



# 2016 State of the Commute Draft Survey

Bicycle and Pedestrian Subcommittee Meeting  
September 20, 2016

# Survey Methodology

- ▶ Sixth triennial regional survey
- ▶ Randomly-selected employed residents (95% ± 1.3%)
- ▶ 5,029 phone interviews (751 cell phone)
- ▶ 874 Internet respondents
- ▶ Data collection conducted by CIC Research, Inc.
- ▶ Preliminary data analysis conducted by LDA Consulting

# Primary Mode by Age

Age	(n=___)	Primary Commute Mode				
		Drive Alone	Carpool / Vanpool	Bus	Train	Bike / Walk
Under 35 years old	711	55%	5%	8%	20%	6%
35-44 years old	1,099	66%	6%	3%	14%	3%
45-54 years old	1,683	67%	7%	4%	13%	2%
55 years or older	2,189	66%	5%	5%	15%	3%

# Primary Mode by Gender

Gender	(n=___)	Primary Commute Mode				
		Drive Alone	Carpool/ Vanpool	Bus	Train	Bike / Walk
Female	2,911	63%	4%	7%	15%	2%
Male	2,903	62%	7%	5%	16%	5%

# Primary Mode by Ethnicity

Ethnic Group	(n=__)	Primary Commute Mode				
		Drive Alone	Carpool / Vanpool	Bus	Train	Bike / Walk
Hispanic	331	58%	12%	8%	15%	3%
White	4,107	64%	4%	4%	15%	4%
African-American	1,028	64%	5%	7%	19%	1%

# Primary Mode by Income

Income	(n= __)	Primary Commute Mode				
		Drive Alone	Carpool/ Vanpool	Bus	Train	Bike / Walk
Less than \$40,000	267	67%	7%	10%	9%	4%
\$40,000 – 59,999	300	60%	6%	7%	13%	6%
\$60,000 – 79,999	398	61%	5%	7%	21%	1%
\$80,000 – 99,999	332	59%	5%	3%	19%	10%
\$100,000 – 119,999	632	64%	4%	3%	20%	4%
\$120,000 – 139,999	484	60%	5%	11%	14%	2%
\$140,000 – 159,999	442	64%	5%	4%	18%	2%
\$160,000 – 179,999	350	64%	6%	6%	15%	2%
\$180,000 – 199,999	300	68%	4%	1%	14%	2%
\$200,000 +	962	61%	6%	3%	19%	3%

# Primary Mode by State of Residence and State of Employment

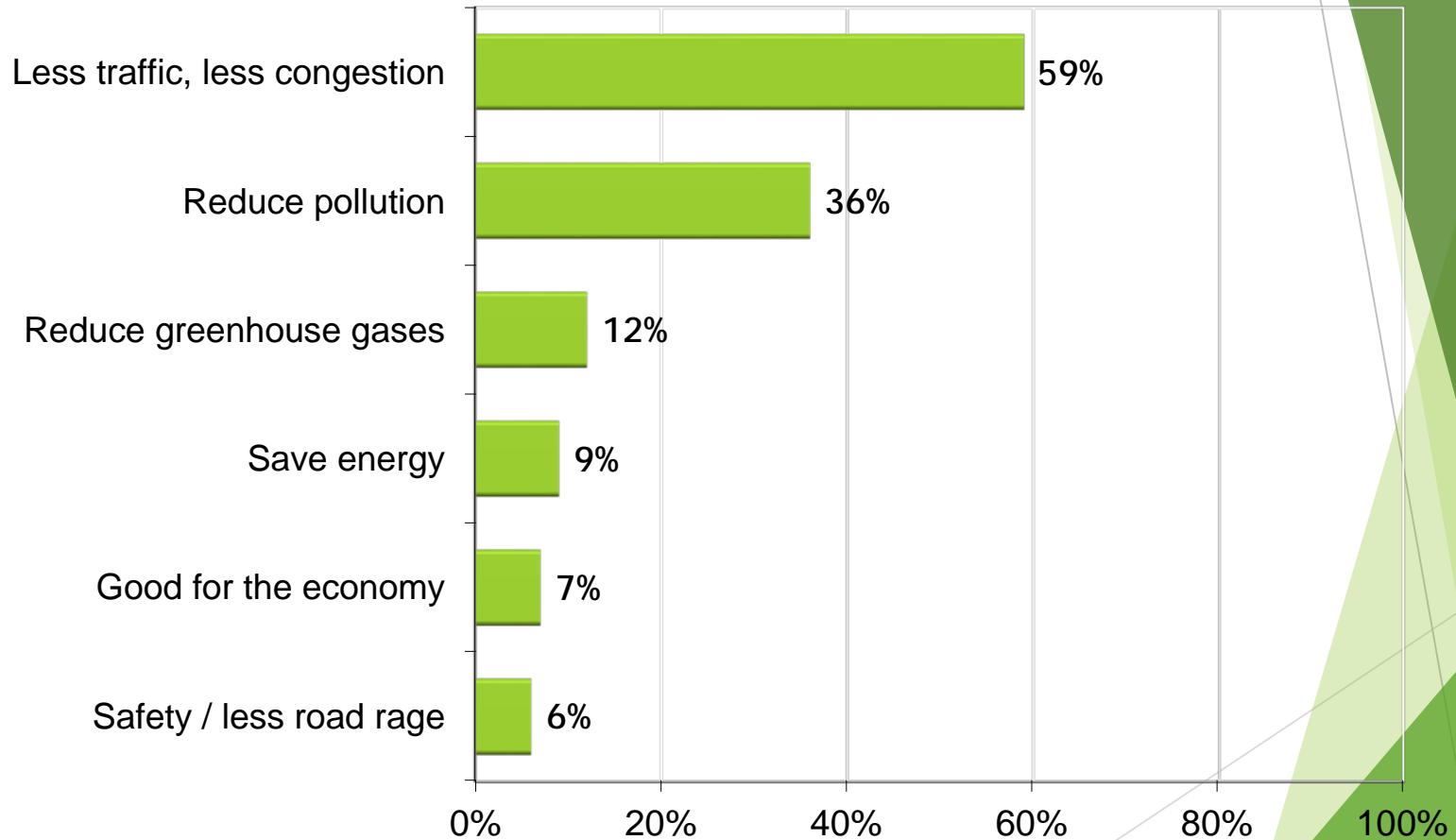
State	(n= __)	Primary Commute Mode				
		Drive Alone	Carpool/ Vanpool	Bus	Train	Bike / Walk
<b>State of Residence</b>						
District of Columbia	553	35%	4%	12%	30%	16%
Maryland	2,372	65%	6%	4%	17%	2%
Virginia	2,562	67%	6%	6%	11%	2%
<b>State of Employment</b>						
District of Columbia	1,710	38%	6%	8%	37%	6%
Maryland	1,656	76%	6%	4%	6%	3%
Virginia	2,036	73%	5%	5%	6%	2%

