



VTrans2040 Survey

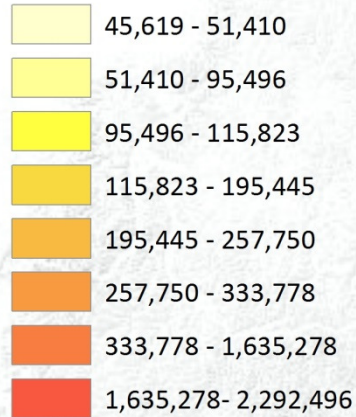
Commonwealth Transportation Board

November 12, 2014



Population by PDC

(U.S. Census 2012)



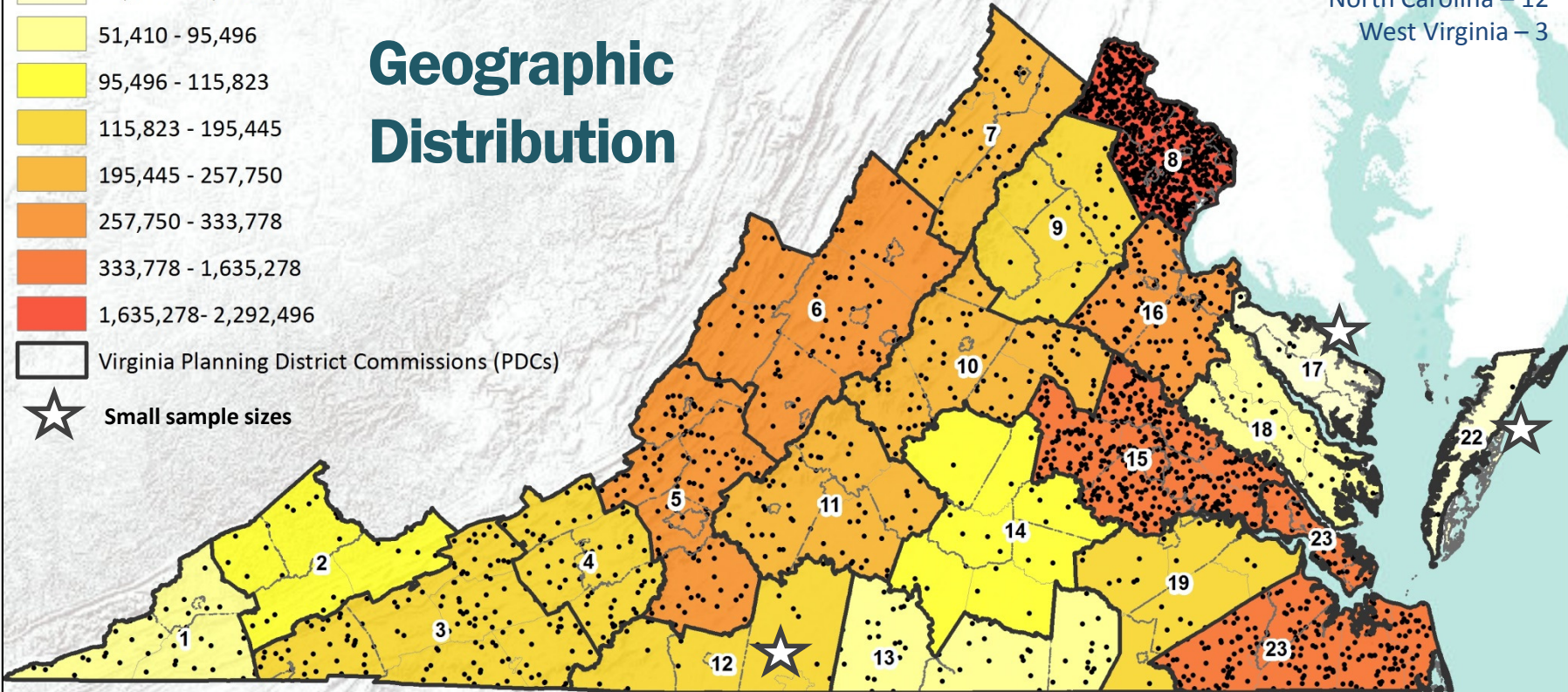
Virginia Planning District Commissions (PDCs)

★ Small sample sizes

Geographic Distribution

Responses from DC/Neighboring States:

