2012 Marion County Needs Assessment Questionnaire

From June 1 to September 12, 2012 a random sample telephone survey was conducted among 5013 Marion County residents.  The purpose of the survey was to assess community health needs. Most survey questions were taken from standard instruments, including the CDC’s Behavioral Risk Factor Surveillance System questionnaire and the National Health Interview Survey. 5013 adults answered the survey. 1348 respondents had at least on child between 5 to under 18 years old in their households, and answered questions about that child’s health. For each question, the percents given are percent of those who answered the question, excluding those who answered “Don’t know” or refused to answer. Less than 5% of respondents answered “Don’t know” or refused to answer each question, except where noted. The sum of percents for all responses for a question may differ slightly from 100%, due to rounding.

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# Respondent Characteristics

The first several questions verify that the households in Marion County[[1]](#endnote-1), randomly select an adult from the household[[2]](#endnote-2), and make sure, if the interview is being done by cell phone, that the respondent is not driving.[[3]](#endnote-3)

Question est. % 95% Confidence Interval

Respondent’s gender, per interviewer’s perception[[4]](#endnote-4)

Male 45 43.2 - 47.5

Female 55 52.5 - 56.8

Respondent is 30 years old or older.[[5]](#endnote-5) 77 75.1 - 78.9

Respondent age range[[6]](#endnote-6)

18-24 13 11.9 - 15.1

25-30 11 9.7 - 12.6

31-45 28 25.9 - 30.0

46-64 34 32.4 - 36.5

65+ 13 12.0 - 14.1

# Household composition

Question est. % 95% Confidence Interval

Total number of persons in household[[7]](#endnote-7)

1 15.8 14.2 - 17.5

2 29.5 27.6 - 31.4

3 19.2 17.5 - 20.8

4 or more 35.5 33.4 - 37.6

 Persons

Average number of persons per household 3.1 3.0 - 3.1

Average number of persons per household, by age range

 Age 0-17 years Age 18-64 years Age 65 or older

Average 0.9 0.8 - 1.0 1.8 1.8 - 1.9 0.3 0.3 - 0.3

Percent of households by number of household members within each age group

Age number of household members within age group[[8]](#endnote-8)
Group (percent of households, ±95% confidence interval)

(years) 0 1 2 3 4 or more

0-17 55.8 ±2.2 16.1 ±1.7 16.2 ±1.7 7.5 ±1.2 4.3 ±1.0

18-64 10.4 ±1.0 26.2 ±2.0 42.3 ±2.2 14.6 ±1.6 6.5 ±1.0

65+ 79.2 ±1.5 13.6 ±1.3 7.0 ±0.8 0.2 ±0.2 0.0 ±0.0

# Questions about child

The following information is about a randomly selected 5 to 17 year old child in the household, for households with any child in that age range.[[9]](#endnote-9) The results are weighted to represent all resident 5 to 17 year olds in Marion County. 1348 respondents, representing 38% of Marion County households, reported having at least one 5 to 17 year old househould member.

Question est. % 95% Confidence Interval

## Child’s Demographics

Respondent is child’s primary caregiver[[10]](#endnote-10) 79 74.8 - 83.6

Child’s age (in years)[[11]](#endnote-11)

5-8 yrs old 32 27.5 - 35.7

9-13 yrs old 38 33.6 - 42.6

14-17 yrs old 30 25.9 - 34.7

Child’s Gender[[12]](#endnote-12)

Male 51 46.4 - 55.6

Female 49 44.4 - 53.6

Child body mass category[[13]](#endnote-13)

Underweight 5.7 3.7 - 7.8

Normal weight 44 39.0 - 49.5

At risk of overweight 19 15.3 - 23.7

Overweight 31 25.1 - 36.1

\*Note: 342 (25.4%) of the 1348 responses to that question were 'don’t know' or 'refused.'

## Health care

Child has health care coverage[[14]](#endnote-14) 94 91.8 - 95.7

Type of heath care coverage, among those with any coverage[[15]](#endnote-15)

Medicaid 52 46.9 - 56.6

Private insurance 33 29.0 - 37.8

HMO 5.8 4.0 - 7.7

Other health insurance 9.1 6.4 - 11.7

Does child have a personal health care provider?[[16]](#endnote-16)

No 10 7.4 - 13.0

Yes, one 82 78.4 - 85.3

Yes, more than one 8.0 5.8 - 10.2

Child had routine dental visit within 1 year[[17]](#endnote-17) 83 79.8 - 86.5

## Health conditions

Percent of children ever diagnosed with …[[18]](#endnote-18)

Asthma (currently diagnosed) 20 16.1 - 24.7

High blood pressure or hypertension 1.0 0.2 - 1.7

Diabetes or pre-diabetes 2.3 -0.8 - 5.5

Depression or anxiety problems 9.6 5.8 - 13.3

ADD or ADHD 16 12.3 - 18.8

Other medical condition 17 12.8 - 21.0

Percent of children by number of notable medical conditions[[19]](#endnote-19)

No to all medical conditions 58 53.6 - 62.9

Yes to one medical condition 26 22.3 - 30.3

Yes to more than one medical condition 15 11.4 - 19.6

Number of emergency room visits by the child in the past 12 months[[20]](#endnote-20)

