Capital Bikeshare

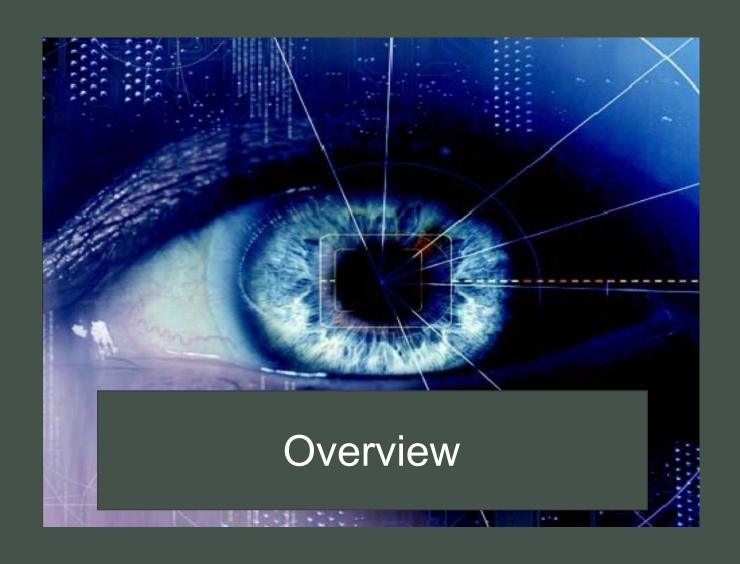
2013 Customer Survey Highlights of Results



June 18, 2013 Lori Diggins LDA Consulting







Survey Overview

- Purpose of survey Examine:
 - Characteristics of CB members
 - Characteristics of bikeshare trips
 - Travel changes in response to bikeshare
 - Auto ownership / use changes with bikeshare
- Online survey method
 - CB staff sent email invitation to 11,100 registered members (half of total 22,205)
 - Total sample of 3,731 (34% response)
 - Parallel health survey was sent to remaining 11,100 members, with 3,111 completed surveys (28% response)
 - Data from the two surveys were combined for questions that were included on both surveys

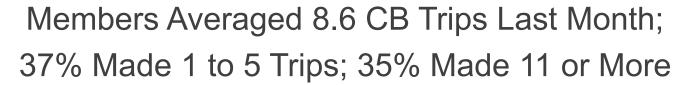




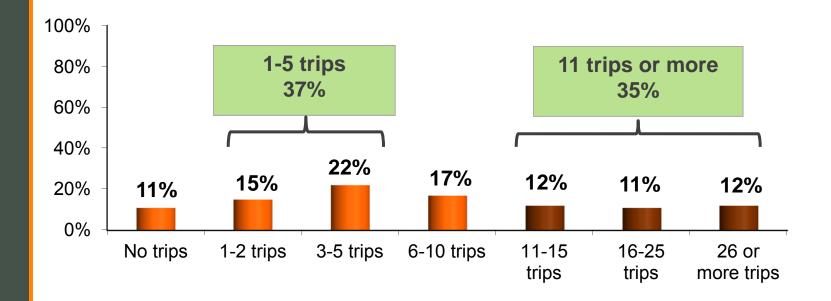


- Compared to all commuters in the DC metro region, CB members are:
 - Considerably younger 63% under 35
 - More likely to be male 56%
 - More likely to be White 80%
 - Very highly educated 95% have college degrees
 - Slightly less affluent likely related to young age
 - Less likely to have a vehicle regularly available 46%



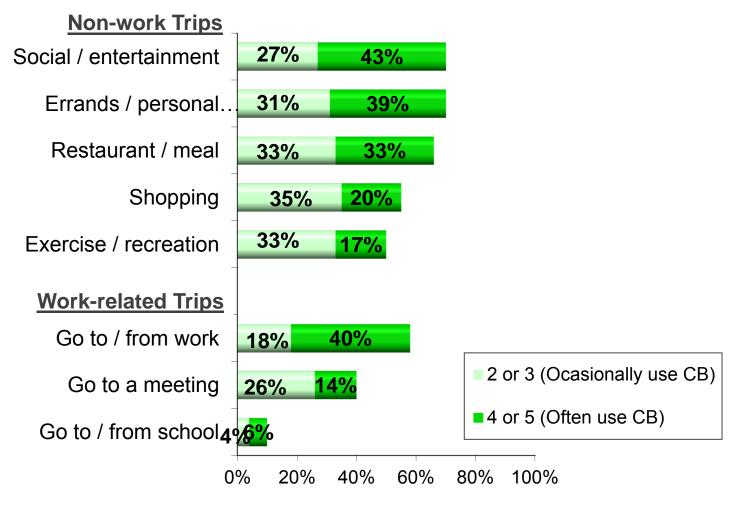


Use was well distributed across trip frequency categories – suggests demand exists for use at many levels



