

Methods for the Measuring Cyberabuse Survey

Prepared by Princeton Survey Research Associates International for Data & Society Research Institute

Summary

The Measuring Cyberabuse Survey, sponsored by Data & Society Research Institute, obtained telephone interviews with a nationally representative sample of 3,002 internet users ages 15 or older living in the United States. Interviews were conducted via landline ($n_{LL}=1,051$) and cell phone ($n_C=1,951$; including 1,164 without a landline phone). The survey was conducted by Princeton Survey Research Associates International (PSRAI). Interviews were administered in English and Spanish by Princeton Data Source from May 17 to July 31, 2016. Statistical results are weighted to correct known demographic discrepancies. The margin of sampling error for the complete set of weighted data is ± 2.0 percentage points.

Details on the design, execution and analysis of the survey are discussed below.

Design & Data Collection Procedures

Pre-testing

The study had two pretests: Results from the first pretest indicated that the survey was too long. After shortening the survey length, results from the second pretest suggested that the survey flow was confusing and frustrating to some respondents because it assumed that those who endorsed any of eleven questions we asked about digital abuse and harassment agreed that their experiences constituted 'harassment'. After listening to the pretest recordings, the principal investigator, in consultation with PSRAI decided to add a new question that followed these eleven questions (asked across two questions on the survey instrument) to determine if the respondents believed their experiences were harassment or abuse. Their answers decided whether they were asked follow up questions about digital harassment. Because this restructuring happened early in field, a small group of respondents ($n=52$) did not receive this new question, and as such, their transit through the remaining questions followed a different path. We have chosen to keep these respondents in our sample for the questions they received.

Sample Design

A combination of landline and cellular random digit dial (RDD) samples was used to represent all people ages 15 and older in the United States who have access to either a landline or cellular telephone. Both samples were provided by Survey Sampling International, LLC (SSI) according to PSRAI specifications.

Numbers for the landline sample were drawn with equal probabilities from active blocks (area code + exchange + two-digit block number) that contained one or more residential directory listings. The cellular sample was not list-assisted, but was drawn through a systematic sampling from dedicated wireless 100-blocks and shared service 100-blocks with no directory-listed landline numbers.

Contact Procedures

Interviews were conducted from May 17 to July 31, 2016. As many as 7 attempts were made to contact every sampled telephone number. The sample was released for interviewing in replicates, which were representative subsamples of the larger sample. Using replicates to control the release of the sample ensures that complete call procedures are followed for the entire sample. Calls were staggered over times of day and days of the week to maximize the chance of making contact with potential respondents. Interviewing was spread as evenly as possible across the days in field. Each telephone number was called at least one time during the day in an attempt to complete an interview.

For the landline sample, interviewers asked to speak with either the youngest adult male or female ages 15 or older currently at home based on a random rotation. If the specific sex requested was not available, interviewers asked to speak with the youngest person ages 15 or older of the other gender. This systematic respondent selection technique has been shown to produce samples that closely mirror the population in terms of age and gender when combined with cell interviewing. Prior to dialing, the landline sample was scrubbed of numbers that have been ported to wireless service by comparing the sample file to the most recently available Intermodal Ported Telephone Number Identification Service database.

For the cellular sample, interviews were conducted with the person who answered the phone. Interviewers verified that the person was age 15 or older and in a safe place before administering the survey.

Once a potential respondent was on the phone, interviewers then identified those who use the internet and were eligible for the entire survey. A total of 3,834 contacts were made resulting in total of 3,002 internet users. The 832 respondents who were not internet users, and were therefore ineligible for inclusion in the study, were asked certain demographic questions necessary for weighting the data. After the weighting, these cases were dropped.

Weighting is generally used in survey analysis to compensate for sample designs and patterns of non-response that might bias results. The sample was weighted to match national general population parameters for ages 15 or older. A two-stage weighting procedure was used to weight this dual-frame sample.

The first stage of weighting corrected for different probabilities of selection associated with the number of eligible respondents in each household and each respondent's telephone usage patterns.¹ This weighting also adjusted for the overlapping landline and cell sample frames and the relative sizes of each frame and each sample.

1. i.e., whether respondents have only a landline telephone, only a cell phone, or both kinds of telephone.

