

Date: _____

CITY OF CAMBRIDGE
PTDM Annual Report Summary—2010

PTDM Project Number: F-21

Date of Original Approval: 12/14/01

PROJECT NAME: 250 Massachusetts Ave **IF CHANGED, UPDATE CONTACT INFO BELOW**
Address: 250 Massachusetts Ave _____
Owner/Developer Name: Jones Lang LaSalle _____
Contact Person: Amalea Walker _____
Contact Address: Novartis, _____
250 Mass. Ave, Cambridge, MA 02139 _____
Contact Phone: (617) 871-7013 _____
Contact Email: amalea.walker@am.jll.com _____
Contact Fax: (617) 871-4087 _____

SOV MODE SPLIT:

Plan SOV Mode Split Commitment: 44%

2010: <u>35%</u>	Response Rate: <u>67%</u>	Survey Dates: <u>May 10 – 14, 2010</u>
2009: 34%	Response Rate: 67%	Survey Dates: 6/1-6/5
2008: 33%	Response Rate: 71%	Survey Dates: 6/2-6/6
2007: 32%	Response Rate: 100%	Survey Dates: 5/21-5/25
2006: 32%	Response Rate: 100%	Survey Dates: 5/22-5/26
2005: 36%	Response Rate: 50%	Survey Dates: 5/9-5/13

PROJECT TENANTS/OCCUPANTS: (Please note any changes and fill in missing information.)

Company (Use)	Square Feet	Parking Spaces	Employees
Novartis Institutes for Biomedical Research (R&D/Office at 250 Mass Ave, not Tech Square)	472,418	341	1,729

UNLEASED SPACE:

Square Feet	Parking Spaces
0	0

Date of most recent driveway/parking utilization counts: October 19-23, 2009

PTDM Annual Report: Status of Required TDM Measures—2010

Instructions: Please note current status for each measure required by the approved plan. If status has not changed since 2009, you may note this by indicating "Status Unchanged." If new measures have been undertaken, please note these at the end of the list of measures. **Items in bold require additional information.**

MEASURE	2009 STATUS	UPDATE
1. TMA Membership	Implemented	"Status Unchanged"
2. Provide 44 HOV parking spaces	Implemented at Cross Street garage, on the Mass Ave campus.	"Status Unchanged"
3. Hold an annual transportation fair	Transport Fair held 6/9-10, combined with the 2009 Health Fair.	Transport Fair held 11/3/09 and 11/10/09, combined with the 2009 Benefit Fair. 2010 Transport Fair will be held 8/16/10 and combined with the 2010 Health Fair
4. Quarterly newsletter on transportation options	A quarterly newsletter is included in the Novartis online newsletter.	"Status Unchanged"
5. Transportation options posted on website	Implemented. Employees are given their choice of transportation at orientation. All items discussed are referenced on the Novartis intranet.	"Status Unchanged"
6. Shuttle to Kendall or Central MBTA stations, or contribute to EZ Ride	Implemented. EZ Ride Shuttle contributor.	"Status Unchanged"
7. Sell MBTA passes on site	Implemented. Passes offered through payroll deduction and distributed onsite.	"Status Unchanged"
8. 100% MBTA pass subsidies	Implemented. Up to \$230 federal limit available.	"Status Unchanged"
9. Transportation options information in new employee info packets	Implemented. Info made available at orientation in benefits package.	"Status Unchanged"

PTDM Annual Report: Status of Required TDM Measures—2010

MEASURE	2009 STATUS	UPDATE
10. Rideshare matching	Implemented. Using MassRIDES.	“Status Unchanged”
11. Emergency Ride Home	Implemented. Info and application form made available at orientation and on the intranet.	“Status Unchanged”
12. Secure, covered parking for 44 bicycles	Implemented. 120 covered bike racks at Cross Street garage.	“Status Unchanged”
13. Showers and lockers available to all employees	Implemented.	“Status Unchanged”
14. Designate employee transportation coordinator (Include Name, Company and contact information for each ETC)	Amalea Walker, Jones Lang LaSalle, Americas, Inc. amalea.walker@novartis.com 617-871-7013, Tara Reagan, tara.reagan@novartis.com, 617-871-5047.	“Status Unchanged”
15. Market rates charged for parking, discounts for HOVs (Enumerate fees in report)	All drive-alone employees pay \$218 per month. Two-person carpools pay 50% of total fee, and three+ -person carpools pay \$0.	Drive-alone employees pay either \$220 or \$235 per month. Two-person carpools pay \$59 per month, and three+ -person carpools pay \$0.
16. Encourage tenants to implement flexible work hour policies	Implemented. With access to the facility 24 hours a day, work days are determined with specific groups and group heads.	“Status Unchanged”
17. Provide 2 bus shelters on Massachusetts Ave at existing bus stops	Bus stops were moved to the corner of Mass Ave and Albany Street, and the other shelters were installed by others.	“Status Unchanged”
Voluntary Measures		
18. Park-and-ride reimbursement	Employees who park and ride at transit stations are reimbursed up to \$230/month. Currently 18 vouchers are processed at a monthly cost of \$2,442.	Employees who park and ride at transit stations are reimbursed up to \$230/month. Currently 112 vouchers

PTDM Annual Report: Status of Required TDM Measures—2010

MEASURE	2009 STATUS	UPDATE
		are processed at a monthly cost of \$9,157.30.



Novartis Institute
Parking and Transportation
Demand Management Monitoring Report
Cambridge Massachusetts

Technology Square
Massachusetts Ave.
Cambridge

June 2010

TABLE OF CONTENTS

Background	page 3
Section I. PTDM Plan Parking Summary 2010	page 4
Section II. PTDM Progress Report	page 4
Section III. 2010 PTDM Survey Report	page 6
Survey Results Overview.....	page 7
Summary	page 9

Appendix Attachments

Email Letter

Survey Results

Survey Instrument

Parking Summary

BACKGROUND

Novartis' remains committed to ensuring that its workforce has a variety of alternative commute programs available to choose from, and to maintaining its PTDM Plan SOV Mode Split commitment of 44 percent. Novartis has acquired additional property on its Cambridge Campus and continues to add employees since its approved Plan in December 2001. However, Novartis' SOV rate has consistently remained below the targeted percent. This year's SOV rate for all buildings and employees is 35 percent. The SOV rate for the Massachusetts Ave. campus is also 35 percent unchanged from 2009.

Currently, Novartis employs 1,729 people, approximately a 10 percent (10%) increase since the 2009 survey. The employees are distributed among eight worksites; 100, 200, 300 and 500 Technology Square, as well as 186, 220 and 250 Massachusetts Ave., and 45 Sidney Street. The Massachusetts Ave. campus has 999 employees or 58% of the total population.

The 2010 PTDM Plan Monitoring Report is a progress report on Novartis' current Transportation Demand Management "TDM" programs, its Cambridge parking supply, and the survey results of its commuting employees for both campuses. This report is about how Novartis manages its vehicle trips through the TDM measures and strategies.

In the Monitoring Section of the PTDM Plan, Novartis commits to providing annual updates to the City of Cambridge PTDM Officer. The monitoring commitments and conditions include:

- Conduct annual employee parking and transportation surveys in the month of May or June in accordance with the City of Cambridge PTDM Monitoring and Reporting requirements.
- Provide annual monitoring reports that will include information where employees park and the cost of their permit.
- Conduct driveway and parking utilization counts every two years during the months of May or June and be reported no later than June 30, commencing in 2006.

In addition to monitoring parking and surveying, Novartis offers a variety of TDM measures to its employees. These measures include:

- An onsite Employer Transportation Coordinator (ETC)
- Annual Transportation Fairs
- Transportation options presentation at new employee orientation as well as information in new employee packets
- Promotion of commute options at the worksite through companywide e-mails or intranet site
- Additional services through membership in Charles River TMA
- Onsite transit passes
- An MBTA Pass subsidy and MBTA monthly passes
- HOV parking spaces as well as assigned HOV spaces
- Secure, covered bicycle racks; showers and lockers
- Emergency Ride Home Program through the TMA
- EZ Ride shuttle service for employees and contractors

SECTION I PARKING SUMMARY

Novartis conducted parking and driveway counts at its Cross Street garage October 19-23, 2009 . A summary of the counts was included in the 2008 PTDM Report.

The Cross Street Garage is designated for employees only and accessible by employees that have an official Novartis ID badge. This unique badge number is used to gain access to the garage through a card reader. Parking is not open to the general public and the garage is not operated as a commercial facility. There are 44 HOV spaces in this garage.

Employees who drive alone are charged either \$220 or \$235 per month. Two person carpools pay \$59 per Novartis Employee, and 3+person carpools and vanpools have the parking fee waived by Novartis. There are 178 HOV spaces in the 700 Technology Square garage.

SECTION II PROGRESS REPORT

“Trip Reduction Incentive Program” progress since the 2009 PTDM Plan Annual Status Report includes:

Onsite Commuter Events

Novartis held its Sixth annual Transportation Fair on 11/3/09 and 11/10/09, combined with the 2009 Benefit Fair. 2010 Transport Fair will be held 8/16/10 and combined with the 2010 Health Fair

Onsite Employer Transportation Coordinator (ETC)

Amalea Walker, Jones Lang LaSalle, Americas, Inc.

amalea.walker@am.jll.com (617-871-7013) is the designated onsite ETC.

Rideshare Options

Car/Vanpool matching is provided to Novartis employees through MassRIDES and administered through Facilities and Support Services.

Carpoolers complete a Car-pool Application indicating:

- The name of the applicant
- The names of the other carpoolers
- The cars being provided access to the lot
- The affiliation of other carpoolers (Novartis or other)

A separate single carpool access card is issued for the applicable garage. Any previous access on the employee identification card, Technology Square, or 1 Cross Street access card is deactivated.

Carpoolers are provided a carpool sign to be displayed in the front window of the vehicle when using the carpool spaces at the Cross Street Garage and the Technology Square Garage.

Novartis also offers financial incentives for carpooling and vanpooling.

For 2 person carpools Novartis subsidized 50% off monthly parking fee.

For 3+ person carpools and vanpools Novartis waives the monthly parking fee.

According to the May 2010 survey 9.5 percent of Novartis' employees carpool to work. Novartis also has five employees regularly riding in vanpools through MassRides.

Bicycle/WalkOptions

Technology Square provides bicycle racks throughout the park that can accommodate 150 bikes for the use of park tenants. The Cross Street Garage has covered bicycle racks that can accommodate 120 bikes available for use by cyclists. Showers are provided at both the 100 Technology Square and at 250 Massachusetts Avenue locations.

According to the May 2010 survey, 4.6 percent of Novartis' employees bicycle to work. An additional 6 percent of Novartis' employees walk to work. The walk percentage reflects the fact that according to the survey results, 10 percent of all responding employees live in Cambridge.

Onsite Transit Passes

Novartis provides for employees to receive monthly MBTA passes through its HR Benefits Open Enrollment policy. Monthly MBTA Passes are distributed by mail to the employee's home.

Novartis conveniently posts a link to the MBTA's transportation schedules and routes on its internal website:

http://www.portal.nibr.novartis.intra/hr/benefits/financialprotection/commuter_benefit.phtml.

The screenshot shows a web browser window displaying the "NIBRI FlexDirect Commuter Benefits Program" page. The page header includes the Novartis logo and navigation links. The main content area features a title "NIBRI FlexDirect Commuter Benefits Program" and a description: "This commuter benefit tool allows associates to enroll, change, and view transportation electives on-line." Below the text is an illustration of a red car, a white van, and a brown vanpool. To the right of the illustration, a text box states: "NIBRI subsidizes up to \$100 per month for employee's transportation costs. The subsidy will be added to your paycheck through a pre-tax earnings after you enroll through FlexDirect. Please note: The subsidy will not appear on the FlexDirect Site, this site is utilized as a pre-tax benefit tool." Below this, there are links for "FlexDirect Site" and "New Hire Information and Checklist". A note asks users to review the "NIBRI Commuter Benefits Policy". A section titled "Do you have questions or need assistance?" provides a list of actions: "Refer the Commuter FAQs below", "View the FlexDirect Commuter Handbook - a step by step guide on how to sign up for parking/transit accounts.", and "Call the ADP Solution Center Number is 1-800-654-6695 or email fsa_webcare@adp.com". A "Helpful Sites" sidebar on the right lists links for "FlexDirect Site", "MBTA", "Ezride", "Guaranteed Ride Home", and "RMV". The browser's address bar shows the URL: "http://nibr.novartis.intra/hr/CA/transportation.jsp".

Discount for Transit

Novartis will cover the cost of the employee's T Pass up to \$230/month with the difference covered by the employee through payroll deduction. *Currently there are 912 monthly pass holders approximately 33% increase since 2009.*

Park and Ride Reimbursement:

Employees that park at a commuter train station or a T stop to take public transit to work can be reimbursed up to the \$100/month limit by submitting a form and receipts to Concur, the account manager. *Currently there are approximately 112 vouchers processed a month with a monthly cost of approximately \$9,157.30.*

Preferential or Discounted Parking for Carpoolers

178 additional designated HOV spaces are posted and located at 800 Tech Sq. 44 HOV Parking spots have been designated at the Cross St Garage, located on the Mass. Ave Campus.

Emergency Ride Home Program

The Emergency Ride Home Program is provided by the Charles River TMA (Novartis is a TMA member). Novartis conveniently posts a link to the ERH program on its web page.

Shuttle Service for Employees

Novartis provides free shuttle service from North Station to Technology Square using the EZ Ride Shuttle. Novartis conveniently posts a link to the EZ Ride Shuttle schedules and routes on its web page. Currently the shuttle provides 233,750 trips per year, on an average of 95 daily shuttle trips.

Novartis also employs the services of Planet Tran, which provides a midday shuttle between the Technology Square campus and the Mass Ave. campus for all employees and visitors between 10Am and 3PM. This service was previously provided by EZ Ride.

Flex Time

Employee IDs act as access cards to the facility and with the nature of scientific research, allow associates 24 hour access year around.