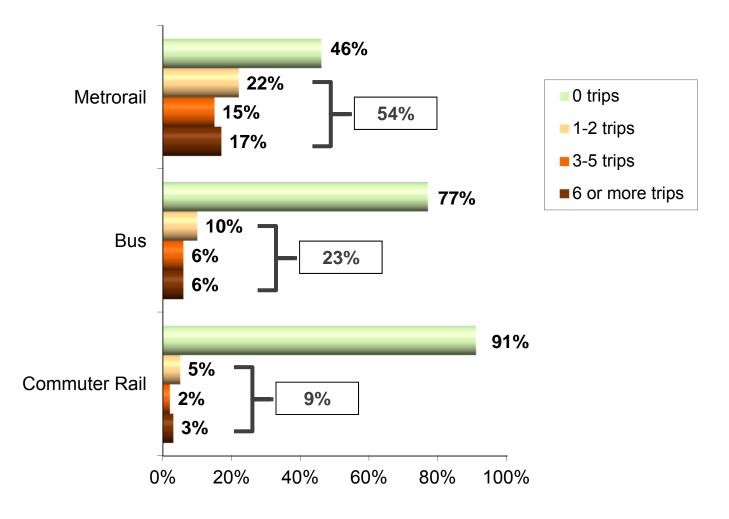
Q8 In the past month, about how many Capital Bikeshare trips did you make?





Q10 What are the primary trips for which you use Capital Bikeshare? Rate from 1 (never use CB) to 5 (Very often use CB) for this type of trip





Q9 Of the Capital Bikeshare trips that you made last month, approximately how many <u>started or ended</u> at the following public transit locations

n = 3,731

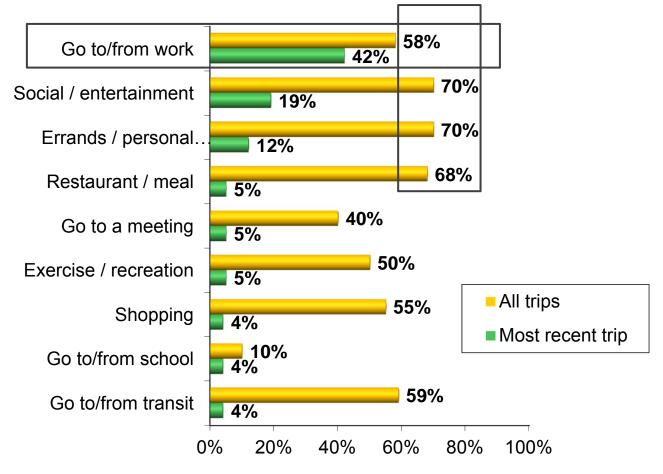
The "most recent trips" are evenly divided between work-related (51%) and non-work (49%) trips

All trips made n = 6.842

Most recent trip n = 2,817

The Most Common Recent Trip Purpose was to Go to Work, but Work is a Less Common Purpose Overall

This suggests work trips are made more frequently, but are concentrated among a smaller number of members



Q10 What are the primary trips for which you use Capital Bikeshare?

Q11 What was the primary purpose of your MOST RECENT Capital Bikeshare trip?

CB was Chosen for Most Recent Trips Primarily Because Bicycle was Faster / Easier to Use

Other common reasons: too far to walk, wanted to get exercise



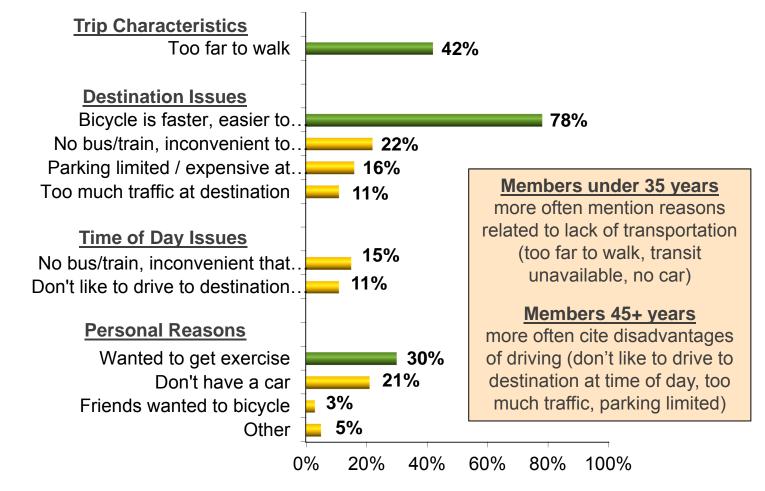
Transit - 44%

Walk - 38%

Taxi - 6%

Personal bike – 5%

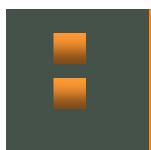
Personal car – 4%



Q15 For what reasons did you choose Capital Bikeshare for this particular trip, instead of another type of transportation?