The first-stage weight for the i^{th} case can be expressed as:

$$WT_i = \left[\left(\frac{S_{LL}}{F_{LL}} \times \frac{1}{AD_i} \times LL_i \right) + \left(\frac{S_{CP}}{F_{CP}} \times CP_i \right) - \left(\frac{S_{LL}}{F_{LL}} \times \frac{1}{AD_i} \times LL_i \times \frac{S_{CP}}{F_{CP}} \times CP_i \right) \right]^{-1}$$

Where S_{LL} = the size of the landline sample

F_{LL} = the size of the landline sample frame

S_{CP} = the size of the cell sample

F_{CP} = the size of the cell sample frame

AD_i = Number of 15+ people in household i

$LL_i=1$ if respondent i has a landline phone, otherwise $LL_i=0$.

$CP_i=1$ if respondent i has a cell phone, otherwise $CP_i=0$.

The second stage of weighting balanced sample demographics to population parameters. The sample is balanced to match national population parameters for sex by age, sex by education, age by education, race, Hispanic origin, region (U.S. Census definitions), population density, and telephone usage.

The basic weighting parameters came from the U.S. Census Bureau's 2014 American Community Survey data.² The population density parameter was derived from Census 2010 data. The telephone usage parameter came from an analysis of the July-December 2015 National Health Interview Survey.³

Weighting was accomplished using SPSSINC RAKE, an SPSS extension module that simultaneously balances the distributions of all variables using the GENLOG procedure. Weights were trimmed to prevent individual interviews from having too much influence on the final results. The use of these weights in statistical analysis ensures that the demographic characteristics of the sample closely approximate the demographic characteristics of the national population. Table 1 compares weighted and unweighted sample distributions to population parameters.

2. ACS analysis was based on all adults excluding those living in institutional group quarters.

3. Blumberg SJ, Luke JV. Wireless substitution: Early release of estimates from the National Health Interview Survey, July-December, 2015. National Center for Health Statistics. May 2016.

Table 1. Total Sample Demographics (includes those who did not qualify for the overall study)

| | <u>Parameter</u> | <u>Unweighted – Total Sample</u> | <u>Weighted – Total Sample</u> | <u>Weighted – Internet Users</u> |
|--|----------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| | <u>Gender</u> | | | |
| | Male | 48.4 | 50.1 | 49.0 |
| | Female | 51.6 | 49.9 | 51.0 |
| | <u>Age</u> | | | |
| | 15-17 | 4.9 | 4.4 | 5.0 |
| | 18-24 | 12.3 | 10.2 | 12.3 |
| | 25-34 | 16.7 | 13.4 | 16.2 |
| | 35-44 | 15.9 | 11.5 | 15.6 |
| | 45-54 | 16.9 | 14.3 | 17.0 |
| | 55-64 | 15.6 | 16.5 | 15.8 |
| | 65+ | 17.7 | 29.7 | 18.2 |
| | <u>Education</u> | | | |
| | HS Grad or less | 43.5 | 40.2 | 43.6 |
| | Some College/Assoc | | | |
| | Degree | 30.0 | 23.0 | 29.2 |
| | College Graduate | 26.5 | 36.7 | 27.1 |
| | <u>Race/Ethnicity</u> | | | |
| | White/not Hispanic | 64.6 | 67.6 | 64.8 |
| | Black/not Hispanic | 11.8 | 10.7 | 11.7 |
| | Hispanic, US born | 8.3 | 7.3 | 8.3 |
| | Hispanic, foreign born | 7.3 | 7.8 | 7.4 |
| | Other/not Hispanic | 8.0 | 6.6 | 7.8 |
| | <u>Region</u> | | | |
| | Northeast | 18.0 | 17.4 | 18.0 |
| | Midwest | 21.2 | 21.9 | 21.3 |
| | South | 37.3 | 36.4 | 37.1 |
| | West | 23.5 | 24.3 | 23.6 |
| | <u>County Pop. Density</u> | | | |
| | 1 - Lowest | 19.9 | 21.0 | 20.0 |
| | 2 | 20.0 | 19.8 | 20.0 |
| | 3 | 20.1 | 20.7 | 20.0 |
| | 4 | 20.0 | 20.6 | 20.1 |
| | 5 - Highest | 20.0 | 18.0 | 19.8 |
| | <u>Household Phone Use</u> | | | |
| | LLO | 5.5 | 5.1 | 5.3 |
| | Dual | 43.8 | 57.5 | 44.6 |
| | CPO | 50.7 | 37.4 | 50.1 |

Effects of Sample Design on Statistical Inference

Post-data collection statistical adjustments require analysis procedures that reflect departures from simple random sampling. PSRAI calculates the effects of these design features so that an appropriate adjustment can be incorporated into tests of statistical significance when using these data. The so-called "design effect" or *deff* represents the loss in statistical efficiency that results from unequal weights. The total sample design effect for this survey is 1.23.

