. Pedestrian Adequacy Test Scoping

Peak-hour Person Trips Generated	Red and Orange Policy Area Walkshed*	Yellow and Green Policy Area Walkshed*
50-99	400'	250'
100-199	750'	400'
200-349	900'	500'
350 or more	1,000'	600'

*The maximum required length of sidewalk and streetlighting improvements beyond the frontage is 4 times the appropriate value in this column. The maximum span required for ADA improvements beyond the frontage is equal to the appropriate value in this column.



Countywide Pedestrian Survey

- The first statistically-valid countywide survey to understand how and why people walk and roll in Montgomery County

**MONTGOMERY COUNTY'S
PEDESTRIAN
SURVEY**

Thank you for participating in the Montgomery County Pedestrian Survey!

The purpose of this survey is to learn from you and others who walk, run, jog, or roll (using wheelchairs or other mobility devices) within Montgomery County. This survey will help the Montgomery County Planning Department understand travel patterns and preferences to make the county's **Pedestrian Master Plan** the best it can be.

Your answers will not be linked to any personal information and will be analyzed together with many other survey responses.

Participants who complete the survey can enter for a chance to win one of ten \$100 Visa gift cards.

This survey is conducted by RSG, an independent market research firm. RSG's privacy policy [can be found here](#).

We are committed to protecting the confidentiality, integrity, and security of your personal information. We take this responsibility seriously. Our privacy documentation is intended to help you understand how we collect, share, and safeguard your information. Information about privacy for this survey [can be found here](#).

Survey Instructions

Use the "Next" and "Previous" buttons below to navigate the survey. Do **NOT** use your browser's "forward" and "back" buttons because your answers will **NOT** be recorded.

This survey will take about 10-15 minutes.

This survey can be taken on a laptop, desktop computer, or mobile device.

By clicking "Next", I consent to participate in the survey.

Next >

© 2020, RSG | [Privacy Policy](#) Questions or comments? Contact us at pedsurvey@rsgsurvey.com

6%

Purpose

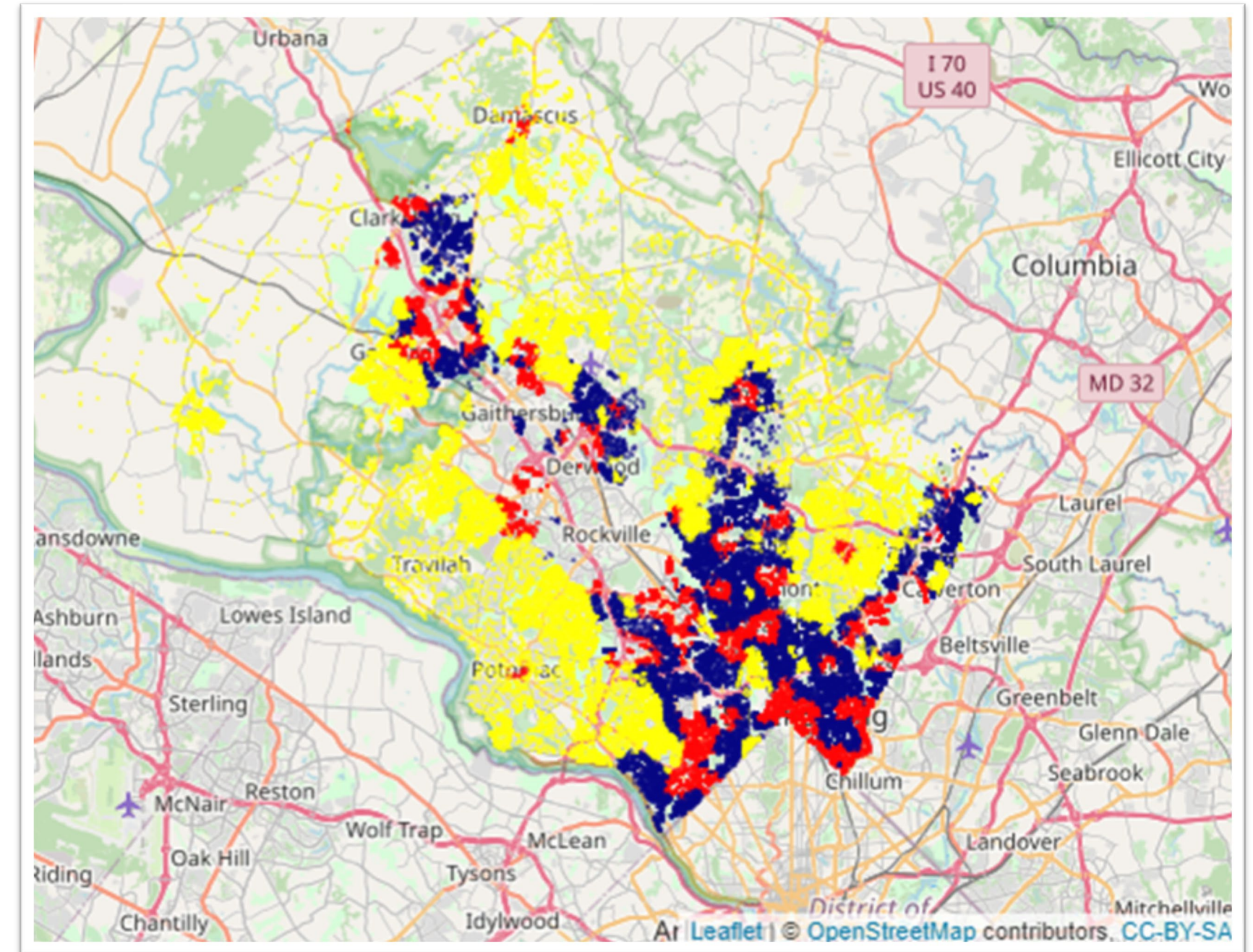
- Increase understanding of existing conditions/perceptions/attitudes
- Identify potential recommendations
- Act as a benchmarking tool for master plan implementation



Survey Administration

- Staff interested in sampling multiple geographies beyond “countywide”
 - Urban (Downtowns and Town Centers) – **Red**
 - Transit Corridors (within 1 mile of master-planned transit corridors) – **Blue**
 - Exurban/Rural (everywhere else) – **Yellow**

Rockville and Gaithersburg excluded due to independent planning authority



Survey Administration

- Online survey with postcard recruitment
- Postcards with unique password sent to 60,000 households randomly distributed equally across the three geographies (urban, transit corridor, rural/exurban)
- Survey available in English, Spanish, and Simplified Chinese

MONTGOMERY COUNTY'S
PEDESTRIAN
SURVEY

RSG
180 Battery Street, Suite 350
Burlington, VT 05401

Presorted
First Class Mail
U.S. Postage Paid
Location
Permit No. 0000

Dear Resident,

The Montgomery County Planning Department (M-NCPPC) is conducting a survey to learn more about how you walk and roll around the County.

Your participation is important! Visit our secure website and enter your password to begin the survey. / ¡Su participación es importante! Visite nuestro sitio web protegido e introduzca su contraseña para empezar la encuesta.

请访问我们的官方网站并输入提供给您的专用号码开始填写问卷调查。

rsgsurvey.com/pedsurvey

PASSWORD

Complete the survey to be entered to win a \$100 Gift Card!

Questions? Contact us:
pedsurvey@rsgsurvey.com

Survey Administration

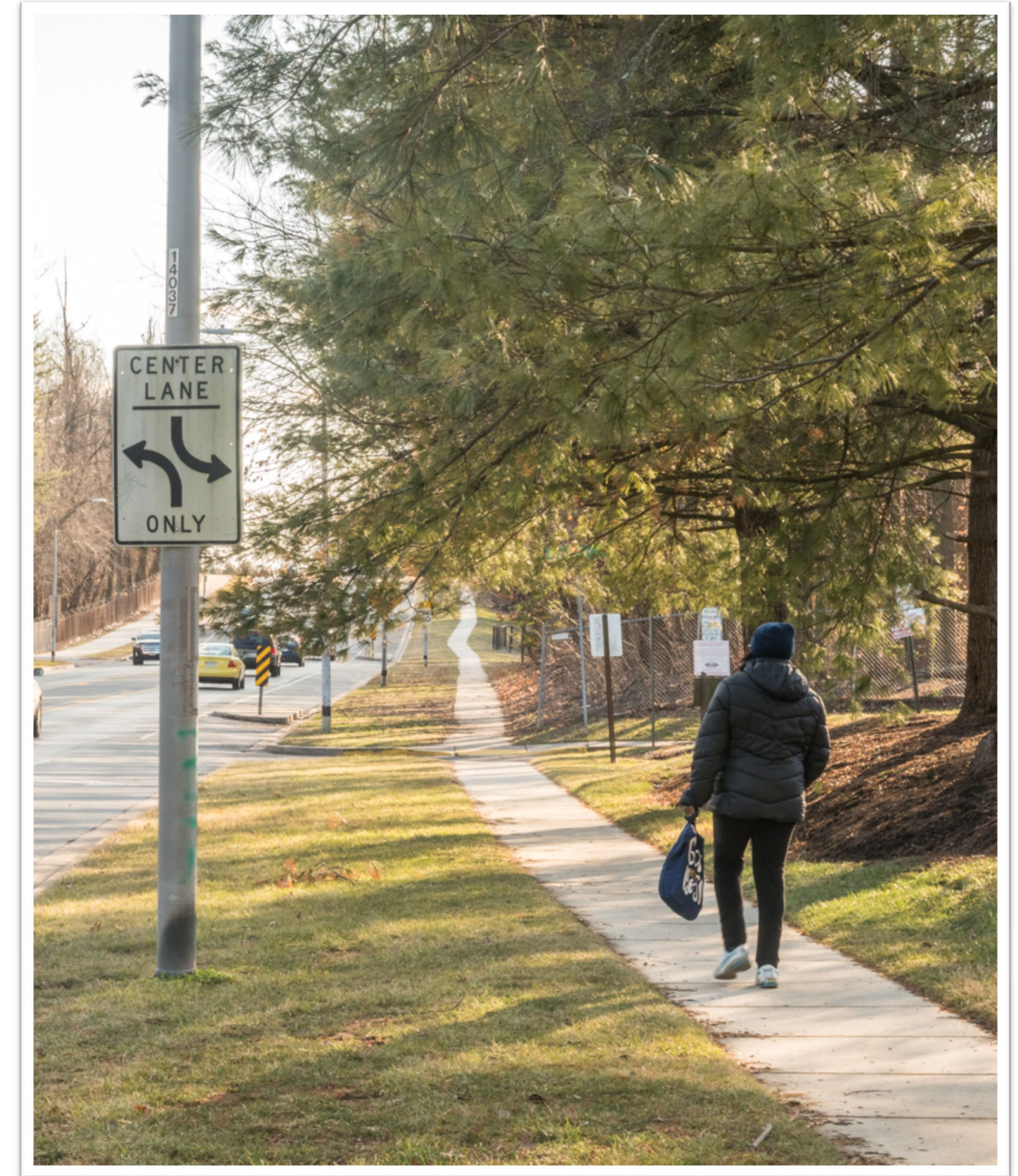
- Anticipated 2% response rate (1,200 total completes)
- Actual rate more than double!