District of Columbia – 36
 Maryland – 28
 North Carolina – 12
 West Virginia – 3



2,932 Responses

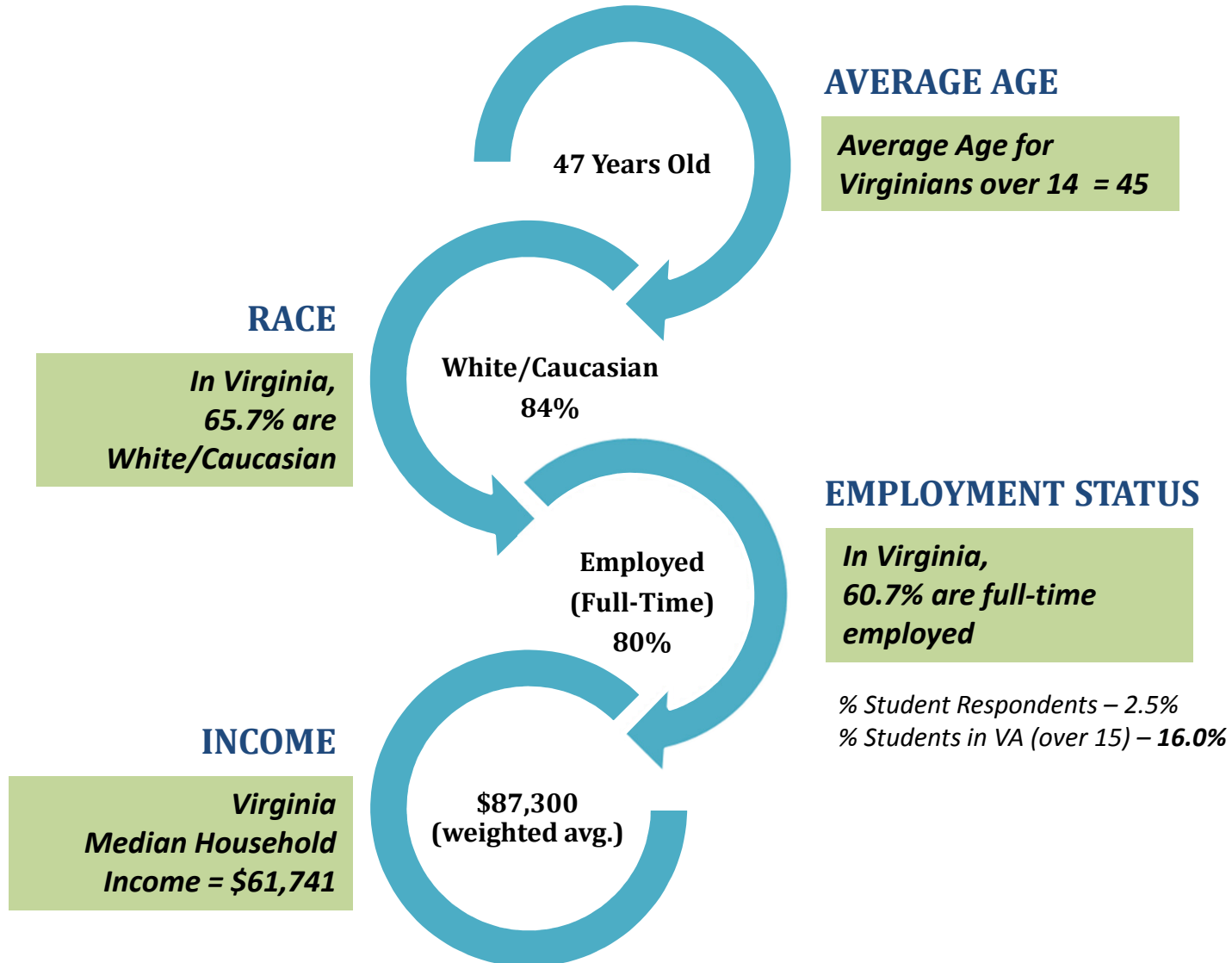
PDC Numbers and Abbreviated Names

- | | | | |
|----|----------------------------|----|----------------------|
| 1 | LENOWISCO | 12 | WEST PIEDMONT |
| 2 | CUMBERLAND PLATEAU | 13 | SOUTHSIDE |
| 3 | MOUNT ROGERS | 14 | COMMONWEALTH |
| 4 | NEW RIVER VALLEY | 15 | RICHMOND |
| 5 | ROANOKE VALLEY-ALLEGHANY | 16 | GEORGE WASHINGTON |
| 6 | CENTRAL SHENANDOAH | 17 | NORTHERN NECK |
| 7 | NORTHERN SHENANDOAH VALLEY | 18 | MIDDLE PENINSULA |
| 8 | NORTHERN VIRGINIA | 19 | CRATER |
| 9 | RAPPAHANNOCK-RAPIDAN | 22 | ACCOMACK-NORTHAMPTON |
| 10 | THOMAS JEFFERSON | 23 | HAMPTON ROADS |
| 11 | VIRGINIA'S REGION 2000 | | |