PSRAI calculates the composite design effect for a sample of size n , with each case having a weight, w_i as:

$$deff = \frac{n \sum_{i=1}^n w_i^2}{\left(\sum_{i=1}^n w_i \right)^2} \quad \text{formula 1}$$

In a wide range of situations, the adjusted *standard error* of a statistic should be calculated by multiplying the usual formula by the square root of the design effect (\sqrt{deff}). Thus, the formula for computing the 95% confidence interval around a percentage is:

$$\hat{p} \pm \left(\sqrt{deff} \times 1.96 \sqrt{\frac{\hat{p}(1-\hat{p})}{n}} \right) \quad \text{formula 2}$$

where \hat{p} is the sample estimate and n is the unweighted number of sample cases in the group being considered.

The survey's margin of error is the largest 95% confidence interval for any estimated proportion based on the total sample — the one around 50%. For example, the margin of error for the entire sample is ± 2.0 percentage points. This means that in 95 out every 100 samples drawn using the same methodology, estimated proportions based on the entire sample will be no more than two percentage points away from their true values in the population. It is important to remember that sampling fluctuations are only one possible source of error in a survey estimate. Other sources, such as respondent selection bias, questionnaire wording and reporting inaccuracy, may contribute additional error of greater or lesser magnitude.

Response Rate

Table 2 reports the disposition of all sampled telephone numbers ever dialed from the original telephone number samples. The response rate estimates the fraction of all eligible sample that was ultimately interviewed and were computed per American Association for Public Opinion Research standards.⁴ Accordingly, the response rates for the landline and cellular samples was 8 percent and 7 percent, respectively.

4. The American Association for Public Opinion Research. 2011. Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys. 7th edition. AAPOR.

Table 2. Sample Disposition

| <u>Landline</u> | <u>Cell</u> | |
|-----------------|-------------|--|
| 4,489 | 710 | Non-residential/Business |
| 2,256 | ---- | Ported numbers identified before dialing |
| 9 | ---- | Cell in landline frame |
| 6,754 | 710 | OF = Out of Frame |
| 68,457 | 15,950 | Not working |
| 2,864 | 26 | Computer/fax/modem |
| 71,321 | 15,976 | NWC = Not working/computer |
| 5,635 | 953 | NA/Busy all attempts |
| 0 | 12,402 | VM not set up/caller out of range |
| 5,635 | 13,355 | UHU _{NC} = Non-contact, unknown if household/unknown other |
| 6,408 | 11,113 | Voice mail |
| 28 | 30 | Other non-contact |
| 6,436 | 11,143 | UO _{NC} = Non-contact, unknown eligibility |
| 9,993 | 17,226 | Refusals |
| 39 | 18 | On DNC list - not dialed |
| 385 | 1,748 | Callbacks |
| 10,417 | 18,992 | UO _R = Refusal, unknown if eligible |
| 93 | 211 | O = Other |
| ---- | 1,032 | Child's cell phone |
| 518 | 463 | Non-Internet users |
| 518 | 1,495 | SO = Screened out |
| 171 | 461 | R = Refusal, known eligible |
| 1,051 | 1,951 | I = Completed interviews |
| 102,396 | 64,294 | T = Total numbers sampled |
| 19.3% | 67.2% | $e1 = (I+R+SO+O+UO_R+UO_{NC})/(I+R+SO+O+UO_R+UO_{NC}+OF+NWC)$ - Est. frame eligibility of non-contacts |
| 70.2% | 61.7% | $e2 = (I+R)/(I+R+SO)$ - Est. screening eligibility of unscreened contacts |
| 61.9% | 53.5% | $CON = [I + R + (e2*[O + UO_R])]/[I + R + (e2*[O + UO_R + UO_{NC}]) + (e1*e2*UHU_{NC})]$ |
| 12.2% | 13.7% | $COOP = I/[I + R + (e2*[O + UO_R])]$ |
| 7.6% | 7.3% | AAPOR RR3 = $I/[I+R+[e2*(UO_R+UO_{NC}+O)]+[e1*e2*UHU_{NC}]] = CON*COOP$ |