SURVEY RESPONSE SUMMARY

	Urban (1)	Transit (2)	Exurban/ Rural (3)	Total
Invitations	20,000	20,000	20,000	60,000
Survey Completes	772	815	851	2,438
Spanish Completes	7	18	3	28
Chinese Completes	2	3	7	12
Overall Response Rate	3.9%	4.1%	4.3%	4.1%
Margin of Error (95% CI)	4%	3%	3%	2%

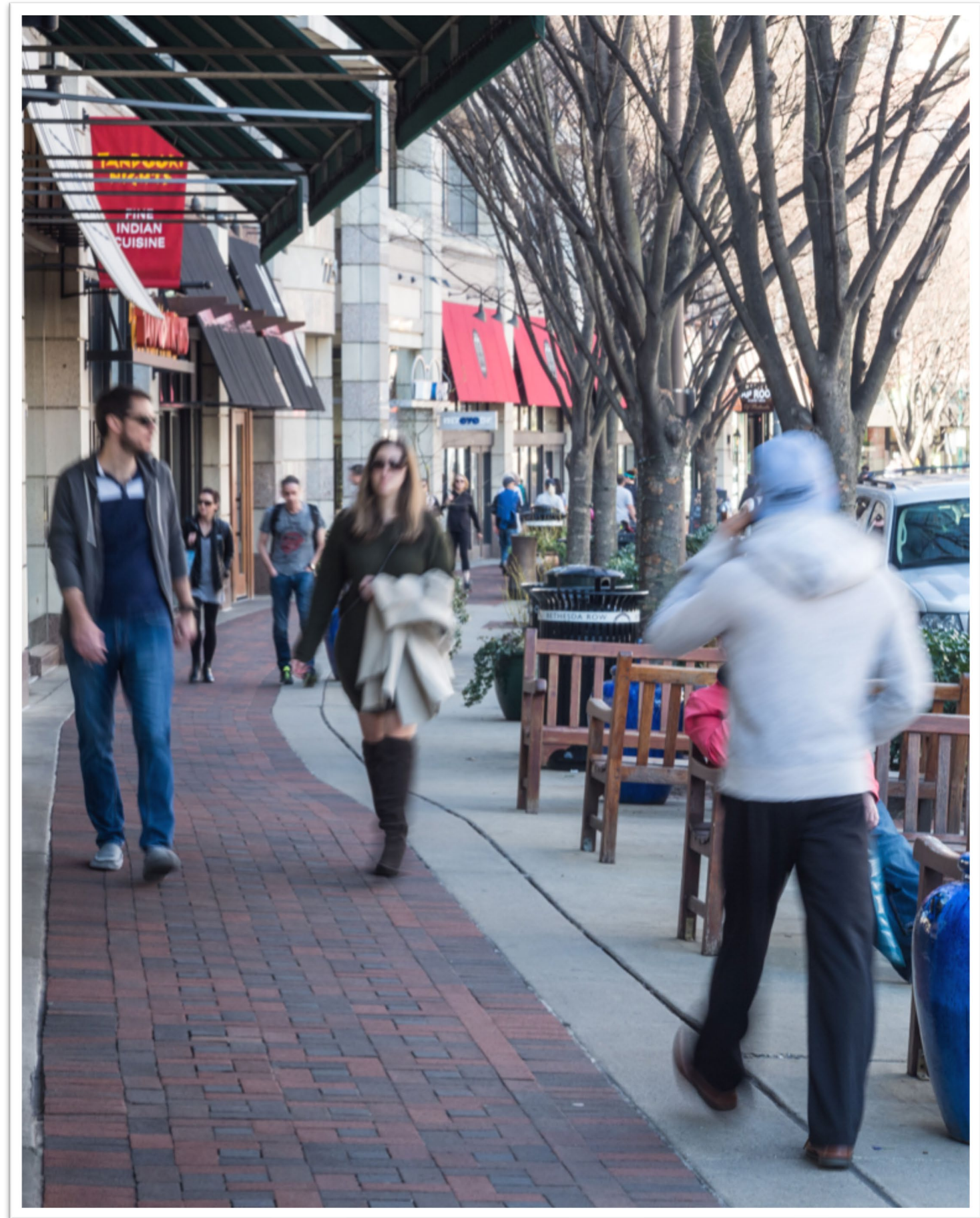
Survey Administration

- After survey closed, consultant weighted responses using 2018 American Community Survey (U.S. Census Bureau) estimates of:
 - Income
 - Race
 - Hispanic, Spanish, or Latino Origin
 - Population
- Weighted to ensure survey results are representative of the County population



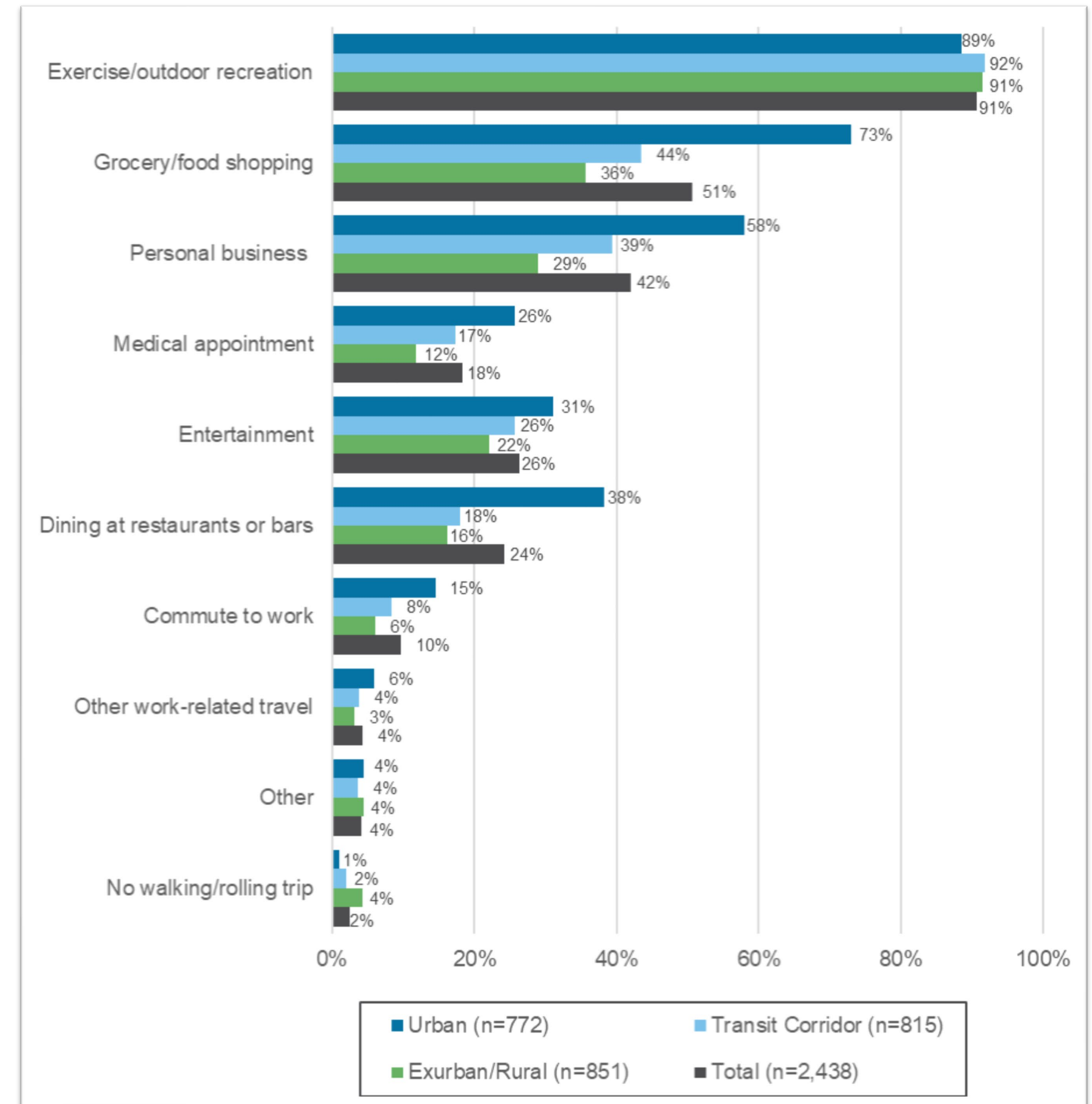
Survey Findings

- Three Buckets
 - Understand existing pedestrian attitudes and activities
 - Highlight what improvements are most important
 - COVID-19-specific travel behavior changes