0 75 71.0 - 78.8

1 18 14.9 - 22.1

2 4.4 2.7 - 6.1

3 or more 2.2 1.1 - 3.4

 Visits

Average number of visits 0.4 0.3 - 0.4

## Activity, smoke exposure

Child’s hours of screen viewing on an average school day (not including schoolwork)[[21]](#endnote-21)

0 2.7 1.5 - 3.9

1 9.1 6.8 - 11.4

2 24 19.7 - 27.3

3 22 18.8 - 25.8

4 17 13.4 - 20.8

5 9.6 7.1 - 12.0

6 6.5 4.5 - 8.5

7 or 8 6.0 3.8 - 8.2

9 or more 3.3 1.4 - 5.1

 hours

Average number of hours 3.6 3.4 - 3.8

Question est. % 95% Confidence Interval

Child is active at least 60 minutes per day[[22]](#endnote-22) 95 93.8 - 96.6

Someone smokes in the home[[23]](#endnote-23) 17 12.9 - 20.3

# Neighborhood Environment

Usual mode of travel[[24]](#endnote-24)

Walking 6.3 5.0 - 7.6

Bicycle 1.2 0.7 - 1.7

Private vehicle 87 85.7 - 88.9

Public transportation 5.2 4.2 - 6.2

Degree of agreement with the following statements:[[25]](#endnote-25)

“I feel safe in my neighborhood.”[[26]](#endnote-26)

Strong agree 58 55.9 - 60.2

Somewhat agree 34 31.5 - 35.6

Neither agree/disagree 1.4 0.9 - 1.8

Somewhat disagree 4.3 3.5 - 5.2

Strong disagree 2.7 2.0 - 3.3

“People in my neighborhood are willing to help each other.”[[27]](#endnote-27)

Strong agree 42 39.8 - 44.1

Somewhat agree 37 35.0 - 39.2

Neither agree/disagree 7.5 6.3 - 8.7

Somewhat disagree 7.4 6.3 - 8.5

Strong disagree 6.1 5.0 - 7.2

In my neighborhood, there are many vacant, abandoned, or rundown properties.”[[28]](#endnote-28)

Strong agree 12 10.5 - 13.4

Somewhat agree 13 11.9 - 14.8

Neither agree/disagree 2.3 1.7 - 3.0

Somewhat disagree 15 13.6 - 16.6

Strong disagree 57 55.1 - 59.4

Neighborhood has sidewalks[[29]](#endnote-29) 75 72.8 - 76.4

Sidewalks are in good condition (where there are sidewalks)[[30]](#endnote-30) 86 83.8 - 87.3

Sidewalks are lit at night[[31]](#endnote-31) 77 74.5 - 78.6

Sidewalks connect to major streets or neighborhoods[[32]](#endnote-32) 72 69.6 - 74.3

Within a 10 minute walk from your home, is there a …[[33]](#endnote-33)

Full Service Grocery or Supermarket 54 52.3 - 56.6

Community Center or Library 33 30.5 - 34.6

Park, Greenway or Playground 67 64.6 - 68.7

Bus stop or other public transportation 76 73.8 - 77.2

# Food

Question est. % 95% Confidence Interval

Usual type of food shopping store[[34]](#endnote-34)

Supermarket or Grocery Store 70 68.2 - 72.2

Discount Store (Costco, Wal-mart, ...) 27 24.7 - 28.7

Convenience Store (Speedway, CVS, ...) 0.4 0.2 - 0.7

Ethnic Store (Bodega, Asian Market, ...) 2.2 1.5 - 2.8

Dollar Store 0.5 0.2 - 0.9

Number of fast food snacks or meals in past week[[35]](#endnote-35)

0 28 26.4 - 30.2

1 24 22.1 - 25.7

2 20 18.0 - 21.8

3 12 10.8 - 13.7

4 5.5 4.6 - 6.5

5-7 8.4 7.2 - 9.6

8 or more 1.7 1.2 - 2.3

Average number of fast food snacks or meals 1.9 1.8 - 2.0

Looks for nutrition information at restaurants[[36]](#endnote-36)

Yes, all or most of the time 27 25.3 - 28.9

Yes, some of the time 23 21.2 - 24.8

No 50 47.8 - 52.1

Household food situation in past 12 months[[37]](#endnote-37)

Could always afford enough food to eat 73 71.3 - 75.2

Sometimes couldn't afford enough food to eat 22 19.8 - 23.4

Often couldn't afford enough food to eat 5.2 4.2 - 6.2

Food support used in past 12 months[[38]](#endnote-38)

Community kitchen 3.5 2.6 - 4.4

Food pantry 12 10.1 - 13.0

SNAP (food stamps) 23 21.5 - 25.3

WIC 7.5 6.3 - 8.7

# General health

Question est. % 95% Confidence Interval

Respondent’s general health[[39]](#endnote-39)

Excellent 23 20.8 - 24.4

Good 47 45.2 - 49.6

Fair 23 21.4 - 25.1

Poor 5.6 4.6 - 6.5

Very poor 1.2 0.8 - 1.5

Days in the past month with poor physical or mental health, or restricted activities due to poor health

 poor poor restricted
 physical health[[40]](#endnote-40) mental health[[41]](#endnote-41) activity[[42]](#endnote-42)

 95% 95% 95%
 Confidence Confidence Confidence
Days Percent Interval Percent Interval Percent Interval

