

APPENDIX H

DEFINING NON RESPONSE ADJUSTMENT CELLS

H-1. VARIABLES USED TO DEFINE NONRESPONSE ADJUSTMENT CELLS FOR FULL SAMPLE

In Chapter 5 we discussed the steps in the calculation of the household and person weights for the 2001 NHTS. As mentioned in this chapter, we made adjustments to the weights for nonresponse. The nonresponse adjustment had to be done separately for each weight, because there are households that are considered as respondents for useable households (i.e., 50% or more of household adults interviewed) that are non respondents for 100% reported households. In the nonresponse adjustment, cells were formed, with a separate nonresponse adjustment factor applied for each cell. These were examined to determine where response rates differed. The variables for which response rates differed significantly are listed here. These differ for the full sample weighting and for the national sample weighting. The variables for the full sample are listed below. The variables for the national sample follow in Section H-2.

Household Interview

Address Flag (1, 2)

- 1 = Address matched to address lists
- 2 = Address not matched to address lists

Site ID (0, 1, 2, 3, 4, 5, 6, 7, 8, 9)

- 1 = Lancaster
- 2 = Baltimore
- 3 = Kentucky
- 4 = Des Moines
- 5 = Texas
- 6 = Hawaii
- 7 = Oahu
- 8 = New York
- 9 = Wisconsin
- 0 = the rest of the country

Median Home Value (1, 2, 3, 4)

- 1 = Median Home Value < Q1

- 2 = Median Home Value between Q1 and Median
- 3 = Median Home Value between Median and Q3
- 4 = Median Home Value > Q3

Percent White (1, 2)

- 1 = Percent White < Median of the Percentages
- 2 = Percent White > Median of the Percentages

Percent Hispanic (1; 2)

- 1 = Percent Hispanic < Median of the Percentages
- 2 = Percent Hispanic > Median of the Percentages

MSA Central City (0, 1, 2)

- 0 = Non-MSA
- 1 = MSA – Central City
- 2 = MSA – Non-Central City

Percent Owner Occupied Housing Unit (1; 2)

- 1 = Percent Owner Occupied < Median of the Percentages
- 2 = Percent Owner Occupied > Median of the Percentages

Census Region (1; 2; 3; 4)

- 1 = North East
- 2 = North Central
- 3 = South
- 4 = West

Percent Age 25 - 34 (1, 2)

- 1 = Percent Age 25 - 34 < Median of the Percentages
- 2 = Percent Age 25 – 34 > Median of the Percentages

Percent Black (1, 2)

- 1 = Percent Black < Median of the Percentages
- 2 = Percent Black > Median of the Percentages

Percent College Graduate (1, 2)

- 1 = Percent College Graduate < Median of the Percentages
- 2 = Percent College Graduate > Median of the Percentages

Median Household Income (1; 2)

- 1 = Median Household Income < Median of the Medians
- 2 = Median Household Income > Median of the Medians

Median Years of Education (1, 2)

- 1 = Median Years of Education < Median of the Medians
- 2 = Median Years of Education > Median of the Medians

Percent Age 65+ (1, 2)

1 = Percent Age 65 + < Median of the Percentages

2 = Percent Age 65+ > Median of the Percentages

Notes: Variables for these Household Nonrespondent Adjustment Cells are the RDD frame variables. Median of the Percentages for a particular variable refers to the median value of the set of percentages provided for that variable by the telephone sample vendor for all telephone exchanges in the country for which the vendor has data. Median of the Medians for a particular variable similarly refers to the median value of the set of median values provided for that variable by the telephone sample vendor for all telephone exchanges in the country for which the vendor has data.

Household Weighting for 100% Adults Reported Households

Address Flag (1, 2) – Frame

Site ID (0, 1, 2, 3, 4, 5, 6, 7, 8, 9) - Household interview

Number of Adults in the Household (1, 2, 3 or more) - Household interview

Household Size (1, 2, 3, 4 or more) - Household interview

Ethnicity of the Reference Person – (Hispanic/Non-Hispanic) - Household interview