Existing Pedestrian Attitudes/Activities

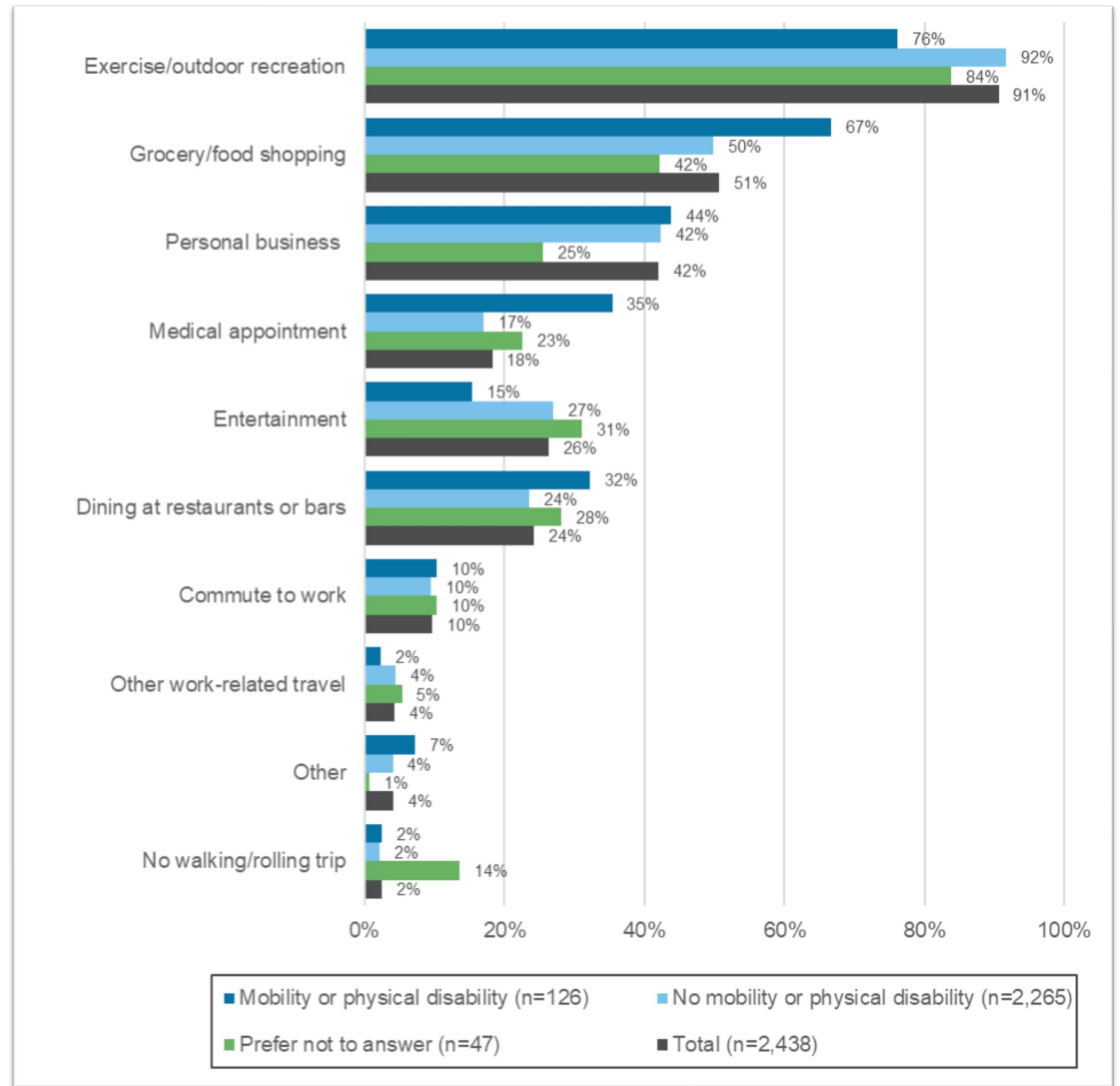
- Walk purpose
 - Exercise/Outdoor recreation most popular
 - Other walk purposes much more common in urban areas
 - Commute to work much higher than shown in 2019 ACS (10.0% vs. 2.4%)



WALK PURPOSE IN PAST MONTH

Existing Pedestrian Attitudes/Activities

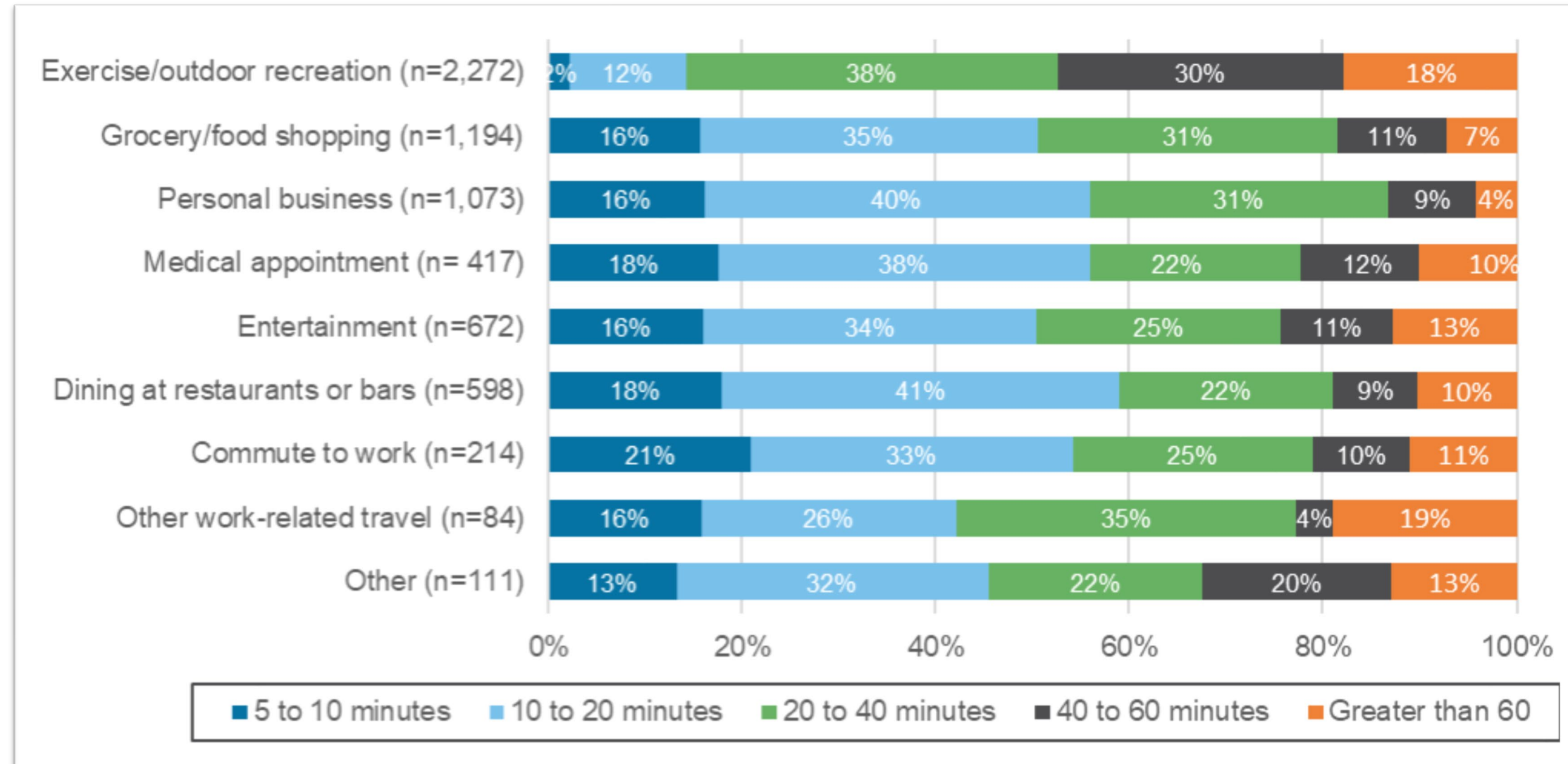
- Respondents with reported disabilities
 - Less likely to walk/roll for exercise
 - More likely to walk/roll as part of a grocery trip, medical appointment, or when dining out



WALK PURPOSE IN PAST MONTH BY REPORTED DISABILITY

Existing Pedestrian Attitudes/Activities

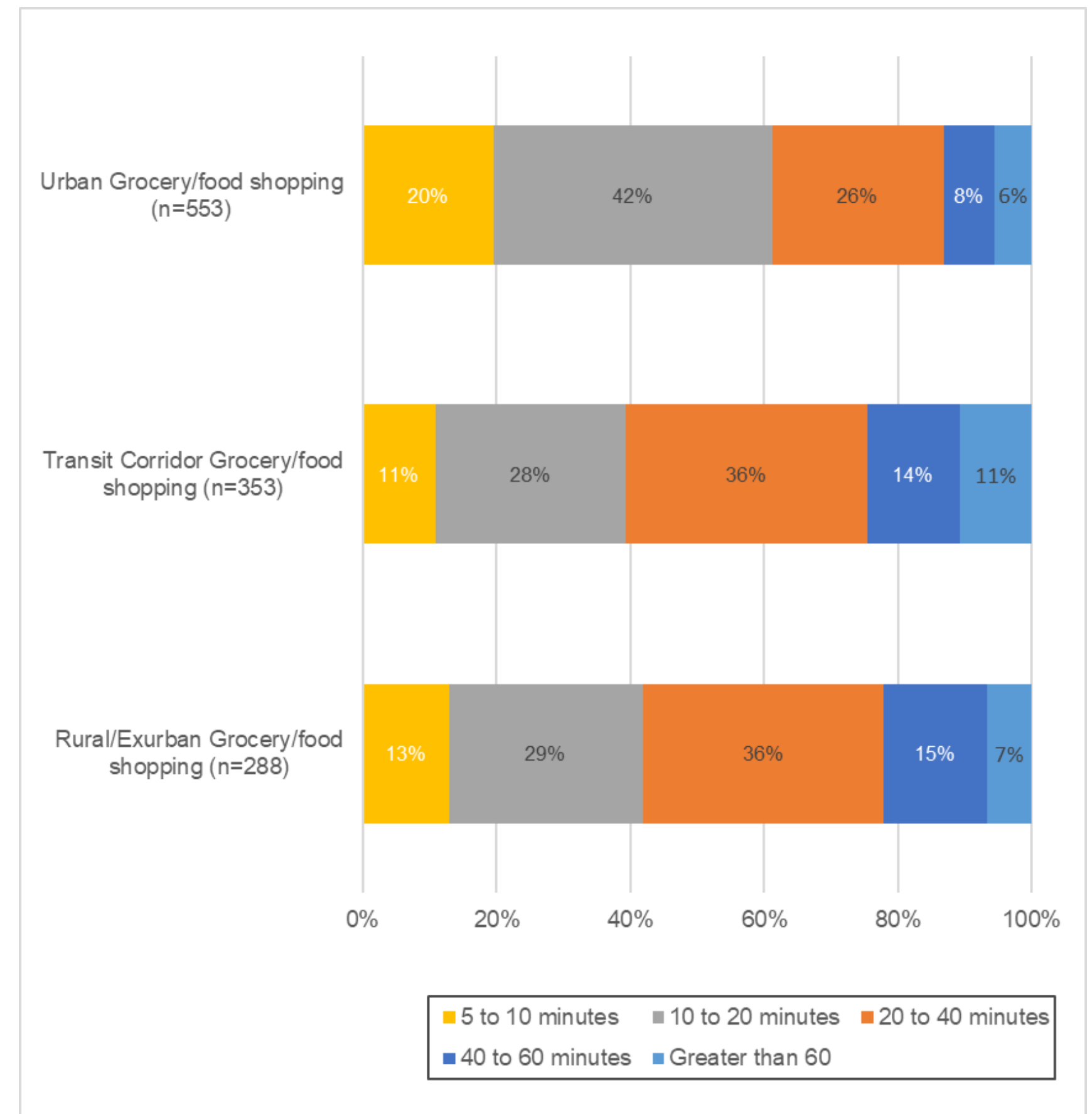
- Exercise/recreation trips take longer than other pedestrian trips types