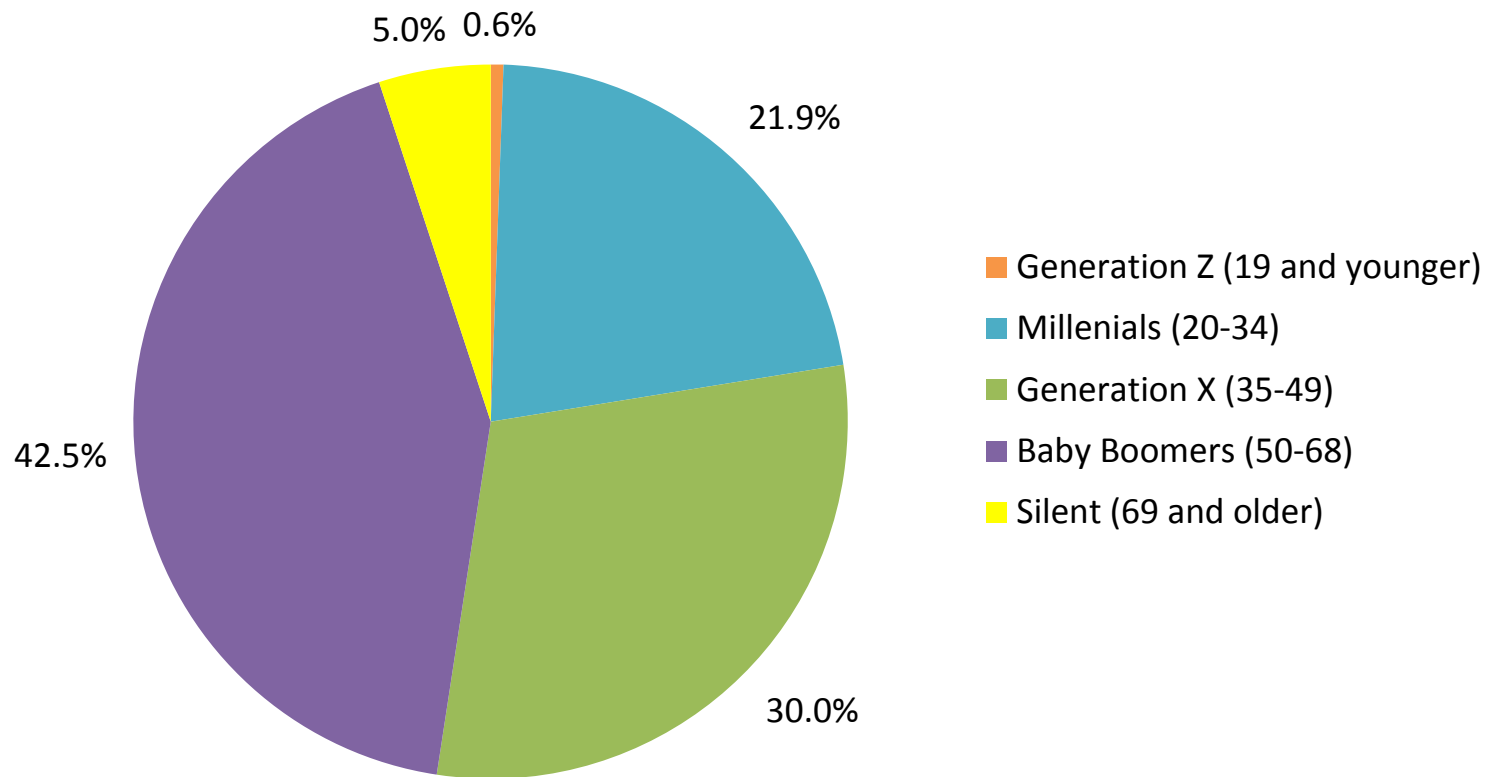
Sources: Esri, USGS, NOAA

Demographic Profile



Demographic Profile

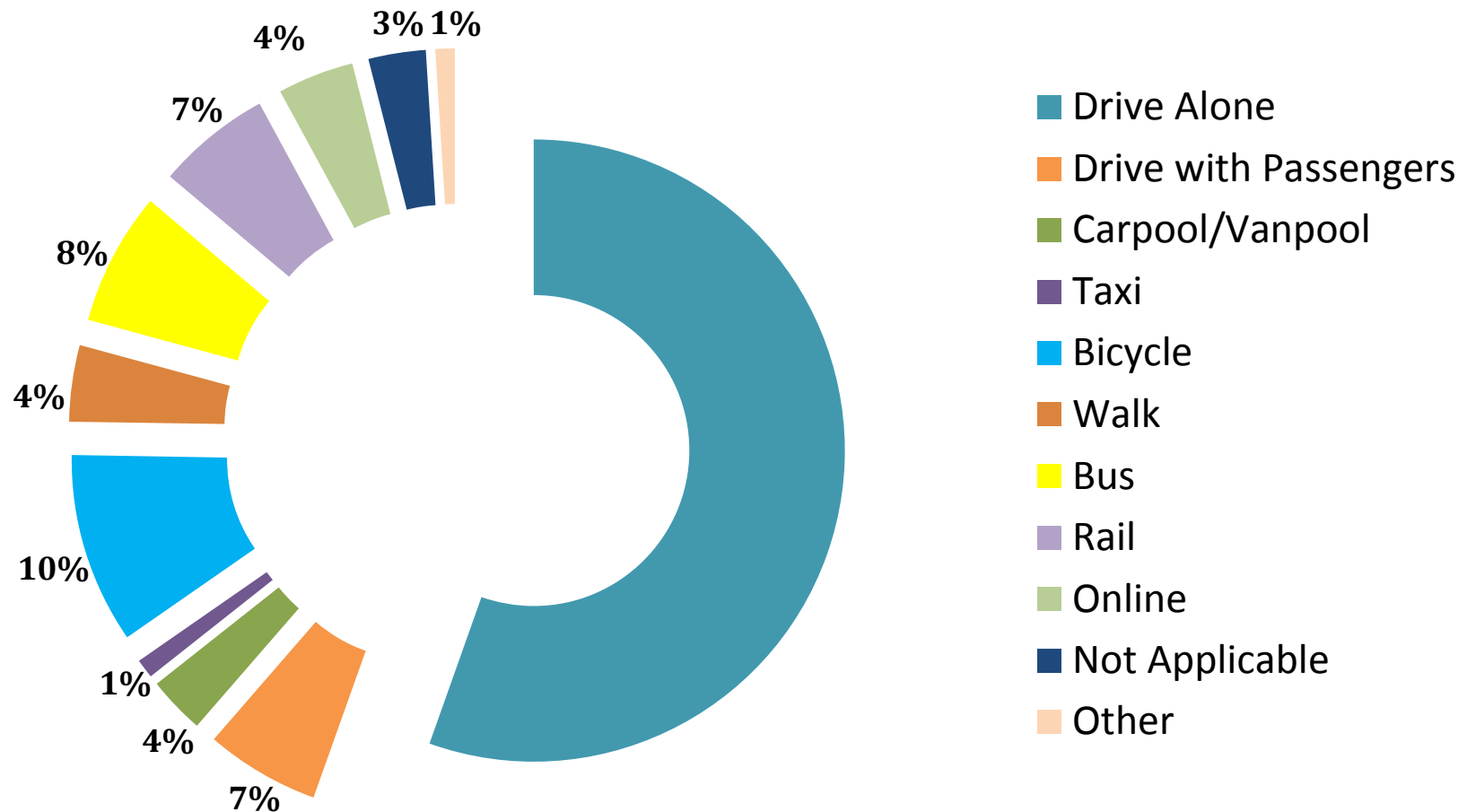
Responses by Generation



Commute to Work/School

62% of Respondents “Drive Alone”

15% use transit (bus or rail) and 14% walk or bike



Commuting

How Virginia Wants to Commute:

- **By bicycle (32%)**
- **Drive alone (31%)**
- **Rail (27%)**
- **Walking (26%)**

And why they can't:

- **Not Available (48%)**
- **Not Accessible (43%)**
- **Time Limitations (42%)**



Commuting to Work and School

Commute to Work and/or School	How You Commute	How You WANT to Commute	Change
Drive Alone	62%	31%	-31%
Drive with Passengers	7%	14%	7%
Carpool/Vanpool	4%	12%	8%
Taxi	1%	1%	0%
Bicycle	10%	32%	22%
Walk	4%	26%	22%
Bus	8%	21%	13%