Office of Workforce Development

Novartis has hired 197 employees that list Cambridge as their home address. Novartis has not actively worked with the Office of Workforce Development on recruiting activities. However it is exploring ways work more closely in the future.

SECTION III SUPPORTING DOCUMENTATION FOR NOVARTIS 2010 PTDM TRANSPORTATION SURVEY

Novartis distributed the survey electronically to all employees through a letter with a link to the survey. The survey instrument is based on the City of Cambridge's Sample Survey. The survey instrument is located in the Appendix. Also, Novartis files a Massachusetts Rideshare Program Department of Environmental Protection (DEP) report. Therefore the survey process follows the instructions and guidance offered by DEP Massachusetts Rideshare Program Packet for Facilities with more than 1000

commuting employees. Novartis used the DEP’s Census Survey Method as outlined in the 2009 DEP Guidelines.

As of March 2010, Novartis had approximately 1,729 employees distributed among eight Cambridge locations; 500, 300, 200 and 100 Technology Square; and 250, 220, 186 Massachusetts Avenue, and 45 Sidney Street. This represents an increase of 176 employees since the 2009 PTDM Progress Report.

Survey Process, Distribution and Collection

Novartis conducted an electronic transportation survey during the week of May 10 to 14, 2010. The survey collected the necessary data for the 2010 PTDM Monitoring report from 1,163 employees or at 67 percent return rate.

The Novartis Human Resources Department generated the master electronic email list of employees for the broadcast email. The Communications Department sent the email to all employees that included a letter requesting participation from Ms. Nora Dyer, Chief Operating Officer. Novartis also offered entry into a daily raffle to those employees who answered the survey. Two employees were selected for prizes each day. Reminder emails were sent to employees by department throughout the survey week.

Novartis’ survey instrument included additional explanation boxes on some of the questions for employees to comment on their commute. The results are in the survey section of this report. Also, there were questions about choosing an incentive that might encourage them to try another commute alternative instead of driving alone. The survey provided both quantitative data for a PTDM progress report and qualitative data for Novartis to use as supportive information for implementing additional transportation demand measures.

SECTION IV SURVEY RESULTS OVERVIEW

The Novartis 2010 Transportation Survey was a census survey that resulted in a 67 percent return rate or 1,163 individual responses.

The Novartis survey results chart below are for all Novartis employees and indicates that slightly more than a third of the surveyed employees drive alone to work. Employees who rideshare to work remained the same as 2009; transit, bicycle and Motorcycle/Scooter decreased slightly; and flextime/CWW/telecommute increased slightly.

Novartis Combined Campus Mode 2010*	Total Percent 2010
Drive Alone	35 %
Transit**	42 %
Rideshare	10 %
Bike	4.6%
Walk	6.3 %
Motorcycle/scooter	.4%
Flextime/CWW/ Telecommute	1.3%

* Adjusted: “out removed” **Includes bus, subway, and commuter rail.

Mode Split for Novartis Institutes Massachusetts Ave.

The table below shows the SOV rate for the Novartis Mass. Ave. campus. Compared to 2009, slightly more than a third of the surveyed employees drive alone to work, employees that rideshare increased 1.7 %; bicycle and walk remained the same, transit, motorcycle/scooter decreased slightly; and flextime/CWW/telecommute increased slightly.

Novartis Mass Ave. Mode 2010*	Total Percent 2010
Drive Alone	35
Transit**	41
Rideshare	11.7
Bike	5
Walk	6
Motorcycle/scooter	.15
Flextime/CWW/Telecommute	1

*Adjusted: "out removed"

**Includes bus, subway, and commuter rail.

Commute Satisfaction

Forty Nine percent (49%) of the respondents were "very satisfied or "satisfied" with their commute, a slight increase of 1% since 2009, while 23 percent (23%) were "somewhat dissatisfied" or "dissatisfied", remained the same as last year. Twenty Seven (27%) percent were somewhat satisfied, slightly less than last year. Overall, this year's respondents moved slightly away from the middle to each end of the spectrum.

Top 3 Commute Concerns

When employees who drive alone were asked "what concerns you most about your commute", this year two percent (2%) more employees or 28 percent (28%) were concerned with their "overall commute time to work", and one percent fewer or 21 percent (21%) were concerned with "congestion on streets and highways". Both concerns were ranked the top 2 in the 2008 and 2009 surveys. Interestingly, although "cost of the commute" ranked third for two years in a row, it was replaced this year with "frustration with commuting" at 14 percent (14%). Also, 6 percent of employees indicated they had "no concerns at the moment", a 1 percent decrease from 2009.

Top 3 Reasons Why Employees Drive Alone

The most important reason employees drive alone remains: "irregular hours" at 18.6 percent (18.6%) almost 2 ½% less than last year. The second reason remains: "public transit is not convenient" at 17 percent (17%), 2% less than last year, and the third reason remains: "driving takes less time" at 15.5 percent (15.5%). For the third year in a row there has been no change in ranking order; however there was a slight decrease overall in intensity of rank.

Choice for a Commute Option Instead of Driving Alone

The most likely choice for changing a commute mode is "Better public transportation service to/from my community" at 18 percent, and the mode of choice is "Transit" at 19.5 percent. Public Transit remains the alternative choice.

Summary of Towns

According to the May 2010 survey results, 56 percent of Novartis' employees live in communities that are located with 1 - 20 miles of Novartis' sites in Cambridge. This represents a moderate increase of 3 percent, and a slight move further away from the city and including towns like Winchester and Waltham.

Top Ten Towns		
Town	Number	Percent
Boston	161	13.84%
Cambridge	119	10.23%
Somerville	88	7.57%
Arlington	56	4.82%
Newton	44	3.78%
Brookline	39	3.35%
Belmont	38	3.27%
Winchester	31	2.67%
Quincy	29	2.49%
Waltham	26	2.24%
Watertown	23	1.98%
		56.23%

Boston (all neighborhoods), Cambridge, Somerville, Arlington and Newton remain in the same rank order as the 2009 survey. Approximately forty four (44) percent, of Novartis employees are widely distributed among the rest of the towns in Massachusetts including five other states (NH, RI, CN, NY and NJ).

Summary

For the fifth consecutive year, the top two incentives that would very likely influence a change in commute behavior were:

- 1) Better public transportation to/from my community, and
- 2) More frequent buses or subway trains.

Bus route results and comments are located in the Appendix.

To be more effective in negotiating with the MBTA for better bus service, perhaps Novartis, in cooperation with other Cambridge employers who are required to have a PTDM plan and the City of Cambridge, could approach the MBTA together.

Novartis offers a variety of TDM measures that encourage employees to commute to work using alternative forms of transportation rather than driving alone. Based on the results of the survey Novartis believes the current programs and incentives it offers will continue to maintain its single occupant vehicle (SOV) commitment of 44 percent and continue its growth.

Parking Occupancy Count

Available Parking Spots	Garage Address
345	1 Cross Street Garage
333	800 Technology Sq Garage
52	30 Pilgrim Street Garage

**Novartis Institute PTDM Transportation Survey 2010
MASS AVE**

1 What town/city do you currently live in? TOTAL = 691 2 What is your zipcode?

Please mark only one selection in questions 3. Through 16.

3 What is your primary work location?

100 Tech Sq	200 Tech Sq	300 Tech Sq	500 Tech Sq	186 Mass Ave	220 Mass Ave	250 Mass Ave	45 Sidney
0	0	0	0	16	151	524	0

4 What time do you usually arrive in the morning?

Before 6 AM	6-7AM	7-7:30AM	7:30-8AM	8-8:30AM	8:30-9AM	9-10:00AM	After 10 AM
6	58	76	126	160	192	70	3

5 What time do you usually leave in the afternoon?

Before 4PM	4-4:30PM	4:30-5PM	5-5:30PM	5:30-6PM	6-7PM	7-8 PM	After 8PM
25	65	107	167	145	146	31	5

6 How often do you vary your hours more than 30 minutes from these times?

Never	1-2 days/mo.	1-2 days/wk	3 days/wk
66	244	295	86

7 How many hours are you scheduled for work each week?

Less than 17	17-25	26-30	31-35	36-40	40+
0	1	0	11	484	195

8 How long does it take you to travel to work on a typical day? (minutes one way)

1 to 5	6 to 10	11 to 30	31 to 45	46 to 60	61+
4	16	187	194	153	137

9 How many miles (approximately) do you travel from home to work on a typical day? (miles one way)

1 to 5	6 to 10	11 to 20	21 to 40	41 to 60	61 to 100+
221	171	128	125	34	12

10 How satisfied are you with your commute?

Very Satisfied	Satisfied	Somewhat Satisfied	Somewhat Dissatisfied	Dissatisfied	Explain:
118	221	187	94	71	

11 Please indicate how you commuted to work each day LAST WEEK, May 10 - 14, 2010 (primary mode only).

If you use more than one mode, please select the mode taken for the longest distance in your commute to work.

	Mon	Tues	Wed	Thurs	Fri
a] Took public transportation the entire way	210	195	193	196	198
b] Shared a ride then took public transportation	16	16	18	16	16
c] Drove alone then took public transportation	52	60	53	48	49
d] Drove alone the entire way	234	220	229	233	225
e] Rode in a 2 person carpool	58	62	58	63	59
f] Rode in a 3 to 6 person carpool	10	8	8	8	9
g] Rode in a 7 or more person vanpool	4	4	3	4	3
h] Dropped off at work, taxi, limo etc.	2	1	2	5	5
i] Bicycled	36	35	33	35	22
j] Walked	35	49	39	34	40
k] Motorcycled, scootered	1	1	0	2	1
l] Flextime, Compressed Work Week/scheduled day off	0	1	0	1	0
m] Telecommuted (worked at home)	4	3	10	5	13
n] Not at work (sick, vacation, jury duty, bus. trip)	29	36	45	41	51

12 Why have you chosen your commute method?

Convenience	Cost	Takes Less Time	No Other Option	Other	Please Describe
348	105	118	66	54	

13 How often do you use your OWN vehicle during work hours or work purposes, PER MONTH (not including your commute)?

None	1 to 4	5 or more
206	40	445

14 If you drive alone or carpool where is the vehicle usually parked?

800 Tech Sq.	1 Cross Street	On-Street	On-Street Meters	Private Parking	University Garage	Not Applicable
9	254	10	29	29	35	325

14a If you drive only part of the way, where is the vehicle usually parked?

Train Station	Pk 'n Ride Lot	Pkg Lot/Garage Off Site	On-Street	Not Applicable
71	15	11	11	583

15 If you took public transit for all or part of your commute, which route(s) did you use?

Bus Routes	List #s:	Red Line	Green Line	Orange Line	Blue Line	CR to Porter Sq.	CR to No. Station	CR to So. Station	NVS Shuttle	Not Applicable
154		260	41	29	5	22	30	40	12	319

15a If you drive only part of the way, what is your final travel mode?

Public transit	Walk	Not Applicable
75	61	555

16 Do you drive alone to work?

Yes: 5 days/wk	1-4 days/wk	No
247	62	382

Novartis Institute PTDM Transportation Survey 2010
MASS AVE

Please answer questions 17 - 20 only if you drive alone to work some or all of the time.

17 What are your reasons for driving alone to work? (select all that apply)

- a) Enjoy my privacy, prefer to drive alone 60
- b) Hours are irregular 130
- c) Need car for business 10
- d) Need car for errands before or after work 99
- e) Do not have any other option 49
- f) Need car in case of emergencies 57
- g) Difficulty finding others to carpool with 26
- h) Driving alone takes less time 101
- i) Take children to school or daycare 87
- j) Other modes not safe 6
- k) Other modes cost too much 11
- l) Transit schedules or routes don't work for me 92
- m) Public transit is not convenient 117
- n) Other 21

Please explain:

18 What concerns you most about your commute? (select all that apply)

- a) Overall travel time from home to work 185
- b) Cost of commute 77
- c) Finding a convenient parking space 32
- d) Congestion on streets and highways 145
- e) Frustration of commuting 106
- f) Bad weather 59
- g) No concerns at present 46
- h) Other 7

Please explain:

19 How likely would you be to change to public transit, ridesharing, or other commuting alternatives if the following incentives or services were available? (select one answer for each option)

Public Transit/Commuter Rail

	Very likely	Somewhat likely	Not likely
a) Guaranteed Ride Home program in case of emergencies	46	75	176
b) On-site information on public transit routes & schedules	20	49	224
c) Shuttle to train station/bus station	39	76	178
d) Flexible hours to accommodate public transit schedule	48	68	176
e) Additional discount on transit pass	64	58	169
f) More reliable bus service	45	61	179
g) More frequent buses or subway trains	63	81	142
h) Better public transportation service to/from my community	126	77	91
i) Zip car made available	17	54	214

Carpool/Vanpool

	Very likely	Somewhat likely	Not likely
j) Help finding someone with whom to carpool/vanpool	21	72	200
k) Guaranteed Ride Home program in case of emergencies	26	73	193
l) Additional preferential or reserved parking for employees who rideshare	22	58	214
m) Additional subsidies for commuters who rideshare	38	72	182
n) Cars made available for business use during the day	17	44	231
o) Vans made available for ridesharing	23	49	217

Bicycle/Walk

	Very likely	Somewhat likely	Not likely
p) Additional Bicycle storage	14	30	251
q) Additional Showers and Lockers	40	31	229

20 Please rank the commute options you would consider using instead of driving alone from 1 to 5 (1 = the highest and 5 = lowest).

	1st Choice	2nd Choice	3rd Choice	4th Choice	5th Choice	Would not consider
Carpool	86	61	37	23	6	87
Bike	28	26	16	22	15	193
Walk	10	17	17	11	10	231
Transit	132	60	46	7	6	49
Vanpool	11	64	67	26	19	113

**Novartis Institute PTDM Transportation Survey 2010
MASS AVE**

1 What town/city do you currently live in?

691 = 100%

2 What is your zipcode?

Please mark only one selection in questions 3. Through 16.