TRIP DURATION

Existing Pedestrian Attitudes/Activities

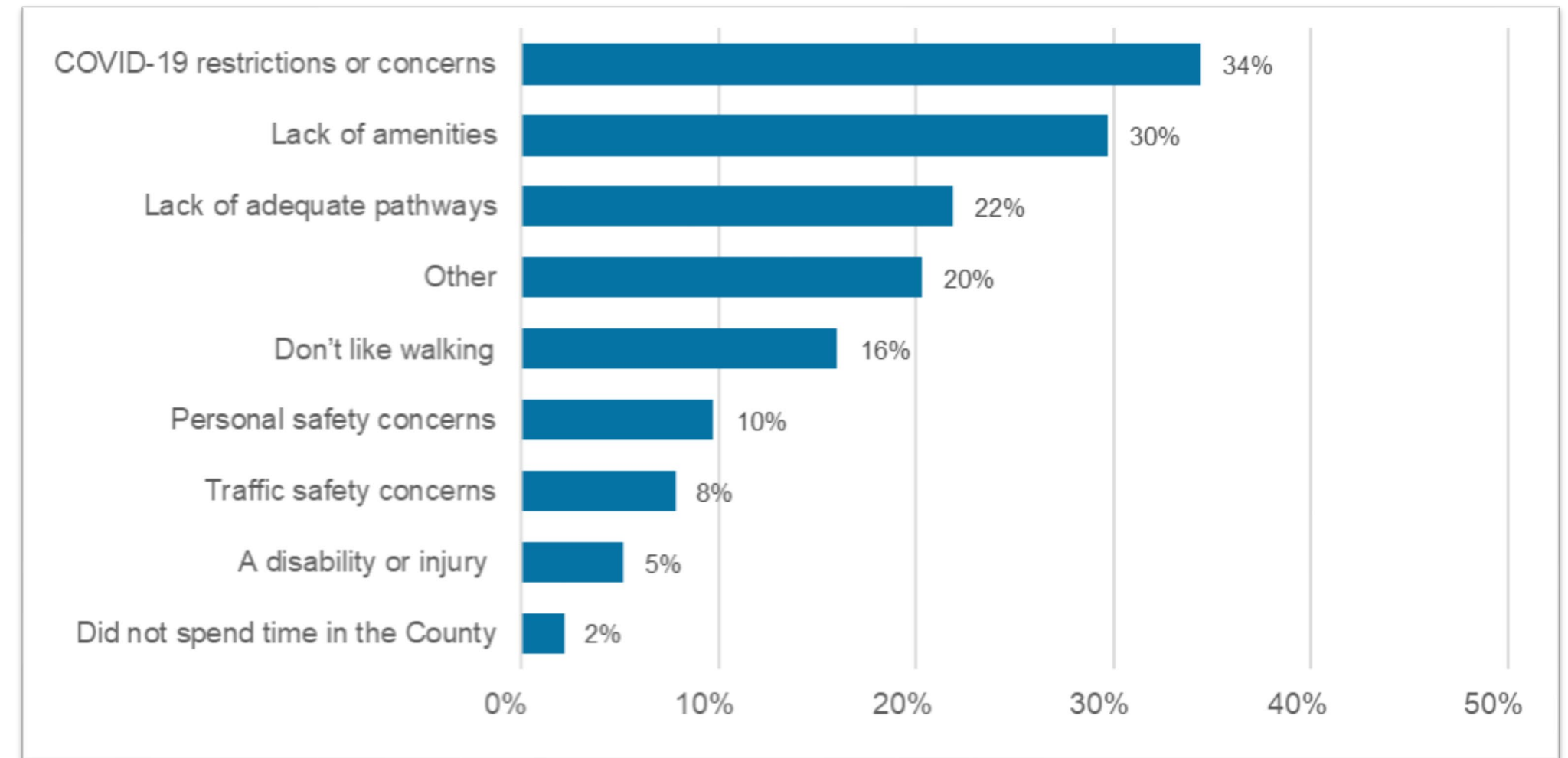
- Pedestrian trips in urban areas are shorter than those in other areas
 - Grocery Store trips < 20 minutes
 - Urban: 62%
 - Transit Corridors: 39%
 - Rural/Exurban: 42%



TRIP DURATION BY GEOGRAPHY

Existing Pedestrian Attitudes/Activities

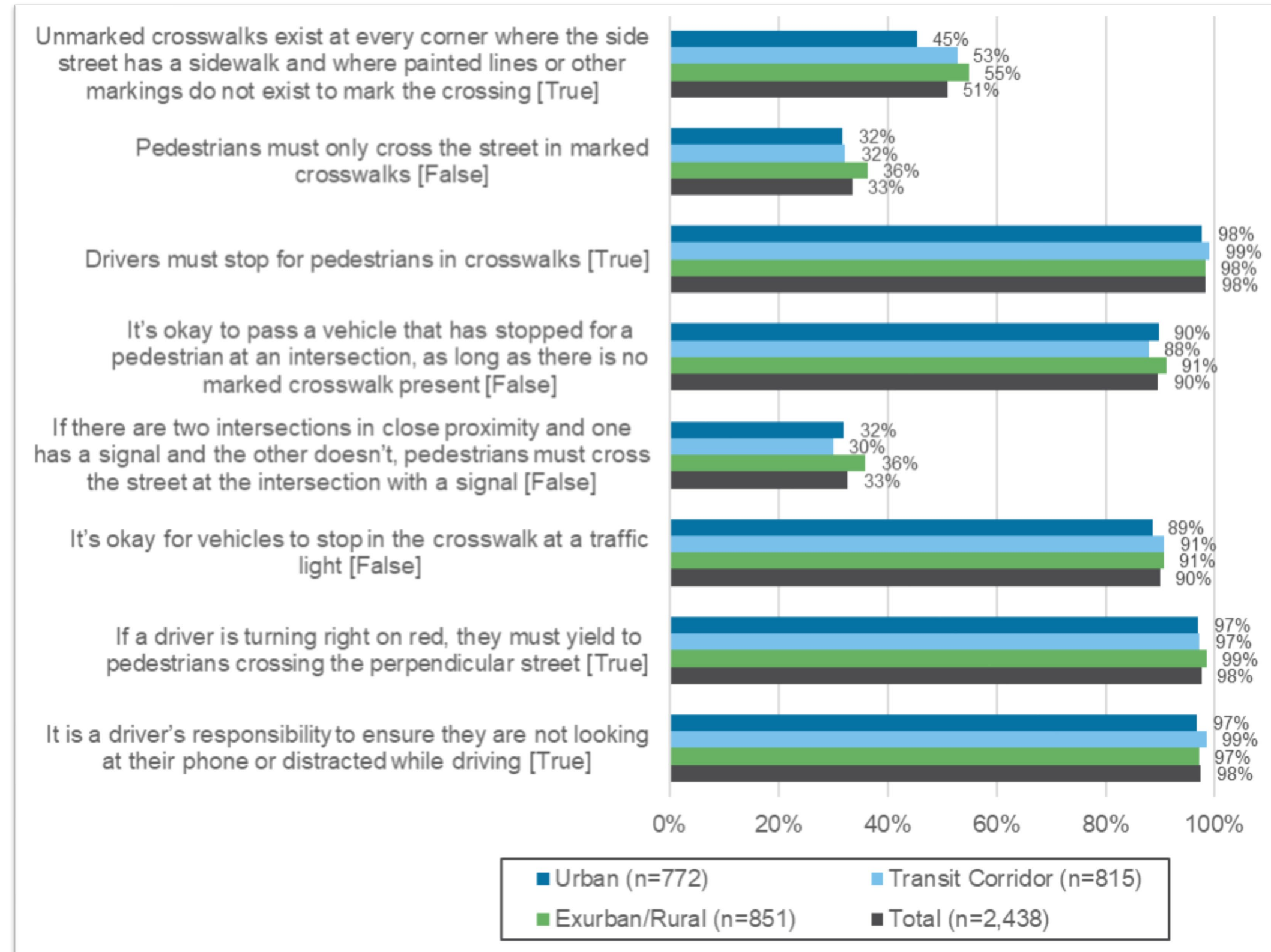
- Why 2% of all respondents did not take any walking trips
 - COVID-19
 - Nothing to walk to
 - Poor pedestrian pathways



REASON FOR NO WALKING TRIPS

Existing Pedestrian Attitudes/Activities

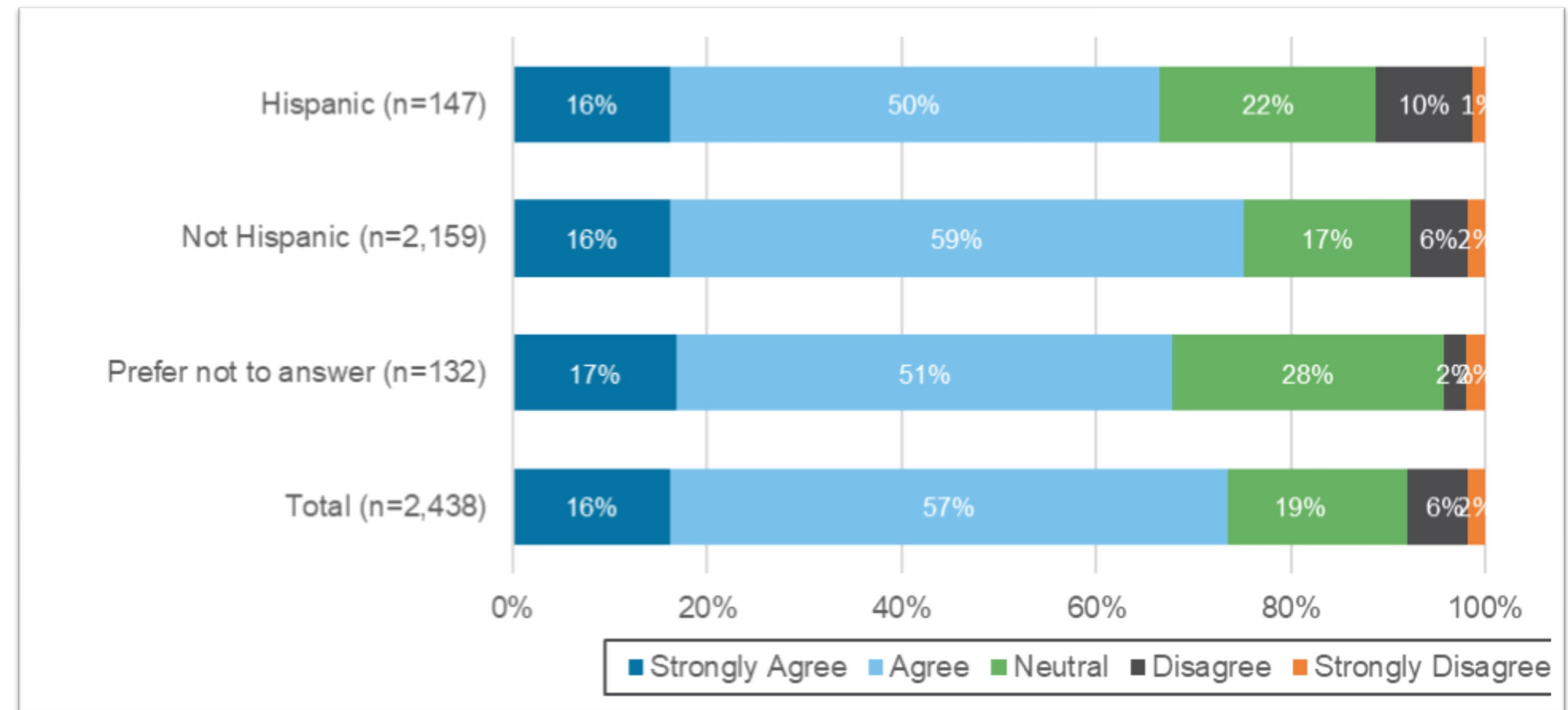
- Knowledge of traffic laws generally high
- Many respondents unclear about laws relating to crosswalks