n = 2,813





35% made 1-5 induced trips

5% made 11+ induced trips

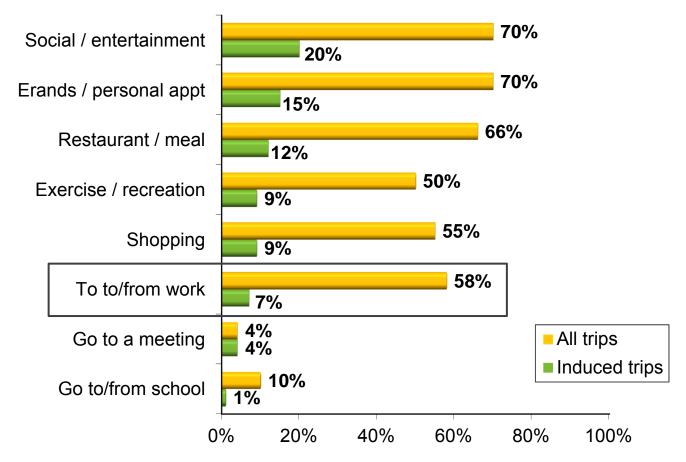
Induced trips account for 21% of all CB trips

All trips made n = 6,842

Induced trips in past month n = 3,731

40% of Members Made an Induced Trip in the Past Month - Average of 1.8 Trips

Most induced trips are non-work-related and are distributed in proportion to overall non-work trip use



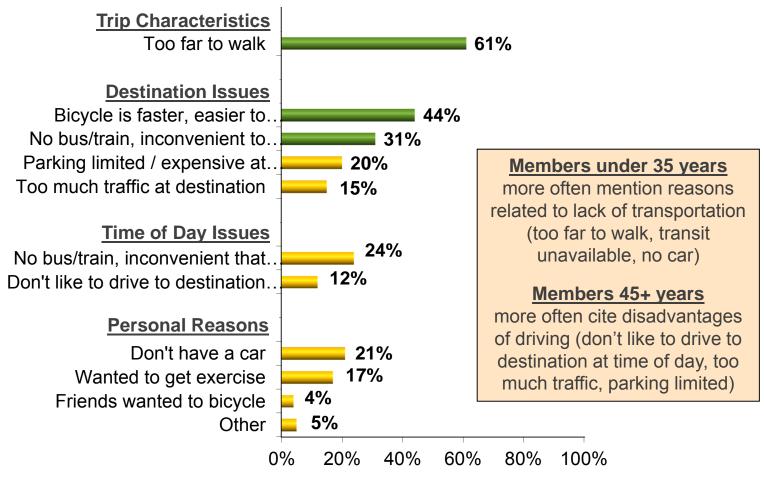
Q10 What are the primary types of trips for which you use Capital Bikeshare?

Q17 In the past month, how many times did you use Capital Bikeshare to make a trip you would not have made if Capital Bikeshare had not been available?

Q18 For what purposes did you make these trips?

CB was Used for Most Induced Trips Because the Destination was Too Far to Walk

Suggests members might have substituted trips to distant locations for trips they would have made closer to home



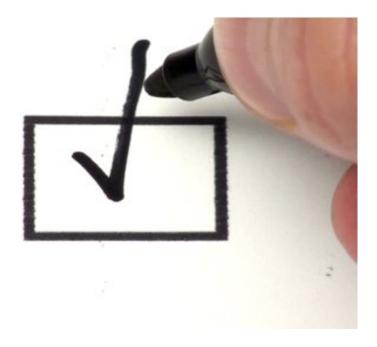
Q20 Why would you not have made these trips without Capital Bikeshare?

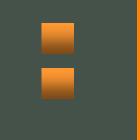


Travel Changes Since
Joining Capital Bikeshare



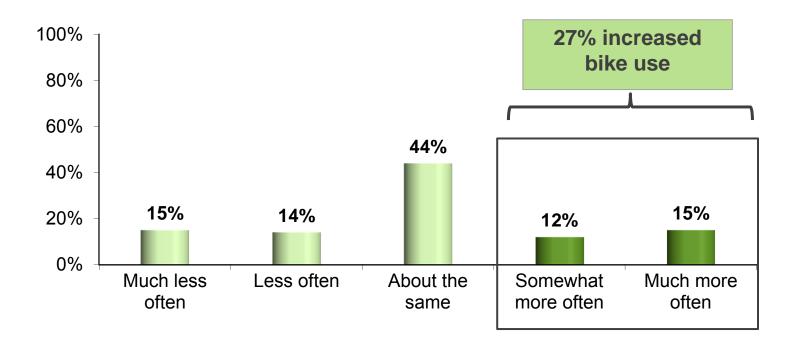
- Bicycle use (any bicycle)
- Use of non-bicycle modes
- Vehicle ownership
- Driving miles
- Commute mode