Home Ownership – (Owner/Renter) - Household interview

Race of the Reference Person – (Black/Non-Black) - Household interview

Percent White (1, 2) - Frame

Percent Black (1, 2) - Frame

MSASIZE (1, 2, 3, 4, 5, 6) – Household interview

1. In an MSA (or a CMSA) less than or equal to 249,999

2. In an MSA (or a CMSA) 250,000 – 499,999

3. In an MSA (or a CMSA) 500,000 – 999,999

4. In an MSA (or a CMSA) 1,000,000 – 2,999,999

5. In an MSA (or a CMSA) greater than or equal to 3,000,000

6. Not in MSA nor in CMSA

Census Region (1, 2, 3, 4) - Household interview

Kids in the Household – (Yes or No) - Household interview

Percent Age 25-34 (1 [<median], 2 [>median]) - Frame

Median Years of Education (1, 2) - Frame

Median Household Income (1, 2) - Frame

Median Home Value (1, 2, 3, 4) – Frame

Household Weighting for at Least 50% Adults Reported Households

Address Flag (1, 2) – Frame

Site ID (0, 1, 2, 3, 4, 5, 6, 7, 8, 9) - Household interview

Percent Age 25-34 (1 [<median], 2 [>median]) – Frame

Percent White (1, 2) - Frame

Number of Adults in the Household (1, 2, 3 or more) - Household interview

Household Size (1, 2, 3, 4 or more) - Household interview
Ethnicity of the Reference Person – (Hispanic/Non-Hispanic) - Household interview
Home Ownership – (Owner/Renter) - Household interview
Race of the Reference Person – (Black/Non-Black) - Household interview
Percent Black (1, 2) - Frame
MSA Category (1, 2, 3, 4) - Household interview
 1 = MSA greater than or equal to 1 million with a rail transit system
 2 = MSA greater than or equal to 1 million with no rail transit system
 3 = MSA less than 1 million population
 4 = Non-MSA
MSASIZE (1, 2, 3, 4, 5, 6) – Household interview
 1. In an MSA (or a CMSA) less than or equal to 249,999
 2. In an MSA (or a CMSA) 250,000 – 499,999
 3. In an MSA (or a CMSA) 500,000 – 999,999
 4. In an MSA (or a CMSA) 1,000,000 – 2,999,999
 5. In an MSA (or a CMSA) greater than or equal to 3,000,000
 6. Not in MSA nor in CMSA
Census Region (1, 2, 3, 4) - Household interview
Percent Age 65+ (1 [<median], 2 [>median]) - Frame
Median Years of Education (1, 2) - Frame

Person Weighting for 100% Adults Reported Households

Address Flag (1, 2) – Frame
Site ID (0, 1, 2, 3, 4, 5, 6, 7, 8, 9) - Household interview
Number of Adults in the Household (1, 2, 3 or more) - Household interview
Household Size (1, 2, 3, 4 or more) - Household interview
Home Ownership – (Owner/Renter) - Household interview
Race of the Reference Person – (Black/Non-Black) - Household interview
MSA Category (1, 2, 3, 4) - Household interview
Home Type – (Detached Single House/Other) - Household interview
Census Region (1, 2, 3, 4) - Household interview
Number of Vehicles in the Household (0, 1, 2 or more) - Household interview
Median Years of Education (1, 2) - Frame
Kids in the Household (Yes/No) - Household interview
Median Income (1, 2) - Frame
Age Category (1, 2, 3) - Household interview

Person Weighting for at Least 50% Adults Reported Households

Address Flag (1, 2) – Frame

Site ID (0, 1, 2, 3, 4, 5, 6, 7, 8, 9) - Household interview

MSASIZE (1, 2, 3, 4, 5, 6) – Household interview

1. In an MSA (or a CMSA) less than or equal to 249,999

2. In an MSA (or a CMSA) 250,000 – 499,999

3. In an MSA (or a CMSA) 500,000 – 999,999

4. In an MSA (or a CMSA) 1,000,000 – 2,999,999

5. In an MSA (or a CMSA) greater than or equal to 3,000,000

6. Not in MSA nor in CMSA

Number of Adults in the Household (1, 2, 3 or more) - Household interview

Household Size (1, 2, 3, 4 or more) - Household interview

Home Ownership – (Owner/Renter) - Household interview

Race of the Reference Person – (Black/Non-Black) - Household interview

MSA Category (1, 2, 3, 4) - Household interview

Home Type – (Detached Single House/Other) - Household interview

Census Region (1, 2, 3, 4) - Household interview

Number of Vehicles in the Household (0, 1, 2 or more) - Household interview

Median Years of Education (1, 2) - Frame

Sex (Male/Female) - Household interview

Age Category (1, 2, 3) - Household interview

Median Home Value (1; 2) – Frame

H-2. VARIABLES USED TO DEFINE NONRESPONSE ADJUSTMENT CELLS FOR NATIONAL SAMPLE

Household Interview

Median Home Value (1, 2, 3, 4)

- 1 = Median Home Value < Q1
- 2 = Median Home Value between Q1 and Median
- 3 = Median Home Value between Median and Q3
- 4 = Median Home Value > Q3

Percent White (1, 2)

- 1 = Percent White < Median of the Percentages
- 2 = Percent White > Median of the Percentages

Percent Hispanic (1; 2)

- 1 = Percent Hispanic < Median of the Percentages
- 2 = Percent Hispanic > Median of the Percentages

MSA Central City (0, 1, 2)