TRAFFIC LAW AWARENESS

Existing Pedestrian Attitudes/Activities

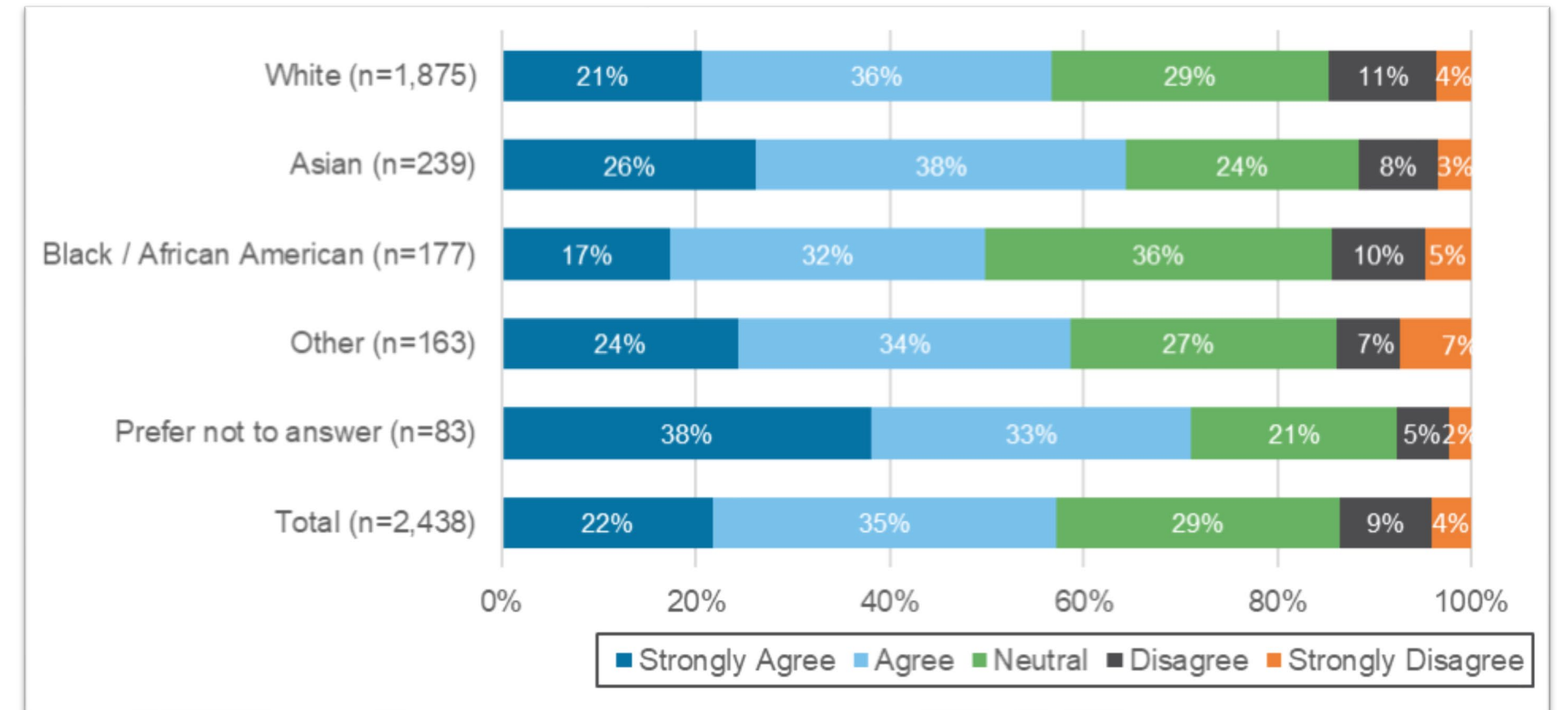
- Comfort in public space is more than just traffic safety
- Hispanic respondents are slightly less likely to agree that they feel safe walking/rolling in public space compared to non-Hispanic respondents



**I FEEL SAFE WHILE WALKING/ROLLING
IN PUBLIC SPACES**

Existing Pedestrian Attitudes/Activities

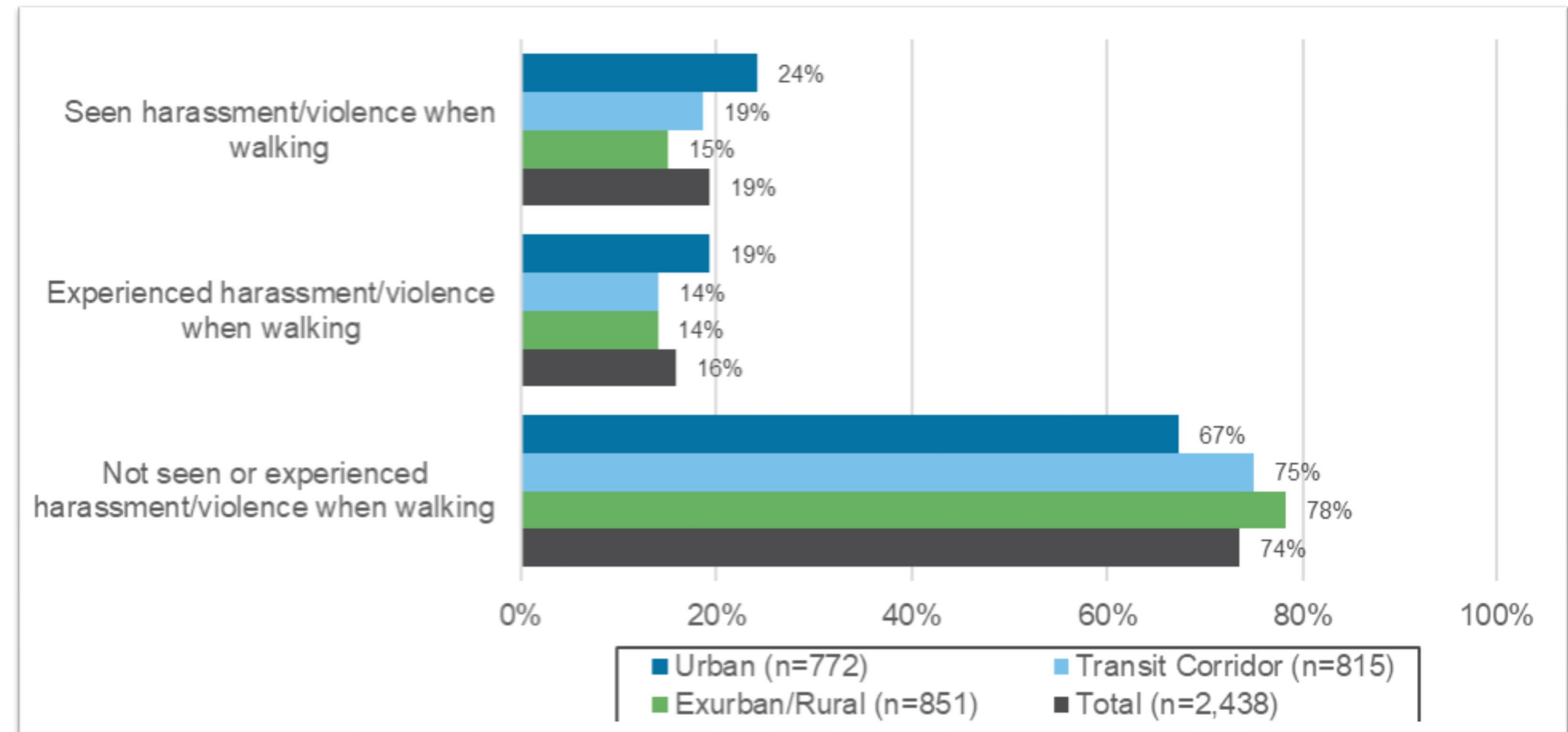
- Black/African American respondents less likely to agree that they feel more comfortable seeing police in public space than White or Asian respondents



I FEEL MORE COMFORTABLE WHEN I SEE POLICE IN PUBLIC SPACE

Existing Pedestrian Attitudes/Activities

- Respondents in Urban areas more likely to have seen or experienced harassment or violence while walking
- No significant findings in analyzing this topic by reported gender