3 What is your primary work location?

100 Tech Sq	200 Tech Sq	300 Tech Sq	500 Tech Sq	186 Mass Ave	220 Mass Ave	250 Mass Ave	45 Sidney
0	0	0	0	2.32	21.85	75.83	0

4 What time do you usually arrive in the morning?

Before 6 AM	6-7AM	7-7:30AM	7:30-8AM	8-8:30AM	8:30-9AM	9-10:00AM	After 10 AM
0.87	8.39	11	18.23	23.15	27.79	10.13	0.43

5 What time do you usually leave in the afternoon?

Before 4PM	4-4:30PM	4:30-5PM	5-5:30PM	5:30-6PM	6-7PM	7-8 PM	After 8PM
3.62	9.41	15.48	24.17	20.98	21.13	4.49	0.72

6 How often do you vary your hours more than 30 minutes from these times?

Never	1-2 days/mo.	1-2 days/wk	3 days/wk
9.55	35.31	42.69	12.45

7 How many hours are you scheduled for work each week?

Less than 17	17-25	26-30	31-35	36-40	40+
0	0.14	0	1.59	70.04	28.22

8 How long does it take you to travel to work on a typical day? (minutes one way)

1 to 5	6 to 10	11 to 30	31 to 45	46 to 60	61+
0.58	2.32	27.06	28.08	22.14	19.83

9 How many miles (approximately) do you travel from home to work on a typical day? (miles one way)

1 to 5	6 to 10	11 to 20	21 to 40	41 to 60	61 to 100+
31.98	24.75	18.52	18.09	4.92	1.74

10 How satisfied are you with your commute?

Very Satisfied	Satisfied	Somewhat Satisfied	Somewhat Dissatisfied	Dissatisfied
17.08	31.98	27.06	13.6	10.27

Explain:

11 Please indicate how you commuted to work each day LAST WEEK, May 10 - 14, 2010 (primary mode only).

If you use more than one mode, please select the mode taken for the longest distance in your commute to work.

	Mon	Tues	Wed	Thurs	Fri
a] Took public transportation the entire way	30.39	28.22	27.93	28.36	28.65
b] Shared a ride then took public transportation	2.32	2.32	2.6	2.32	2.32
c] Drove alone then took public transportation	7.53	8.68	7.67	6.95	7.09
d] Drove alone the entire way	33.86	31.84	33.14	33.72	32.56
e] Rode in a 2 person carpool	8.39	8.97	8.39	9.12	8.54
f] Rode in a 3 to 6 person carpool	1.45	1.16	1.16	1.16	1.3
g] Rode in a 7 or more person vanpool	0.58	0.58	0.43	0.58	0.43
h] Dropped off at work, taxi, limo etc.	0.29	0.14	0.29	0.72	0.72
i] Bicycled	5.21	5.07	4.78	5.07	3.18
j] Walked	5.07	7.09	5.64	4.92	5.79
k] Motorcycled, scootered	0.14	0.14	0	0.29	0.14
l] Flextime, Compressed Work Week/scheduled day off	0	0.14	0	0.14	0
m] Telecommuted (worked at home)	0.58	0.43	1.45	0.72	1.88
n] Not at work (sick, vacation, jury duty, bus. trip)	4.2	5.21	6.51	5.93	7.38

12 Why have you chosen your commute method?

Convenience	Cost	Takes Less Time	No Other Option	Other	Please Describe
50.36	15.2	17.08	9.55	7.81	<input type="text"/>

13 How often do you use your OWN vehicle during work hours or work purposes, PER MONTH (not including your commute)?

None	1 to 4	5 or more
29.81	5.79	64.4

14 If you drive alone or carpool where is the vehicle usually parked?

800 Tech Sq.	1 Cross Street	On-Street	On-Street Meters	Private Parking	University Garage	Not Applicable
1.3	36.76	1.45	4.2	4.2	5.07	47.03

14a If you drive only part of the way, where is the vehicle usually parked?

Train Station	Pk 'n Ride Lot	Pkg Lot/Garage Off Site	On-Street	Not Applicable
10.27	2.17	1.59	1.59	84.37

15 If you took public transit for all or part of your commute, which route(s) did you use?

Bus Routes	List #s:	Red Line	Green Line	Orange Line	Blue Line	CR to Porter Sq.	CR to No. Station	CR to So. Station	NVS Shuttle	Not Applicable
22.29	<input type="text"/>	37.63	5.93	4.2	0.72	3.18	4.34	5.79	1.74	46.16

15a If you drive only part of the way, what is your final travel mode?

Public transit	Walk	Not Applicable
10.85	8.83	80.32

16 Do you drive alone to work?

Yes: 5 days/wk	1-4 days/wk	No
35.75	8.97	55.28

Novartis Institute PTDM Transportation Survey 2010
MASS AVE

Novartis Institute PTDM Transportation Survey 2010
MASS AVE

Please answer questions 17 - 20 only if you drive alone to work some or all of the time.

17 What are your reasons for driving alone to work? (select all that apply)

- a) Enjoy my privacy, prefer to drive alone **8.68**
- b) Hours are irregular **18.81**
- c) Need car for business **1.45**
- d) Need car for errands before or after work **14.33**
- e) Do not have any other option **7.09**
- f) Need car in case of emergencies **8.25**
- g) Difficulty finding others to carpool with **3.76**
- h) Driving alone takes less time **14.62**
- i) Take children to school or daycare **12.59**
- j) Other modes not safe **0.87**
- k) Other modes cost too much **1.59**
- l) Transit schedules or routes don't work for me **13.31**
- m) Public transit is not convenient **16.93**
- n) Other **3.04**

Please explain:

18 What concerns you most about your commute? (select all that apply)

- a) Overall travel time from home to work **26.77**
- b) Cost of commute **11.14**
- c) Finding a convenient parking space **4.63**
- d) Congestion on streets and highways **20.98**
- e) Frustration of commuting **15.34**
- f) Bad weather **8.54**
- g) No concerns at present **6.66**
- h) Other **1.01**

Please explain:

19 How likely would you be to change to public transit, ridesharing, or other commuting alternatives if the following incentives or services were available? (select one answer for each option)

Public Transit/Commuter Rail

	Very likely	Somewhat likely	Not likely
a) Guaranteed Ride Home program in case of emergencies	6.66	10.85	25.47
b) On-site information on public transit routes & schedules	2.89	7.09	32.42
c) Shuttle to train station/bus station	5.64	11	25.76
d) Flexible hours to accommodate public transit schedule	6.95	9.84	25.47
e) Additional discount on transit pass	9.26	8.39	24.46
f) More reliable bus service	6.51	8.83	25.9
g) More frequent buses or subway trains	9.12	11.72	20.55
h) Better public transportation service to/from my community	18.23	11.14	13.17
i) Zip car made available	2.46	7.81	30.97

Carpool/Vanpool

	Very likely	Somewhat likely	Not likely
j) Help finding someone with whom to carpool/vanpool	3.04	10.42	28.94
k) Guaranteed Ride Home program in case of emergencies	3.76	10.56	27.93
l) Additional preferential or reserved parking for employees who rideshare	3.18	8.39	30.97
m) Additional subsidies for commuters who rideshare	5.5	10.42	26.34
n) Cars made available for business use during the day	2.46	6.37	33.43
o) Vans made available for ridesharing	3.33	7.09	31.4

Bicycle/Walk

	Very likely	Somewhat likely	Not likely
p) Additional Bicycle storage	2.03	4.34	36.32
q) Additional Showers and Lockers	5.79	4.49	33.14

20 Please rank the commute options you would consider using instead of driving alone from 1 to 5 (1 = the highest and 5 = lowest).

	1st Choice	2nd Choice	3rd Choice	4th Choice	5th Choice	Would not consider
Carpool	12.45	8.83	5.35	3.33	0.87	12.59
Bike	4.05	3.76	2.32	3.18	2.17	27.93
Walk	1.45	2.46	2.46	1.59	1.45	33.43
Transit	19.1	8.68	6.66	1.01	0.87	7.09
Vanpool	1.59	9.26	9.7	3.76	2.75	16.35

Novartis 2010 PTDM Mass Ave. Employee M Census Survey 691

						Total	Avg	All Mode	Out
	Mon	Tues	Wed	Thurs	Fri	Trips	Trips	% Trips	Removed
Took public transportation the entire way	210	195	193	196	198	992	198	28.71%	30.5%
Shared a ride then took public trans.	16	16	18	16	16	82	16.4	2.37%	2.5%
Drove alone then took public transportation	52	60	53	48	49	262	52.4	7.58%	8.0%
Drove alone the entire way	234	220	229	233	225	1141	228	33.02%	35.1%
Rode in a 2 person carpool	58	62	58	63	59	300	60	8.68%	9.2%
Rode in a 3 to 6 person carpool	10	8	8	8	9	43	8.6	1.24%	1.3%
Rode in a 7 or more person vanpool	4	4	3	4	3	18	3.6	0.52%	0.6%
Dropped off at work, taxi, limo, etc.	2	1	2	5	5	15	3	0.43%	0.5%
Bicycled	36	35	33	35	22	161	32.2	4.66%	4.9%
Walked	35	49	39	34	40	197	39.4	5.70%	6.1%
Motorcycle, scooter	1	1	0	2	1	5	1	0.14%	0.2%
Flextime, Compressed Work Week/scheduled	0	1	0	1	0	2	0.4	0.06%	0.1%
Telecommuted (worked at home)	4	3	10	5	13	35	7	1.01%	1.1%
Not at work (sick, vacation, jury duty, bus. trip)	29	36	45	41	51	<u>202</u>	<u>40.4</u>	<u>0.0585</u>	99.9%
	691	691	691	691	691	3455	691	100.00%	

**Novartis Institute PTDM Transportation Survey 2010
Tech Square**

1 What town/city do you currently live in? TOTAL = 446 2 What is your zipcode?

Please mark only one selection in questions 3. Through 16.

3 What is your primary work location?

100 Tech Sq	200 Tech Sq	300 Tech Sq	500 Tech Sq	186 Mass Ave	220 Mass Ave	250 Mass Ave	45 Sidney
218	94	26	108	0	0	0	0

4 What time do you usually arrive in the morning?

Before 6 AM	6-7AM	7-7:30AM	7:30-8AM	8-8:30AM	8:30-9AM	9-10:00AM	After 10 AM
8	46	51	74	113	101	51	2

5 What time do you usually leave in the afternoon?

Before 4PM	4-4:30PM	4:30-5PM	5-5:30PM	5:30-6PM	6-7PM	7-8 PM	After 8PM
21	60	53	99	107	83	20	3

6 How often do you vary your hours more than 30 minutes from these times?

Never	1-2 days/mo.	1-2 days/wk	3 days/wk
31	159	199	57

7 How many hours are you scheduled for work each week?

Less than 17	17-25	26-30	31-35	36-40	40+
1	0	0	7	313	125

8 How long does it take you to travel to work on a typical day? (minutes one way)

1 to 5	6 to 10	11 to 30	31 to 45	46 to 60	61+
1	13	124	124	91	93

9 How many miles (approximately) do you travel from home to work on a typical day? (miles one way)

1 to 5	6 to 10	11 to 20	21 to 40	41 to 60	61 to 100+
137	107	93	83	20	6

10 How satisfied are you with your commute?

Very Satisfied	Satisfied	Somewhat Satisfied	Somewhat Dissatisfied	Dissatisfied
74	143	126	59	44

Explain:

11 Please indicate how you commuted to work each day LAST WEEK, May 10 - 14, 2010 (primary mode only).

If you use more than one mode, please select the mode taken for the longest distance in your commute to work.

	Mon	Tues	Wed	Thurs	Fri
a] Took public transportation the entire way	140	141	144	136	132
b] Shared a ride then took public transportation	10	11	11	7	9
c] Drove alone then took public transportation	37	41	41	42	38
d] Drove alone the entire way	158	146	148	154	148
e] Rode in a 2 person carpool	30	35	34	36	40
f] Rode in a 3 to 6 person carpool	2	2	2	2	1
g] Rode in a 7 or more person vanpool	1	1	1	1	1
h] Dropped off at work, taxi, limo etc.	0	1	1	0	2
i] Bicycled	19	22	18	19	17
j] Walked	31	29	29	27	23
k] Motorcycled, scootered	3	3	3	4	4
l] Flextime, Compressed Work Week/scheduled day off	1	1	0	0	1
m] Telecommuted (worked at home)	3	3	4	4	11
n] Not at work (sick, vacation, jury duty, bus. trip)	11	10	10	14	19

12 Why have you chosen your commute method?

Convenience	Cost	Takes Less Time	No Other Option	Other	Please Describe
247	64	81	18	36	

13 How often do you use your OWN vehicle during work hours or work purposes, PER MONTH (not including your commute)?

None	1 to 4	5 or more
136	32	278

14 If you drive alone or carpool where is the vehicle usually parked?

800 Tech Sq.	1 Cross Street	On-Street	On-Street Meters	Private Parking	University Garage	Not Applicable
192	7	5	8	14	7	213

14a If you drive only part of the way, where is the vehicle usually parked?

Train Station	Pk 'n Ride Lot	Pkg Lot/Garage Off Site	On-Street	Not Applicable
57	9	9	8	363

15 If you took public transit for all or part of your commute, which route(s) did you use?

Bus Routes	List #s:	Red Line	Green Line	Orange Line	Blue Line	CR to Porter Sq.	CR to No. Station	CR to So. Station	NVS Shuttle	Not Applicable
78		193	29	21	1	14	26	39	4	181

15a If you drive only part of the way, what is your final travel mode?

Public transit	Walk	Not Applicable
65	32	349

16 Do you drive alone to work?

Yes: 5 days/wk	1-4 days/wk	No
157	44	245

Novartis Institute PTDM Transportation Survey 2010
Tech Square

Please answer questions 17 - 20 only if you drive alone to work some or all of the time.