# Personal Benefits of Alternative Transportation

Personal Benefit	All Alt Mode Users	Carpool/ Vanpool	Bus	Train	Bike/Walk
Save money	33%	40%	36%	24%	41%
Avoid stress, relax	22%	15%	22%	27%	17%
Use travel time productively	18%	13%	23%	18%	13%
Get exercise, health	13%	1%	3%	6%	73%
Arrive at work on time	10%	9%	6%	12%	7%
No need for a car	8%	2%	7%	11%	3%
Save time, travel faster	7%	13%	3%	5%	13%
Companionship on commute	7%	23%	5%	3%	0%
Help the environment/ GHG	6%	1%	2%	9%	9%
Less wear and tear on car	3%	6%	2%	4%	1%

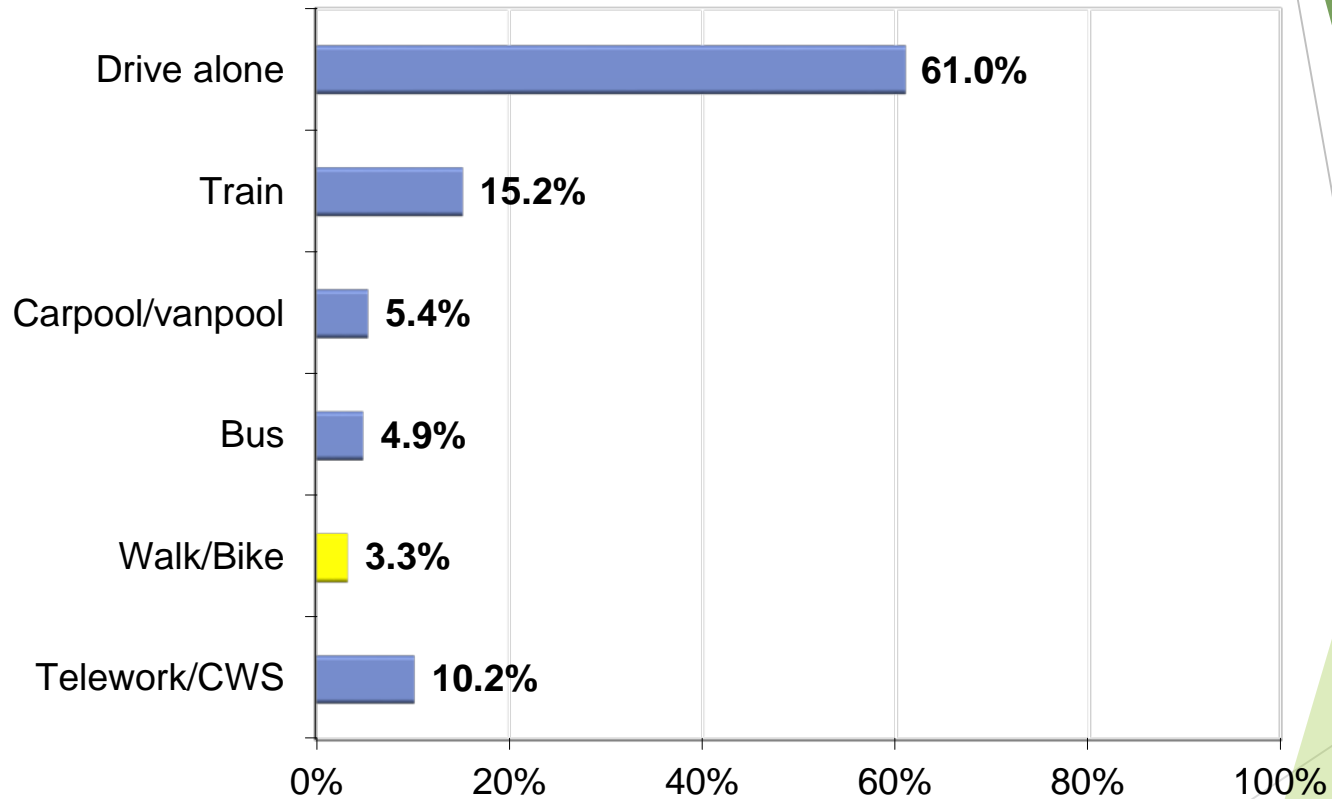


# Societal Benefits of Alternative Transportation



2013 n = 5,718 - 2016 n = 5,239

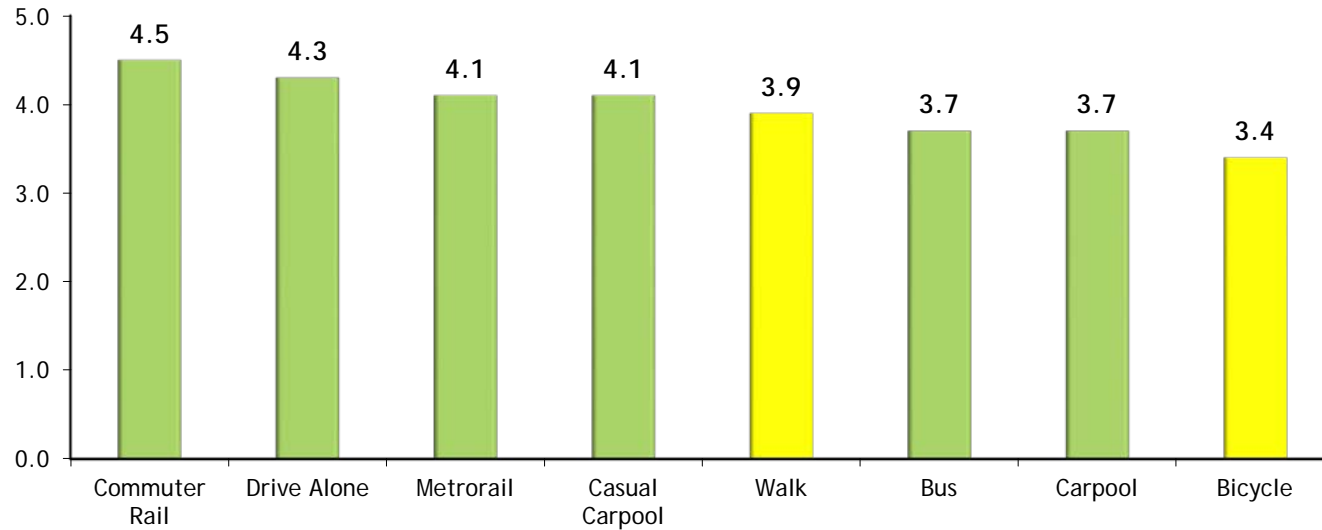
# Weekly Commute Trips



(n = 5,503)

# Mode Usage

## Average Number of Days

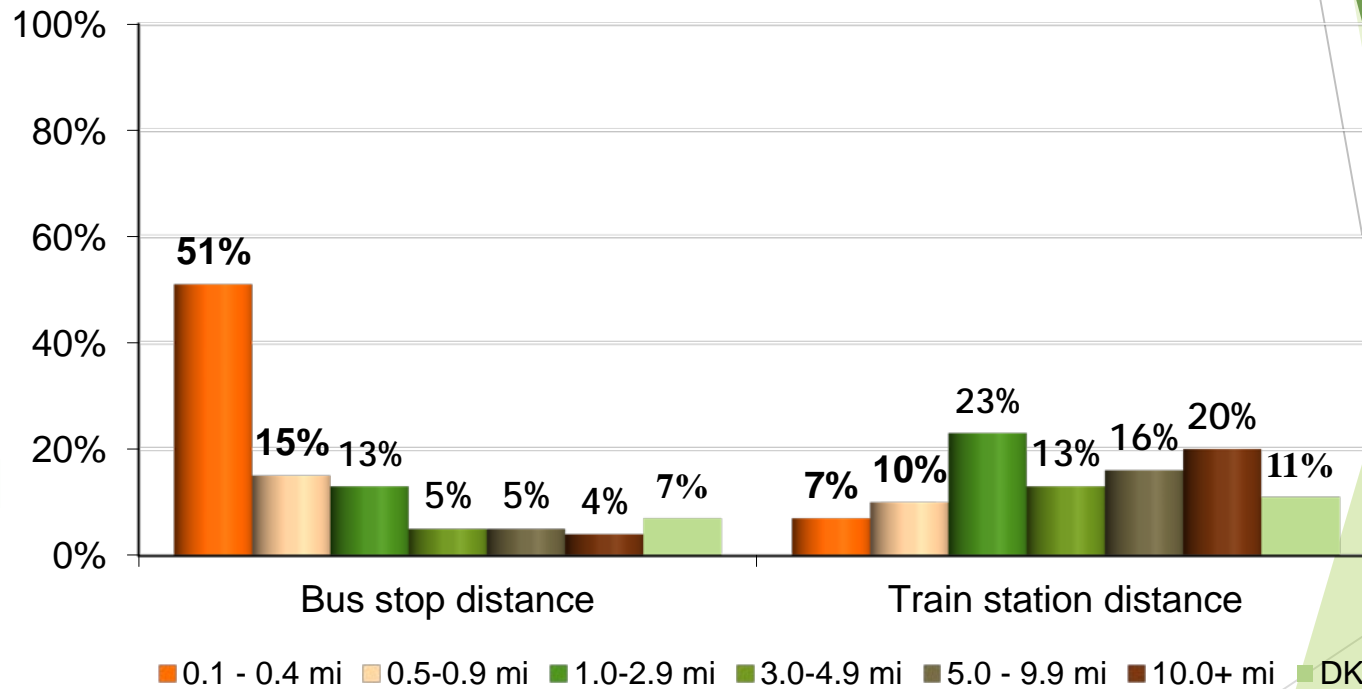


(Commuter Rail n = 66, Drive Alone n = 3,844, Metrorail n = 700, Casual Carpool n = 50, Walk n = 127, Bus n = 319, Carpool n = 267, Bicycle n = 103; Note Vanpool not included due to insufficient sample size; multiple responses permitted)