Rail (e.g. VRE, the TIDE, Amtrak)	7%	27%	20%
Ferry	0%	3%	3%
Online (or from home)	4%	13%	9%
Not Applicable	3%	4%	1%
Other (e.g., skateboard, kayak)	1%	3%	2%

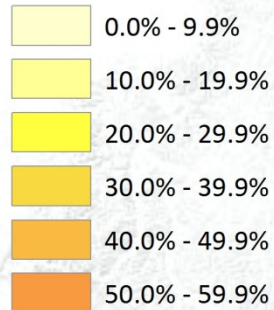


Commute Time Satisfaction

On a TYPICAL DAY, how much TIME do you spend traveling to and from work and/or school?												
Answer Options	5 to 15 minutes		15 to 30 minutes		30 to 45 minutes		45 to 60 minutes		Over 60 minutes		Always Work/Attend Class at Home	
Not at all satisfied	2	0%	13	2%	38	8%	39	14%	248	40%	0	0%
Slightly satisfied	10	2%	30	5%	70	16%	62	18%	132	21%	0	0%
Somewhat satisfied	27	6%	122	21%	154	34%	162	44%	158	26%	3	6%
Very satisfied	136	30%	292	50%	52	34%	77	20%	53	9%	12	24%
Extremely satisfied	245	58%	122	21%	31	7%	10	3%	17	3%	26	52%
Unsure/Not Applicable	3	1%	0	0%	4	1%	2	0%	6	1%	9	18%