0 60 57.7 - 61.9 59 56.8 - 61.1 57 54.1 - 59.5

1 6.1 5.0 - 7.1 3.4 2.7 - 4.1 4.8 3.7 - 5.9

2 7.5 6.5 - 8.6 6.2 5.2 - 7.2 5.9 4.5 - 7.2

3 4.4 3.5 - 5.4 3.0 2.3 - 3.7 4.5 3.2 - 5.8

4-5 days 4.4 3.5 - 5.3 6.5 5.5 - 7.6 5.6 4.3 - 6.8

6-9 days 2.8 2.1 - 3.5 3.7 2.9 - 4.6 4.1 3.0 - 5.2

10-19 days 6.0 4.9 - 7.1 8.7 7.4 - 9.9 9.1 7.6 - 10.7

20-29 days 2.6 1.9 - 3.3 3.2 2.5 - 3.9 3.6 2.6 - 4.6

entire month 6.3 5.4 - 7.2 6.3 5.3 - 7.4 5.6 4.5 - 6.7

 Days Days Days

Average 4.0 3.6 - 4.3 4.5 4.1 - 4.8 4.5 4.1 - 4.9

Question est. % 95% Confidence Interval

Need special medical equipment[[43]](#endnote-43) 12 10.6 - 13.1

Screen hours per day, not including work[[44]](#endnote-44)

0 3.0 2.3 - 3.8

1 16 14.4 - 17.5

2 23 21.4 - 24.9

3 18 16.7 - 20.0

4 15 13.1 - 16.2

5 8.2 7.1 - 9.4

6 5.5 4.5 - 6.5

7 or 8 5.1 4.1 - 6.0

9 or more 6.0 4.7 - 7.3

 Hours

Average number of screen hours 3.7 3.5 - 3.9

Question est. % 95% Confidence Interval

Did physical activity in past month, not including work[[45]](#endnote-45) 73 71.1 - 75.1

Body mass category[[46]](#endnote-46)

Underweight 1.4 0.9 - 2.0

Normal 31 29.2 - 33.4

Overweight 34 32.4 - 36.6

Obese 27 24.8 - 28.7

Morbidly obese 6.1 5.1 - 7.0

\*Note: 254 (5.1%) of the 4955 responses to that question were 'don’t know' or 'refused.'

# Physical activity, work wellness

The following items address “moderate physical activities”, which are activities that increase a person’s breathing or heart rate, such as walking, bicycling, vacuuming, or gardening.

Question est. % 95% Confidence Interval

Ever do at least 10 minutes of moderate activities[[47]](#endnote-47) 81 79.6 - 83.1

Days per week with at least 10 minutes of moderate activity[[48]](#endnote-48)

1 or 0 days 3.6 2.6 - 4.7

2 9.5 8.2 - 10.9

3 17 15.5 - 18.9

4 13 11.8 - 15.0

5 17 15.4 - 18.9

6 5.5 4.4 - 6.5

7 34 31.3 - 35.9

 Days

Average number of days 4.8 4.7 - 4.9

Question est. % 95% Confidence Interval

Time per day doing moderate activity[[49]](#endnote-49)

0 to under 15 minutes 4.1 3.2 - 5.0

15 to under 20 minutes 4.5 3.6 - 5.5

20 to under 30 minutes 9.7 8.3 - 11.1

30 to under 45 minutes 22 20.2 - 24.1

45 minutes to under 1 hour 4.8 3.7 - 5.9

1 hour to under 2 hours 29 26.8 - 31.0

2 hours to under 3 hours 17 14.9 - 18.9

3 hours or more 8.8 7.5 - 10.2

 Minutes

Average number of minutes 66 63.8 - 68.3

Question est. % 95% Confidence Interval

Employment status[[50]](#endnote-50)

Employed for wage/self-empld 56 54.0 - 58.2

Out of work 10 9.1 - 11.8

Unable to work 8.7 7.6 - 9.8

Homemkr/studnt 9.1 7.9 - 10.2

Retired 16 14.2 - 17.2

Usual activity during employment[[51]](#endnote-51)

Sitting or standing 55 52.6 - 58.4

Walking 25 22.7 - 27.7

Heavy labor/phys demanding work 19 16.8 - 21.8

Workplace has wellness program[[52]](#endnote-52) 54 50.9 - 56.9

\*Note: 119 (5.1%) of the 2325 responses to that question were 'don’t know' or 'refused.'

Supervisor support for workplace’s wellness program[[53]](#endnote-53)

Strongly supportive 57 52.7 - 61.2

Somewhat supportive 20 16.7 - 24.2

Neutral 20 17.2 - 23.6

Somewhat unsupportive 0.5 0.0 - 1.3

Strongly unsupportive 1.6 0.6 - 2.6

\*Note: 78 (6.5%) of the 1197 responses to that question were 'don’t know' or 'refused.'

# Health care

Question est. % 95% Confidence Interval

Have health care coverage[[54]](#endnote-54) 77 74.9 - 79.0

Have one usual healthcare provider[[55]](#endnote-55) 65 63.4 - 67.6

Did not get healthcare due to cost in past 12 months[[56]](#endnote-56) 23 21.0 - 24.8

Did not fill prescription due to cost in past 12 months[[57]](#endnote-57) 25 23.5 - 27.4

Saw dentist due to pain in past 12 months[[58]](#endnote-58) 24 21.9 - 25.7

Feels respected by health care provider[[59]](#endnote-59) 94 93.2 - 95.7

\*Note: 439 (8.8%) of the 5013 responses to that question were 'don’t know' or 'refused.'