# Commute by Distance and Time

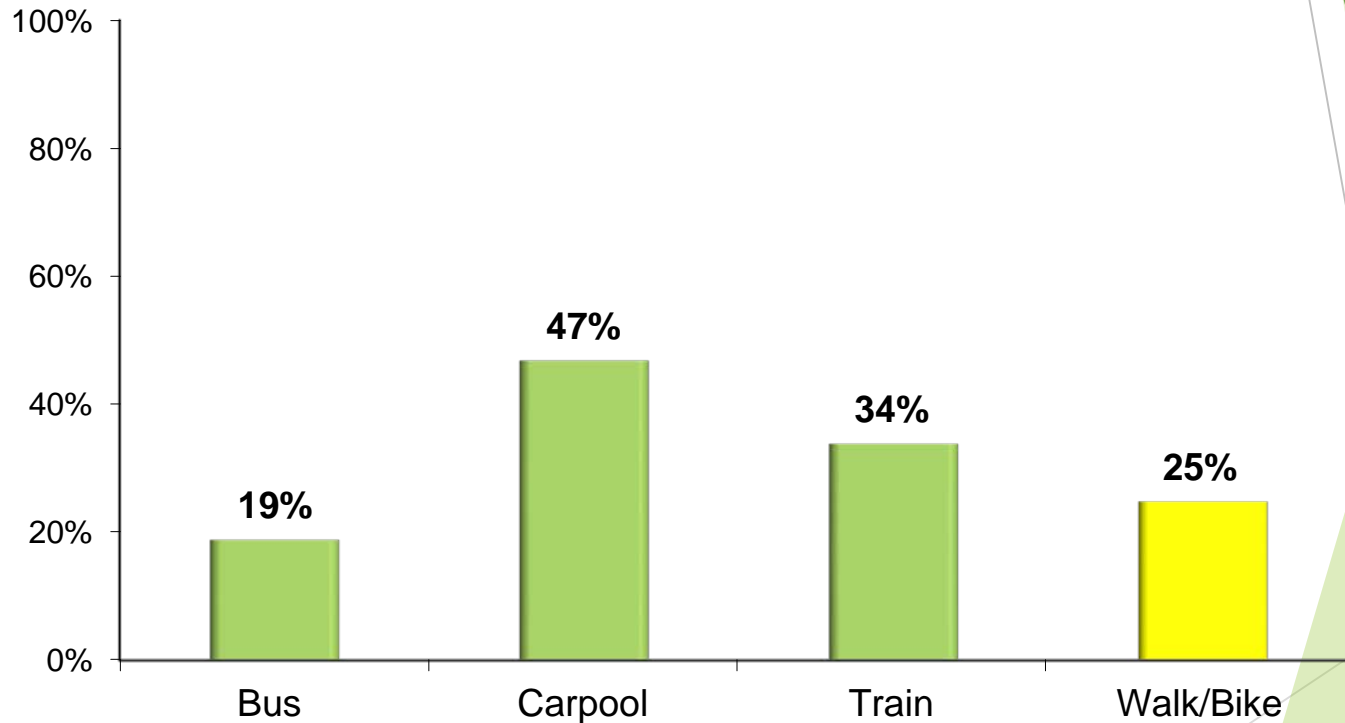
Primary Commute Mode	Average Distance (mi.)		Average Time (min.)	
	(n=__)	Average	(n=__)	Average
Commuter rail	49	29.1 mi.	59	72 min.
Carpool	248	19.0 mi.	259	42 min.
Bus	229	18.4 mi.	267	47 min.
Drive alone	3,359	17.7 mi.	3,417	35 min.
Metrorail	484	15.0 mi.	614	48 min.
Bike	67	4.4 mi.	68	22 min.
Walk	107	1.2 mi.	108	17 min.

# Distance to Transit



Bus n = 5,238 - Train n = 5,239

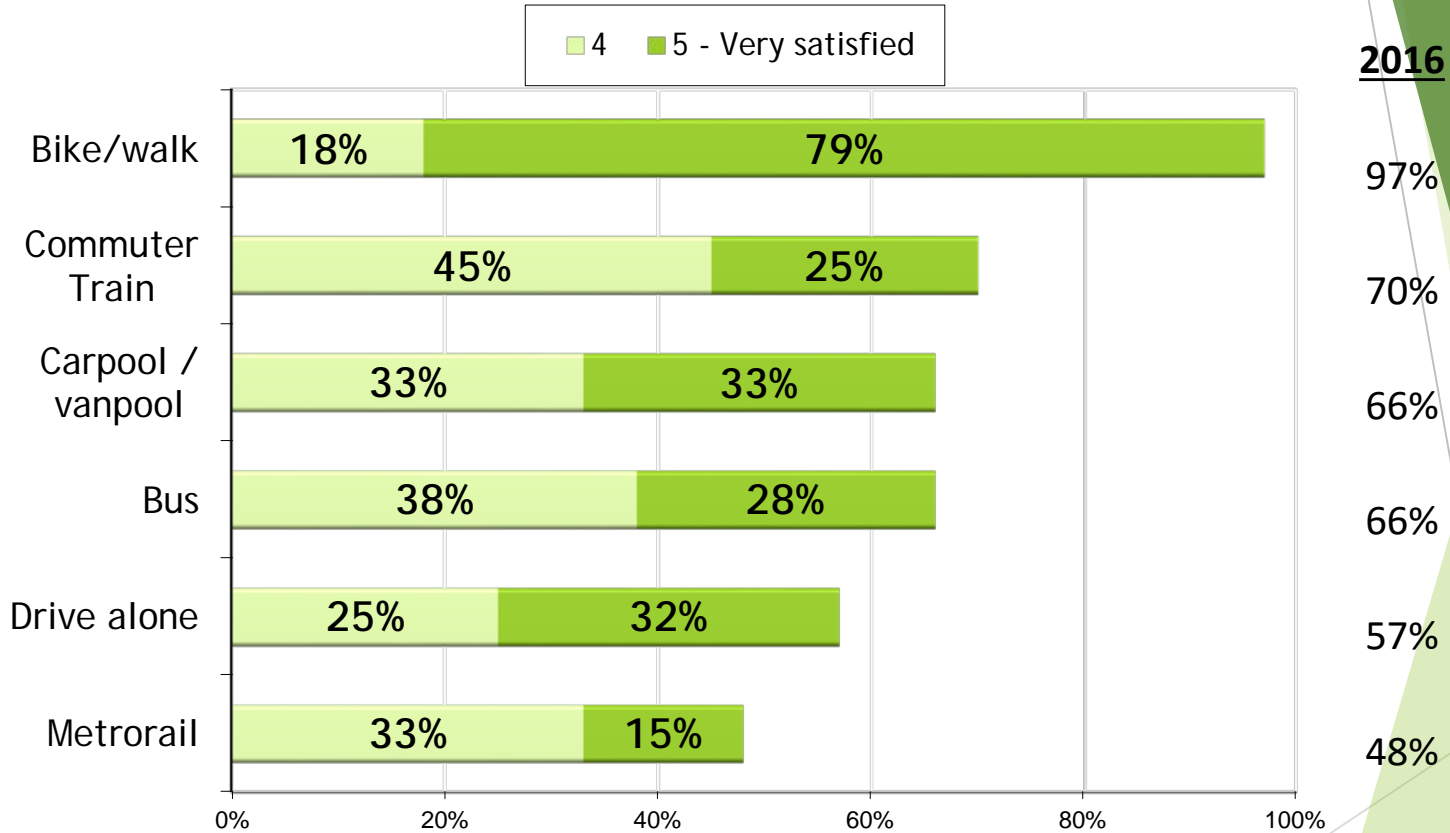
# Shift from Drive Alone to Alternative Mode