Measuring Cyberstalking and Digital Domestic Abuse

Princeton Survey Research Associates International

For Data & Society Research Institute

Topline Results August 19, 2016

Total: 3,002 U.S. internet users age 15 and older
Margin of error: \pm 2.0 percentage points

Interviewing dates: May 17-July 31, 2016

NOTES: BECAUSE PERCENTAGES ARE ROUNDED, THEY MAY NOT TOTAL 100%.
AN ASTERISK (*) INDICATES LESS THAN 0.5%.
VOLUNTEERED RESPONSES ARE INDICATED BY (VOL.).

Landline Intro:

Hello, my name is _____ and I'm calling for Princeton Survey Research. We are conducting a telephone opinion survey about how people use technology in this country today and we would like to include your household. This is NOT a sales call.

May I please speak with the YOUNGEST [RANDOMIZE: (MALE / FEMALE)], age 15 or older, who is now at home? [IF NO MALE/FEMALE, ASK: May I please speak with the YOUNGEST (FEMALE / MALE), age 15 or older, who is now at home?]
[GO TO CONSENT]

Cell Phone Intro:

Hello, my name is _____ and I'm calling for Princeton Survey Research. We are conducting a telephone opinion survey about how people use technology in this country today and we would like to include you. I know I am calling you on a cell phone. This is NOT a sales call.

[IF R SAYS DRIVING/UNABLE TO TAKE CALL: Thank you. We will try you another time...]

VOICEMAIL MESSAGE [LEAVE ONLY ONCE -- THE FIRST TIME A CALL GOES TO VOICEMAIL:] I am calling for Princeton Survey Research. We are conducting a national survey of cell phone users. This is NOT a sales call. We will try to reach you again.

CELL PHONE SCREENING INTERVIEW:

S1 Are you under 15 years old, or are you 15 or older? [CONTINUE IF 15 OR OLDER]

READ TO ALL CELL PHONE RESPONDENTS BEFORE CONTINUING WITH CONSENT: If you are now driving a car or doing any activity requiring your full attention, I need to call you back later.

Consent

CONSENT You are being asked to take part in the “Relationships in the Digital World” survey. The purpose of the study is to better understand how technology affects your daily life and your relationships. To understand these issues, some of the questions we ask are sensitive.

Everything you tell us will be private and the researchers analyzing the data will not have access to any of your identifying information, such as your phone number.

Your participation is completely voluntary. You may stop the survey at any time. If you prefer not to answer a question, just let me know. [READ AS NECESSARY: The survey will take about 10-15 minutes for you to complete. It might take some people a bit longer, depending on how they answer the questions.]

Unless you’d rather not participate, let’s get started. [CONTINUE UNLESS REFUSED]

Main Screening Interview

[READ TO ALL:] To begin, I need to ask you a few questions to make sure that you qualify for the survey.

EMINUSE Do you use the internet or email, at least occasionally?

| % | |
|-----|-------------------|
| 100 | Yes |
| 0 | No |
| 0 | (VOL.) Don’t know |
| 0 | (VOL.) Refused |

Main Interview

DEVICE1a Next, do you have a cell phone, or not?⁵

| % | |
|----|-------------------|
| 98 | Yes |
| 2 | No |
| 0 | (VOL.) Don’t know |
| * | (VOL.) Refused |

SMART1 Some cell phones are called “smartphones” because of certain features they have. Is your cell phone a smartphone or not, or are you not sure?

BASED ON INTERNET USERS WHO HAVE A CELL PHONE [N=2,938]

| % | |
|----|----------------------|
| 83 | Yes, smartphone |
| 12 | No, not a smartphone |
| 5 | Not sure/Don’t know |
| * | (VOL.) Refused |

5. Question was asked of landline sample only. Results shown here have been recalculated to include cell phone sample in the “Yes” percentage.