Needs help reading medical instructions[[60]](#endnote-60)

Never 78 76.4 - 79.9

Occasionally 11 9.7 - 12.3

Sometimes 6.8 5.7 - 7.9

Frequently 1.3 0.7 - 1.9

Always 2.8 2.1 - 3.5

# Chronic disease

Ever been diagnosed with …[[61]](#endnote-61)

Heart attack, angina, or coronary heart disease 7.7 6.7 - 8.7

Respondent has current asthma diagnosis 11 9.6 - 12.1

Depression or dysthymia 21 19.4 - 22.8

Diabetes or high blood sugar 14 12.6 - 15.5

Hypertension or high blood pressure, not during pregnancy 31 28.9 - 32.8

High blood cholesterol, not during pregnancy 24 22.3 - 25.8

Percent of respondents by number of those chronic medical conditions

No to all medical conditions 41 39.1 - 43.4

Yes to one medical condition 27 24.9 - 28.6

Yes to more than one medical condition 32 30.1 - 34.0

# Health behaviors

Question est. % 95% Confidence Interval

Ever smoked cigarettes[[62]](#endnote-62) 49 47.1 - 51.4

Currently smoke[[63]](#endnote-63) 29 26.5 - 30.7

Tried to quit smoking in past year (% of current smokers)[[64]](#endnote-64) 48 44.7 - 51.2

Days drank any alcohol in past 30 days[[65]](#endnote-65)

0 49 46.7 - 51.1

1 12 10.2 - 12.9

2 8.1 6.9 - 9.3

3 4.9 3.9 - 5.8

4-5 days 8.8 7.6 - 9.9

6-9 days 3.5 2.8 - 4.2

10-19 days 7.1 6.0 - 8.2

20-29 days 3.8 3.0 - 4.6

entire month 3.4 2.6 - 4.1

 Days

Average number of days 3.8 3.5 - 4.1

Question est. % 95% Confidence Interval

Number of drinks, on days when you drink[[66]](#endnote-66)

0 0.4 0.0 - 0.8

1 38 35.4 - 40.9

2 32 29.2 - 34.7

3 14 12.2 - 16.5

4 6.0 4.6 - 7.5

5 4.1 2.9 - 5.3

6 or more 5.0 3.6 - 6.3

 Drinks

Average number of drinks 2.3 2.2 - 2.4

Question est. % 95% Confidence Interval

Days with binge drinking in past 30 days[[67]](#endnote-67)

0 71 68.2 - 73.6

1 10 8.2 - 11.8

2 5.8 4.3 - 7.2

3 2.7 1.7 - 3.6

4 2.6 1.7 - 3.6

5 2.6 1.5 - 3.7

6 or more 5.3 4.0 - 6.7

 Days

Average number of days 1.3 1.1 - 1.5

Question est. % 95% Confidence Interval

Any abuse in household in past 12 months[[68]](#endnote-68) 5.4 4.4 - 6.5

Firearm in household[[69]](#endnote-69) 22 20.1 - 23.4

Household member ever had medication addiction[[70]](#endnote-70) 3.5 2.7 - 4.2

# Demographics

Question est. % 95% Confidence Interval

Education level[[71]](#endnote-71)

Never attended school 0.4 0.1 - 0.7

Grade 1 though 8 4.3 3.4 - 5.3

Some High School 11 9.5 - 12.3

High School graduate or GED 32 29.4 - 33.6

Some college or technical school 26 24.5 - 28.4

College graduate 18 16.4 - 19.4

Post-graduate education 8.6 7.5 - 9.6

Primary household language is not English[[72]](#endnote-72) 16 13.9 - 17.4

Race and Ethnicity[[73]](#endnote-73)

White non-Latino 54 52.0 - 56.3

Black non-Latino 27 25.4 - 29.4

Latino 13 11.0 - 14.2

Asian non-Latino 0.6 0.3 - 0.9

American Indian non-Latino 0.9 0.5 - 1.4

Hawaiian/Pacific Is. non-Latino 0.1 0.0 - 0.2

Other Race/Ethnicity 1.6 1.1 - 2.2

2 or more races, non-Latino 1.8 1.2 - 2.4

Annual household income[[74]](#endnote-74)

$0 - < $10,000 9.1 7.7 - 10.5

$10,000 - < $15,000 8.0 6.8 - 9.2

$15,000 - < $20,000 12 10.1 - 13.3

$20,000 - < $25,000 14 12.5 - 16.4

$25,000 - < $35,000 14 12.2 - 15.2

$35,000 - < $50,000 14 12.3 - 15.2

$50,000 - < $75,000 12 10.8 - 13.4

$75,000 - < $100,000 7.5 6.5 - 8.5

> $100,000 9.7 8.5 - 10.9

\*Note: 611 (12.2%) of the 5013 responses to that question were 'don’t know' or 'refused.'

Household income below federal poverty guideline[[75]](#endnote-75)

No 64 62.2 - 66.7

Borderline 13 11.5 - 15.0

Yes 22 20.3 - 24.3

\*Note: 521 (10.4%) of the 5013 responses to that question were 'don’t know' or 'refused.'