- 0 = Non-MSA
- 1 = MSA – Central City
- 2 = MSA – Non-Central City

Percent Owner Occupied Housing Unit (1; 2)

- 1 = Percent Owner Occupied < Median of the Percentages
- 2 = Percent Owner Occupied > Median of the Percentages

Census Region (1; 2; 3; 4)

- 1 = North East
- 2 = North Central
- 3 = South
- 4 = West

Percent Age 25 - 34 (1, 2)

- 1 = Percent Age 25 - 34 < Median of the Percentages
- 2 = Percent Age 25 – 34 > Median of the Percentages

Percent Black (1, 2)

- 1 = Percent Black < Median of the Percentages
- 2 = Percent Black > Median of the Percentages

Percent College Graduate (1, 2)

- 1 = Percent College Graduate < Median of the Percentages
- 2 = Percent College Graduate > Median of the Percentages

Median Household Income (1; 2)

1 = Median Household Income < Median of the Medians

2 = Median Household Income > Median of the Medians

Median Years of Education (1, 2)

1 = Median Years of Education < Median of the Medians

2 = Median Years of Education > Median of the Medians

Percent Age 65+ (1, 2)

1 = Percent Age 65 + < Median of the Percentages

2 = Percent Age 65+ > Median of the Percentages

Notes: Variables for these Household Nonrespondent Adjustment Cells are the RDD frame variables. Median of the Percentages for a particular variable refers to the median value of the set of percentages provided for that variable by the telephone sample vendor for all telephone exchanges in the country for which the vendor has data. Median of the Medians for a particular variable similarly refers to the median value of the set of median values provided for that variable by the telephone sample vendor for all telephone exchanges in the country for which the vendor has data.

Household Weighting for at Least 50% Adults Reported Households

Number of Adults in the Household (1, 2, 3 or more) - Household interview

Household Size (1, 2, 3, 4 or more) - Household interview

Ethnicity of the Reference Person – (Hispanic/Non-Hispanic) - Household interview

Home Ownership – (Owner/Renter) - Household interview

Race of the Reference Person – (Black/Non-Black) - Household interview

Percent Black (1, 2) - Frame

MSA Category (1, 2, 3, 4) - Household interview

1 = MSA greater than or equal to 1 million with a rail transit system

2 = MSA greater than or equal to 1 million with no rail transit system

3 = MSA less than 1 million population

4 = Non-MSA

Home Type – (Detached Single/Other) - Household interview

Census Region (1, 2, 3, 4) - Household interview

Percent Age 65+ (1, 2) - Frame

Number of Vehicles in the Household (0, 1, 2 or more) - Household interview

Median Years of Education (1, 2) - Frame

Median Home Value (1, 2, 3, 4) - Frame

Percent Hispanic (1, 2) - Frame

Household Weighting for 100% Adults Reported Households

Number of Adults in the Household (1, 2, 3 or more) - Household interview

Household Size (1, 2, 3, 4 or more) - Household interview

Ethnicity of the Reference Person – (Hispanic/Non-Hispanic) - Household interview

Home Ownership – (Owner/Renter) - Household interview
Race of the Reference Person – (Black/Non-Black) - Household interview
Percent White (1, 2) - Frame
Percent Black (1, 2) - Frame
MSA Category (1, 2, 3, 4) – Household interview
 1 = MSA greater than or equal to 1 million with a rail transit system
 2 = MSA greater than or equal to 1 million with no rail transit system
 3 = MSA less than 1 million population
 4 = Non-MSA
Home Type – (Detached Single/Other) - Household interview
Census Region (1, 2, 3, 4) - Household interview
Kids in the Household – (Yes or No) - Household interview
Percent Age 65+ (1 [<median], 2 [>median]) - Frame
Number of Vehicles in the Household (0, 1, 2 or more) - Household interview
Median Years of Education (1, 2) - Frame
Median Household Income (1, 2) - Frame
Median Home Value (1, 2, 3, 4) - Frame

Person Weighting – All Options

Number of Adults in the Household (1, 2, 3 or more) - Household interview
Household Size (1, 2, 3, 4 or more) - Household interview
Ethnicity of the Reference Person – (Hispanic/Non-Hispanic) - Household interview
Home Ownership – (Owner/Renter) - Household interview
Race of the Reference Person – (Black/Non-Black) - Household interview
MSA Category (1, 2, 3, 4) - Household interview
Home Type – (Detached Single House/Other) - Household interview
Census Region (1, 2, 3, 4) - Household interview
Number of Vehicles in the Household (0, 1, 2 or more) - Household interview
Median Years of Education (1, 2) - Frame
Kids in the Household (Yes/No) - Household interview
Percent College graduates (1, 2) - Frame
Sex (Male/Female) - Household interview
Median Income (1, 2) - Frame
Age Category (1, 2, 3) - Household interview
Median Home Value (1; 2) - Frame