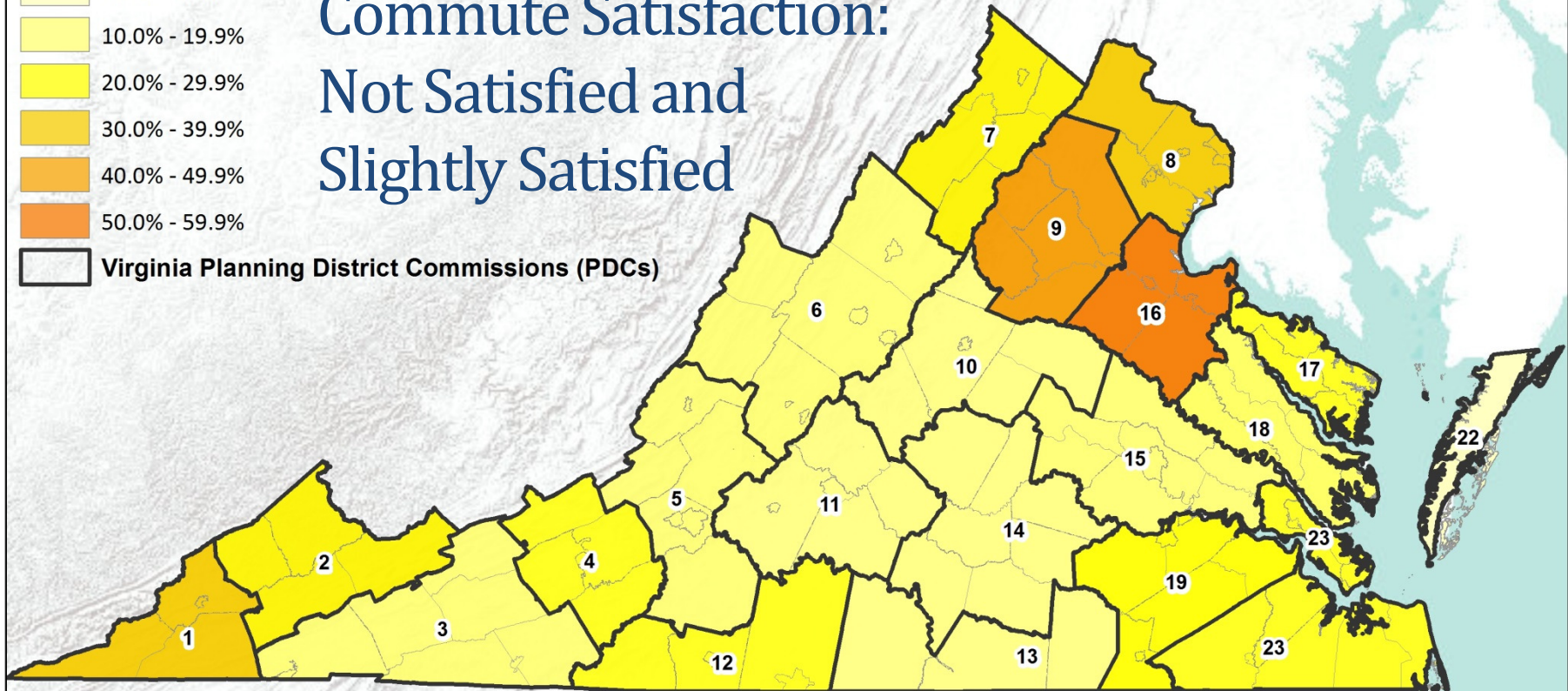
Commute Satisfaction

Percent Not Satisfied or Slightly Satisfied



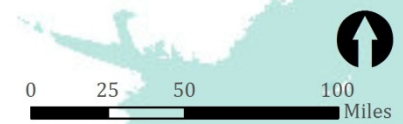
Virginia Planning District Commissions (PDCs)

Commute Satisfaction: Not Satisfied and Slightly Satisfied



PDC Numbers and
Abbreviated
Names

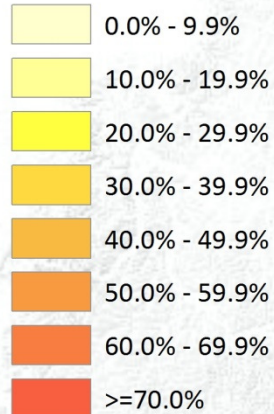
1	LENOWISCO	12	WEST PIEDMONT
2	CUMBERLAND PLATEAU	13	SOUTHSIDE
3	MOUNT ROGERS	14	COMMONWEALTH
4	NEW RIVER VALLEY	15	RICHMOND
5	ROANOKE VALLEY-ALLEGHANY	16	GEORGE WASHINGTON
6	CENTRAL SHENANDOAH	17	NORTHERN NECK
7	NORTHERN SHENANDOAH VALLEY	18	MIDDLE PENINSULA
8	NORTHERN VIRGINIA	19	CRATER
9	RAPPAHANNOCK-RAPIDAN	22	ACCOMACK-NORTHAMPTON
10	THOMAS JEFFERSON	23	HAMPTON ROADS
11	VIRGINIA'S REGION 2000		