Q1 Please tell me if you ever use the internet to do any of the following things. [INSERT FOR FIRST TWO RANDOMIZED ITEMS: Do you ever use the internet to... [INSERT ITEMS; RANDOMIZE]?] Do you ever [INSERT NEXT ITEM]? [READ AS NECESSARY: Do you ever use the internet to (ITEM)?]

| | YES, DO THIS | NO, DO NOT DO THIS | (VOL.) DK ⁶ | (VOL.) REF ⁷ |
|--|-----------------|--------------------------|---------------------------|----------------------------|
| a. Use social media like Facebook, LinkedIn or Instagram | 81 | 19 | * | 0 |
| b. Use a discussion site like Reddit or Digg | 16 | 83 | 1 | * |
| c. Play a video game online with other people | 30 | 70 | 0 | * |

Q2 While using the internet, have you ever done any of the following things to help protect your privacy? First, have you ever [INSERT ITEMS; RANDOMIZE]? How about [INSERT NEXT ITEM]? [READ AS NECESSARY: Have you ever done that to help protect your privacy while using the internet?]

| | YES | NO | (VOL.) DOESN' T APPLY | (VOL.) DK | (VOL.) REF |
|--|-----|----|-----------------------------|--------------|---------------|
| a. Given inaccurate or misleading information about yourself online | 19 | 80 | 1 | 1 | * |
| b. Changed the settings on a search engine or web browser so that it doesn't keep track of your search history | 49 | 49 | * | 2 | * |
| c. Used privacy settings to limit who can see what you post online | 66 | 30 | 2 | 1 | * |
| d. Turned off the location tracking feature on the device or application you are using | 66 | 32 | 1 | 1 | * |
| e. Removed your name from photos that have been tagged to identify you online | 34 | 63 | 2 | 1 | * |
| f. Blocked or unfriended someone online | 64 | 34 | 1 | 1 | * |

[READ TO ALL INTERNET USERS:] Now, switching gears...

MAR Are you currently married, living with a partner, divorced, separated, widowed, or have you never been married?

| % | |
|----|-----------------------|
| 45 | Married |
| 7 | Living with a partner |
| 9 | Divorced |
| 2 | Separated |
| 4 | Widowed |
| 32 | Never been married |
| * | (VOL.) Don't know |
| 1 | (VOL.) Refused |

6. The abbreviation DK stands for "Don't know"

7. The abbreviation REF stands for "Refused"

SUMMARY TABLE

MAR Are you currently married, living with a partner, divorced, separated, widowed, or have you never been married?

CMAR [ASK IF NOT MARRIED OR LIVING WITH A PARTNER:] Are you currently dating or otherwise in a romantic relationship with another person, either serious or casual?

EMAR [ASK IF NEVER BEEN MARRIED/DK/REFUSED AND NOT CURRENTLY IN A ROMANTIC RELATIONSHIP:] Have you ever dated or otherwise had a romantic relationship with another person, either serious or casual?

| % | |
|----|----------------------------------|
| 93 | Ever in a romantic relationship |
| 69 | Current |
| 24 | Past |
| 6 | Never in a romantic relationship |
| 1 | Don't know/Refused |

[READ TO ALL INTERNET USERS:] And now, we are interested in how you feel about the internet, cell phones and social media as a way to connect to others.

Q3 Overall, in your experience, are people mostly KIND or mostly UNKIND to one another online?

| % | |
|----|--------------------------|
| 62 | People are mostly kind |
| 23 | People are mostly unkind |
| 8 | (VOL.) Depends |
| 6 | (VOL.) Don't know |
| 2 | (VOL.) Refused |

WIT1 Have you ever witnessed any of the following behaviors directed at a particular person ONLINE? This does not include things directed at you online. Have you seen [INSERT ITEMS IN ORDER]? What about [INSERT NEXT ITEM]? [READ AS NECESSARY: Have you seen this behavior directed at a particular person ONLINE, not including things directed at you?]

| | YES | NO | (VOL.) DK | (VOL.) REF |
|--|--------------------------|----|--------------|---------------|
| a. Someone trying to embarrass another person on purpose online | 61 | 39 | 1 | * |
| b. Someone being called offensive names online | 62 | 37 | * | * |
| c. Someone being sexually harassed online | 26 | 73 | 1 | * |
| d. Someone being physically threatened online | 33 | 66 | 1 | * |
| e. Someone being harassed online over a long period of time | 20 | 79 | 1 | * |
| f. A romantic partner purposefully hurting their partner emotionally or psychologically online | 28 | 70 | 1 | * |
| g. Someone being stalked online – that is, being repeatedly contacted online in a way that made you feel afraid or concerned for the person's safety | 19 | 80 | 1 | * |
| | | | | |
| | % | | | |
| 72 | Witness of cyberabuse | | | |
| 28 | Not a witness/DK/Refused | | | |