(n = 523), multiple responses permitted

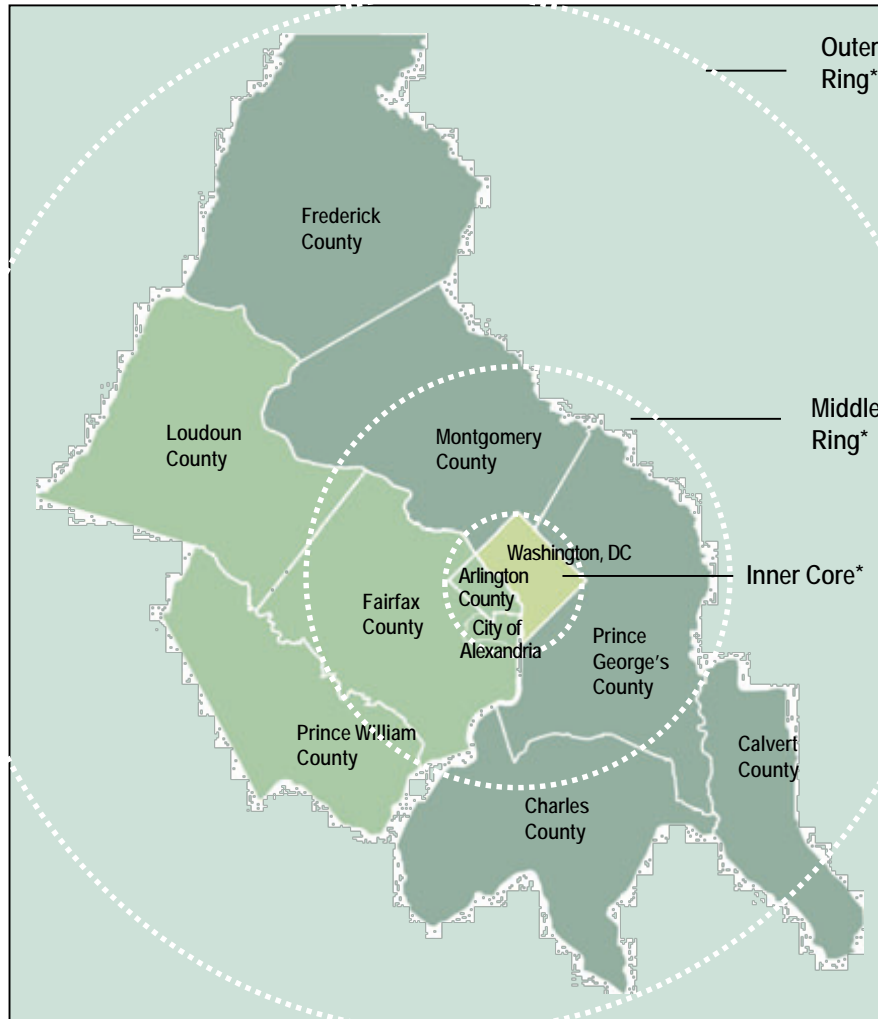
# Commute Satisfaction by Mode

Scale of 1 - 5



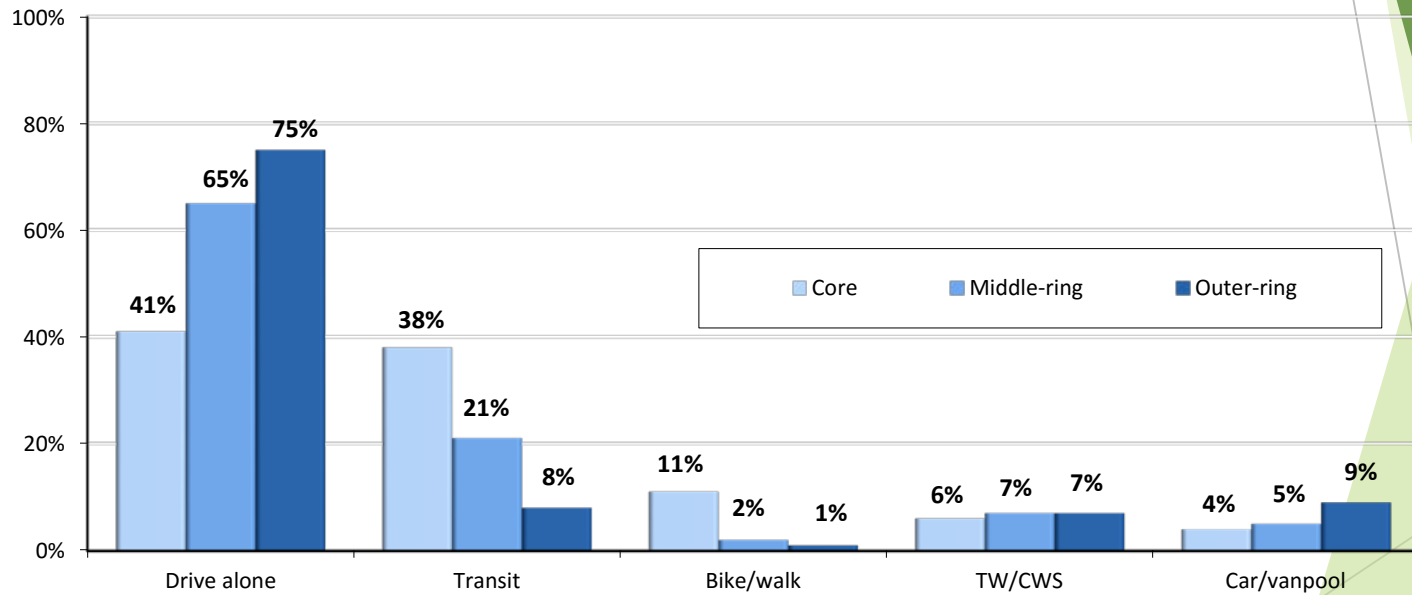
Bike/walk n = 180, Commuter Train n = 62, Carpool/vanpool n = 283,  
Bus n = 284, Drive alone n = 3,552, Metrorail n=634