Sources: Esri, USGS, NOAA

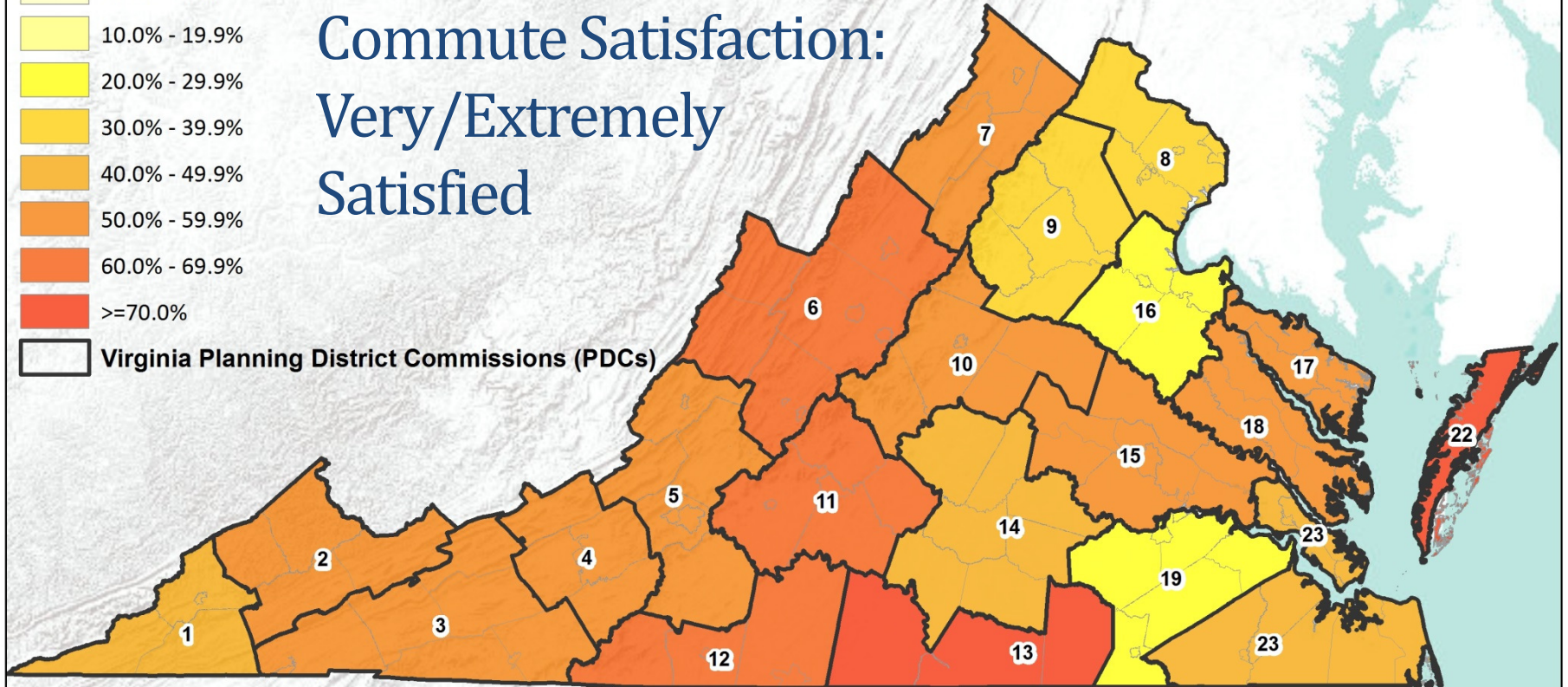
Commute Satisfaction

Percent Very or Extremely Satisfied



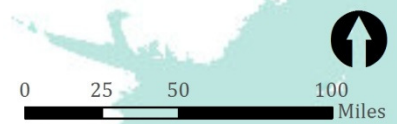
Commute Satisfaction: Very/Extremely Satisfied

Virginia Planning District Commissions (PDCs)



PDC Numbers and
Abbreviated
Names

1	LENOWISCO	12	WEST PIEDMONT
2	CUMBERLAND PLATEAU	13	SOUTHSIDE
3	MOUNT ROGERS	14	COMMONWEALTH
4	NEW RIVER VALLEY	15	RICHMOND
5	ROANOKE VALLEY-ALLEGHANY	16	GEORGE WASHINGTON
6	CENTRAL SHENANDOAH	17	NORTHERN NECK
7	NORTHERN SHENANDOAH VALLEY	18	MIDDLE PENINSULA
8	NORTHERN VIRGINIA	19	CRATER
9	RAPPAHANNOCK-RAPIDAN	22	ACCOMACK-NORTHAMPTON
10	THOMAS JEFFERSON	23	HAMPTON ROADS
11	VIRGINIA'S REGION 2000		



Sources: Esri, USGS, NOAA

Traffic Congestion and Leisure Trip Planning

Over 48% of survey respondents said that traffic congestion often or always influences their leisure destination choices

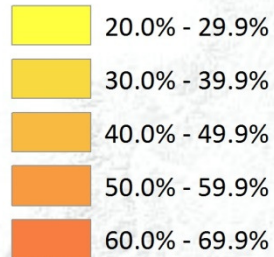
Top strategies for coping with congestion:

- Utilizing an alternate route
- Avoiding peak travel times
- Selecting a different destination or having a “staycation”