WIT2 And now I have some questions about what you did, if anything, after you saw these online behaviors. Some people may not have done these things. After you saw [IF ONLY 1 item in WIT1=YES, INSERT WIT1 item wording / IF 2+ items in WIT1=YES, INSERT: any of these behaviors], did you [INSERT ITEMS; RANDOMIZE]? Did you [INSERT NEXT ITEM]? [READ IF NECESSARY: After you saw this behavior, did you (ITEM)?]

BASED ON WITNESSES OF CYBERABUSE [N=2,014]

| | YES | NO | (VOL.) NO WAY TO REPORT | (VOL.) DK | (VOL.) REF |
|---|-----|----|-------------------------------|--------------|---------------|
| a. Say anything to the person who was targeted | 45 | 53 | n/a | 1 | 1 |
| b. Say anything to the person or people doing this to the other person | 40 | 59 | n/a | 1 | 1 |
| c. Report or flag this behavior through the online platform where it took place | 38 | 61 | * | 1 | * |

[READ TO ALL INTERNET USERS:] Next...

VIC1 Which, if any, of the following have ever occurred to YOU, personally? This could be by anyone, including a romantic partner, a friend or even someone you don't know. Have you ever [INSERT ITEMS IN ORDER]?

| | YES | NO | (VOL.) DK | (VOL.) REF |
|--|-----|----|--------------|---------------|
| a. Had someone try to embarrass you on purpose online | 23 | 77 | * | * |
| b. Been called offensive names online | 25 | 75 | * | * |
| c. Been sexually harassed online | 8 | 92 | * | * |
| d. Been physically threatened online | 11 | 89 | * | * |
| e. Had someone monitor your online or phone activity without your permission | 14 | 79 | 6 | * |
| f. Been harassed online over a long period of time | 5 | 95 | * | * |
| g. Had a romantic partner hurt you emotionally or psychologically online | 8 | 91 | * | * |
| h. Been stalked online – that is, repeatedly contacted online in a way that made you feel afraid or unsafe | 8 | 92 | * | * |

Q4 Was the person who most recently [INSERT ITEMS IN ORDER] a current or former romantic partner... or someone else? [IF SOMEONE ELSE, PROBE: And what is your relationship to that person?]

EACH ITEM IS BASED ON INTERNET USERS WHO HAVE PERSONALLY HAD THIS VIC1 EXPERIENCE

| | PARTNER | SOMEONE ELSE | (VOL.) MORE THAN ONE PERSON | (VOL.) DON'T KNOW WHO IT WAS | (VOL.) REF | (N) |
|--|---------|--------------|-----------------------------|------------------------------|------------|-------|
| a. Tried to embarrass you | 18 | 60 | 2 | 18 | 3 | (596) |
| b. Called you offensive names | 13 | 54 | 2 | 29 | 2 | (643) |
| c. Sexually harassed you | 16 | 33 | 3 | 46 | 1 | (190) |
| d. Physically threatened you online | 12 | 49 | 2 | 35 | 3 | (281) |
| e. Monitored your online or phone activity | 39 | 41 | 2 | 14 | 4 | (361) |
| f. Harassed you | 26 | 42 | 2 | 30 | 1 | (135) |
| NO ITEM G | | | | | | |
| h. Stalked you online | 32 | 43 | 3 | 20 | 2 | (191) |

QHAR Would you call what you have experienced online harassment or abuse?