27% of Members Said they Increased their Bicycle Use Since Joining CB

High CB use was reported by members who increased bike use, but also by members who reported biking less often – Suggests they might have shifted bike use from personal bike to CB



Change in bicycle use since Joining CB

Q25 As a result of your use of Capital Bikeshare, do you use a bicycle (any bicycle) more often, less often, or about the same as before you joined Capital Bikeshare ...?

n = 2,527

A Large Share of Members Reduced Car Use, also Use of Transit, Walk, and Taxi;

Indicates likely shifts to bike from all modes

-61%

4%

More often/Much more often

35%

"Much less" Use

Metrorail – 21%

Bus - 19%

Metrorail

Walk - 8%

Drive car – 30%

Taxi – 31%

Bus 45% 3% -52% Walk -54% 39% Drive a car -50% 49% 1% Taxi 1% -60% 39% -80% -60% -40% -20% 0% 20% 40% 60% 80%

About the same

n = 2,626

Bus
n = 2,671

Walk
n = 2,653

Drive a car
n = 2,557

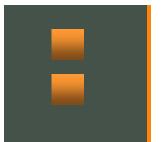
Taxi

n = 2,607

Metrorail

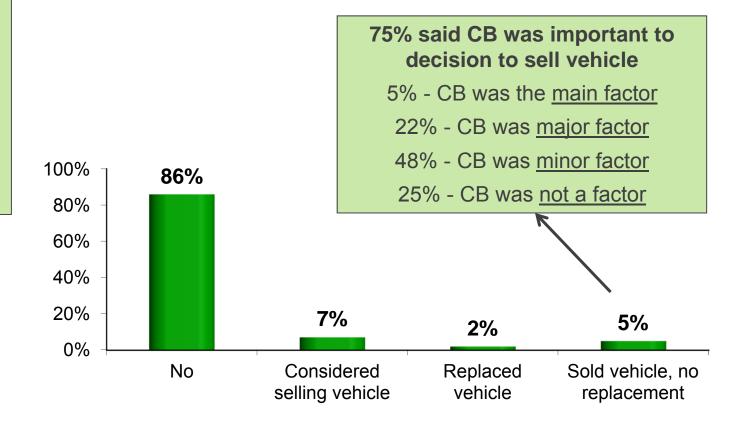
Q25 As a result of your use of Capital Bikeshare, do you use a bicycle (any bicycle) more often, less often, or about the same as before you joined Capital Bikeshare...?

Less often/Much less often



5% of Members Reduced their Household Vehicles; 7% Considered Doing So

50% of members who reduced their HH vehicles now are carfree – They eliminated their only vehicle



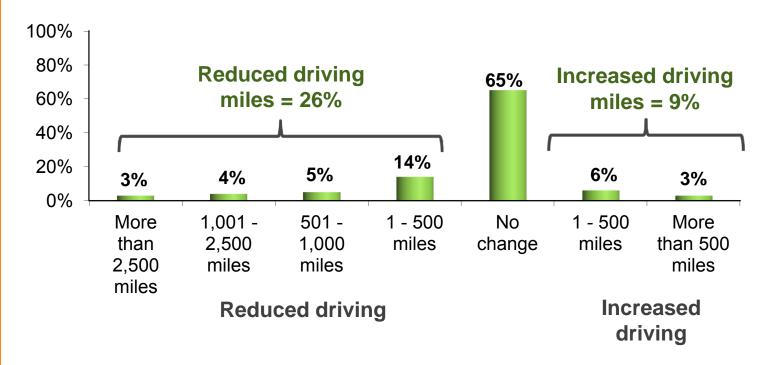
Sold HH vehicle n = 2.926

Factor in decision n = 338

Q31 Since you joined Capital Bikeshare, have you sold a personal household vehicle or considered selling a personal vehicle?

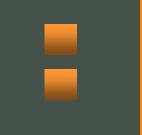
Q32 To what extent did your membership in Capital Bikeshare contribute to your decision to sell or consider selling a personal vehicle?