17 What are your reasons for driving alone to work? (select all that apply)

- a) Enjoy my privacy, prefer to drive alone 44
- b) Hours are irregular 82
- c) Need car for business 2
- d) Need car for errands before or after work 67
- e) Do not have any other option 24
- f) Need car in case of emergencies 40
- g) Difficulty finding others to carpool with 17
- h) Driving alone takes less time 76
- i) Take children to school or daycare 54
- j) Other modes not safe 2
- k) Other modes cost too much 4
- l) Transit schedules or routes don't work for me 58
- m) Public transit is not convenient 77
- n) Other 16

Please explain:

18 What concerns you most about your commute? (select all that apply)

- a) Overall travel time from home to work 125
- b) Cost of commute 58
- c) Finding a convenient parking space 6
- d) Congestion on streets and highways 96
- e) Frustration of commuting 55
- f) Bad weather 33
- g) No concerns at present 25
- h) Other 9

Please explain:

19 How likely would you be to change to public transit, ridesharing, or other commuting alternatives if the following incentives or services were available? (select one answer for each option)

Public Transit/Commuter Rail

	Very likely	Somewhat likely	Not likely
a) Guaranteed Ride Home program in case of emergencies	25	60	110
b) On-site information on public transit routes & schedules	15	32	143
c) Shuttle to train station/bus station	20	54	116
d) Flexible hours to accommodate public transit schedule	32	50	107
e) Additional discount on transit pass	45	54	91
f) More reliable bus service	39	41	109
g) More frequent buses or subway trains	56	58	78
h) Better public transportation service to/from my community	80	59	53
i) Zip car made available	11	29	143

Carpool/Vanpool

	Very likely	Somewhat likely	Not likely
j) Help finding someone with whom to carpool/vanpool	12	46	138
k) Guaranteed Ride Home program in case of emergencies	15	55	123
l) Additional preferential or reserved parking for employees who rideshare	11	35	149
m) Additional subsidies for commuters who rideshare	25	55	115
n) Cars made available for business use during the day	5	33	154
o) Vans made available for ridesharing	8	40	144

Bicycle/Walk

	Very likely	Somewhat likely	Not likely
p) Additional Bicycle storage	15	12	167
q) Additional Showers and Lockers	19	18	159

20 Please rank the commute options you would consider using instead of driving alone from 1 to 5 (1 = the highest and 5 = lowest).

	1st Choice	2nd Choice	3rd Choice	4th Choice	5th Choice	Would not consider
Carpool	44	50	31	9	7	55
Bike	21	18	8	10	8	134
Walk	2	8	10	5	7	162
Transit	89	41	24	4	9	32
Vanpool	8	37	42	15	10	85

**Novartis Institute PTDM Transportation Survey
Tech Square**

1 What town/city do you currently live in? 446 = 100% 2 What is your zipcode?

Please mark only one selection in questions 3. Through 16.

3 What is your primary work location?
 100 Tech Sq 200 Tech Sq 300 Tech Sq 500 Tech Sq 186 Mass Ave 220 Mass Ave 250 Mass Ave 45 Sidney
48.88 21.08 5.83 24.22 0 0 0 0

4 What time do you usually arrive in the morning?
 Before 6 AM 6-7AM 7-7:30AM 7:30-8AM 8-8:30AM 8:30-9AM 9-10:00AM After 10 AM
1.79 10.31 11.43 16.59 25.34 22.65 11.43 0.45

5 What time do you usually leave in the afternoon?
 Before 4PM 4-4:30PM 4:30-5PM 5-5:30PM 5:30-6PM 6-7PM 7-8 PM After 8PM
4.71 13.45 11.88 22.2 23.99 18.61 4.48 0.67

6 How often do you vary your hours more than 30 minutes from these times?
 Never 1-2 days/mo. 1-2 days/wk 3 days/wk
6.95 35.65 44.62 12.78

7 How many hours are you scheduled for work each week?
 Less than 17 17-25 26-30 31-35 36-40 40+
0.22 0 0 1.57 70.18 28.03

8 How long does it take you to travel to work on a typical day? (minutes one way)
 1 to 5 6 to 10 11 to 30 31 to 45 46 to 60 61+
0.22 2.91 27.8 27.8 20.4 20.85

9 How many miles (approximately) do you travel from home to work on a typical day? (miles one way)
 1 to 5 6 to 10 11 to 20 21 to 40 41 to 60 61 to 100+
30.72 23.99 20.85 18.61 4.48 1.35

10 How satisfied are you with your commute?
 Very Satisfied Satisfied Somewhat Satisfied Somewhat Dissatisfied Dissatisfied Explain:
16.59 32.06 28.25 13.23 9.87

11 Please indicate how you commuted to work each day LAST WEEK, May 10 - 14, 2010 (primary mode only).
 If you use more than one mode, please select the mode taken for the longest distance in your commute to work.

	Mon	Tues	Wed	Thurs	Fri
a] Took public transportation the entire way	31.39	31.61	32.29	30.49	29.6
b] Shared a ride then took public transportation	2.24	2.47	2.47	1.57	2.02
c] Drove alone then took public transportation	8.3	9.19	9.19	9.42	8.52
d] Drove alone the entire way	35.43	32.74	33.18	34.53	33.18
e] Rode in a 2 person carpool	6.73	7.85	7.62	8.07	8.97
f] Rode in a 3 to 6 person carpool	0.45	0.45	0.45	0.45	0.22
g] Rode in a 7 or more person vanpool	0.22	0.22	0.22	0.22	0.22
h] Dropped off at work, taxi, limo etc.	0	0.22	0.22	0	0.45
i] Bicycled	4.26	4.93	4.04	4.26	3.81
j] Walked	6.95	6.5	6.5	6.05	5.16
k] Motorcycled, scootered	0.67	0.67	0.67	0.9	0.9
l] Flextime, Compressed Work Week/scheduled day off	0.22	0.22	0	0	0.22
m] Telecommuted (worked at home)	0.67	0.67	0.9	0.9	2.47
n] Not at work (sick, vacation, jury duty, bus. trip)	2.47	2.24	2.24	3.14	4.26

12 Why have you chosen your commute method?
 Convenience Cost Takes Less Time No Other Option Other Please Describe
55.38 14.35 18.16 4.04 8.07

13 How often do you use your OWN vehicle during work hours or work purposes, PER MONTH (not including your commute)?
 None 1 to 4 5 or more
30.49 7.17 62.33

14 If you drive alone or carpool where is the vehicle usually parked?
 800 Tech Sq. 1 Cross Street On-Street On-Street Meters Private Parking University Garage Not Applicable
43.05 1.57 1.12 1.79 3.14 1.57 47.76

14a If you drive only part of the way, where is the vehicle usually parked?
 Train Station Pk 'n Ride Lot Pkg Lot/Garage Off Site On-Street Not Applicable
12.78 2.02 2.02 1.79 81.39

15 If you took public transit for all or part of your commute, which route(s) did you use?
 Bus Routes List #s: Red Line Green Line Orange Line Blue Line CR to Porter Sq. CR to No. Station CR to So. Station NVS Shuttle Not Applicable
17.49 43.27 6.5 4.71 0.22 3.14 5.83 8.74 0.9 40.58

15a If you drive only part of the way, what is your final travel mode?
 Public transit Walk Not Applicable
14.57 7.17 78.25

16 Do you drive alone to work?
 Yes: 5 days/wk 1-4 days/wk No
35.2 9.87 54.93

Novartis Institute PTDM Transportation Survey
Tech Square

Novartis Institute PTDM Transportation Survey
Tech Square

Please answer questions 17 - 20 only if you drive alone to work some or all of the time.

17 What are your reasons for driving alone to work? (select all that apply)

- a) Enjoy my privacy, prefer to drive alone **9.87**
- b) Hours are irregular **18.39**
- c) Need car for business **0.45**
- d) Need car for errands before or after work **15.02**
- e) Do not have any other option **5.38**
- f) Need car in case of emergencies **8.97**
- g) Difficulty finding others to carpool with **3.81**
- h) Driving alone takes less time **17.04**
- i) Take children to school or daycare **12.11**
- j) Other modes not safe **0.45**
- k) Other modes cost too much **0.9**
- l) Transit schedules or routes don't work for me **13**
- m) Public transit is not convenient **17.26**
- n) Other **3.59**

Please explain:

18 What concerns you most about your commute? (select all that apply)

- a) Overall travel time from home to work **28.03**
- b) Cost of commute **13**
- c) Finding a convenient parking space **1.35**
- d) Congestion on streets and highways **21.52**
- e) Frustration of commuting **12.33**
- f) Bad weather **7.4**
- g) No concerns at present **5.61**
- h) Other **2.02**

Please explain:

19 How likely would you be to change to public transit, ridesharing, or other commuting alternatives if the following incentives or services were available? (select one answer for each option)

Public Transit/Commuter Rail

	Very likely	Somewhat likely	Not likely
a) Guaranteed Ride Home program in case of emergencies	5.61	13.45	24.66
b) On-site information on public transit routes & schedules	3.36	7.17	32.06
c) Shuttle to train station/bus station	4.48	12.11	26.01
d) Flexible hours to accommodate public transit schedule	7.17	11.21	23.99
e) Additional discount on transit pass	10.09	12.11	20.4
f) More reliable bus service	8.74	9.19	24.44
g) More frequent buses or subway trains	12.56	13	17.49
h) Better public transportation service to/from my community	17.94	13.23	11.88
i) Zip car made available	2.47	6.5	32.06

Carpool/Vanpool

	Very likely	Somewhat likely	Not likely
j) Help finding someone with whom to carpool/vanpool	2.69	10.31	30.94
k) Guaranteed Ride Home program in case of emergencies	3.36	12.33	27.58
l) Additional preferential or reserved parking for employees who rideshare	2.47	7.85	33.41
m) Additional subsidies for commuters who rideshare	5.61	12.33	25.78
n) Cars made available for business use during the day	1.12	7.4	34.53
o) Vans made available for ridesharing	1.79	8.97	32.29

Bicycle/Walk

	Very likely	Somewhat likely	Not likely
p) Additional Bicycle storage	3.36	2.69	37.44
q) Additional Showers and Lockers	4.26	4.04	35.65

20 Please rank the commute options you would consider using instead of driving alone from 1 to 5 (1 = the highest and 5 = lowest).

	1st Choice	2nd Choice	3rd Choice	4th Choice	5th Choice	Would not consider
Carpool	9.87	11.21	6.95	2.02	1.57	12.33
Bike	4.71	4.04	1.79	2.24	1.79	30.04
Walk	0.45	1.79	2.24	1.12	1.57	36.32
Transit	19.96	9.19	5.38	0.9	2.02	7.17
Vanpool	1.79	8.3	9.42	3.36	2.24	19.06

Novartis 2010 PTDM Tech.Sq. Employee M Census Survey 446

						Total	Avg	All Mode	Out
	Mon	Tues	Wed	Thurs	Fri	Trips	Trips	% Trips	Removed
Took public transportation the entire way	140	141	144	136	132	693	139	31.08%	31.9%
Shared a ride then took public trans.	10	11	11	7	9	48	9.6	2.15%	2.2%
Drove alone then took public transportation	37	41	41	42	38	199	39.8	8.92%	9.1%
Drove alone the entire way	158	146	148	154	148	754	151	33.81%	34.7%
Rode in a 2 person carpool	30	35	34	36	40	175	35	7.85%	8.0%
Rode in a 3 to 6 person carpool	2	2	2	2	1	9	1.8	0.40%	0.4%
Rode in a 7 or more person vanpool	1	1	1	1	1	5	1	0.22%	0.2%
Dropped off at work, taxi, limo, etc.	0	1	1	0	2	4	0.8	0.18%	0.2%
Bicycled	19	22	18	19	17	95	19	4.26%	4.4%
Walked	31	29	29	27	23	139	27.8	6.23%	6.4%
Motorcycle, scooter	3	3	3	4	4	17	3.4	0.76%	0.8%
Flextime, Compressed Work Week/scheduled day	1	1	0	0	1	3	0.6	0.13%	0.1%
Telecommuted (worked at home)	3	3	4	4	11	25	5	1.12%	1.1%
Not at work (sick, vacation, jury duty, bus. trip)	11	10	10	14	19	<u>64</u>	<u>12.8</u>	<u>2.87%</u>	99.6%
	446	446	446	446	446	2230	446	100.00%	

1 What town/city do you currently live in? TOTAL = 1163 2 What is your zipcode?

Please mark only one selection in questions 3. Through 16.

3 What is your primary work location?

100 Tech Sq	200 Tech Sq	300 Tech Sq	500 Tech Sq	186 Mass Ave	220 Mass Ave	250 Mass Ave	45 Sidney
218	94	26	108	16	151	524	26

4 What time do you usually arrive in the morning?

Before 6 AM	6-7AM	7-7:30AM	7:30-8AM	8-8:30AM	8:30-9AM	9-10:00AM	After 10 AM
15	105	128	204	282	299	125	5

5 What time do you usually leave in the afternoon?

Before 4PM	4-4:30PM	4:30-5PM	5-5:30PM	5:30-6PM	6-7PM	7-8 PM	After 8PM
47	127	161	273	260	235	52	8

6 How often do you vary your hours more than 30 minutes from these times?

Never	1-2 days/mo.	1-2 days/wk	3 days/wk
98	413	506	146

7 How many hours are you scheduled for work each week?

Less than 17	17-25	26-30	31-35	36-40	.40+
1	1	0	18	813	330

8 How long does it take you to travel to work on a typical day? (minutes one way)

1 to 5	6 to 10	11 to 30	31 to 45	46 to 60	61+
5	32	316	324	248	238

9 How many miles (approximately) do you travel from home to work on a typical day? (miles one way)

1 to 5	6 to 10	11 to 20	21 to 40	41 to 60	61 to 100+
368	282	225	211	58	19

10 How satisfied are you with your commute?

Very Satisfied	Satisfied	Somewhat Satisfied	Somewhat Dissatisfied	Dissatisfied
198	373	320	156	116

Explain:

11 Please indicate how you commuted to work each day LAST WEEK, May 10 - 14, 2010 (primary mode only).

If you use more than one mode, please select the mode taken for the longest distance in your commute to work.