BASED ON INTERNET USERS WHO HAVE HAD ANY VIC1 EXPERIENCE [N=1,067]

| % | |
|----|-------------------|
| 46 | Yes |
| 53 | No |
| * | (VOL.) Stalking |
| 1 | (VOL.) Don't know |
| * | (VOL.) Refused |
| 47 | NET Yes/Stalking |

Q5_1 Has anyone ever done any of the following to you? First, has anyone ever [INSERT ITEMS; RANDOMIZE]? Next, [INSERT NEXT ITEM]? [READ AS NECESSARY: Has anyone ever done this to you?]⁸

| | YES | NO | (VOL.) DK | (VOL.) REF |
|--|-----|----|-----------|------------|
| NO ITEMS A-E | | | | |
| f. Used social media, GPS or other technological tools to track your location when you did not want them to | 9 | 88 | 3 | * |
| g. Hacked into your online account or computer and stolen your sensitive personal information | 13 | 85 | 2 | * |
| h. Used a technical attack like a Denial of Service attack to keep you from using email, your online accounts, your computer or your phone | 7 | 91 | 1 | * |

8. For the first night of interviewing, these three items were asked of all internet users as part of the Q5 series later in the interview.

QHAR_1 Would you call what you have experienced online harassment or abuse?⁹

BASED ON INTERNET USERS WHO HAVE HAD ANY Q5_1 EXPERIENCE [N=634]

| % | |
|----|-------------------|
| 44 | Yes |
| 53 | No |
| 1 | (VOL.) Stalking |
| * | (VOL.) Don't know |
| * | (VOL.) Refused |
| 2 | Not asked |
| 45 | NET Yes/Stalking |

Q5 Has anyone ever done any of the following to you? First, has anyone ever [INSERT ITEMS; RANDOMIZE; ALWAYS ASK ITEM L LAST]? Next, [INSERT NEXT ITEM]? [READ AS NECESSARY: Has anyone ever done this to you?]

ITEMS A-J AND L: BASED ON VICTIMS OF CYBERABUSE [N=598]

ITEM K: BASED ON VICTIMS OF CYBERABUSE WHO USE SOCIAL MEDIA [N=507]

| | YES | NO | (VOL.) DK | (VOL.) REF |
|--|-----|----|--------------|---------------|
| a. Encouraged other people online to harass you | 20 | 79 | 1 | 0 |
| b. Stolen your password or forced you to reveal passwords to your devices or accounts | 24 | 75 | 1 | 0 |
| c. Read your text or email messages without your permission | 34 | 63 | 3 | 0 |
| d. Sent you a very large number of unwanted messages like texts, emails or chats | 54 | 46 | 0 | 0 |
| e. Used technology to pretend to be you or someone else other than themselves as a way to harm or harass you | 26 | 73 | 1 | * |
| NO ITEMS F-H | | | | |
| i. Misused online reporting tools to keep you from using an online account | 13 | 85 | 1 | * |
| j. Spread reputation damaging rumors about you online | 33 | 66 | 1 | 0 |
| k. Used information posted to your social media profile in a way that made you uncomfortable | 25 | 74 | * | 0 |
| l. Tried to harm you in person after harassing you online | 12 | 88 | * | * |

9. This question was added after the first night of interviewing. As a result, N=15 respondents interviewed on the first night were not asked this question.

[READ TO ALL INTERNET USERS:] Next...

Q6 Has anyone ever... [INSERT ITEMS IN ORDER]? [IF YES, ASK Q7 FOLLOW-UP FIRST, THEN CONTINUE WITH NEXT Q6 ITEM]

| | YES | NO | (VOL.) DOESN'T APPLY | (VOL.) DK | (VOL.) REF |
|---|-----|----|----------------------------|--------------|---------------|
| a. THREATENED to post nearly nude or nude photos or videos of you online to harm or embarrass you | 3 | 96 | * | * | 0 |
| b. [IF Q6A=YES, INSERT: Actually] Posted nearly nude or nude photos or videos of you online without your permission | 2 | 97 | 1 | * | 0 |
| c. Exposed other sensitive personal information online that was damaging to you personally, professionally or financially | 5 | 95 | * | * | * |

Q7 And was the person who most recently [INSERT ITEMS IN SAME ORDER AS Q6] a current or former romantic partner... or someone else? [IF SOMEONE ELSE, PROBE: And what is your relationship to that person?]