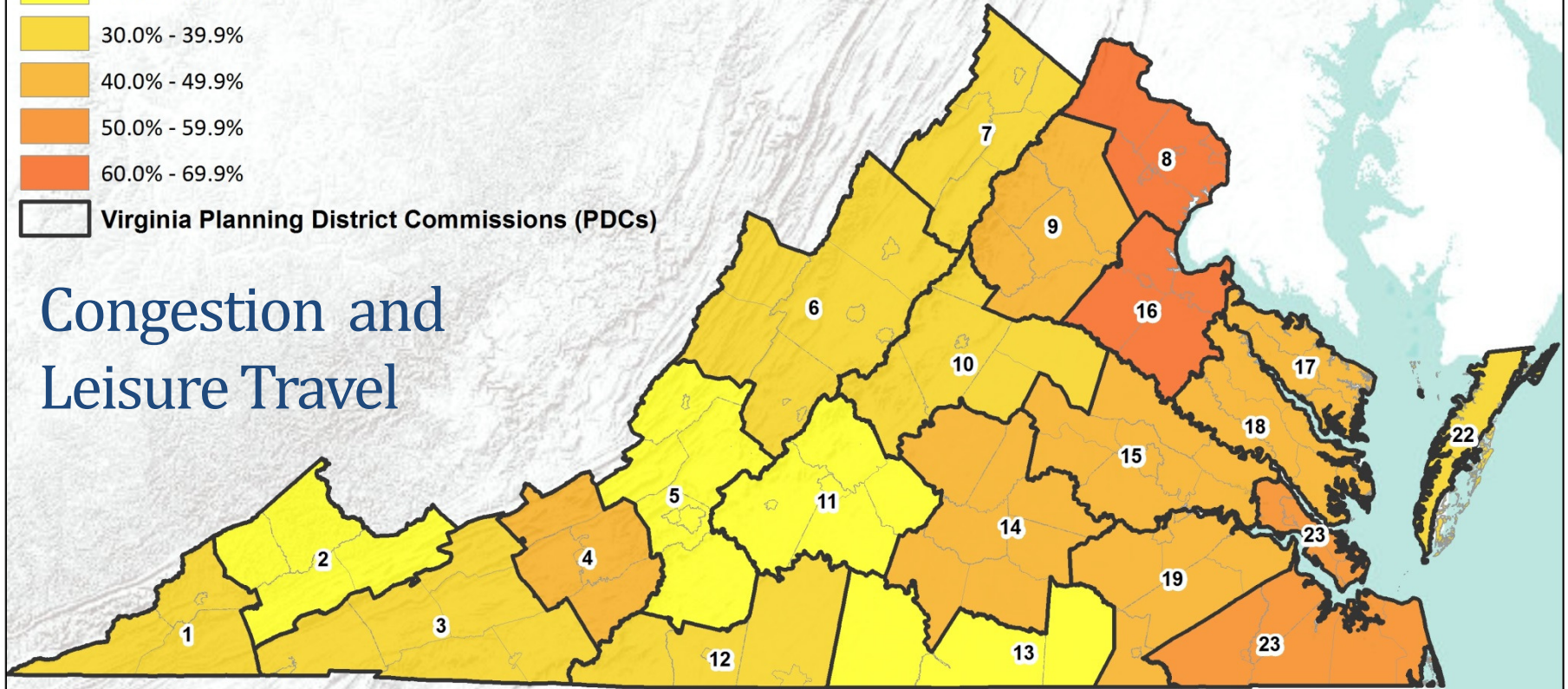
Impact of Congestion on Leisure Trip Planning

Percent whose Leisure Trip Choices are Often or Always Influenced by Traffic Congestion



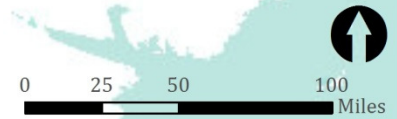
Virginia Planning District Commissions (PDCs)

Congestion and Leisure Travel



PDC Numbers and Abbreviated Names

- | | | | |
|----|----------------------------|----|----------------------|
| 1 | LENOWISCO | 12 | WEST PIEDMONT |
| 2 | CUMBERLAND PLATEAU | 13 | SOUTHSIDE |
| 3 | MOUNT ROGERS | 14 | COMMONWEALTH |
| 4 | NEW RIVER VALLEY | 15 | RICHMOND |
| 5 | ROANOKE VALLEY-ALLEGHANY | 16 | GEORGE WASHINGTON |
| 6 | CENTRAL SHENANDOAH | 17 | NORTHERN NECK |
| 7 | NORTHERN SHENANDOAH VALLEY | 18 | MIDDLE PENINSULA |
| 8 | NORTHERN VIRGINIA | 19 | CRATER |
| 9 | RAPPAHANNOCK-RAPIDAN | 22 | ACCOMACK-NORTHAMPTON |
| 10 | THOMAS JEFFERSON | 23 | HAMPTON ROADS |
| 11 | VIRGINIA'S REGION 2000 | | |