# Interviewer notes

290 of 5013 interviews (5.8%) were conducted in Spanish.

1513 of 5013 respondents (30%) were contacted via cell phone. The remainder were contacted via land line phone.

# Appendix: Marion County Community Health Assessment Survey: Methods and Weighting

## Survey Purpose and Design

From June 1 to September12, 2012 a random sample telephone survey was conducted among 5013 county respondents by the Survey Research Center at IUPUI.  The purpose of the Survey was to assess community health needs for Marion County, and to better understand the health risk profile of Marion County residents.

The questionnaire was developed by the Marion County Public Health Department, in collaboration with the Community Health Assessment Steering Committee, which ranked the importance of various sections and suggested additions to the survey.  Survey items were taken from standard instruments, including the CDC’s Behavioral Risk Factor Surveillance System questionnaire and the National Health Interview Survey.

Respondents were informed at the outset of the phone call that their participation was voluntary and confidential. Each respondent was informed that they would have an opportunity to be entered for a drawing to receive a $50 Marsh Supermarkets gift card. One-hundred respondents who completed this survey and said they would be willing to receive a gift card were selected at random to receive a gift card.

The average interview lasted for approximately 16 minutes. All telephone interviews were conducted by experienced and supervised interviewers. The survey totaled about 20 minutes for the 1339 respondents in households with children aged 5-17, who answered some 18 additional items concerning a randomly selected child. The child was selected by asking the adult to refer to a child who had the most recent birthday.

The adult household member with the most recent birthday answered items related to composition of the household, neighborhood safety, neighborhood walkability, access to key services such as grocery stores and public transportation, and health care access. Survey topics also included self-reported height and weight, chronic conditions list, physical activity and health habits, mental health, unmet care needs, and demographics.

Of the 5013 interviews, 443 self-identified as Hispanic/Latino (8.84%) and 1273 self-identified as Black (25.4%). These weighted sample statistics of 46% men, and 53% women closely represent Marion County’s Census 2010 adult population (45.3% men; 54.7% women). The breakdown by age also approximate those of the county, where 24.6% of the weighted sample is between 18-29 years old (versus 25% in the 2010 Census), and 13.1% of respondents 65 and over (resembling the county’s population of 14.3%). Households with children 5 to 17 made up 34% in the weighted sample, compared to 38% of households with children 5-17 in the county population. The children’s survey was further weighted by the number of children in the household to represent the child population from 5 to less than 18 years old in Marion County.

## Sampling Frame

A random sample of landline (n=24,119) and cell phone (n= 26,981) numbers were purchased from Survey Sampling, Inc.. The cellphone sample was from cell-phone billing addresses in the county, and increased the representation of younger and minority residents, adding to the precision of subpopulation-specific analyses. County-level landline numbers were pre-screened for disconnected numbers, prior to being sent to the SRC, and came with census block group identification attached to the sample record. Interviewers asked all respondents their county of residence, whether they were over 18 years of age, and if part of a cell-phone sample, whether they were driving at the time (these were recontacted later). Eligible respondents were asked if they preferred to be interviewed in English or Spanish (290 interviews completed in Spanish; 4723 interviews in English).

These two random samples were supplemented with a landline telephone oversample of likely Latinos (n=3,228) and were purchased from Geoscape, a company specializing in sampling racial/ethnic groups across the country. They provided a sample of likely Latinos based on last name, first name and residence. Block group was also attached to all sample records for this Latino oversample.

The cell phone sample had completed surveys for 1513 respondents, an average 37.8 attempts per complete, and a response of 13.1%. The landline sample had 3300 completed surveys (23.7 attempted calls per complete) for a response rate of 22.2%. The Latino oversample had 200 completes (29.3 attempted calls per complete) with a response rate of 15.5%. The response rates respondents are standard for each population given the survey’s length. Overall, Survey Research Center interviewers dialed 141,217 times to 54,328 telephone numbers to get 5,013 completed interviews.

## Weighting of Survey Responses

Responses were weighted according to probabilities of being in the cell-phone, landline, and Latino oversample sample frames.  Analyses were performed using SAS® software procedures for analysis of data from complex, stratified surveys.

Sample design weights indicate the number of adults in Marion County each respondent to the study represents. Our sample weights adjust for the overlapping dual frame sampling design. Compositing weight adjustment factors were used to account for the fact that some adults had the potential to be sampled through both the landline and cell phone sampling frames. These calculations are based on random selection of one adult from each landline phone number (representing a household) that participated, and also allows for sharing of a single cell phone by two or more adults in the same household.

Independent cell phone and landline samples were drawn from RDD frames that overlap in their coverage. As such, some Marion County adults (i.e. those with both cell and landline phones) had the potential to be selected from more than one frame. A large portion of Marion County adults fell into this category, so we had to adjust for differential probabilities of selection based on phone service type (as well as a small oversample of the Latino population, which will be discussed later.)