# Washington Region Geographic Areas



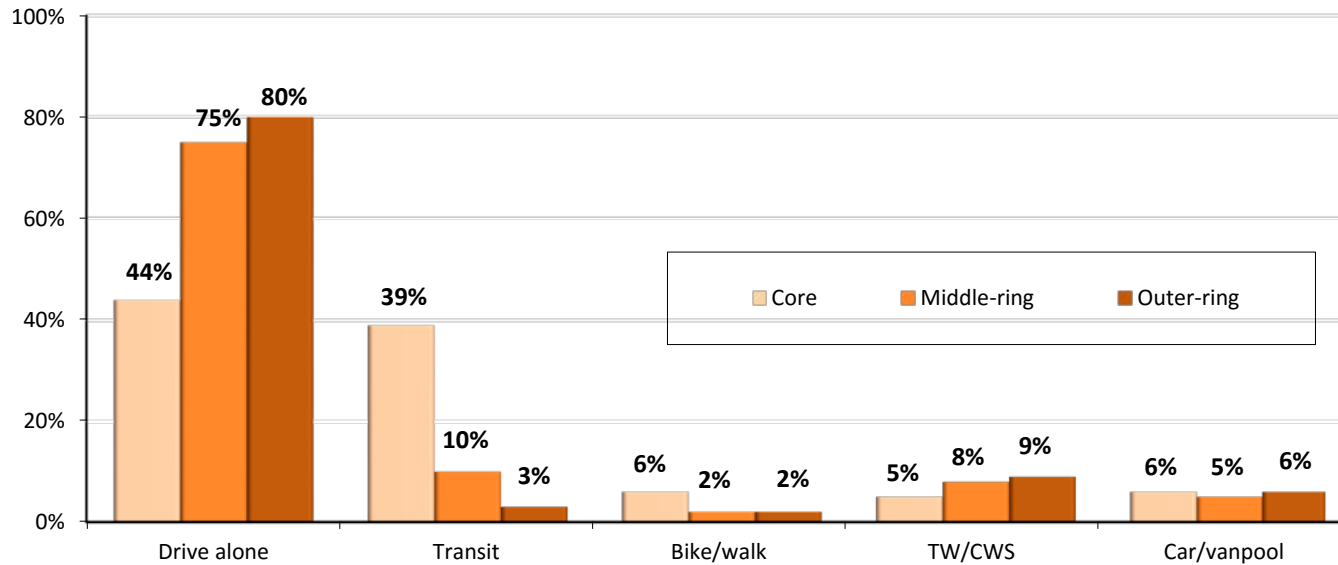


# Primary Mode by Home Area



(Inner Core n = 1,528, Middle Ring n = 1,546, Outer Ring n = 2,413)