- Q27 Approximately how many miles do you drive per month now in the Washington metro region (including miles in vehicles you own, rent, or borrow)?
- Q28 During the year before joining Capital Bikeshare, approximately how many miles per month did you drive on average in the Washington metro region?
- Q29 If you have reduced your driving miles since you joined Capital Bikeshare, to what extent did Capital Bikeshare contribute to the reduction?

n = 2.373



CB Members Reduce <u>4.4 Million Driving Miles</u> Per Year Compared with their Pre-CB Mileage

78% of members who reduced driving miles said bikeshare was a factor in their decision

Annual miles reduced per member			
Annual driving miles Before CB	1,805		
Annual driving miles Since CB	- 1,607		
Change in driving miles (each member)	198		

Total annual miles reduced		
CB members (Nov 2012)	22,205	
Change in driving miles per member	x 198	
Total annual driving miles reduced	4.4 million	





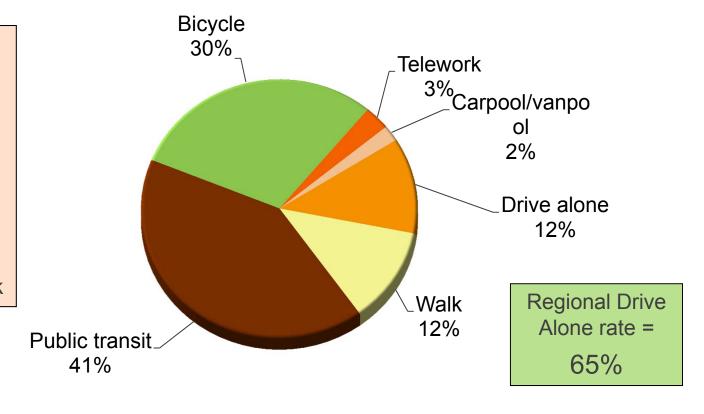
41% primarily ride transit and 30% primarily bicycle

CB members also travel much shorter distances to work

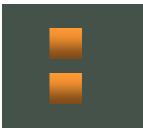
Average distance

CB = 6.3 mi Region = 16.5 mi

63% of CB members travel <5 miles to work



Q35 In a typical week, how many days do you use each of the following types of transportation to get to work? If you use more than one on a single day, report the type you use for the longest distance part of your trip.



Bike Access Mode?

Of members who reported **bike** change:

37% commute primarily by transit

12% had an observed change to transit

2012 Survey

Reported change n = 4.864

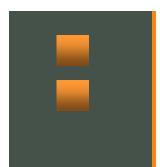
Observed change n = 4,864

57% of Members Reported a Commute Change, but Change Was "Observed" for Only 38%

Some changes could have been temporary, but it's likely some changes were for "access modes" rather than primary modes – bike and walk changes were least likely to be observed

Commute Changes	Reported Change	Observed Change
Any change in commute	57%	38%
- Started bicycling / ride a bike more often	44%	31%
- Started walking / walk more often	13%	7%
- Started riding transit / ride transit more often	11%	9%
- Started teleworking / telework more often	8%	5%
- Started car/vanpooling / CP/VP more often	2%	1%

Q36 In the past year, did you make any of the following changes in how you travel TO work?

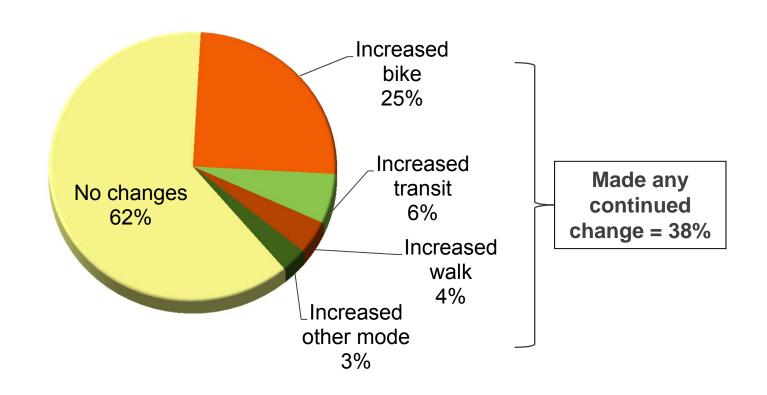


Bike as Access Mode

An additional 6% of members started biking to reach a transit stop

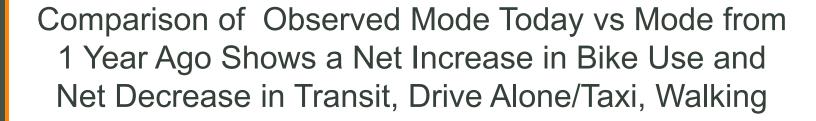
Overall 38% of Members Made a Continued Commute Change

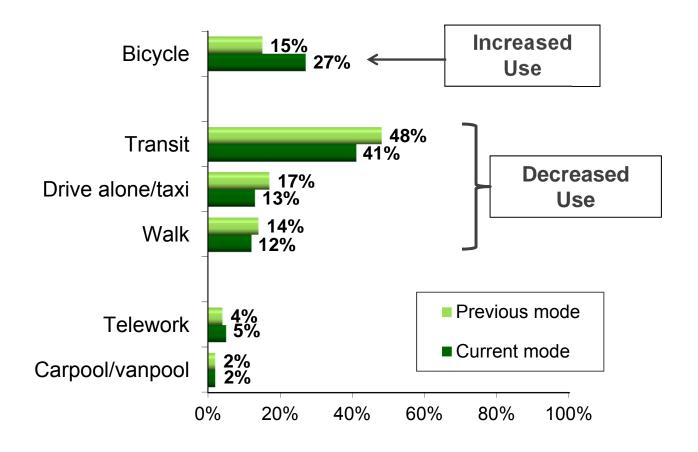
25% Made their "Most Significant Change" to Bike



n = 4,864

Q36 In the past year, did you make any of the following changes in how you travel to work?
Q35 In a typical week, how many days do you use each of the following types of transportation to get to work?