Marion County’s adult population falls into four total categories:

1. **No telephone service at all.** This represents a very small portion (based on National Health Statistics Reports (NHSR) estimates, approximately 2.1%). *We were not able to make sampling adjustments for this population.*
2. **Landline service only.** This is a continuously declining group. Based on NHSR estimates and interpolation, approximately 5% of the Marion County adult population.
3. **Cell service only.** A rapidly increasing proportion of adults fall into this category. Based on NHSR estimates and interpolation, it represents 44% of the Marion County adult population.
4. **Both landline and cell service.** Adults most commonly fall into this category. Based on NHSR estimates and interpolation, approximately 49% of the Marion County adults fall into this group.

First, we focused on landline frame adjustments. We took into account the household selection probability, the number of landlines in the household, and because we randomly selected one adult from each household, the within-household selection probability. For respondents with a landline only, the combination of these calculations established their score for the survey weight.

Second, we made cell phone frame adjustments. In these calculations, we considered the phone number selection probability, and the within cell phone selection probability (i.e. the number of adults sharing the same cell phone number). For cell phone only respondents, the combination of these two probabilities established their score for the survey weight. For dual use respondents, i.e. those that had both landline and cell service, we added the two cumulative probabilities together to establish their survey weight.

Third, we accounted for our oversample of Latino respondents. We purchased a sample of landline phone numbers that had a sampling frame based on surname, first name, and geographic location. For the 200 Latino respondents that we obtained from this sample, we took the probability of selection given their geographic location’s representation of Latino residents into consideration. This means that we added this probability (based on quartiles) to the weight determined by their phone selection group: landline only or both landline and cell service.

The resulting sample weights range from 4.50 to 3181.50 with an average of 132.06. The sample weights for the landline sample range from 4.50 to 324.00 with an average of roughly 62. The cell phone weights range from 36.00 to 3181.50 with an average of 294.64. The average weights for cell phone only households are highest while the average weights for landline only households are the lowest because the sample only consisted of 1513 cell phone numbers. Often, researchers have to follow this type of sample design weight with raking procedures; however we did not have cause to do so. Analyses indicate that the sampling frame based weights effectively adjust our sample to correspond closely to Marion County’s demographic breakdown among adults.

The sample statistics closely represent Marion County’s population. The Marion County, Indiana adult population consists of 45.3% men and 54.7% women. Just over 46% of this weighted sample is men, while 53% is women. Also, the sample characteristics by age closely approximate those of Marion County overall, according to the 2010 Census data. One quarter of the Marion County adult population is between 18-29 years old while this group is 24.6% of the weighted sample. Finally, respondents 65 and over are 13.1% of the final weighted sample which resembles the Marion County percentage for this population of 14.3%.

1. Item 1: Hello, I'm calling from IUPUI to help the Marion County Public HealthDepartment conduct a study of health issues and needs in our community. We will ask over 5,000 residents about their neighborhoods, health history, and factors affecting their health. One hundred of the 5,000 people who complete this survey will receive a $50 Marsh gift card, picked randomly at the completion of the survey. First, I would like to verify that you do live in Marion County, Indiana? (If “Yes”, continue). [↑](#endnote-ref-1)
2. Item 3: For the purposes of this survey, I would like to speak with the adult in your household who has had the most recent birthday? Is this person available? [↑](#endnote-ref-2)
3. Item 4: Are you currently driving? (If “yes”, record a callback time.) [↑](#endnote-ref-3)
4. Item 5: Record respondent's gender. If unsure, "I'm sorry but I have to ask, are you a man or a woman?" [↑](#endnote-ref-4)
5. Item 6: Next, I’d like to ask you if you are 30 years old or older? [↑](#endnote-ref-5)
6. Item 88: How old are you currently? [↑](#endnote-ref-6)
7. Item 7: Please tell me how many people live in this household, including all children and anyone who normally lives here even if they are not here now, like someone who is away. [↑](#endnote-ref-7)
8. “Total” is from item 7 (“Please tell me how many people live in this household, including all children and anyone who normally lives here even if they are not here now, like someone who is away.”). “5-17” is from item 9 (“How many of these household residents are children aged 5 years to under 18 years?”). “65+” is from item 8 (“How many of these household residents are over age 65?”). “18-64” is calculated as item 2 (“How many people living in your household are 18 or older?”) minus item 8, with negative results treated as “unknown.” “0-4” is calculated as item 7 minus items 2 and 9, with negative results treated as “unknown.” [↑](#endnote-ref-8)
9. Item 10: Next, we would like to talk to you about one of your children between the ages of 5 and 17 years old. Please think about your child who has had the most recent birthday. What are this child's initials? (The initials will only be used to ask follow-up questions.) [↑](#endnote-ref-9)
10. Item 11: Are you [INITIALS]’s primary caregiver? [↑](#endnote-ref-10)
11. Item 12: How old is this child? [↑](#endnote-ref-11)
12. Item 13: Is [INITIALS] a boy or a girl? [↑](#endnote-ref-12)
13. Items 14 and 15 (“How tall is [INITIALS]?”, “How much does [INITIALS] weigh?”) were used to calculate body mass index. [↑](#endnote-ref-13)
14. Items 16: Does the child have any kind of health care coverage, including health insurance, prepaid plans such as HMOs [Health Maintenance Organizations], or government plans such as Medicaid (S-CHIP, Indiana’s Children’s Health Insurance Program known as or Hoosier Health Wise)? [↑](#endnote-ref-14)
15. Item 17: Is this health care coverage Hoosier Healthwise/Medicaid, private insurance, HMO, or something else? [↑](#endnote-ref-15)
16. Item 18: Do you have one person that you think of as [INITIALS]'s personal doctor or nurse? [↑](#endnote-ref-16)
17. Item 19: In the past 12 months, has the child seen a dentist for any routine dental care, including check-ups, screenings, and sealants? Please include all types of dentists, such as orthodontists, oral surgeons, and all other dental specialists. [↑](#endnote-ref-17)
18. Lead-in to items 20 through 26: “Now I am going to ask you about [INITIALS]’s health. I am going to read a list of conditions. Please tell me whether a doctor, nurse, or other health professional has EVER told you that [INITIALS] had any of the following ?” For asthma, responses of “yes”, where followed by the question, “Does s/he still have asthma?”
ADD = Attention Deficit Disorder