# Primary Mode by Work Area

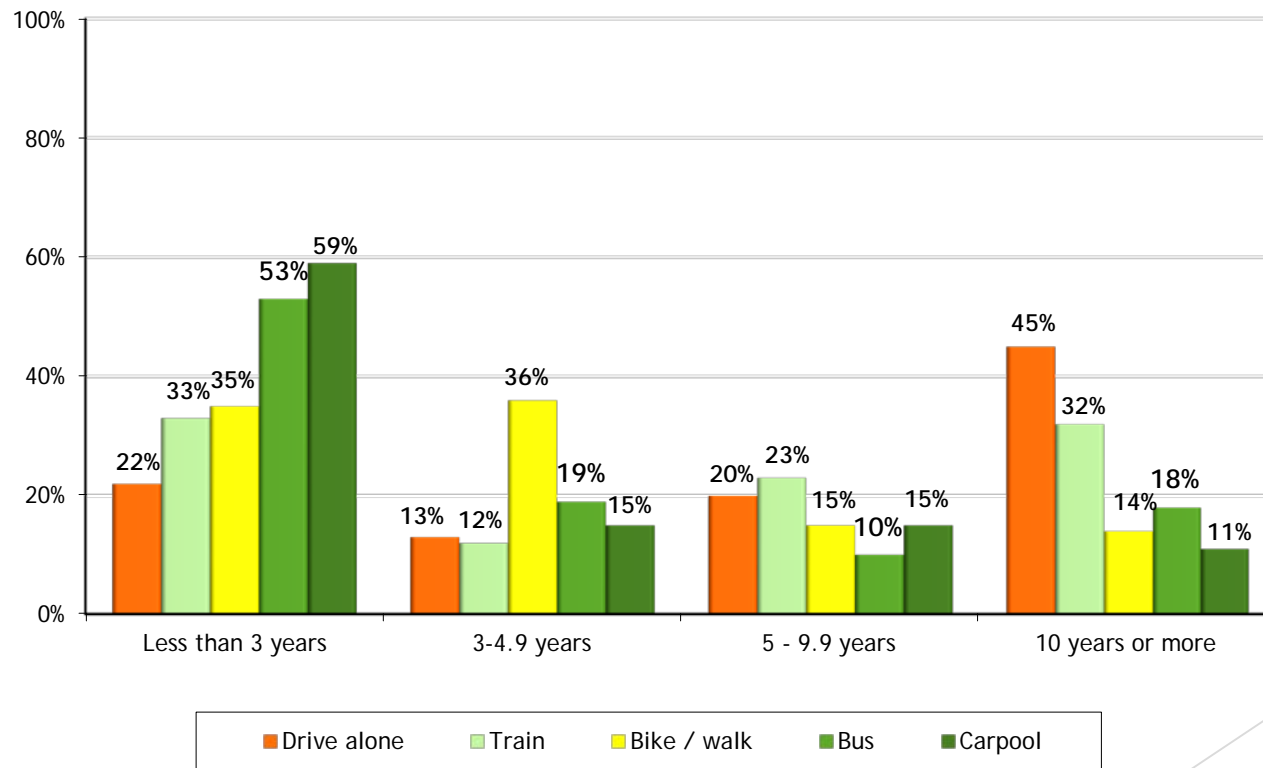


(Inner Core n = 2,406, Middle Ring n = 1,758, Outer Ring n = 1,306)

# Commuter Services Available by Work Area

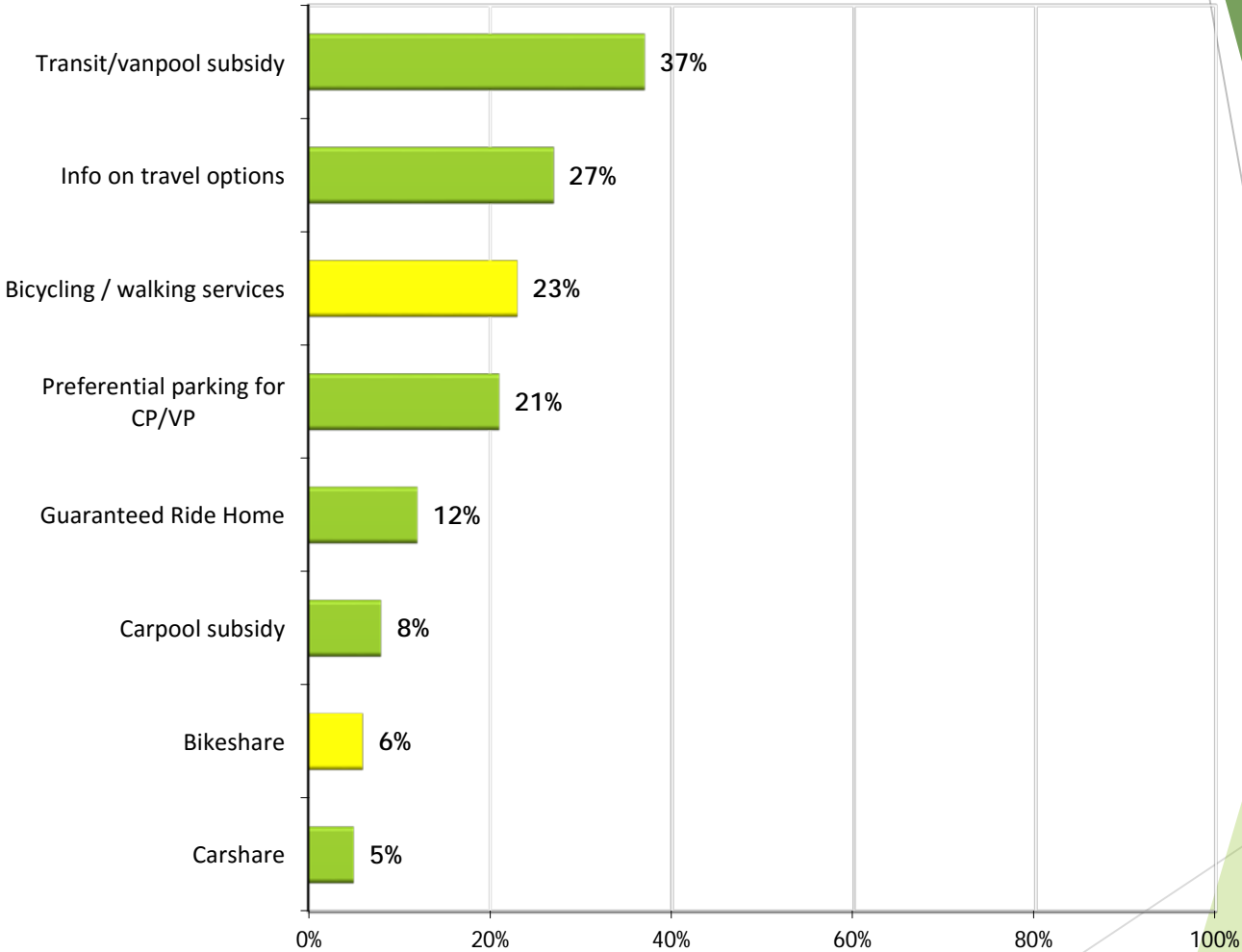
Incentives/Support Services	Inner Core	Middle Ring	Outer Ring
Any services offered	70%	47%	35%
SmartBenefit/transit/VP subsidy	57%	25%	10%
Commute information	31%	26%	16%
Bike/walk services	32%	17%	11%
Preferential parking	23%	21%	13%
GRH	13%	11%	11%
Carpool subsidy / cash payment	10%	7%	5%
Capital Bikeshare	10%	3%	1%
Carshare (Zipcar, car2go)	7%	5%	2%