HARASSMENT OR VIOLENCE WHILE WALKING BY GEOGRAPHY

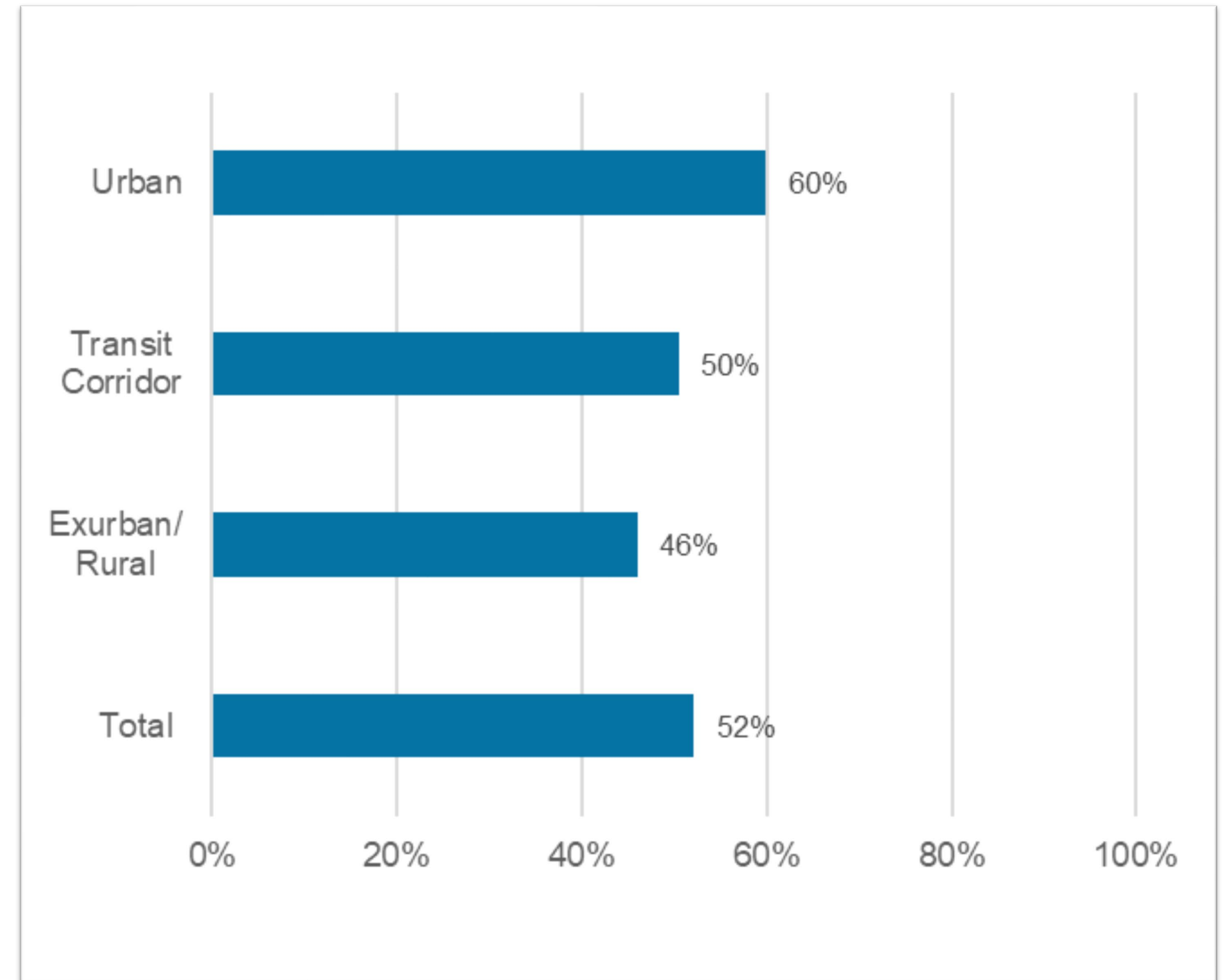
Pedestrian Satisfaction

How satisfied are respondents with the pedestrian experience?

What is most important to improve?

Pedestrian Satisfaction

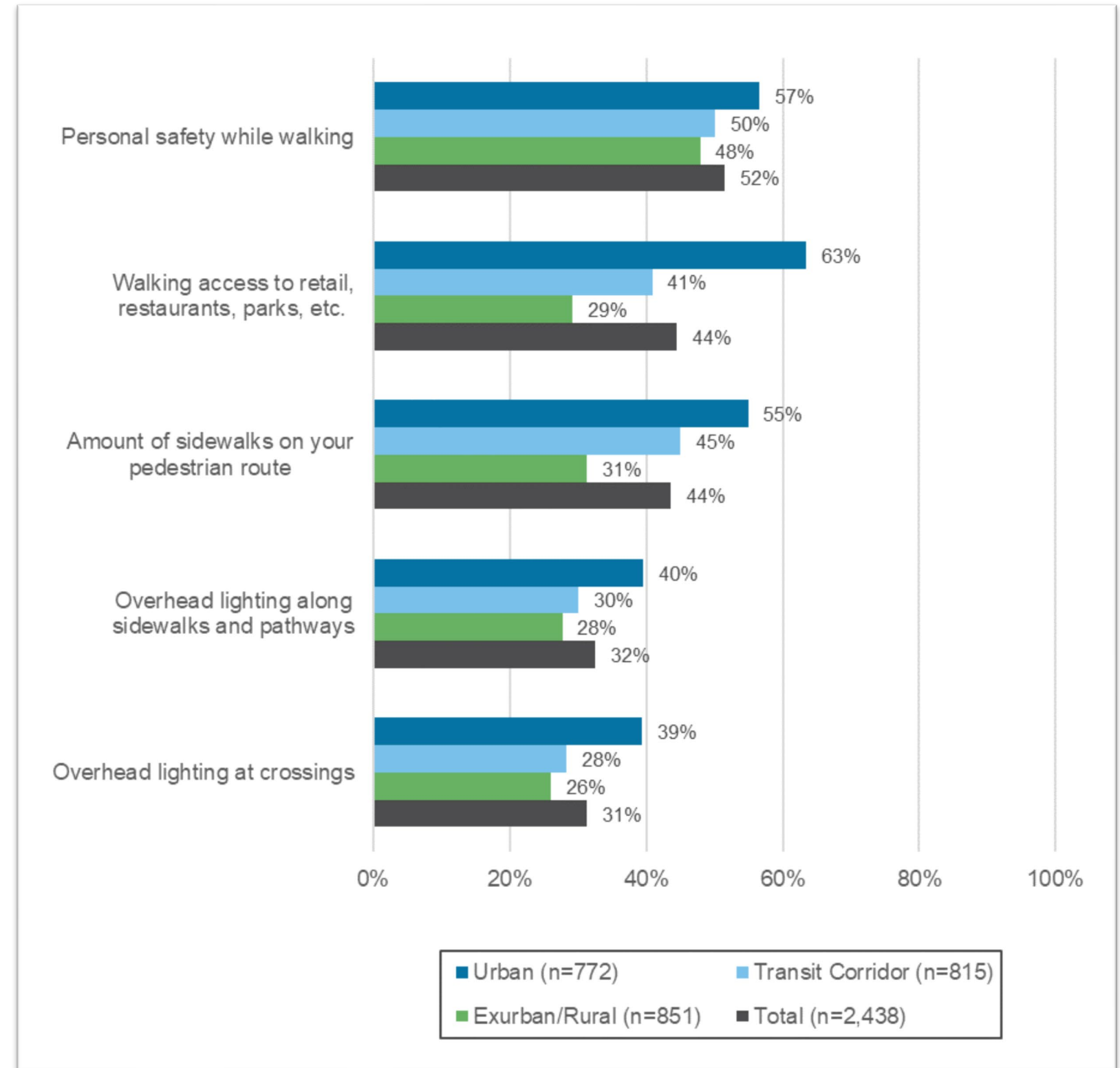
- Respondents in urban areas more satisfied with pedestrian experience than respondents in Transit Corridors or Exurban/Rural areas



PEDESTRIAN SATISFACTION BY GEOGRAPHY

Pedestrian Satisfaction

- Urban respondents much more satisfied with
 - Destination Access
 - Sidewalk Presence
 - Lighting
 - Personal Safety
- Transit Corridor and Exurban/Rural respondents rarely more satisfied than Urban respondents



**SATISFACTION
BY GEOGRAPHY**

Pedestrian Satisfaction

Statement	Satisfaction Percentage
Personal safety while walking	52%
Distance to cross the street	49%
Time to cross the street at pedestrian signals	47%
Number of marked crosswalks	46%
Pedestrian signage	46%

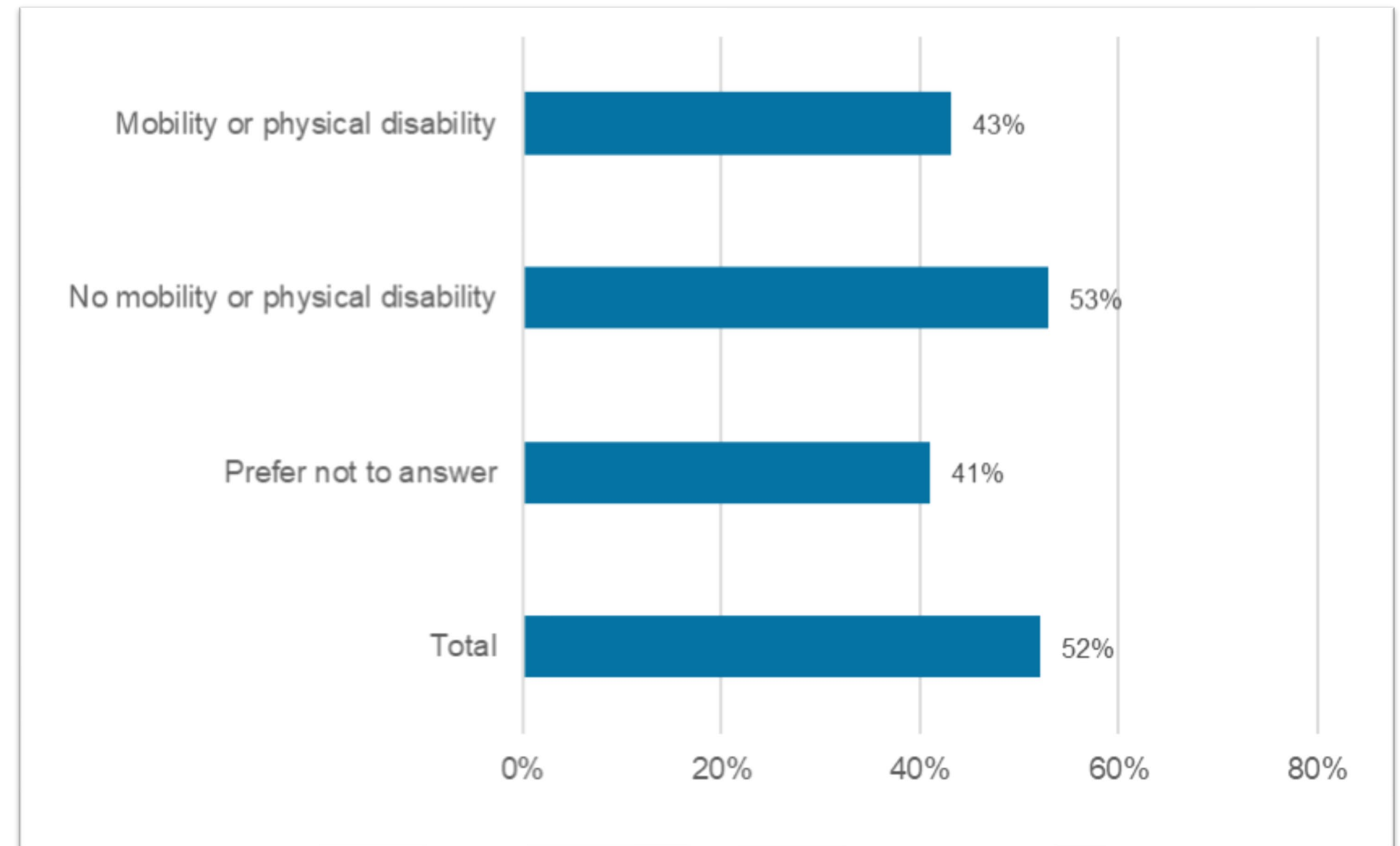
TOP 5 HIGH SATISFACTION TOPICS

Statement	Satisfaction Percentage
Overhead lighting at crossings	31%
Distance between sidewalks and cars	31%
Snow removal	28%
Number of vehicles cutting across the crosswalk	22%
Speed of moving cars along sidewalks and paths	21%