Q35 In a typical week, how many days do you use each of the following types of transportation to get to work?

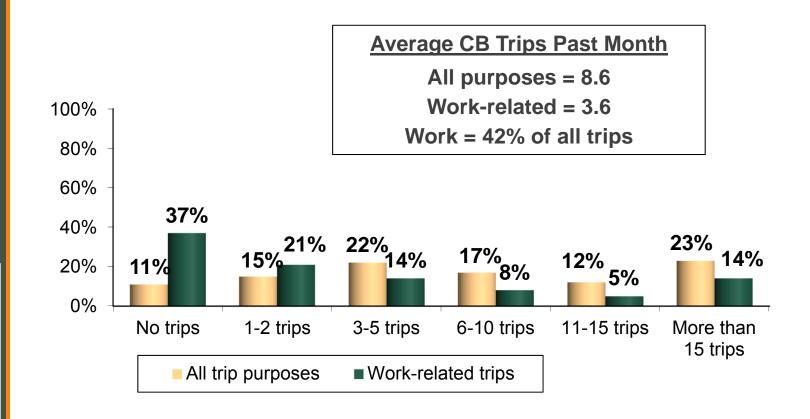
Q37 Before you made this change, how many days in a typical week did you use each of the following types of transportation to get to work?

CB Members Collectively Reduced More than 2.1 Million VMT Annually from Commute Changes – Almost Half of the Total 4.4 VMT Reduced Overall

Average vehicle trips / VMT reduced per "changer"		
Weekly vehicle trips reduced per "changer" = (1.82 trips before – 0.7 trips now)	1.12 vehicle trips	
Average one-way miles per trip	x 4.7 miles	
Miles reduced per year per "changer" 1.12 weekly trips x 4.7 miles x 50 weeks	265 miles	
Employed CB members (22,205 x 95%)	21,095	
Members with commute change (x 38%)	8,016	
Miles reduced per year per "changer"	265 miles	
Total annual commute VMT reduced	2,124,200	



Across all members, work-related trips accounted for about 42% of the total monthly trips



2012 Survey Trips in Past Month

> All trip purposes n = 5.979

Work-related trips n = 2.814

Q39 In the past month, how many times did you use Capital Bikeshare to go to or from work or to travel to a work-related meeting?

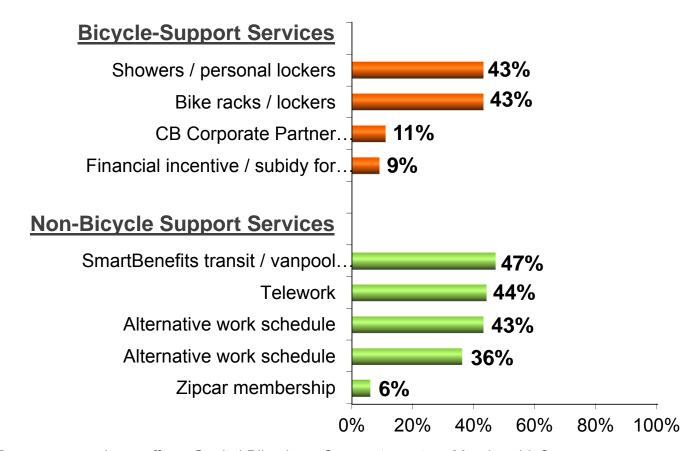


They were twice as likely to have bike services as were commuters region-wide and more likely to have services than the average commuters in their work areas

Bike Services Offered at Work

DC All SOC – 35% CB – 60%

Arlington
All SOC – 37%
CB – 60%



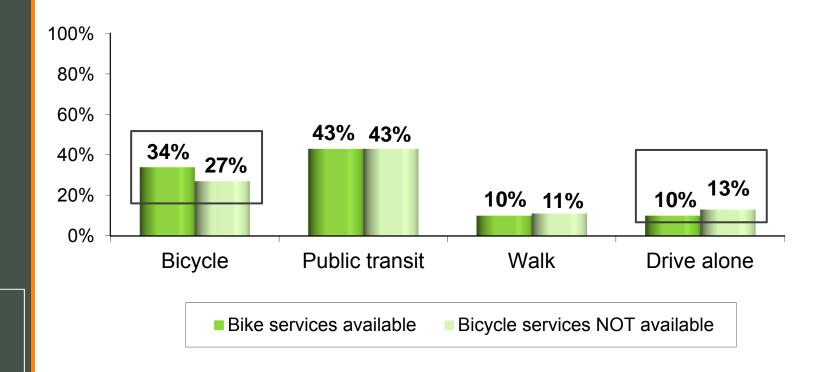
CB Survey n = 2.817

2010 SOC n = 5,482 Q40 Does your employer offer a Capital Bikeshare Corporate partner Membership?

Q41 Does your company currently offer any of the following employee benefits?