	Mon	Tues	Wed	Thurs	Fri
a) Took public transportation the entire way	360	346	347	342	338
b) Shared a ride then took public transportation	26	27	30	24	25
c) Drove alone then took public transportation	90	102	95	92	88
d) Drove alone the entire way	401	377	386	397	380
e) Rode in a 2 person carpool	88	97	92	99	99
f) Rode in a 3 to 6 person carpool	12	10	10	10	10
g) Rode in a 7 or more person vanpool	5	5	4	5	4
h) Dropped off at work, taxi, limo etc.	3	2	3	5	7
i) Bicycled	55	57	51	54	39
j) Walked	69	80	71	63	66
k) Motorcycled, scootered	4	4	3	6	5
l) Flextime, Compressed Work Week/scheduled day off	1	2	0	1	1
m) Telecommuted (worked at home)	7	6	14	9	27
n) Not at work (sick, vacation, jury duty, bus. trip)	42	48	57	56	74

12 Why have you chosen your commute method?

Convenience	Cost	Takes Less Time	No Other Option	Other	Please Describe
609	174	202	84	94	

13 How often do you use your OWN vehicle during work hours or work purposes, PER MONTH (not including your commute)?

None	1 to 4	5 or more
352	75	736

14 If you drive alone or carpool where is the vehicle usually parked?

800 Tech Sq.	1 Cross Street	On-Street	On-Street Meters	Private Parking	University Garage	Not Applicable
201	262	16	37	47	51	549

14a If you drive only part of the way, where is the vehicle usually parked?

Train Station	Pk 'n Ride Lot	Pkg Lot/Garage Off Site	On-Street	Not Applicable
132	25	22	19	965

15 If you took public transit for all or part of your commute, which route(s) did you use?

Bus Routes	List #s:	Red Line	Green Line	Orange Line	Blue Line	CR to Porter Sq.	CR to No. Station	CR to So. Station	NVS Shuttle	Not Applicable
238		464	71	53	6	36	57	83	16	511

15a If you drive only part of the way, what is your final travel mode?

Public transit	Walk	Not Applicable
143	97	923

16 Do you drive alone to work?

Yes: 5 days/wk	1-4 days/wk	No
417	108	638

Please answer questions 17 - 20 only if you drive alone to work some or all of the time.

17 What are your reasons for driving alone to work? (select all that apply)

- a) Enjoy my privacy, prefer to drive alone **106**
- b) Hours are irregular **216**
- c) Need car for business **12**
- d) Need car for errands before or after work **171**
- e) Do not have any other option **74**
- f) Need car in case of emergencies **101**
- g) Difficulty finding others to carpool with **46**
- h) Driving alone takes less time **180**
- i) Take children to school or daycare **145**
- j) Other modes not safe **8**
- k) Other modes cost too much **17**
- l) Transit schedules or routes don't work for me **155**
- m) Public transit is not convenient **199**
- n) Other **39**

Please explain:

18 What concerns you most about your commute? (select all that apply)

- a) Overall travel time from home to work **322**
- b) Cost of commute **141**
- c) Finding a convenient parking space **41**
- d) Congestion on streets and highways **245**
- e) Frustration of commuting **163**
- f) Bad weather **95**
- g) No concerns at present **71**
- h) Other **18**

Please explain:

19 How likely would you be to change to public transit, ridesharing, or other commuting alternatives if the following incentives or services were available? (select one answer for each option)

Public Transit/Commuter Rail

	Very likely	Somewhat likely	Not likely
a) Guaranteed Ride Home program in case of emergencies	75	135	295
b) On-site information on public transit routes & schedules	38	83	375
c) Shuttle to train station/bus station	63	130	303
d) Flexible hours to accommodate public transit schedule	86	118	290
e) Additional discount on transit pass	113	113	267
f) More reliable bus service	87	104	296
g) More frequent buses or subway trains	124	143	226
h) Better public transportation service to/from my community	213	138	149
i) Zip car made available	30	84	367

Carpool/Vanpool

	Very likely	Somewhat likely	Not likely
j) Help finding someone with whom to carpool/vanpool	34	123	346
k) Guaranteed Ride Home program in case of emergencies	44	130	324
l) Additional preferential or reserved parking for employees who rideshare	36	95	371
m) Additional subsidies for commuters who rideshare	66	131	303
n) Cars made available for business use during the day	23	82	392
o) Vans made available for ridesharing	34	92	368

Bicycle/Walk

	Very likely	Somewhat likely	Not likely
p) Additional Bicycle storage	30	43	429
q) Additional Showers and Lockers	60	51	399

20 Please rank the commute options you would consider using instead of driving alone from 1 to 5 (1 = the highest and 5 = lowest).

	1st Choice	2nd Choice	3rd Choice	4th Choice	5th Choice	Would not consider
Carpool	134	115	70	32	13	146
Bike	49	45	26	32	23	337
Walk	12	26	27	17	17	404
Transit	227	103	73	11	15	84
Vanpool	20	105	113	41	30	202

1 What town/city do you currently live in? TOTAL = 1163 2 What is your zipcode?

Please mark only one selection in questions 3. Through 16.

3 What is your primary work location?

100 Tech Sq	200 Tech Sq	300 Tech Sq	500 Tech Sq	186 Mass Ave	220 Mass Ave	250 Mass Ave	45 Sidney
218	94	26	108	16	151	524	26

4 What time do you usually arrive in the morning?

Before 6 AM	6-7AM	7-7:30AM	7:30-8AM	8-8:30AM	8:30-9AM	9-10:00AM	After 10 AM
15	105	128	204	282	299	125	5

5 What time do you usually leave in the afternoon?

Before 4PM	4-4:30PM	4:30-5PM	5-5:30PM	5:30-6PM	6-7PM	7-8 PM	After 8PM
47	127	161	273	260	235	52	8

6 How often do you vary your hours more than 30 minutes from these times?

Never	1-2 days/mo.	1-2 days/wk	3 days/wk
98	413	506	146

7 How many hours are you scheduled for work each week?

Less than 17	17-25	26-30	31-35	36-40	.40+
1	1	0	18	813	330

8 How long does it take you to travel to work on a typical day? (minutes one way)

1 to 5	6 to 10	11 to 30	31 to 45	46 to 60	61+
5	32	316	324	248	238

9 How many miles (approximately) do you travel from home to work on a typical day? (miles one way)

1 to 5	6 to 10	11 to 20	21 to 40	41 to 60	61 to 100+
368	282	225	211	58	19

10 How satisfied are you with your commute?

Very Satisfied	Satisfied	Somewhat Satisfied	Somewhat Dissatisfied	Dissatisfied
198	373	320	156	116

Explain:

11 Please indicate how you commuted to work each day LAST WEEK, May 10 - 14, 2010 (primary mode only).

If you use more than one mode, please select the mode taken for the longest distance in your commute to work.

	Mon	Tues	Wed	Thurs	Fri
a) Took public transportation the entire way	360	346	347	342	338
b) Shared a ride then took public transportation	26	27	30	24	25
c) Drove alone then took public transportation	90	102	95	92	88
d) Drove alone the entire way	401	377	386	397	380
e) Rode in a 2 person carpool	88	97	92	99	99
f) Rode in a 3 to 6 person carpool	12	10	10	10	10
g) Rode in a 7 or more person vanpool	5	5	4	5	4
h) Dropped off at work, taxi, limo etc.	3	2	3	5	7
i) Bicycled	55	57	51	54	39
j) Walked	69	80	71	63	66
k) Motorcycled, scootered	4	4	3	6	5
l) Flextime, Compressed Work Week/scheduled day off	1	2	0	1	1
m) Telecommuted (worked at home)	7	6	14	9	27
n) Not at work (sick, vacation, jury duty, bus. trip)	42	48	57	56	74

12 Why have you chosen your commute method?

Convenience	Cost	Takes Less Time	No Other Option	Other	Please Describe
609	174	202	84	94	

13 How often do you use your OWN vehicle during work hours or work purposes, PER MONTH (not including your commute)?

None	1 to 4	5 or more
352	75	736

14 If you drive alone or carpool where is the vehicle usually parked?

800 Tech Sq.	1 Cross Street	On-Street	On-Street Meters	Private Parking	University Garage	Not Applicable
201	262	16	37	47	51	549

14a If you drive only part of the way, where is the vehicle usually parked?

Train Station	Pk 'n Ride Lot	Pkg Lot/Garage Off Site	On-Street	Not Applicable
132	25	22	19	965

15 If you took public transit for all or part of your commute, which route(s) did you use?

Bus Routes	List #s:	Red Line	Green Line	Orange Line	Blue Line	CR to Porter Sq.	CR to No. Station	CR to So. Station	NVS Shuttle	Not Applicable
238		464	71	53	6	36	57	83	16	511

15a If you drive only part of the way, what is your final travel mode?

Public transit	Walk	Not Applicable
143	97	923

16 Do you drive alone to work?

Yes: 5 days/wk	1-4 days/wk	No
417	108	638

Please answer questions 17 - 20 only if you drive alone to work some or all of the time.

17 What are your reasons for driving alone to work? (select all that apply)

- a) Enjoy my privacy, prefer to drive alone **106**
- b) Hours are irregular **216**
- c) Need car for business **12**
- d) Need car for errands before or after work **171**
- e) Do not have any other option **74**
- f) Need car in case of emergencies **101**
- g) Difficulty finding others to carpool with **46**
- h) Driving alone takes less time **180**
- i) Take children to school or daycare **145**
- j) Other modes not safe **8**
- k) Other modes cost too much **17**
- l) Transit schedules or routes don't work for me **155**
- m) Public transit is not convenient **199**
- n) Other **39**

Please explain:

18 What concerns you most about your commute? (select all that apply)

- a) Overall travel time from home to work **322**
- b) Cost of commute **141**
- c) Finding a convenient parking space **41**
- d) Congestion on streets and highways **245**
- e) Frustration of commuting **163**
- f) Bad weather **95**
- g) No concerns at present **71**
- h) Other **18**

Please explain:

19 How likely would you be to change to public transit, ridesharing, or other commuting alternatives if the following incentives or services were available? (select one answer for each option)

Public Transit/Commuter Rail

	Very likely	Somewhat likely	Not likely
a) Guaranteed Ride Home program in case of emergencies	75	135	295
b) On-site information on public transit routes & schedules	38	83	375
c) Shuttle to train station/bus station	63	130	303
d) Flexible hours to accommodate public transit schedule	86	118	290
e) Additional discount on transit pass	113	113	267
f) More reliable bus service	87	104	296
g) More frequent buses or subway trains	124	143	226
h) Better public transportation service to/from my community	213	138	149
i) Zip car made available	30	84	367

Carpool/Vanpool

	Very likely	Somewhat likely	Not likely
j) Help finding someone with whom to carpool/vanpool	34	123	346
k) Guaranteed Ride Home program in case of emergencies	44	130	324
l) Additional preferential or reserved parking for employees who rideshare	36	95	371
m) Additional subsidies for commuters who rideshare	66	131	303
n) Cars made available for business use during the day	23	82	392
o) Vans made available for ridesharing	34	92	368

Bicycle/Walk

	Very likely	Somewhat likely	Not likely
p) Additional Bicycle storage	30	43	429
q) Additional Showers and Lockers	60	51	399

20 Please rank the commute options you would consider using instead of driving alone from 1 to 5 (1 = the highest and 5 = lowest).

	1st Choice	2nd Choice	3rd Choice	4th Choice	5th Choice	Would not consider
Carpool	134	115	70	32	13	146
Bike	49	45	26	32	23	337
Walk	12	26	27	17	17	404
Transit	227	103	73	11	15	84
Vanpool	20	105	113	41	30	202

Novartis Institute PTDM Transportation Survey 2010

1 What town/city do you currently live in?

1163 = 100%

2 What is your zipcode?

Please mark only one selection in questions 3. Through 16.

3 What is your primary work location?

100 Tech Sq	200 Tech Sq	300 Tech Sq	500 Tech Sq	186 Mass Ave	220 Mass Ave	250 Mass Ave	45 Sidney
18.74	8.08	2.24	9.29	1.38	12.98	45.06	2.24

4 What time do you usually arrive in the morning?

Before 6 AM	6-7AM	7-7:30AM	7:30-8AM	8-8:30AM	8:30-9AM	9-10:00AM	After 10 AM
1.29	9.03	11.01	17.54	24.25	25.71	10.75	0.43

5 What time do you usually leave in the afternoon?

Before 4PM	4-4:30PM	4:30-5PM	5-5:30PM	5:30-6PM	6-7PM	7-8 PM	After 8PM
4.04	10.92	13.84	23.47	22.36	20.21	4.47	0.69

6 How often do you vary your hours more than 30 minutes from these times?

Never	1-2 days/mo.	1-2 days/wk	3 days/wk
8.43	35.51	43.51	12.55

7 How many hours are you scheduled for work each week?

Less than 17	17-25	26-30	31-35	36-40	.40+
0.09	0.09	0	1.55	69.91	28.37

8 How long does it take you to travel to work on a typical day? (minutes one way)

1 to 5	6 to 10	11 to 30	31 to 45	46 to 60	61+
0.43	2.75	27.17	27.86	21.32	20.46

9 How many miles (approximately) do you travel from home to work on a typical day? (miles one way)

1 to 5	6 to 10	11 to 20	21 to 40	41 to 60	61 to 100+
31.64	24.25	19.35	18.14	4.99	1.63

10 How satisfied are you with your commute?

Very Satisfied	Satisfied	Somewhat Satisfied	Somewhat Dissatisfied	Dissatisfied
17.02	32.07	27.52	13.41	9.97

Explain:

11 Please indicate how you commuted to work each day LAST WEEK, May 10 - 14, 2010 (primary mode only).

If you use more than one mode, please select the mode taken for the longest distance in your commute to work.

