

Hurricane Sandy Transportation Survey

CALL RECORD

Record Number	Priority	Callback Date/Time
Phone Number	Interviewer ID	Interviewer Message
FIPS	Number of Attempts	Current Begin Date/Time
Respondent Number	Last Contact	Current End Date/Time
Status	Last Disposition	

Final Call Disposition

Answering Machine	Complete	Hearing Barrier	No Answer
Automated Refusal Service	Computer/Fax Tone	Incomplete	Non-residential Number
Busy Signal	Disconnected/Changed	Language Barrier	Not NYC Area Resident
Callback	Hard Refusal	No Eligible Adult	Soft Refusal
			Temporarily Disconnected

Hello, my name is _____ and I'm calling from Virginia Tech. We are conducting research regarding transportation in the ten days after the arrival of Hurricane Sandy in order to learn how major events affect the transportation system. The survey is entirely confidential and voluntary.

- A. [IF NECESSARY: I need to speak with an adult in your household (AGE 18 OR OLDER). Would that be you?]

[GO TO Q1] YES 1
NO 2

- B. May I speak with that person?

[REPEAT FIRST TWO SENTENCES OF A, GO TO Q1] YES 1
NO 2

- C. When may I call back to speak with (him/her)?

- D. Just so that I will know whom to ask for, what is (his/her) first name?

Q1. First, do you live in the New York City metropolitan area? [area includes NEW JERSEY: Bergen, Essex, Hudson, Hunterdon, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union NEW YORK: Bronx, Kings, Nassau, New York, Putnam, Queens, Richmond, Rockland, Suffolk, Westchester PENNSYLVANIA: Pike]

YES 1
NO [GO TO END1] 2
DK/RF [GO TO END1] 3

Q2. Do you commute from home to work at least once per week?

YES [GO TO Q3] 1
NO 2
DK/RF 3

**End1: I'm sorry, our study requires that we speak only with individuals living in the New York City metropolitan area who commute to work at least once per week.
Thank you very much for your time.**

Q3. What transportation do you normally use to commute to work

CHOOSE ALL THAT APPLY
car, driving alone? 1
carpool or vanpool with one other person? 2
carpool or vanpool with two or more other people? 3
the New York City (MTA) bus? 4
the New Jersey Transit bus? 5
Another bus? 6
The New York City subway (MTA)? 7
PATH rail? 8
The Long Island Railroad? 9
The New Jersey Transit rail? 10
Metro North rail? 11
Another rail system? 12
Ferry? 13
Bicycle? 14
Walking? 15
Taxi? 16
or do you commute in some other way? (Please specify: _____) 17
DK/RF 18

Q4. [IF ONLY ONE OPTION IS SELECTED IN Q3, GO TO Q5] Which form of transportation do you spend most of your commute time on?

- CAR, DRIVING ALONE 1
- CARPOOL OR VANPOOL WITH ONE OTHER PERSON 2
- CARPOOL OR VANPOOL WITH TWO OR MORE OTHER PEOPLE 3
- THE NEW YORK CITY (MTA) BUS 4
- THE NEW JERSEY TRANSIT BUS 5
- ANOTHER BUS 6
- THE NEW YORK CITY SUBWAY (MTA) 7
- PATH RAIL 8
- THE LONG ISLAND RAILROAD 9
- THE NEW JERSEY TRANSIT RAIL 10
- METRO NORTH RAIL 11
- ANOTHER RAIL SYSTEM 12
- FERRY 13
- BICYCLE 14
- WALKING 15
- TAXI 16
- OTHER 17
- DK/RF 18

Q5. What time do you normally leave home to commute to work?

- 5 AM OR EARLIER 1
- 5:01 AM TO 5:30 AM 2
- 5:30 AM TO 6:00 AM 3
- 6:01 AM TO 6:30 AM 4
- 6:31 AM TO 7:00 AM 5
- 7:01 AM TO 7:30 AM 6
- 7:31 AM TO 8:00 AM 7
- 8:01 AM TO 8:30 AM 8
- 8:31 AM TO 9:00 AM 9
- 9:01 AM TO 9:30 AM 10
- AFTER 9:30 AM 11
- DK/RF 12

Q6. How much total time does your normal commute from home to work take, from the time you leave your home to the time that you arrive at your workplace?

- 30 MINUTES OR LESS 1
- 31 TO 45 MINUTES 2
- 46 TO 60 MINUTES 3
- 61 TO 75 MINUTES 4
- 76 TO 90 MINUTES 5
- MORE THAN 90 MINUTES 6
- DK/RF 7

Q7. How much does your one-way commuting trip from home to work normally cost, including parking, tolls, and other fees but not including gas?

- \$5.00 OR LESS 1
- \$5.01 TO \$10.00 2
- \$10.01 TO \$15.00 3
- \$15.01 TO \$20.00 4
- \$20.01 TO \$25.00 5
- \$25.01 TO \$30.00 6
- MORE THAN \$30.00 7
- DK/RF 8

Q8. What time do you normally leave work to commute to home?