CB Members who have Bike Services Use Bike for Commuting More (34%) than do Members without Bike Services (27%)



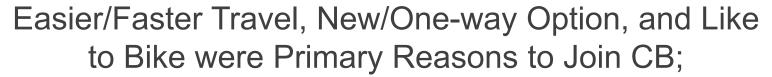
Bicycle services available n = 1,516

Bicycle services not available n = 1,145

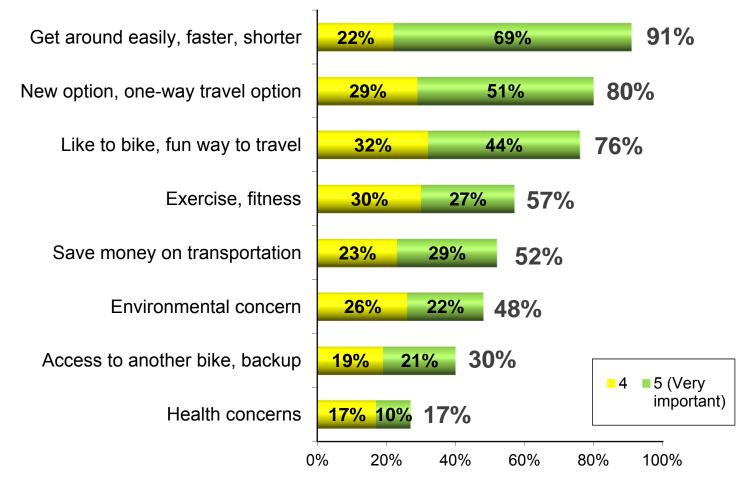
Q41 Does your company currently offer any of the following employee benefits?

Q35 In a typical week, how many days do you use each of the following types of transportation to get to work?

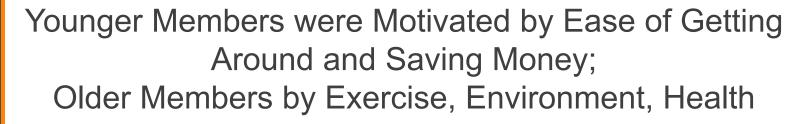


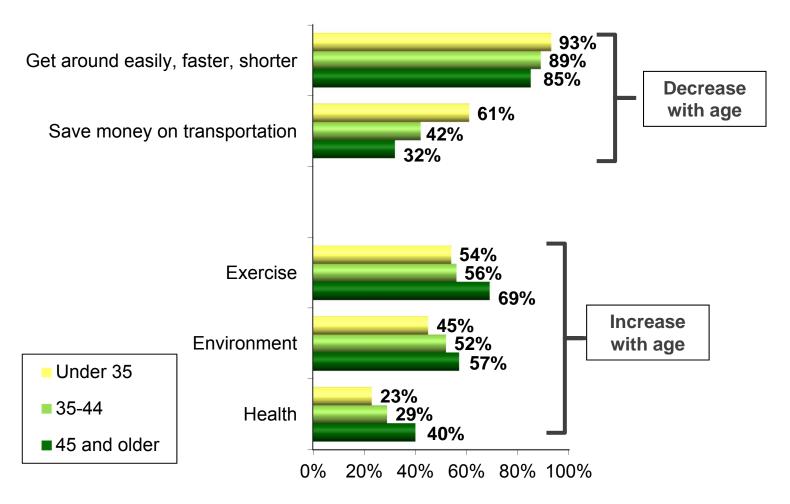


Other reasons – fitness, save money, and help the environment



Q7 What motivated you to join Capital Bikeshare? Rate each reason on 1-5 scale, where 1 means not at all important and 5 means very important.





Q7 What motivated you to join Capital Bikeshare? (Percentages giving 4 or 5 (Very important) rating Q52 What is your age?