ADHD = Attention Deficit or Hyperactivity Disorder

“Other medical conditions” includes “any condition requiring additional medical care or medications than is usual for children his/her age.” [↑](#endnote-ref-18)
19. Notable health conditions include those listed above (hypertension, diabetes or pre-diabetes, depression or anxiety, ADD or ADHD, or “any condition requiring additional medical care or medications than is usual for children his/her age”). [↑](#endnote-ref-19)
20. Item 27: In the past 12 months, how many times has [INITIALS] been seen in the emergency room? [↑](#endnote-ref-20)
21. Combines item 28 (“On an average school day, how many hours does [INITIALS] watch TV?”) and item 29 (“On an average school day, how many hours does [INITIALS] play video or computer games or use a computer for something that is not school work? Include activities such as Xbox, PlayStation, Nintendo DS, iPod touch, Facebook, and the Internet.”). [↑](#endnote-ref-21)
22. Item 30: Does [INITIALS] get 60 minutes of activity per day? Include times in physical education classes, sports, active play, dance or other sports lessons, riding bike or scooter. [↑](#endnote-ref-22)
23. Item 31: Does anyone smoke inside [INITIALS] home? Please include household residents or visitors. [↑](#endnote-ref-23)
24. Item 32: In the past week, how did you get to most places you needed to go? Would you say you... [↑](#endnote-ref-24)
25. Lead-in to items 33-35: Next, I am going to read statements about your neighborhood. Please let me know if you strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree or strongly disagree. [↑](#endnote-ref-25)
26. Item 33: I feel safe in my neighborhood. Do you... [↑](#endnote-ref-26)
27. Item 34: People in my neighborhood are willing to help each other. Do you... [↑](#endnote-ref-27)
28. Item 35: In my neighborhood, there are many vacant, abandoned, or rundown properties. Do you… [↑](#endnote-ref-28)
29. Item 36: Does your neighborhood have sidewalks or paved paths? [↑](#endnote-ref-29)
30. Item 37: Could someone use the sidewalks/paths using a wheelchair, walker, stroller, or other mobility aide without difficulty? [↑](#endnote-ref-30)
31. Item 38: Are there street lights that light the sidewalks/paths at night? [↑](#endnote-ref-31)
32. Item 39: Do your sidewalks/paths connect to other major streets or neighborhoods? [↑](#endnote-ref-32)
33. Lead-in to items 40 through 43: Now I'd like you to think about the places that are within a 10 minute walk of your home. I am going to read a list of places. Please tell me whether each of them are within a 10 minute walk from your home. [↑](#endnote-ref-33)
34. Item 44: In a typical week, where do you do MOST of your shopping for food items? [↑](#endnote-ref-34)
35. Item 45: In the past 7 days how many times did you eat fast food? Include fast food meals or snacks eaten at work, at home, in the car, or at fast-food restaurants, carryout or drive through. [↑](#endnote-ref-35)
36. Item 46: Do you look for nutrition labels or symbols (like a heart symbol) on menu items at restaurants and fast food establishments? [↑](#endnote-ref-36)
37. Item 47: Which situation best describes your household over the past 12 months? [↑](#endnote-ref-37)
38. Item 48: In the past 12 months, have you or others in your household used the following services? [↑](#endnote-ref-38)
39. Item 49: Would you say that in general your health is… [↑](#endnote-ref-39)
40. Item 50: Now think about your physical health, which includes physical illness and injury. How many days during the past month was your physical health NOT good? [↑](#endnote-ref-40)
41. Item 51: Now think about your mental health, which includes stress, depression and problems with emotions. How many days during the past 30 days was your mental health NOT good? [↑](#endnote-ref-41)
42. Item 52: During the past 30 days, for about how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation? [↑](#endnote-ref-42)
43. Item 53: Do you now have any health problem that requires you to use special equipment, such as a cane, a wheelchair, a special bed, or special telephone? This includes occasional use or use in certain circumstances. [↑](#endnote-ref-43)
44. Item 54: How many hours in a day, on average, do you spend watching TV, videos, DVDs, or using the computer outside of work? [↑](#endnote-ref-44)
45. Item 55: During the past month, other than your regular job, did you participate in any physical activities or exercises, such as running, calisthenics, golf, gardening, or walking for exercise? [↑](#endnote-ref-45)
46. Items 56 and 57 (“How tall are you now without shoes?”, “How much do you weigh now without shoes?”) were used to calculate body mass index. The BMI ranges per category are: < 18.5 for Underweight, 18.5 to < 25 for Normal, 25 to < 30 for Overweight, 30 to < 30 for Obese, and 40+ for Morbidly Obese. [↑](#endnote-ref-46)
47. Item 58: Do you do moderate activities for at least 10 minutes at a time? Moderate activities include brisk walking, bicycling, vacuuming, gardening or anything else that causes some increase in your breathing or heart rate? [↑](#endnote-ref-47)