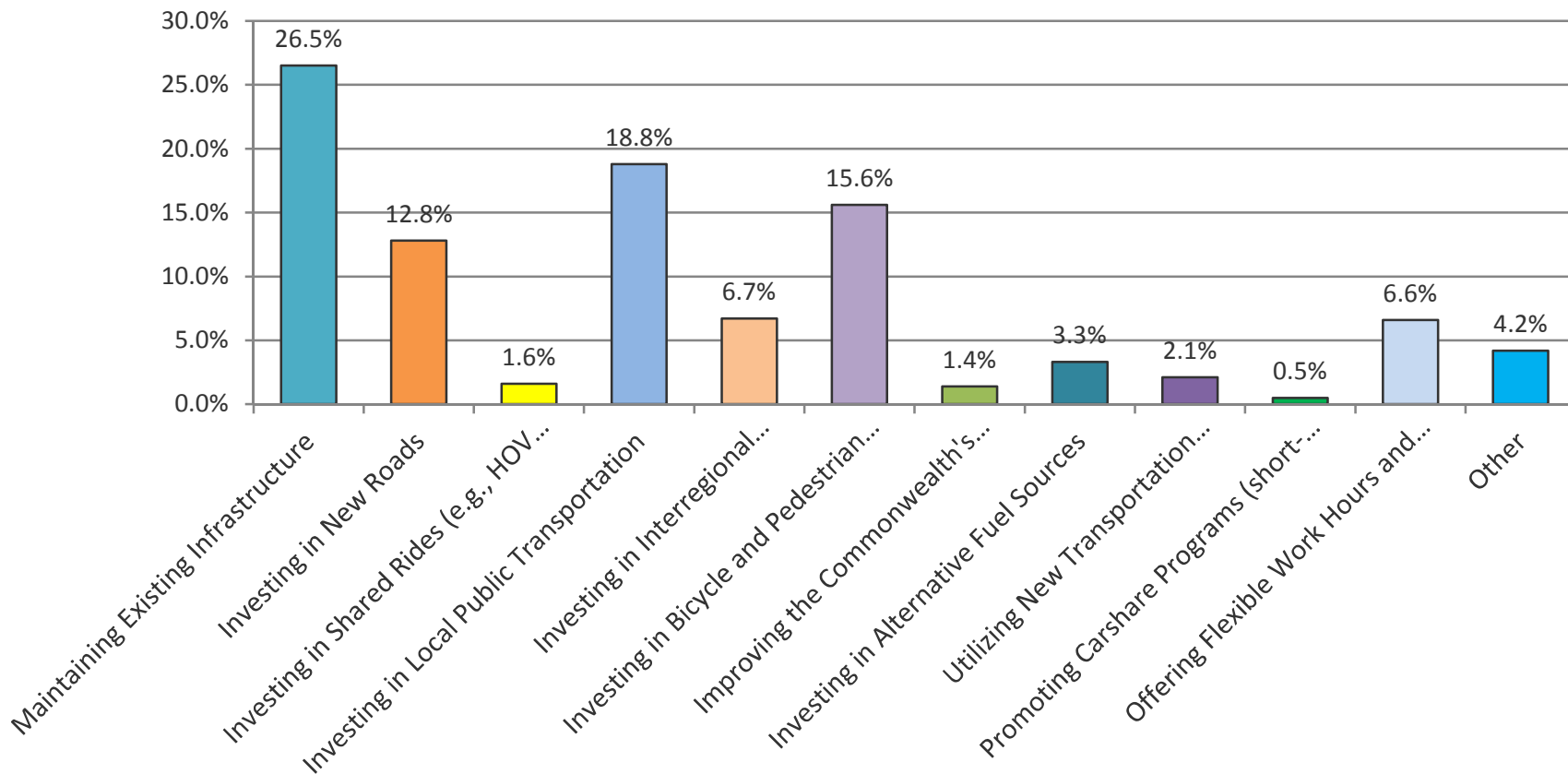


Sources: Esri, USGS, NOAA

Transportation

Focus Areas: Next 10 Years

27% of Respondents feel “ Maintaining Existing Infrastructure” is important



Other Key Findings

- A large portion of *Millennials* (**44%**), *Gen X'ers* (**37%**), and *Boomers* (**26%**) would BIKE TO WORK if they had the choice.
 - Time (*Millennials*) and availability of supporting infrastructure (*Gen X* and *Boomers*) are reasons why they can't BIKE TO WORK. In contrast, *Silent* generations want to DRIVE ALONE to work or school.
- The Transportation CHALLENGE identified by *All Generations* was TRAFFIC CONGESTION.
- The Transportation FOCUS identified by *Gen X'ers*, *Boomers* and the *Silent* was MAINTENANCE OF EXISTING INFRASTRUCTURE. *Millennials* are focused on investing in LOCAL PUBLIC TRANSPORTATION.

- Generation Z (19 and younger)
- Millennials (20-34)
- Generation X (35-49)
- Baby Boomers (50-68)
- Silent (69 and older)