	Mon	Tues	Wed	Thurs	Fri
a) Took public transportation the entire way	30.95	29.75	29.84	29.41	29.06
b) Shared a ride then took public transportation	2.24	2.32	2.58	2.06	2.15
c) Drove alone then took public transportation	7.74	8.77	8.17	7.91	7.57
d) Drove alone the entire way	34.48	32.42	33.19	34.14	32.67
e) Rode in a 2 person carpool	7.57	8.34	7.91	8.51	8.51
f) Rode in a 3 to 6 person carpool	1.03	0.86	0.86	0.86	0.86
g) Rode in a 7 or more person vanpool	0.43	0.43	0.34	0.43	0.34
h) Dropped off at work, taxi, limo etc.	0.26	0.17	0.26	0.43	0.6
i) Bicycled	4.73	4.9	4.39	4.64	3.35
j) Walked	5.93	6.88	6.1	5.42	5.67
k) Motorcycled, scootered	0.34	0.34	0.26	0.52	0.43
l) Flextime, Compressed Work Week/scheduled day off	0.09	0.17	0	0.09	0.09
m) Telecommuted (worked at home)	0.6	0.52	1.2	0.77	2.32
n) Not at work (sick, vacation, jury duty, bus. trip)	3.61	4.13	4.9	4.82	6.36

12 Why have you chosen your commute method?

Convenience	Cost	Takes Less Time	No Other Option	Other	Please Describe
52.36	14.96	17.37	7.22	8.08	<input type="text"/>

13 How often do you use your OWN vehicle during work hours or work purposes, PER MONTH (not including your commute)?

None	1 to 4	5 or more
30.27	6.45	63.28

14 If you drive alone or carpool where is the vehicle usually parked?

800 Tech Sq.	1 Cross Street	On-Street	On-Street Meters	Private Parking	University Garage	Not Applicable
17.28	22.53	1.38	3.18	4.04	4.39	47.21

14a If you drive only part of the way, where is the vehicle usually parked?

Train Station	Pk 'n Ride Lot	Pkg Lot/Garage Off Site	On-Street	Not Applicable
11.35	2.15	1.89	1.63	82.98

15 If you took public transit for all or part of your commute, which route(s) did you use?

Bus Routes	List #s:	Red Line	Green Line	Orange Line	Blue Line	CR to Porter Sq.	CR to No. Station	CR to So. Station	NVS Shuttle	Not Applicable
20.46	<input type="text"/>	39.9	6.1	4.56	0.52	3.1	4.9	7.14	1.38	43.94

15a If you drive only part of the way, what is your final travel mode?

Public transit	Walk	Not Applicable
12.30	8.34	0.79

16 Do you drive alone to work?

Yes: 5 days/wk	1-4 days/wk	No
35.86	9.29	54.86

Please answer questions 17 - 20 only if you drive alone to work some or all of the time.

17 What are your reasons for driving alone to work? (select all that apply)

- a) Enjoy my privacy, prefer to drive alone 9.11
- b) Hours are irregular 18.57
- c) Need car for business 1.03
- d) Need car for errands before or after work 14.7
- e) Do not have any other option 6.36
- f) Need car in case of emergencies 8.68
- g) Difficulty finding others to carpool with 3.96
- h) Driving alone takes less time 15.48
- i) Take children to school or daycare 12.47
- j) Other modes not safe 0.69
- k) Other modes cost too much 1.46
- l) Transit schedules or routes don't work for me 13.33
- m) Public transit is not convenient 17.11
- n) Other 3.35

Please explain:

18 What concerns you most about your commute? (select all that apply)

- a) Overall travel time from home to work 27.69
- b) Cost of commute 12.12
- c) Finding a convenient parking space 3.53
- d) Congestion on streets and highways 21.07
- e) Frustration of commuting 14.02
- f) Bad weather 8.17
- g) No concerns at present 6.1
- h) Other 1.55

Please explain:

19 How likely would you be to change to public transit, ridesharing, or other commuting alternatives if the following incentives or services were available? (select one answer for each option)

Public Transit/Commuter Rail

	Very likely	Somewhat likely	Not likely
a) Guaranteed Ride Home program in case of emergencies	6.45	11.61	25.37
b) On-site information on public transit routes & schedules	3.27	7.14	32.24
c) Shuttle to train station/bus station	5.42	11.18	26.05
d) Flexible hours to accommodate public transit schedule	7.39	10.15	24.94
e) Additional discount on transit pass	9.72	9.72	22.96
f) More reliable bus service	7.48	8.94	25.45
g) More frequent buses or subway trains	10.66	12.3	19.43
h) Better public transportation service to/from my community	18.31	11.87	12.81
i) Zip car made available	2.58	7.22	31.56

Carpool/Vanpool

	Very likely	Somewhat likely	Not likely
j) Help finding someone with whom to carpool/vanpool	2.92	10.58	29.75
k) Guaranteed Ride Home program in case of emergencies	3.78	11.18	27.86
l) Additional preferential or reserved parking for employees who rideshare	3.1	8.17	31.9
m) Additional subsidies for commuters who rideshare	5.67	11.26	26.05
n) Cars made available for business use during the day	1.98	7.05	33.71
o) Vans made available for ridesharing	2.92	7.91	31.64

Bicycle/Walk

	Very likely	Somewhat likely	Not likely
p) Additional Bicycle storage	2.58	3.7	36.89
q) Additional Showers and Lockers	5.16	4.39	34.31

20 Please rank the commute options you would consider using instead of driving alone from 1 to 5 (1 = the highest and 5 = lowest).

	1st Choice	2nd Choice	3rd Choice	4th Choice	5th Choice	Would not consider
Carpool	11.52	9.89	6.02	2.75	1.12	12.55
Bike	4.21	3.87	2.24	2.75	1.98	28.98
Walk	1.03	2.24	2.32	1.46	1.46	34.74
Transit	19.52	8.86	6.28	0.95	1.29	7.22
Vanpool	1.72	9.03	9.72	3.53	2.58	17.37

Novartis Institute PTDM Transportation Survey 2010

Town Summary	Numbers
Cambridge	119
Somerville	88
Boston	75
Arlington	56
Newton	44
Brookline	39
Belmont	38
Winchester	31
Quincy	29
Waltham	26
Watertown	23
Lexington	22
Brighton	20
Medford	19
Acton	16
Malden	15
Jamaica Plain	14
West Roxbury	13
Charlestown	13
Framingham	12
Andover	12
Sharon	11
Dorchester	11
Stow	10
Woburn	9
Wellesley	9
Needham	9
Salem	8
North Reading	8
Marborough	8
Burlington	8
Swampscott	7
Sudbury	7
Reading	7
Natick	7
Lynn	7
Dedham	7
Concord	7
Allston	7
Westborough	6
Walpole	6
Melrose	6
Marblehead	6
Carlisle	6
Braintree	6
Weymouth	5
Wayland	5
Wakefield	5
Methuen	5
Maynard	5
Wilmington	4
Westwood	4
Weston	4
Stoughton	4
Stoneham	4
Southborough	4
Randolph	4
Plymouth	4
Mansfield	4
Ipswich	4
Haverhill	4
Foxboro	4
Chestnut Hill	4
Chelmsford	4
Billerica	4
Beverly	4
Bedford	4
Ashland	4
Winthrop	3
Westwood	3
Roslindale	3
Revere	3
North Grafton	3
Milton	3
Leominster	3
Holliston	3
Hingham	3
Harvard	3
Danvers	3
Boxborough	3
Attleboro	3
Waban	2
Roxbury	2
Norwood	2
Norwell	2
Northborough	2
Medfield	2
Lynnfield	2
Lunenburg	2
Lowell	2

Top Ten Towns		
Town	Number	Percent
Boston	161	13.84%
Cambridge	119	10.23%
Somerville	88	7.57%
Arlington	56	4.82%
Newton	44	3.78%
Brookline	39	3.35%
Belmont	38	3.27%
Winchester	31	2.67%
Quincy	29	2.49%
Waltham	26	2.24%
Watertown	23	1.98%
		56.23%

Boston Neighborhoods**		
	Number	Percent
Boston	75	6.45%
Brighton	20	1.72%
Jamaica Plain	14	1.20%
West Roxbury	13	1.12%
Charlestown	13	1.12%
Dorchester	11	0.95%
Allston	7	0.60%
Roslindale	3	0.26%
Roxbury	2	0.17%
South Boston	1	0.09%
Fenway	1	0.09%
E. Boston	1	0.09%
	161	13.84%

Novartis Institute PTDM Transportation Survey 2010

Littleton	2
Hudson	2
Hopkinton	2
Gloucester	2
Franklin	2
Dover	2
Canton	2
Ayer	2
Auburndale	2
Auburn	2
Abington	2
Wrentham	1
Worcester	1
Whitman	1
Westport	1
West Wareham	1
West Springfield	1
West Newton	1
Upton	1
Tyngsboro	1
Tewksbury	1
Taunton	1
Sturbridge	1
South Grafton	1
South Boston	1
Shrewsbury	1
Saugus	1
Saugus	1
Salisbury	1
S. Grafton	1
Rochester	1
Pembroke	1
Norton	1
North Weymouth	1
North Falmouth	1
North Billerica	1
North Andover	1
Norfolk	1
New Ipswich	1
New Braintree	1
Nahant	1
N. Smithfield	1
Millbury	1
Milford	1
Middleton	1
Marshfield	1
Marblehead	1
Lincoln	1
Lawrence	1
Lancaster	1
Hopedale	1
Holbrook	1
Hanson	1
Hanover	1
Halifax	1
Groton	1
Fitchburg	1
Fenway	1
Fall River	1
Everett	1
Easton	1
E. Wareham	1
E. Sandwich	1
E. Boston	1
Duxbury	1
Douglas	1
Clinton	1
Boxford	1
Bellingham	1
Amesbury	1
Out of State	21
	1163

Novartis Institute PTDM Transportation Survey 2010

Explain Dissatisfied
2 hours each way (ugh)
2.5 miles takes 20-25 minutes to drive
3 hrs to work in the morning, 2 hrs to home in the evening
45 minutes for 6 miles?!?
5 hours daily
Always congestion from Alewife to Central Square
Ancient bus line, MBTA lines 71, 73
Better bike paths are needed.
BU Bridge construction causes terrible traffic jams.
BU Bridge has been under construction for 4 years now. Always congested no matter what time.
BU Bridge rotary is a terrible mess!
BU Bridge traffic
Bus #1 driver is not good.
Bus and train are usually off schedule.
Bus stuck usually in traffic.
Busy traffic by driving, long time and inconvenient schedule by train.
Cambridge traffic is a nightmare!
The city is a hard commuting destination.
City streets are full of potholes, commute too long.
Commuter Rail not timely, out of date equipment, lack of flexibility for daytime schedule.
Commute is too long.
Commuter Rail equipment requires repair and modernization.
Commuter Rail is rarely on time, always 5-10 minutes late, Red Line can be slow.
Commuter Rail service is often late.
Commuter Rail trains are NEVER on time and there are not enough to choose from. The Red Line is also not reliable and therefore I have to leave extra time for those days when it is running late to catch the Commuter Rail train.
Congested commute home in evening, coupled with poor quality of the road pavement.
I currently need to drop off child at daycare in Charlestown, so very indirect route to work.
Difficult to find parking in train station, train is often not on time, no flexibility, etc.
Difficult to predict if 1hr and 15 mins or 2 hours
Drive to Commuter Rail station, rail for 40 minutes, Red Line for 25 minutes, 8 minutes walk.
Driving into Cambridge (from Alewife further in) takes forever.
Frequent delay due to disabled train/construction/traffic
Frequent delays due to problems with the Red Line.
Get's longer every year!
Getting in and out of Cambridge is extremely frustrating because of the amount of time it takes to get through Cambridge to work and out of Cambridge on the way home.
Green Line is too slow.
Hate the traffic near Alewife, and how people block the intersection-
Heavy traffic
Heavy traffic and lots traffic lights
Heavy traffic every day
Heavy traffic in the morning
Highway (I-93) congestion
I am an active employee on leave.
I am taking bus #1, it says it all!
I average 9 mph. The T is even slower and doesn't save any money.
I hate that it takes 45-60 minutes to travel 3 miles on the MBTA. A direct route would be better.
I have to catch 2 buses and they are rarely on time making it tough to coordinate my connections.
I have to take local with so many traffic lights since highway is even worse (longer and unpredictable traffic)..

Novartis Institute PTDM Transportation Survey 2010

I have to take the T and a bus to get to work because it is much too expensive for me to pay for parking fees at work and at home (Brookline does not allow overnight parking, so I have to pay monthly fees in Brookline and cannot afford to drive to work).
I live in the middle of nowhere.
I take the bus, and I HATE it!!!
I take the T (Redline) from Davis Sq to Central Sq. The trains are often delayed or make stops between stations.
I use my car, the Commuter Rail and the Red Line.
I used to take public transportation but changed to driving into work. Inconsistent Commuter Rail on time performance coupled with increases in fare and parking made me change to driving into Boston. The increases in fare and parking made it more economically feasible to drive instead of take public transportation. Overall the commute into work is very stressful.
I want to live in Cambridge but rents are high.
I wish I can cut my time on drive.
I wish Novartis would have a temporary parking lot for employees who need to park their car twice a week (no problem if we need to pay and order the space a day in advance) near Novartis.
I would be dissatisfied if I wasn't able to work flexible hours.
I-93 traffic is disorganized (commercial vehicles are allowed during rush hour etc)
If I leave after 6:30 AM it will take me more than 30 minutes to drive 12 miles.
I'm driving to work because public transport and the easy ride are so time consuming for the distance traveled.
In the evenings I can wait for a #1 bus for 45 minutes. That is too long.
It costs me over \$100 month in tolls on the Mass Pike.
It is the traffic because I come by car .
It is too long, especially driving home.
It is too long, I wish I could work from home more often it would greatly reduce my commuting stress load and improve my work efficiency.
It should not take 2 hrs to commute 35 miles. This is true if I drive or use public transportation (need to drive to station, on train 45 min, on subway/bus 30 min, walk 15 min).
it shouldn't take 30-45 mins. to go 5.5 miles
It takes almost an hour to go 3 miles using the T.
It takes me 40 minutes to commute 8 miles.
It takes too long
It takes too long
It takes too long.
Its a long way
Its just too long
It's too slow, and there are way too may bus stops.
Last 1-2 miles in Cambridge are often very busy!
I live too far away...family balance.
minutes to get here. I can walk to work in the same amount of time that the subway takes - not a well laid out system!!
Long commute adds to much time to my work day.
Long commute due to traffic on Mass Pike.
Long commuting time for such a short distance.
Long minutes in such short distances...always traffic!
Long time for such a short distance
Long time to go 7 miles
Loooong time to go the short distance.
Long time, heavy traffic!
Longer than I would like....
Lots of traffic but it takes a bit longer with the train and costs about the same. Given these options I would rather have the convenience of driving than the hassle of commuting.
MBTA
MBTA bus service-
MBTA bus to Belmont (74/75) does not run frequently enough.