TOP 5 LOW SATISFACTION TOPICS

Pedestrian Satisfaction

- Respondents with a reported disability are less satisfied with the pedestrian environment than those not reporting a disability



PEDESTRIAN SATISFACTION BY REPORTED DISABILITY

Pedestrian Satisfaction



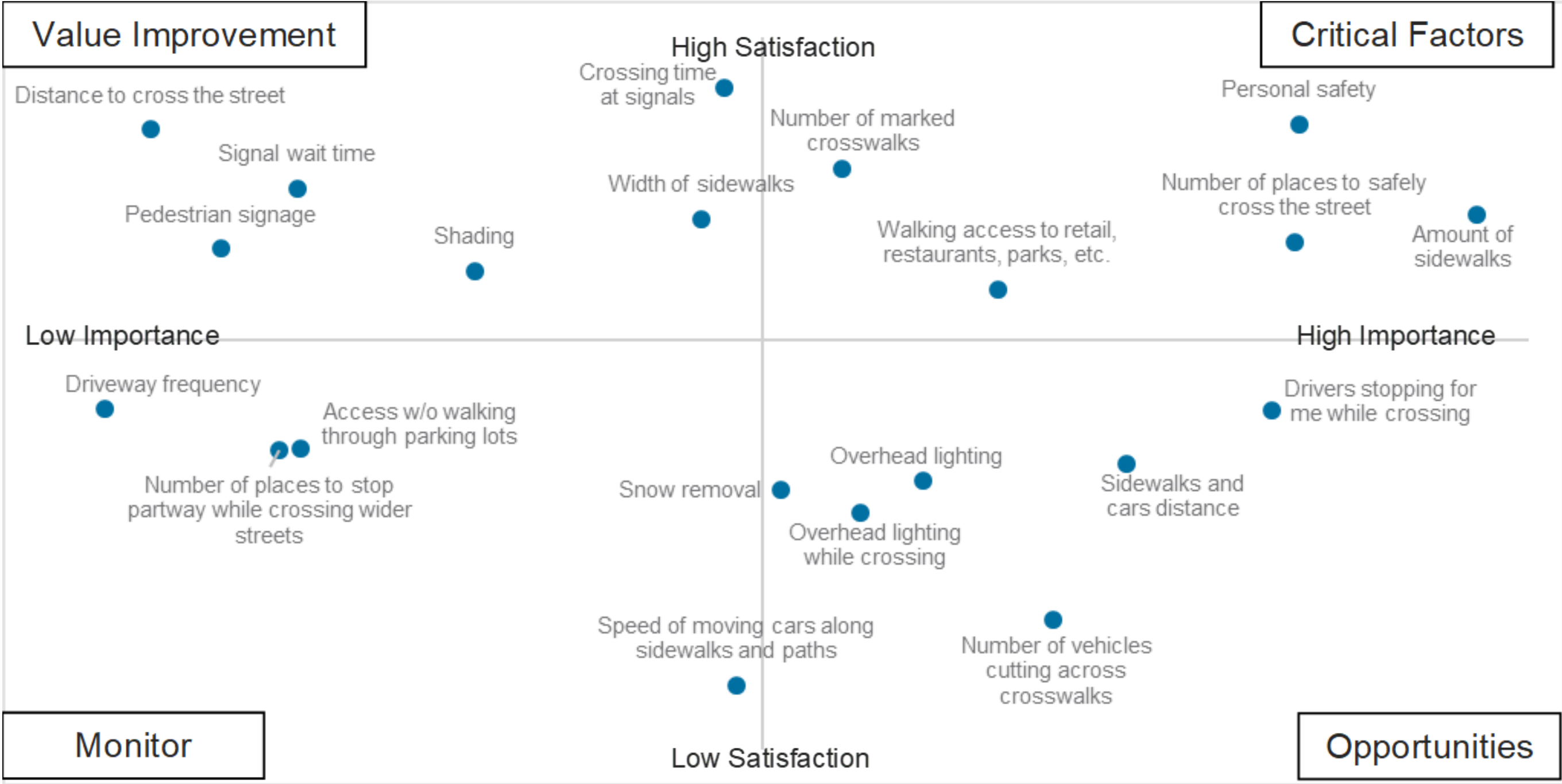
QUAD CHART: SATISFACTION VS. IMPORTANCE

Pedestrian Satisfaction



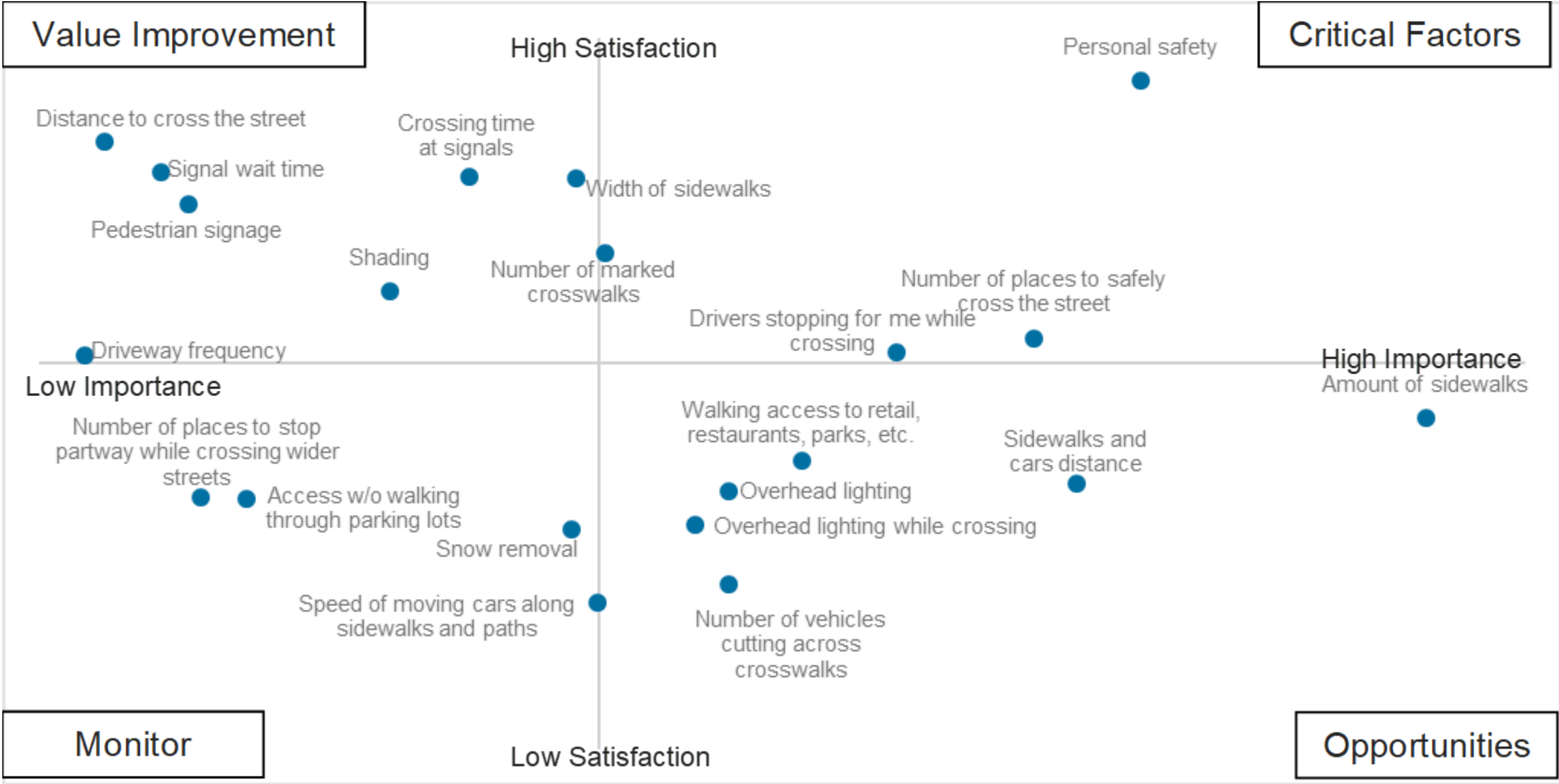
URBAN QUAD CHART: SATISFACTION VS. IMPORTANCE