- 3:00 PM OR EARLIER 1
- 3:01 PM TO 3:30 PM 2
- 3:30 PM TO 4:00 PM 3
- 4:01 PM TO 4:30 PM 4
- 4:31 PM TO 5:00 PM 5
- 5:01 PM TO 5:30 PM 6
- 5:31 PM TO 6:00 PM 7
- 6:01 PM TO 6:30 PM 8
- 6:31 PM TO 7:00 PM 9
- 7:01 PM TO 7:30 PM 10
- AFTER 7:30 PM 11
- DK/RF 12

Q9. How much total time does your normal commute from work to home take, from the time you leave work to the time that you arrive at your home?

- 30 MINUTES OR LESS 1
- 31 TO 45 MINUTES 2
- 46 TO 60 MINUTES 3
- 61 TO 75 MINUTES 4
- 76 TO 90 MINUTES 5
- MORE THAN 90 MINUTES 6
- DK/RF 7

Q10. Does your employer normally make telecommuting or working at your home instead of at the location of your employer available to you at least once per week?

- YES 1
- NO 2
- DK/RF 3

Q11. Does your employer normally make flexible start times and flexible end times available to you at least once per week?

- NO 1
- YES, FLEXIBLE START TIMES ONLY 2
- YES, FLEXIBLE END TIMES ONLY 3
- YES, FLEXIBLE START AND END TIMES 4
- DK/RF 5

Q11a-d. [added aftr pre-test] Which if any of the following impacts did Hurricane Sandy have on your commuting between your home and your workplace...

- increased length of time it took to travel between work and home on at least 1 day (max add time 1 way ___) 1
- increased cost of your commute between work and home on at least 1 day (max add cost ___) 2
- made you late for work on at least 1 day (min late ___) 3
- increased the distance you had to commute on at least 1 day (max add miles 1 way ___) 4

Q12. Hurricane Sandy hit the New York City metropolitan area on Monday, October 29, 2012. Did the Hurricane affect your work schedule?

- YES, I WORKED THAT DAY DUE TO THE HURRICANE BUT WAS NOT SCHEDULED TO 1
- YES, I DID NOT WORK THAT DAY DUE TO THE HURRICANE 2
- YES, I WORKED, BUT NOT MY NORMALLY SCHEDULED TIME 3
- NO, I WAS NOT SCHEDULED TO WORK AND DID NOT WORK [GO TO Q14] 4
- DK/RF [GO TO Q14] 5

Q13. On what day did you return to your normal work schedule and location after October 29th?

- TUESDAY, OCTOBER 30TH 1
- WEDNESDAY, OCTOBER 31ST 2
- THURSDAY, NOVEMBER 1ST 3
- FRIDAY, NOVEMBER 2ND 4
- SATURDAY, NOVEMBER 3RD 5
- SUNDAY, NOVEMBER 4TH 6
- MONDAY, NOVEMBER 5TH 7
- TUESDAY, NOVEMBER 6TH 8
- WEDNESDAY, NOVEMBER 7TH 9
- THURSDAY, NOVEMBER 8TH 10
- FRIDAY, NOVEMBER 9TH 11
- SATURDAY, NOVEMBER 10TH OR LATER (Please specify date: MM/DD) 12
- DK/RF 13

Q14. Between October 29th and the day that you returned to your normal work schedule and location, how many days did you telecommute, working at your home instead of at the location of your employer, including October 29th if you telecommuted that day?

- NONE, 0 DAYS 1
- 1 DAY 2
- 2 DAYS 3
- 3 DAYS 4
- 4 DAYS 5
- 5 DAYS 6
- 6 DAYS 7
- 7 DAYS 8
- 8 OR MORE DAYS 9
- DK/RF 10

Q15. During the days that you did not work your normal schedule and at your normal location was...

your work closed or your normal work hours changed? 1

your home damaged? 2

the daycare or school closed for children in your household? [OPTION OF NO CHILDREN IN HOME (4)] 3

were bridges, tunnels, or roads you use to commute to work closed? 4

was the transit you use to commute to work closed? 5

were there any other factors that influenced your work activities during that time (Please specify: _____) 6

DK/RF 7

Q16. On October 30th, the day after the hurricane, almost no public transit was available. Did a lack of public transit on October 30th...

prevent you from going to work? 1

cause you to drive or carpool to work when you normally would not? 2

cause you to take a taxi to work when you normally would not? 3

cause you to bicycle or walk to work when you normally would not? 4

not affect your transportation to work? 5

or cause you to change your transportation in a different way (please specify: _____) 6

DK/RF 7

Q17. How long did you alter your commute pattern as a result of the disruptions or recovery measures associated with Hurricane Sandy?