48. Item 59: How many days per week do you do these moderate activities for at least 10 minutes at a time? [↑](#endnote-ref-48)
49. Item 60: How much total time per day do you spend doing these moderate activities? Again, please do not include any time spent at work. [↑](#endnote-ref-49)
50. Item 61: Are you currently... [↑](#endnote-ref-50)
51. Item 62: Which of the following best describes what you do at work? Would you say you are... [↑](#endnote-ref-51)
52. Item 63: Does your work place have on-site policies or programs to improve employee health or wellness? [↑](#endnote-ref-52)
53. Item 64: To what degree does your immediate supervisor support your participation in on-site health and wellness programs at work? Would you say that your supervisor [READ CHOICES BELOW] of you participating in health and wellness programs at work? [↑](#endnote-ref-53)
54. Item 65: Do you have any kind of health care coverage, including health insurance, prepaid plans (such as HMOs, or government plans such as Medicare, CHAMPUS or Medicaid)? [↑](#endnote-ref-54)
55. Item 66: Do you have one person you think of as your personal doctor or health care provider? If "No," ask: "Is there more than one, or is there no person who you think of as your personal doctor or health care provider"? [↑](#endnote-ref-55)
56. Item 67: Was there a time in the past 12 months when you needed to see a doctor but could not because of cost? [↑](#endnote-ref-56)
57. Item 68: Was there a time in the past 12 months when you needed prescribed medication, but went without because of cost? [↑](#endnote-ref-57)
58. Item 69: In the past 12 months, have you been to a dentist or other health professional for pain in your teeth, mouth or gums? [↑](#endnote-ref-58)
59. Item 70: Do you feel accepted or respected at your current health care provider? [↑](#endnote-ref-59)
60. Item 71: How often do you need to have someone help you when you read instructions, pamphlets, or other written material from your doctor or pharmacy? Would you say... [↑](#endnote-ref-60)
61. ‘Now I am going to read a list of conditions. Please tell me whether a doctor, nurse, or other health professional has EVER told you that you had any of the following.’ Item 72: ‘Heart attack, angina, or coronary heart disease?’ Item 73: ‘Asthma? IF "YES," ask Do you still have asthma?’ Item 74: ‘A depressive disorder (including major depression, dysthymia, or minor depression)?’ Item 75: ‘Diabetes (or high blood sugar)? If yes and respondent is a woman, ask "were you told this during a pregnancy?"’ Item 76: ‘Hypertension (or high blood pressure)? If yes and respondent is a woman, ask "were you told this during a pregnancy?"’ Item 77: ‘High blood cholesterol?’ [↑](#endnote-ref-61)
62. Item 78: Have you ever smoked at least 100 cigarettes in your entire life? [↑](#endnote-ref-62)
63. Item 79: Do you now smoke every day, some days, or not at all? [↑](#endnote-ref-63)
64. Item 80: During the past 12 months, have you stopped smoking for one day or longer because you were trying to quit smoking? [↑](#endnote-ref-64)
65. Item 81: During the past 30 days, how many days did you have at least one drink of any alcoholic beverage, such as beer, wine, malt beverage or liquor? If respondent says "I drink about once a week" say "So four times this past month?" [↑](#endnote-ref-65)
66. Item 82: On the days when you did drink in the past 30 days, how many drinks did you have on average? One drink would be a 12-ounce beer, a 5-ounce glass of wine or a drink with one shot of liquor. [↑](#endnote-ref-66)
67. Item 83: How many times during the past 30 days did you have 4 (if woman) 5 (if man) or more drinks on any occasion? Please consider all types of alcohol. [↑](#endnote-ref-67)
68. Item 84: In the past 12 months, have you or a household member been the victim of violence, or physical, sexual, or verbal abuse? [↑](#endnote-ref-68)
69. Item 85: Do you keep a hand gun or other firearm in or around your home? [↑](#endnote-ref-69)
70. Item 86: Have you or a household member ever been addicted to prescription medicines or pain pills? [↑](#endnote-ref-70)
71. Item 87: What is the highest grade or year of school you completed? [↑](#endnote-ref-71)
72. Item 89: Do you primarily speak another language besides English in your home? [↑](#endnote-ref-72)
73. Persons indicating Hispanic ethnicity are in the “Hispanic” category. All other person are categorized per the race they indicated. This combines item 90 (“Are you of Hispanic or Latino origin, such as Mexican American, Latin American, Puerto Rican or Cuban?” with item 91 (“Which of these groups would you say best represents your race?”). [↑](#endnote-ref-73)
74. Item 92: Is your annual household income … [↑](#endnote-ref-74)
75. Based on item 92 (“Is your annual household income …”) and item 7 (“Please tell me how many people live in this household, including all children and anyone who normally lives here even if they are not here now, like someone who is away”). “Borderline” households reported income in a range that bridged the poverty threshold; these households had incomes no more than a few thousand dollars above or below the poverty threshold. [↑](#endnote-ref-75)