Novartis Institute PTDM Transportation Survey 2010

MBTA buses are poorly scheduled, often with two buses running right behind one another. I spend as much time waiting on buses as I do on the bus. Traffic into/out of Central Square accounts for 1/3 of overall time, but only 1/10 of overall distance.
MBTA buses are poorly scheduled, often with two buses running right behind one another. I spend as much time waiting on buses as I do on the bus. Traffic into/out of central square accounts for 1/3 of overall time, but only 1/10 of overall distance.
MBTA delays, danger of crossing traffic lights.
MBTA trains are slow and stop frequently !
More buses and trains that run more frequently would be ideal!
Morning is OK but afternoons/evenings are horrible. Soooooo much traffic no matter what time I leave.
Most of commute is good - gets bad on a section of Route 1 and the Tobin Bridge. Going home, the major delay is getting across the Tobin Bridge. Then its OK.
Moving closer in, takes too long, traffic too slow
My commute is my biggest complaint with working in Cambridge. I am MUCH more effective and efficient when I am able to work from home because I can save 1.5 hours per day. This extra time allows me to be with my children more than the usual 2 hours per day and allows me to cook dinner for my family on the days I work from home. It is almost unmanageable for me to continue with this commute.
Need more cycling access in Cambridge.
Need to move closer to work!
No direct public transportation system to Cambridge from North Shore.
No good access by public transit to Cambridge from North of Boston.
No good way to get to Cambridge, traffic horrible but Commuter Rail/MBTA system are even worse!
North Shore lacks train access to Cambridge
Often delay of Commuter Rail
I often wait for # 73 bus; or it is crowded; sometimes Red Line crowded; delayed.
Old County Line MBTA Commuter Rail
On a good day my commute takes 35 minutes, on a bad day 60 minutes. For a 5 mile commute that's rather slow to say the least. The fastest way for me to get to work is on my bike.
Others have changed their hours and the volume on the Mass Pike has increased at my commuting time. It now takes me 10 minutes longer in the AM than it did 2 years ago, leaving my house at the same time.
Parking is too expensive
Poor public transportation connections.
Problems with late and/or disabled commuter trains.
Public transportation from Brighton to Cambridge is sporadic and if you miss a bus it takes much longer to reach Cambridge.
Public Transportation has become slower.
Public transportation options are limited
Red Line Disruptions
Red Line is frequently not on-time!
Red Line is less reliable every day that goes by due to incidents, delays, etc. Given the number of users, and the city points connected, it should be smoother!!
Red Line is not reliable--travel times vary due to mechanical problems with the trains or signaling system.
Red Line is unreliable!!
Red line or Bus 76 always have issues such as traffic delay and disabled train (red line) .
Red Line should implement more of the high capacity train in the morning, that idea was brilliant. To quell the whiners, make the process to raising and lowering the seats faster and maybe? Even customer implement, LOWERING that is after South Station once the capacity decreases.
Roads too crowded
Short distance but long commute because of traffic.
Slow traffic on I-93
So long and unreliable, crossing Cambridge takes very long.
Solar glare, construction, lack of Fast Lane booths, etc. are a poor excuse to delay traffic.
Spending too much time on the road.
Subway service could be better

Novartis Institute PTDM Transportation Survey 2010

Subway to Cambridge from the North...not good!!
T is not good
T issues cause delays etc
T not on time!
I take a bus and still have to walk 10 minutes in addition.
Takes too long.
Takes a while for the #1 bus to show up many days and I have to walk to Kenmore to catch the T to Hynes because the Fenway Train is always packed to the brim.
Takes too long
Takes too long
Takes too long in the afternoon, no acceptable commuter rail options
Takes too long to go a short distance, dangerous road conditions, pedestrians and bikers.
Takes too long, Commuter Rail not frequent enough.
Takes too long, train problems!
Takes too long.
Takes too long. Public transportation is extremely slow and often unreliable.
Takes too much time!
The bus stinks (77, 79)
The commute is too long by car and the rail line is best but still too long.
The frequency that the T does not work increased in the last year dramatically.
The Mass Pike can be horribly congested.
The MBTA buses do not run on time.
The MBTA subway has many delays and problems that contribute to slow commutes.
The Red Line is often very slow, stops for no reason multiple times in between stations, frequent emergencies and delays.
The Red Line is terrible!!
Downtown Crossing. The Orange Line is delayed frequently but not nearly as bad as the Red Line. Overall, MBTA is unreliable, dirty, and system is poorly maintained. If Boston area driving was not as hard as it is I would only drive to work.
The Red Line stinks, it does not function properly. It takes longer than it should, mainly because of train breakdown, signal problem.
The return journey back home takes longer. This because the CT2 bus is always late!
The roundabout on the Cambridge side of the BU Bridge stinks.
The MBTA stinks
The time it takes to take the Red Line to South Station is very unpredictable.
The traffic in Cambridge is horrendous!!!!
The traffic is horrible. I would prefer NOT to drive but then I would be spending 5 hours a day commuting and I would still have to drive to the train station. Plus the vanpool leaving from my town is not accepting any more
The traffic situation into and out of Boston is ridiculous. There is no good route to take to get into work.
The trains are never consistent and I cannot take the train if I need to work late because the evening trains are too infrequent and do not go all the way to my stop. Driving means I spend an extra 40 minutes in traffic and may not always be able to find parking since I do not get a garage pass.
The trains are often late!
There are delays almost every single day on the Red Line subway during evening rush hour.
There are no good public commuting options and the traffic is terrible!!
There is not an efficient bus route which would consistently take me from home to work in a reasonable amount of time.
TIME: MBTA cost
Toooo long
Tolls are a rip off. Traffic volume is heavy.
Tolls too high, parking too expensive, roads in Cambridge are poor condition.
Too far from home.
Too far, in process of moving to Harvard, MA
Too long
Too Long a commute
Too long and too many lights. Alternatively I can take the highway but too expensive with tolls.

Novartis Institute PTDM Transportation Survey 2010

Too long for amount of miles being traveled.
Too long of commute!!
Too long!
Too long, congested
Too long, too much traffic
Too long, traffic bad.
Too many traffic lights within short distance!
Too much time
Too much traffic
Too much traffic and no public option-
Too much traffic and poor road conditions!
Too much traffic on highways, it takes too long to go a relatively short distance.
Too much traffic!
Too much traffic, expensing parking
Too much traffic, long commute for distance traveled.
Too much traffic
To often delayed by disabled train.
Traffic
Traffic & Inefficient Public Transportation
Traffic and cyclists that ride poorly
Traffic and expensive parking!
Traffic and waiting
Traffic can be an issue.
Traffic during the ride home is horrible!
Traffic engineering in Massachusetts is terrible, and disfavors cars.
Traffic hour makes it stressful. Should take 30 minutes to get to work, takes 1.5 hours with traffic.
Traffic inside Cambridge is too bad!!
Traffic is horrible but the commuter rail is too unreliable and there is not enough service to my location. (Fitchburg Line)
Traffic jam
Traffic jam on Route 93S, 38 and 28.
Traffic jams, no reasonable public transportation alternative.
Traffic no matter what route I take!
Traffic on the BU Bridge is terrible. Only one line for each direction.
Traffic patterns are terrible---no easy way to cross Somerville/Cambridge-
Traffic patterns change daily. Primarily take back roads to avoid tie ups on highways.
Traffic, no simple public transportation route...
Traffic, Traffic and Traffic
Traffic is always a major problem.
Train often late/MBTA often late.
Train schedules can be frustrating due to outages..
Trains frequently late
Travel time is very long for the actual distance traveled.
Unpredictable traffic.
Unreliability of bus service!

Novartis Institute PTDM Transportation Survey 2010

Unreliable schedule for #71 bus (often travel in groups of 2-3, leaving up to 30 minutes between buses on either end) ; almost daily issues with Red Line (disabled trains, etc.) - have taken to walking from 186 Mass. Ave. to Harvard Square to avoid using Red Line at all!!
Varies, depending on weather. MBTA can be unpredictable, and biking is not always possible.
Very aggressive drivers/stressful commute.
Want to take public transportation but it triples my commute time.
Way too long!!
Way too much traffic, often takes 90 minutes or more to get to work!
When driving, there are too many bottle-necks coming in on Rt 2 that extends the commuting time by 15-20 minutes. The availability of trains on the Fitchburg Line should be increased from 1-4 PM
When the Red Line is not working
Wish it was faster/quicker/shorter
Wish it was shorter and the T more reliable
Wish there were more trains, Red Line stinks
Working hours = traffic. Outside working hours/flexibility = more job satisfaction.
Would like public transit option with enough speed and frequency-e.g.. trains every 5 minutes till 7pm would be
Would like to live closer!
You kidding? I-93 is the only way in...

Novartis Institute PTDM Transportation Survey 2010

Commute Other Explain
Cost
Inconsistent Commuter Rail on time performance coupled with increases in fare and parking made me change to driving into Boston.
4 children/multiple drop sites.
A, B, and C!!!
All of the above
All of the above options
All the above
All three apply (convenience, cost and less time)
Allows me to work while traveling.
I always need to drop off my girlfriend at BU first, then drive to work.
Avoid Driving in Traffic
Better for the environment
Better for the environment!
Bike for fitness
Boat/bike combination from Hingham is fast and less expensive.
Can get work done on the train.
Child care issues.
Child drop-off/pickup on certain days.
Childcare drop off/pick up obligations.
Childcare Requirements
Combination of cost & convenience.
Combination of the above items.
Commuter Rail was unreliable & infrequent on days I had to pick up my child from daycare!
Commuting from temporary housing and no good option for public transit.
Convenience AND Cost.
Convenience, cost and environmental concerns
Convenience, cost, time, workout!
Convenience, Takes less time, irregular work schedule makes public transportation difficult.
Convenience, Time and Cost, I live where I can utilize the public transit and also get there quickly by biking when weather allows.
Convenience; Cost; Takes less time;
Convenient, but no incentives in place to make alternative arrangements (commuting with family member or riding my bike)
Cost and a proponent of public transportation (even if it's not great)!!
Cost and to be environment friendly.
Cost - more expensive to take public transportation. Used the system for two years but it is no longer cost effective, convenience, takes less time 4 hr commute/day using public transportation.
Cost, Being "green", Exercise, Time
Cost, Convenience and Takes less time
Daycare
Daycare drop off/pickup
Don't like driving in this area.
Driving into Cambridge was driving me nuts!
Driving is difficult and dangerous on the South Shore!
Drop off/pick up son at daycare.
Ease- to avoid driving!!!
Enjoy biking, and we have one car as well as its good for traffic and environment to take bus/T.
Enjoyable, good fitness, shortest time.
Environment and cost.
Environmentally sound
Even though the train takes longer, I can work on the train and this makes my commute more efficient.
Exercise
Exercise
Exercise
Exercise and convenience
Exercise and environmentally responsible!
Exercise, convenience, cost, and takes less time.
Exercise, less stress, environmentally sound, consistent commute time
FASTER BETTER CHEAPER
Fun!

Novartis Institute PTDM Transportation Survey 2010

Good for the environment...
Have to drop my son off at day care so this is the most convenient, cost effective way.
Have to drop my son off at school in the morning.
Have to make early meetings on time.
Have to pick up/drop off child at daycare located away from subway. Buses not practical/convenient.
Have to pick-up child!
Have to send kids to preschool.
Health
Health and environment
Health, enjoy it!
I am currently pregnant and doctor has prescribed rest for me so I am working from home.
I am currently pregnant and doctor has prescribed working at home.
I broke my shoulder recently and have numerous medical appointments scheduled before and after work hours.
I drive my children to school and daycare. It would take 4 times longer to do my commute if I used public transportation. This survey would be more appropriate if there were choices that reflected traveling with children in the car.
I drop my son off at day care; if I took the T my commute time would be prohibitively long..
I drove because I needed to be flexible as a single parent. My position has been eliminated, so I do not commute any more. I am an active employee on leave until termination.
I enjoy the exercise.
I have a young kid to drop off at school in Cambridge.
I have kids and need to be home at a certain time.
I have to drive because I have to drive my kids to and from school.
I have to drop off my children to their respective schools and I coach soccer 3 times a week.
I have two children and sometimes I need to pick them up.
I like the walk to the T, it's good exercise.
I like to walk.....
I live <1 mile away, doesn't make sense to commute any other way.
I need flexibility for picking up kids.
I need to drop my baby at Allston before reaching Cambridge again.
I need to pick up children from day care and school after work.
I would bicycle, but got hit by a car last year!!
I would go crazy being stuck in traffic all the time, so I take the train.
If I drove to public transportation and then took the various methods required, my commute would be about 2 hours one way.
It actually takes less time than taking the Commuter Rail into Boston and then the MBTA to Cambridge.
It allows me to get to my pre and post work commitments.
It will take 1hr and 15 minutes if I take the public transportation for one way.
Least painful option.
Less stressful than driving!
Mental and Physical Health
More convenient and takes less time than public transportation
Must drop off daughter at daycare and wife at work (in Boston and Cambridge, respectively)
Need car because I have kids at home.
Need the car to drop off child at day care.
Need to drive to some appointments because there is no direct public transportation.
Need to drop off my child at school.
Need to go to school after work.
Need to pick up kids after work.
Need to pick up kids, Commuter Rail at least is fairly reliable within 10-15 minutes.
No car
No other option
Novartis pays for the MBTA pass and a remaining \$41 can be spent on parking on the odd times I need it.
Preferable to driving.
Public transportation from Watertown would take as long, if not longer, than driving. Plus with 2 small kids, I do drop off in the morning and need to be able to leave quickly if one is sick or something.
Reduce use of own car when possible.
Road traffic in Cambridge.
Save gas and driving in Winter.
Saves approximately 30-45 minutes per day compared to the fastest public transportation.
Spouse doesn't want me to drive.....
Task deadlines and p.m. appointments.