- DID NOT ALTER COMMUTE PATTERN 1
- 1 DAY OR LESS 2
- 2 DAYS 3
- 3 DAYS 4
- 4 DAYS 5
- 5 DAYS 6
- 6 DAYS 7
- 7 DAYS 8
- 8 TO 14 DAYS 9
- 15 TO 21 DAYS 10
- MORE THAN 21 DAYS BUT NOW BACK TO PRE-HURRICANE PATTERN 11
- MORE THAN 21 DAYS, DO NOT EXPECT THAT IT WILL RETURN TO PRE-HURRICANE PATTERN 12
- DK/RF 13

Q18. Was your commute or transportation affected in any way by...

- the closure of the Hugh L. Carey, Holland, or Queens Midtown tunnels? 1
- carpool restrictions at the Lincoln Tunnel, Brooklyn, Manhattan, Queensboro, and Williamsburg bridges? 2
- gasoline purchase restriction policies? 3
- taxi policies multiple independent riders and allowance of all for-hire vehicles to pick up passengers? 4
- delays or crowding on roads or transit? 5
- temporary suspension of PATH rail service? 6
- service disruptions of New York City subway or bus service (MTA)? 7
- service disruptions on the Long Island Railroad (LIRR)? 8
- Service disruptions on the Metro-North Railroad (MNRR)? 9
- Service disruptions on the New Jersey Transit bus or rail? 10
- DK/RF 11

**IF Q18 OPTION NOT SELECTED, NEXT OPTION IS ASKED
IF Q18 OPTION SELECTED, Q 19 ASKED**

Q19. Did [INSERT Q18.1-Q18.10, IF SELECTED] cause you at any point to...

- spend the night closer to your place of employment? 1
- not go to work? 2
- change your commuting time to leave home early? (Please specify how much earlier: ____MIN) 3
- change your commuting time to leave home late? (Please specify how much later: ____MIN) 4
- change your commuting time to leave work early? (Please specify how much earlier: ____MIN) 5
- change your commuting time to leave work late? (Please specify how much earlier: ____MIN) 6
- change your type of transportation for your commute (Please specify: _____) 7
- change the route you usually take (Please specify: _____) 8
- pay more for your commute? 9
- DK/RF 10

Q20 Grid Deleted After Pre-test to Reduce Respondent Burden

Q21. Finally, we have a few questions about you. How many people age 15 or younger live in your household?

- 0 1
- 1 2
- 2 3
- 3 4
- 4 5
- 5 6
- 6 7
- 7 OR MORE 8
- DK/RF 9

Q22. What is the zip code in which you reside the majority of your time?

_____ DK/RF 99999

Q23. What is the zip code in which you work the majority of your time?

_____ DK/RF 99999

Q24. Which of the following most closely describes your occupation?

- computers, engineering, and science? 1
- construction and extraction? 2
- education, legal, community service, arts, and media? 3
- farming, fishing, and forestry? 4
- healthcare-related? 5
- installation, maintenance, and repair? 6
- management, business, and financial? 7
- military? 8
- office and administrative support? 9
- production? 10
- sales-related? 11
- transportation and material moving? 12
- or another occupation (Please specify: _____)? 13
- DK/RF 14

Q25. What was your approximate household income in 2011?

- Less than \$10,000 1
- \$10,000 but less than \$25,000 2
- \$25,000 but less than \$50,000 3
- \$50,000 but less than \$75,000 4
- \$75,000 but less than \$100,000 5
- \$100,000 but less than \$150,000 6
- \$150,000 but less than \$200,000 7
- \$200,000 or more? 8
- DK/RF 9

Q26. Is English your first language?

- YES 1
- NO 2
- DK/RF 3

Q27. In what year were you born?

DK/RF 9999

Q28. Were you born in the United States?

- YES 1
- NO 2
- DK/RF 3

Q29. What is the highest level of education that you have completed?

- LESS THAN HIGH SCHOOL 1
- HIGH SCHOOL GRADUATE OR GED 2
- POST HIGH SCHOOL TRADE OR VOCATIONAL CERTIFICATION 3
- SOME COLLEGE OR ASSOCIATES DEGREE 4
- COLLEGE GRADUATE 5
- POST COLLEGE GRADUATE 6
- DK/RF 7

Q30. Is there anything else you would like to tell us about how Hurricane Sandy affected your commuting?

Q31. GENDER

IF YOU CAN'T TELL THE GENDER OF THE RESPONDENT, ASK: "Just one more question: our survey requires that I ask if you are male or female."

- MALE 1
- FEMALE 2

Those are all of my questions. Thank you for your help with our study. Have a nice day/evening.

INTERVIEWER IF ASKED: “ If you have questions regarding this study, you may contact Dr. Pamela Murray-Tuite (Assistant Professor, Department of Civil and Environmental Engineering, Virginia Tech), at 703-538-3764, sandystudy@vt.edu. Thank you again for your help with our study.”