Pedestrian Satisfaction



TRANSIT CORRIDOR QUAD CHART: SATISFACTION VS. IMPORTANCE

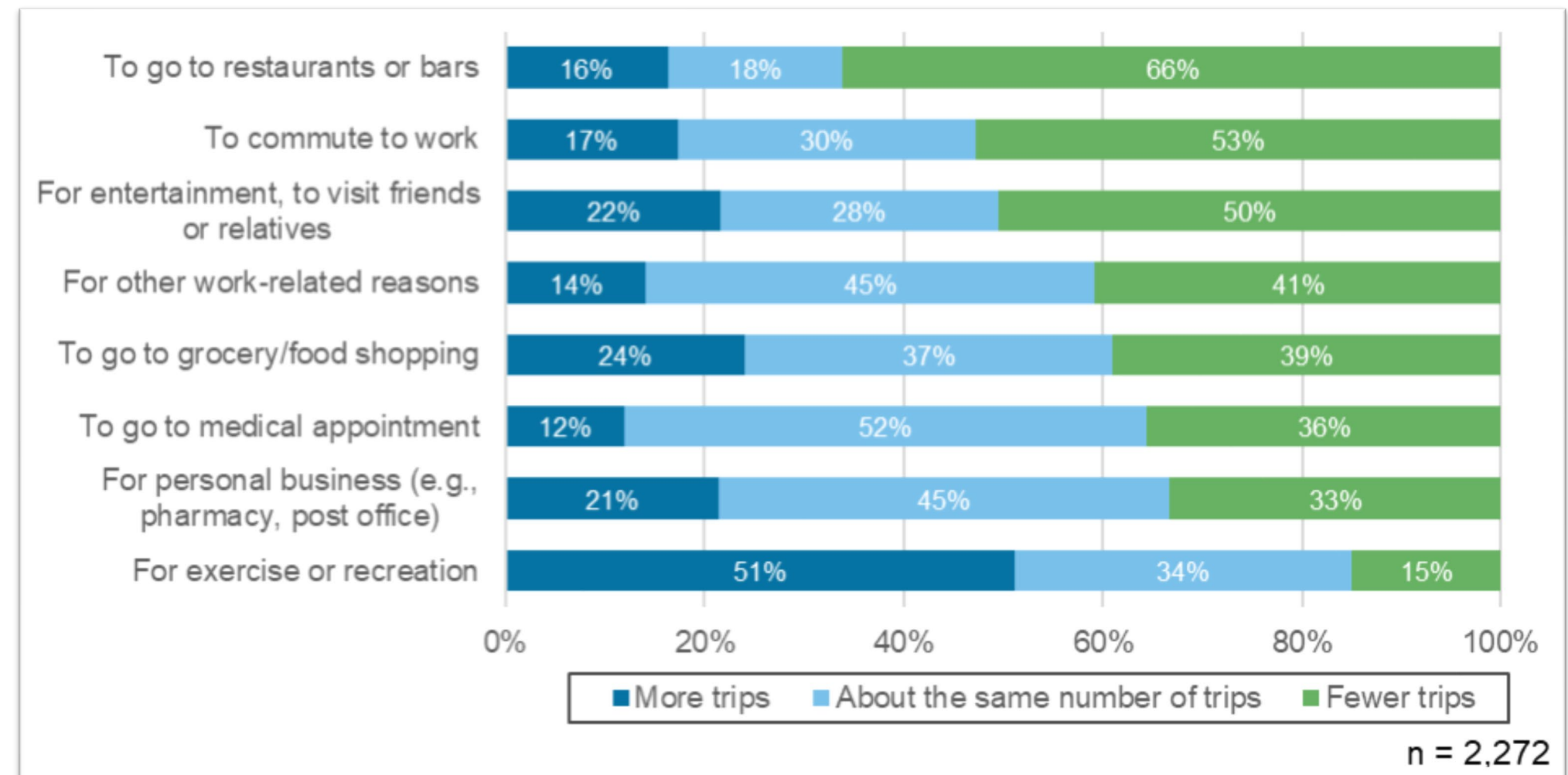
Pedestrian Satisfaction



RURAL/EXURBAN QUAD CHART: SATISFACTION VS. IMPORTANCE

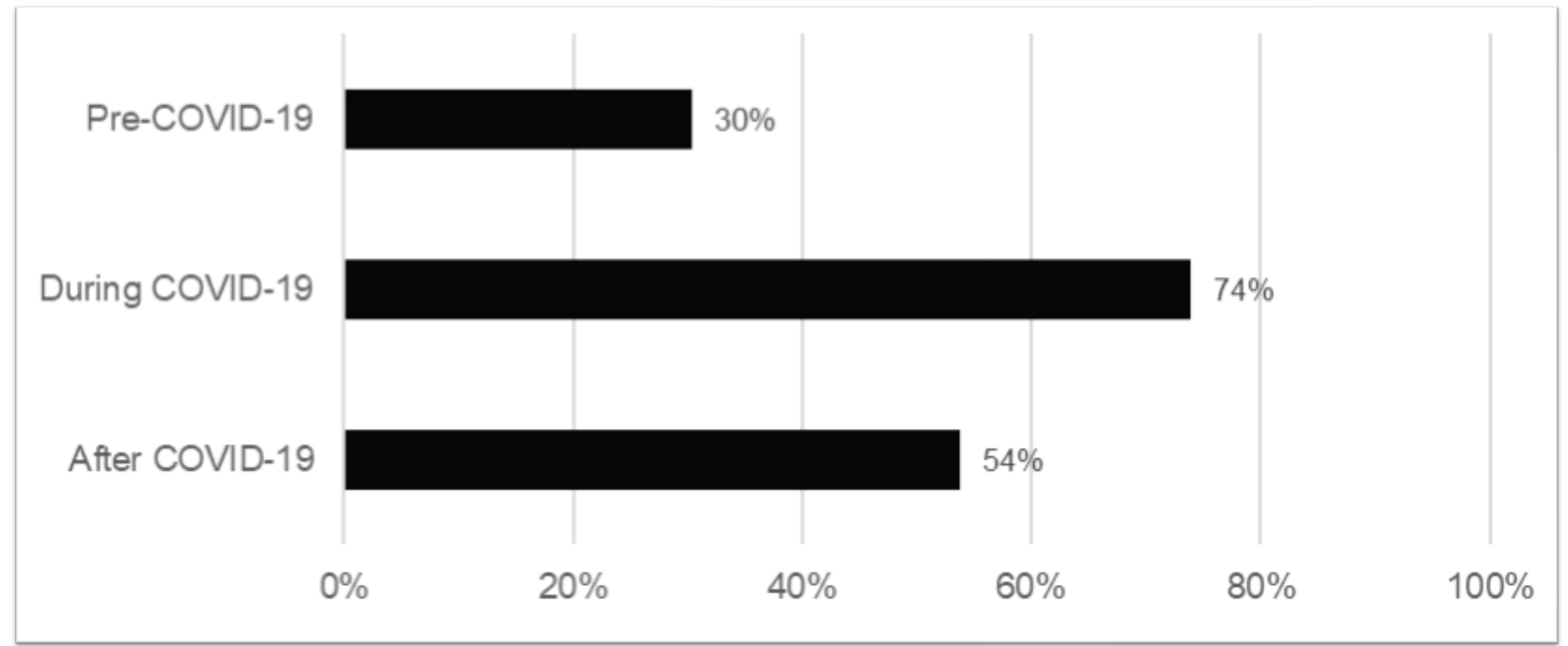
COVID-19 Travel

- 51% of respondents are walking more for recreation/exercise, while 66% are walking less to restaurants and bars
- 53% less commuting to work by walking
- 50% taking fewer trips to entertainment venues by walking



CHANGE IN WALKING OR ROLLING TRIPS DUE TO COVID-19

COVID-19 Travel

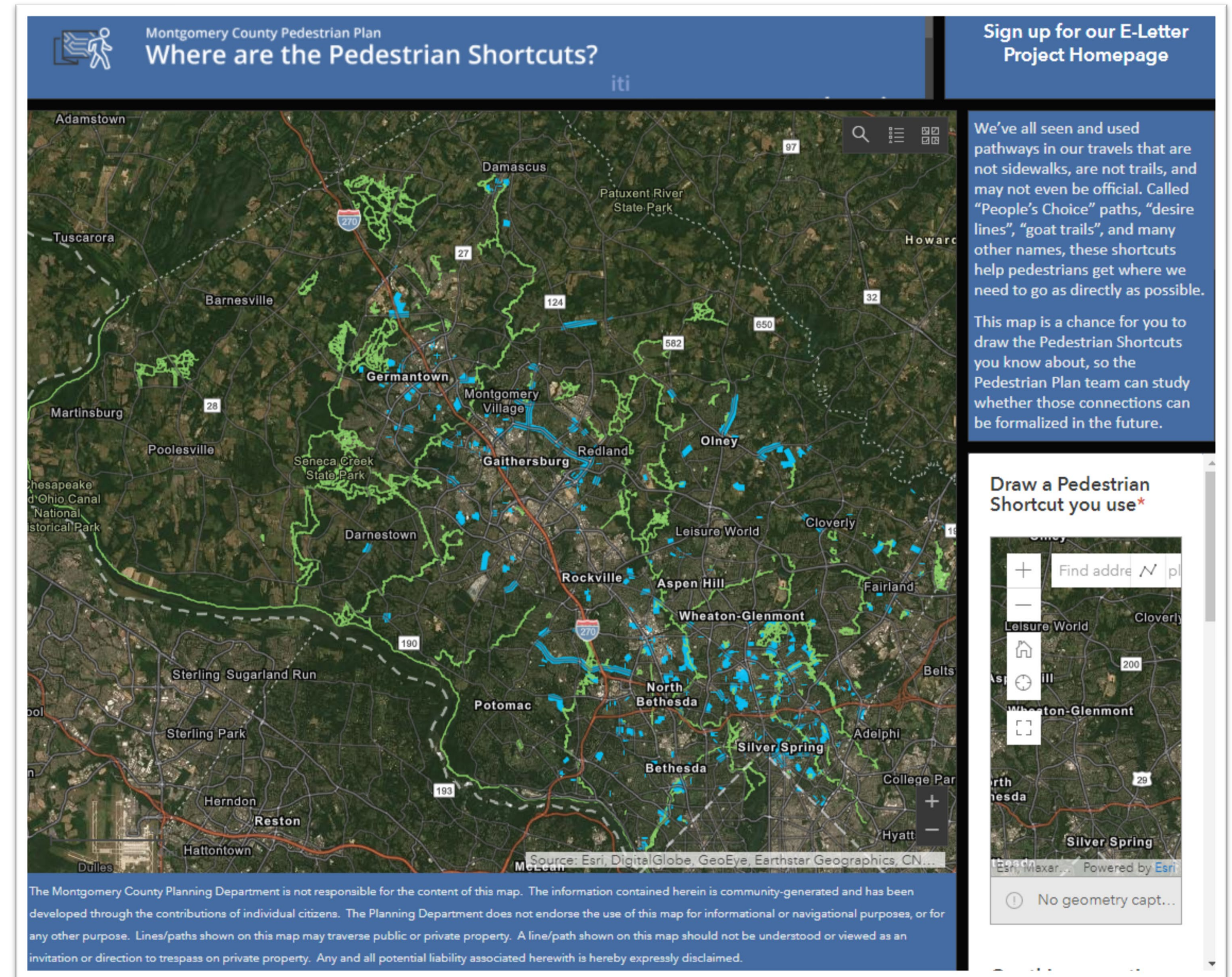


TELEWORK 1 OR MORE DAYS A WEEK

54% of respondents anticipate teleworking at least one day a week after COVID-19, compared to 30% who did so before COVID-19

Existing Conditions Report Update

- Report Outline Drafted
- Major Components
 - PLOC Analyses (Areawide, Public Facility Access)
 - Pedestrian Crash Analysis
 - Student Travel Tally
 - Pedestrian Shortcuts
 - Countywide Pedestrian Survey





Thank You!

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MONTGOMERY COUNTY'S
PEDESTRIAN
PLAN