Under 35 years n = 3,411

35 - 44n = 1.067

45 and older n = 699

CB Members Collectively Save More than <u>\$17.7</u> Million Annually on Personal Travel Costs

On Average, Members Save \$15.39 per Week = \$800 Per Year

Annual Personal Travel Cost Saving

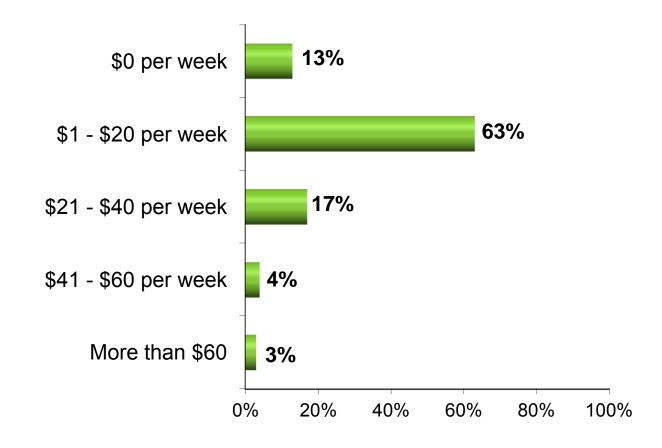
\$800 per year

X

22,205 members

=

\$17.7 million



Q22 On a weekly basis, how much money do you think Capital Bikeshare saves you on your travel compared with what you were spending before you joined?



What Members Like Most About CB – CONVENIENCE!





"Freedom!" "Flexibility" "Convenient" "Spontaneous"

"Eco-friendly" "Fun" "Get exercise" "Faster commute"

"Great for one-way or unexpected trips" "Dock it and forget it"

"Flexibility of one-way drop-off"

"Not having to worry about bike parking and theft"

"Nice to have an option to bike rather than walk or drive"

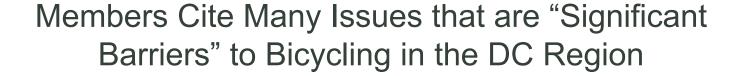
"I use CB when Metro is slow or when I've just missed a bus"

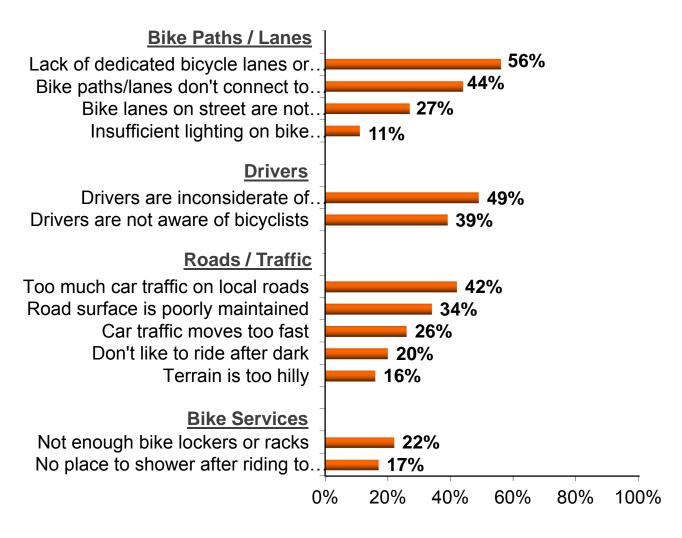
"Love to pick it up and go – not have to maintain the bike"

"Riding makes me happy" "Cruising around feeling the wind in my face!" "It adds an element of fun to errands around town"

"Access to areas not served by buses/Metro"

"Reduces 10-minute walk from Metro to my office to 90 seconds"





2012 Survey n = 3,731

Q47 Which of the following are significant barriers to your bicycling in the Washington metro region?



Top Findings – Motivations / Benefits







CB offers multiple benefits to appeal to a variety of user groups:

- Easier, faster travel; access to a wider range of destinations
- CB flexibility of bikeshare builds greater opportunities for one-way "best for the moment" travel choices
- Part of bikeshare's appeal is that it's a fun way to travel
- CB enables members to reduce the cost and hassle of car ownership and use reduce personal travel costs
- Bikeshare offers exercise and health opportunities

Top Findings – Bikeshare Use

- Bikeshare use is distributed across frequency categories, showing interest for both <u>frequent and occasional</u> use
- 90% of members had used bikeshare trip for a non-work purpose and 58% made a bikeshare trip to/from work
- Overall, most bikeshare trips are for non-work purposes, but 42% of "most recent" trips were to go to / from work
- CB serves an important transit access function over half of members used CB to access transit in the past month





Top Findings – Travel Changes







- **27%** of members increased their <u>bike use</u> since joining
- Bikeshare members have shifted some trips to bicycle from other modes 50% reduced car use, 61%, reduced taxi use, 61% ride Metrorail less often
- **25%** of members reduced driving miles; 5% sold a HH car
- 38% reduced commute vehicle trips bike/transit/walk
- Members reduced <u>4.4 million</u> annual driving miles since joining CB – half during peak commuting periods

Questions?

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