Novartis Institute PTDM Transportation Survey 2010

Temporary until I relocate to Boston.
The garage at work costs \$225 month. I'd drive again in a heartbeat never to use that piece of garbage MBTA again..EVER!!!!!!!
the MBTA is not reliable
To decrease my carbon footprint.
Too far away from public transportation
Too many variations in schedule, and 50 minutes to take public transport is too long!
Took Commuter train then subway for a year and it was a pain, limited schedule and 1.5 to 1.75 hour each way.
Train to shuttle bus
Tried public transport - took 2.5 - 3.0 hours each way!
Vacation
Varies, depending on weather. Biking is fastest!
Walking is a good exercise for me plus the weather has been great.
Was out of the country last week.
When I don't have to drive my children to school, I walk for the exercise.
Wife works in Boston.
Won't drive on the Southeast Expressway.
I would prefer to use only public transportation, but need to drive 30 minutes to get to train station. Some days it is faster to drive the whole way.

Novartis Institute PTDM Transportation Survey 2010

Number	Bus Route(s)
13	# 73
13	# CT2
11	# 85
16	# 1 or CT1
9	# 83
8	# 70
8	EZ Ride
6	# 67
6	# 77
6	# 87
5	# 62
5	# 84
4	# 64
4	# 89
4	# 70/70A
3	# 68
3	# 71
3	# 78
3	# 88
3	# 350
2	# 7
2	# 136
2	# 214/216
2	# 74/75
2	# 77/79
2	# CT2 or 47
1	# 9
1	# 36
1	# 37
1	# 44
1	# 66
1	# 74
1	# 75
1	# 76
1	# 80
1	# 86
1	# 96
1	# 99
1	# 173
1	# 220
1	# 352
1	# 411
1	# 450
1	# 136/137
1	# 211 Quincy Ctr.
1	# 220/222
1	# 51 & 1
1	# 74/73
1	# 74/75/73
1	# 76/62
1	# 83/86

Novartis	2010
Top Ten Bus Routes	
13	# 73
13	# CT2
11	# 85
16	# 1 or CT1
9	# 83
8	# 70
8	EZ Ride
6	# 67
6	# 77
6	# 87

Novartis Institute PTDM Transportation Survey 2010

1	# 84/76/62
1	# 87/88
1	Boston Express
1	C&J Coach
1	Davis Sq.
1	Mass Ave
1	Silver Line
1	SL5

Novartis Institute PTDM Transportation Survey 2010

Other Drive Alone Reasons
Contacted Cambridge Commuting Services - never got any response.
I am not driving most of the time!
I do not have a Tandem.
I need to pick up children early for after school activity.
Pick up kids at daycare.
Drop girlfriend off at Boston University first.
Public transit is not quick enough-
Driving to work takes half as much time as taking public transit.
I ride a Segway.
Very far away, I commute with spouse some days.
Have medical/ dental appointments that I wouldn't make on time.
Taking transit would more than double my commute and is very unreliable reliable!
Going to school part time in the evenings.
No parking at nearest T or bus stop!!
Allows me to get in early enough that I can exercise and still start work at an early time so I can leave earlier to limit traffic issues.
I drive alone then used public transport.
Infrequent Forge Park Line Trains after 6 PM.
I broke my shoulder recently and need the car for medical appointments before and after work.
More convenient when I am staying past 8:00 at night.
Public transit is 1.5 hours one way.
Occasionally the carpool schedule doesn't fit.
Faster than public transportation!
Scooter
Too long (50 minutes) to take the bus.
I bike alone.
I ride a scooter.
I commute to and from Maine each weekend; weekdays from Brookline.
I drive to the train station.
It saves 30 minutes each way to drive instead of taking public transportation.
I used to take public transportation but changed to driving into work. Inconsistent Commuter Rail on-time performance coupled with increases in fare and parking made me change to driving into Boston. The increases in fare and parking made it more economically feasible to drive instead of take public transportation.
Poor availability, quality and reliability of public transportation.
I resort to what is the most convenient. I would consider alternative methods a couple days per week if there was an incentive to do so. Biking although attractive is inconvenient because there is no shower in my building and would take too much time.
Only drive a few days per month when I have off-site commitments.
I ride, NOT DRIVE, alone to work!
Drive alone by bike, not car.
Convenience
Early morning meetings.
Usually have an appointment after work.
Worcester Rail Line and Redline are too unreliable.
Bus
I bike.
Propensity of MBTA to go out of its way to make things as inconvenient as possible for commuters. Also, unaffected by cold/rain.
My boyfriend works the opposite shift from me.
Take work home that is heavy and bulky.

Novartis Institute PTDM Transportation Survey 2010

I carpool when able too.
Parking Availability at Alewife is erratic, not guaranteed!
Horrible public transit from Watertown - it would take 3 times as long to get to work - if everything was running on schedule.
Need to go to school after work
I ride my bicycle.
Bus stops running after 6:15pm
The fee in parking & riding lot increase, e.g.. Alewife T station daily rate increases from \$5 to \$7

Novartis Institute PTDM Transportation Survey 2010

Commute Concerns Other
Late buses and trains.
Would like cheaper options for parking.
Sometimes it's tough to adhere to the MBTA / Commuter Rail Schedule.
Roundabout on Cambridge side of BU Bridge
NOT GREEN
The MBTA does not run on a reliable schedule. Subway service during rush hour is more like a holiday/weekend schedule rather than a proper rush hour service.
The condition of Cambridge streets, potholes and generally not well maintained.
Would like better public transit connection.
Keep up with the high capacity trains, improve on the process. It was a great idea that can be made better.
Road work on the BU Bridge slows commute. Road work on Brookline Ave. is unpredictable and therefore detours add unexpected variability to commute time.
I hate driving. I am polluting the air. I am not getting enough exercise.....
Finding parking at train station!
Takes 3 hrs. a day (to and from work)
I enjoy taking the MBTA but it takes ~1 hr vs. the 30 minutes when I drive.
Cambridge construction!!!!
Track work being done on line so commute takes a little longer. Congestion at train parking lots.
Traffic... if I need to pick up by child early!
Lack of environmental friendliness of my commute.
Finding affordable parking!
The expensive garage fees!!
Traffic within Cambridge
Environmentally unfriendly -- why are environmental concerns not even listed as an option here!? Can this be listed next time the survey is run?
Not green

1 What town/city do you currently live in?

2 What is your zipcode?

Please mark only one selection in questions 3. Through 16.

3 What is your primary work location?

- 100 Tech Sq 200 Tech Sq 300 Tech Sq 500 Tech Sq 186 Mass Ave 220 Mass Ave 250 Mass Ave 45 Sidney

4 What time do you usually arrive in the morning?

- Before 6 AM 6-7AM 7-7:30AM 7:30-8AM 8-8:30AM 8:30-9AM 9-10:00AM After 10 AM

5 What time do you usually leave in the afternoon?

- Before 4PM 4-4:30PM 4:30-5PM 5-5:30PM 5:30-6PM 6-7PM 7-8 PM After 8PM

6 How often do you vary your hours more than 30 minutes from these times?

- Never 1-2 days/mo. 1-2 days/wk 3 days/wk

7 How many hours are you scheduled for work each week?

- Less than 17 17-25 26-30 31-35 36-40 .40+

8 How long does it take you to travel to work on a typical day? (minutes one way)

- 1 to 5 6 to 10 11 to 30 31 to 45 46 to 60 61+

9 How many miles (approximately) do you travel from home to work on a typical day? (miles one way)

- 1 to 5 6 to 10 11 to 20 21 to 40 41 to 60 61 to 100+

10 How satisfied are you with your commute?

- Very Satisfied Satisfied Somewhat Satisfied Somewhat Dissatisfied Dissatisfied

Explain:

11 Please indicate how you commuted to work each day LAST WEEK, May 10 - 14, 2010 (primary mode only).

If you use more than one mode, please select the mode taken for the longest distance in your commute to work

	Mon	Tues	Wed	Thurs	Fri
a) Took public transportation the entire way	<input type="radio"/>				
b) Shared a ride then took public transportation	<input type="radio"/>				
c) Drove alone then took public transportation	<input type="radio"/>				
d) Drove alone the entire way	<input type="radio"/>				
e) Rode in a 2 person carpool	<input type="radio"/>				
f) Rode in a 3 to 6 person carpool	<input type="radio"/>				
g) Rode in a 7 or more person vanpool	<input type="radio"/>				
h) Dropped off at work, taxi, limo etc.	<input type="radio"/>				
i) Bicycled	<input type="radio"/>				
j) Walked	<input type="radio"/>				
k) Motorcycled, scootered	<input type="radio"/>				
l) Flextime, Compressed Work Week/scheduled day off	<input type="radio"/>				
m) Telecommuted (worked at home)	<input type="radio"/>				
n) Not at work (sick, vacation, jury duty, bus. trip)	<input type="radio"/>				

12 Why have you chosen your commute method?

- Convenience Cost Takes Less Time No Other Option Other Please Describe

13 How often do you use your OWN vehicle during work hours or work purposes, PER MONTH (not including your commute)?

- None 1 to 4 5 or more

14 If you drive alone or carpool where is the vehicle usually parked?

- 800 Tech Sq. 1 Cross Street On-Street On-Street Meters Private Parking University Garage Not Applicable

14a If you drive only part of the way, where is the vehicle usually parked?

- Train Station Pk 'n Ride Lot Pkg Lot/Garage Off Site On-Street Not Applicable Not Applicable

15 If you took public transit for all or part of your commute, which route(s) did you use?

- Bus Routes List #s: Red Line Green Line Orange Line Blue Line CR to Porter Sq. CR to No. Station CR to So. Station NVS Shuttle Not Applicable

15a If you drive only part of the way, what is your final travel mode?

- Public transit Walk Shuttle Not Applicable

16 Do you drive alone to work?

- Yes: 5 days/wk 1-4 days/wk No

Please answer questions 17 - 20 only if you drive alone to work some or all of the time

17 What are your reasons for driving alone to work? (select all that apply)

- a) Enjoy my privacy, prefer to drive alone
- b) Hours are irregular
- c) Need car for business
- d) Need car for errands before or after work
- e) Do not have any other option
- f) Need car in case of emergencies
- g) Difficulty finding others to carpool with
- h) Driving alone takes less time
- i) Take children to school or daycare
- j) Other modes not safe
- k) Other modes cost too much
- l) Transit schedules or routes don't work for me
- m) Public transit is not convenient
- n) Other

Please explain:

18 What concerns you most about your commute? (select all that apply)

- a) Overall travel time from home to work
- b) Cost of commute
- c) Finding a convenient parking space
- d) Congestion on streets and highways
- e) Frustration of commuting
- f) Bad weather
- g) No concerns at present
- h) Other

Please explain:

19 How likely would you be to change to public transit, ridesharing, or other commuting alternative: if the following incentives or services were available? (select one answer for each option)

Public Transit/Commuter Rail

- | | Very likely | Somewhat likely | Not likely |
|--|-----------------------|-----------------------|-----------------------|
| a) Guaranteed Ride Home program in case of emergencies | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| b) On-site information on public transit routes & schedules | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| c) Shuttle to train station/bus station | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| d) Flexible hours to accommodate public transit schedule | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| e) Additional discount on transit pass | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| f) More reliable bus service | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| g) More frequent buses or subway trains | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| h) Better public transportation service to/from my community | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| i) Zip car made available | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Carpool/Vanpool

- | | | | |
|--|-----------------------|-----------------------|-----------------------|
| j) Help finding someone with whom to carpool/vanpool | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| k) Guaranteed Ride Home program in case of emergencies | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| l) Additional preferential or reserved parking for employees who rideshare | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| m) Additional subsidies for commuters who rideshare | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| n) Cars made available for business use during the day | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| o) Vans made available for ridesharing | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Bicycle/Walk

- | | | | |
|-----------------------------------|-----------------------|-----------------------|-----------------------|
| p) Additional Bicycle storage | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| q) Additional Showers and Lockers | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

20 Please rank the commute options you would consider using instead of driving alone from 1 to 5 (1 = the highest and 5 = lowest).

	1st Choice	2nd Choice	3rd Choice	4th Choice	5th Choice	Would not consider
Carpool	<input type="radio"/>					
Bike	<input type="radio"/>					
Walk	<input type="radio"/>					
Transit	<input type="radio"/>					
Vanpool	<input type="radio"/>					

If you would like information regarding the programs offered by Novartis Institutes or enter our raffle please enter your name and work phone and check the corresponding circle.

Name: _____ Check Here for information
 Phone: _____ Check Here for raffle

Thank you for completing this survey.

May 14, 2010

Dear Colleague,

I am writing to request your help on a small but important task. Novartis is required to provide information to the City of Cambridge on the commuting practices of our employees under the *Parking and Transportation Demand Management (PTDM) Ordinance*. This information will be gathered through a survey, **starting Monday, May 17 – Friday, May 21, 2010** in which we are asking you to indicate how you **traveled to work last week May 10 – May 14, 2010**. The goal of these regulations is to measure the effectiveness of our current Transportation/Ridesharing Programs in reducing vehicle emissions and improving air quality in the city.

We must gather this information and prepare a report to the City of Cambridge, where it is used to refine and implement city parking and transportation strategies and to assess the effectiveness of Novartis transportation program.

The survey is completely anonymous and will only take about 5-7 minutes to complete, but we need you to complete it by 5:00 pm on Friday, May 21, 2010. Your timely participation is very important because the City requires that we have a response rate of **at least 60%** of our total population.

We sincerely appreciate your help with this important compliance activity. As an added incentive for filling out and returning your survey, you may enter a drawing to receive a prize. We will have two winners per day for the week of May 17th. The on-line raffle prize entry form is at the end of the survey, and will automatically be separated from your survey form.

To begin the survey click [HERE](#)

Thank you in advance for your cooperation and participation. If you have any questions with this survey, please contact Amalea Walker at 617-871-7013.

Best,
Nora