# Duration of Mode Use



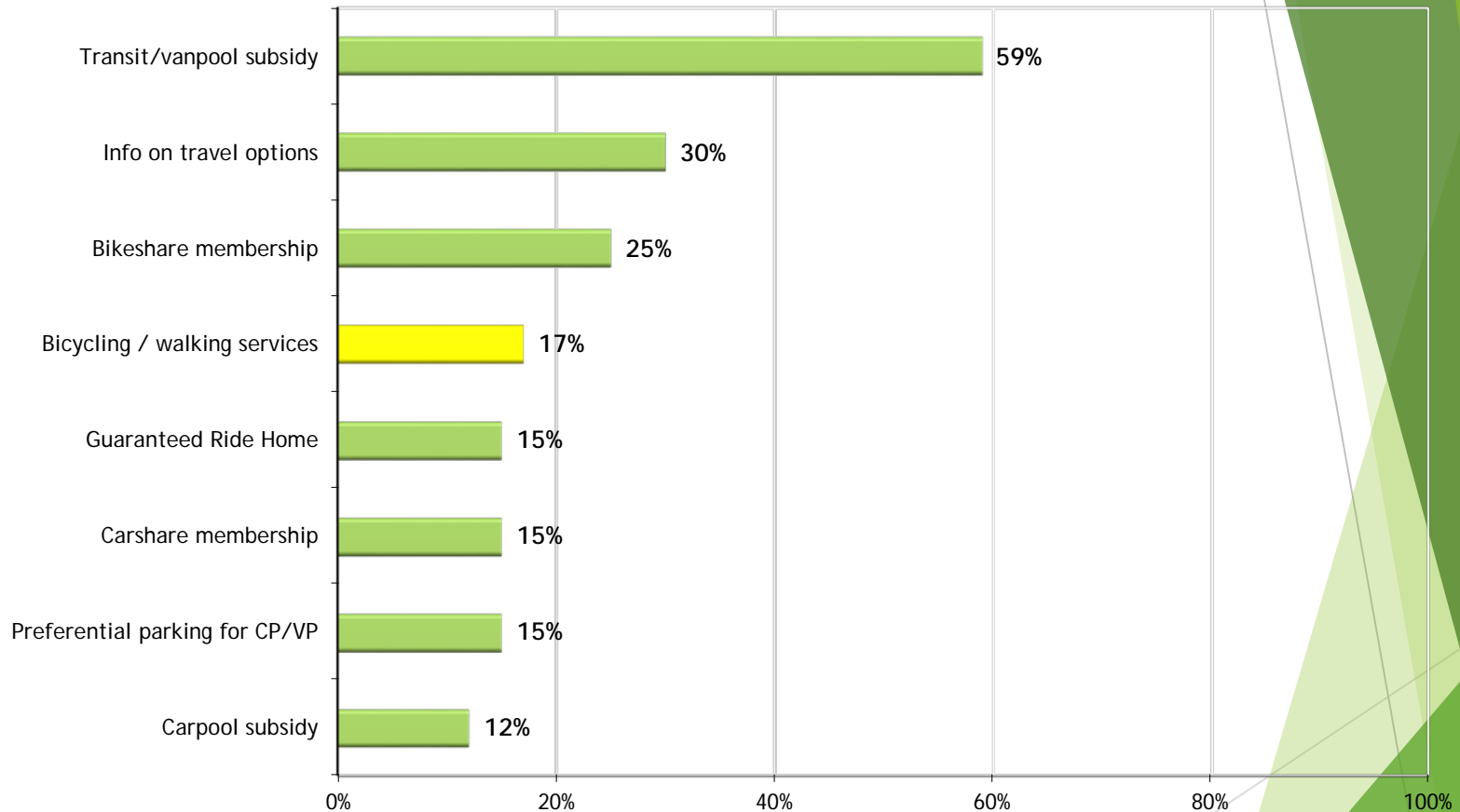
(Drive alone n = 2,774, Train n = 671, Bus n = 273, Bike / Walk n = 209, Carpool n = 290)

# Services Available by Employer



2010 SOC n = 5,899, 2013 SOC n = 5,524, 2016 SOC n = 5,086

# Use of Employer Provided Services



Transit/vanpool subsidy n = 1,962, Information on travel options n = 1,425, Bikeshare membership n = 291, GRH n = 643, Bicycling / walking services n = 1,284, Carshare membership n = 226, Preferential parking n = 1,078, Carpool subsidy n = 407

# Commuter Services Available by Employer Size

Incentives/Support Services	Employer Size			
	1-100 (n = 2,089)	101-250 (n = 640)	251-999 (n = 779)	1,000+ (n = 1,269)
Any services offered	38%	54%	75%	79%
SmartBenefit/transit/VP subsidy	20%	36%	52%	63%
Commute information	14%	24%	39%	48%
Bike/walk services	10%	18%	35%	43%
Preferential parking	8%	13%	29%	44%
GRH	11%	13%	10%	14%
Carpool subsidy / cash payment	3%	7%	10%	16%
Capital Bikeshare	3%	5%	11%	9%
Carshare (Zipcar, car2go)	2%	6%	10%	7%

# Commuter Services Available by Employer Type

Incentives	Federal (n = 1,317)	Non-profit (n = 626)	State/local (n = 682)	Private (n = 2,168)
Any services offered	84%	57%	45%	44%
SmartBenefit/transit /VP subsidy	73%	42%	25%	22%
Commute information	48%	24%	25%	19%
Bike/Walk services	43%	24%	14%	15%
Preferential parking	47%	11%	14%	12%
GRH	15%	13%	8%	11%
Carpool subsidy / cash payment	18%	4%	4%	5%
Capital Bikeshare	10%	7%	7%	3%
Carshare	6%	7%	6%	4%



# Thank You

Douglas Franklin

[dfranklin@mwcog.org](mailto:dfranklin@mwcog.org)

202 962-3792