EACH ITEM IS BASED ON INTERNET USERS WHO HAVE HAD THIS Q6 EXPERIENCE

| | PART- NER | SOME- ONE ELSE | (VOL.) MORE THAN ONE PERSON | (VOL.) DON'T KNOW WHO IT WAS | (VOL.) REF | (N) |
|---|--|----------------------|-----------------------------------|---------------------------------------|---------------|-------|
| a. Threatened to post photos or videos of you | <i>There are too few cases to report (N=71).</i> | | | | | |
| b. Posted photos or videos of you online | <i>There are too few cases to report (N=48).</i> | | | | | |
| c. Exposed your information | 23 | 59 | 4 | 12 | 2 | (122) |

VIC2 And now thinking about current or former romantic partners... Has the person that you are currently or were most recently in a relationship with done any of the following things to you? (First,/Next,) [INSERT ITEMS; RANDOMIZE]. [READ AS NECESSARY: Has the person that you are currently or were most recently in a relationship with done this to you?]

BASED ON VICTIMS OF CYBERABUSE WHO HAVE EVER HAD A ROMANTIC RELATIONSHIP [N=565]

| | YES | NO | (VOL.) DK | (VOL.) REF |
|--|-----|----|--------------|---------------|
| a. Sent you instant messages or chats that made you feel scared | 8 | 92 | * | 0 |
| b. Wrote or said nasty things about you online or on social media | 16 | 83 | * | 0 |
| c. Sent you text messages to check up on you to find out where you are, what you are doing, or who you are with, in a way that made you feel uncomfortable | 23 | 76 | * | 0 |
| d. Sent you text messages, email, or chats, to have sex or engage in sexual acts with them when they knew you did not want to | 12 | 88 | 0 | * |
| e. Spread rumors about you online or with their cell phone | 11 | 88 | 1 | * |
| f. Made you feel afraid when you did not respond quickly to a phone call, text or other message they sent to you | 14 | 86 | 0 | * |
| g. Threatened to harm you physically through a cell phone, text message, or social networking page | 9 | 91 | * | 0 |
| h. Sent you sexual photos or naked photos of themselves that they knew you did not want | 15 | 85 | * | 0 |
| i. Pressured you to send them a sexual or naked photo of yourself | 12 | 88 | 0 | 0 |
| j. Shared embarrassing photos or videos of you without your permission | 7 | 93 | * | 0 |

Q8 Thinking of the most recent time you experienced harassment or abuse online from someone, how did this make you feel? Did you feel [INSERT ITEMS; RANDOMIZE]? How about [INSERT NEXT ITEM]? [READ AS NECESSARY: Did the behavior of the person who did this to you most recently make you feel (ITEM)?]¹⁰

BASED ON VICTIMS OF CYBERABUSE OR HAD ANY Q6 EXPERIENCE [N=673]

| | YES | NO | (VOL.) DON'T KNOW | (VOL.) REFUSED |
|-----------------|-----|----|-------------------------|-------------------|
| a. Worried | 38 | 61 | * | 1 |
| b. Angry | 68 | 31 | 1 | * |
| c. Scared | 22 | 77 | 1 | * |
| d. Annoyed | 83 | 16 | * | 1 |
| e. Not bothered | 32 | 67 | 1 | 1 |

NO QUESTION 9

10. Results include first night interviews who were not asked QHAR_1.

Q10 Now I am going to read you a list of things that people might do to protect themselves from online harassment or abuse. To protect yourself from online harassment, have you [INSERT ITEMS IN ORDER]? [READ AS NECESSARY: Have you done this to protect yourself from online harassment or abuse?]¹¹

ITEMS A,D: BASED ON VICTIMS OF CYBERABUSE OR HAD ANY Q6 EXPERIENCE AND USE SOCIAL MEDIA [N=570]

ITEM F: BASED ON VICTIMS OF CYBERABUSE OR HAD ANY Q6 EXPERIENCE AND HAVE A CELL PHONE [N=659]

ALL OTHER ITEMS: BASED ON VICTIMS OF CYBERABUSE OR HAD ANY Q6 EXPERIENCE [N=673]

| | YES | NO | (VOL.) DK | (VOL.) REF |
|---|-----|----|--------------|---------------|
| a. Created a new social media profile under a different name | 21 | 79 | 0 | 0 |
| b. Reported or flagged content that was posted about you on a website without your permission | 27 | 73 | * | 0 |
| c. Changed your e-mail address or telephone number | 36 | 63 | * | * |
| d. Stopped using social media | 21 | 79 | * | * |
| e. Stopped going online | 13 | 87 | 0 | 0 |
| f. Stopped using your cell phone | 4 | 96 | 0 | 0 |
| g. Asked a friend or family member for help | 26 | 74 | 0 | 0 |
| h. Gotten help from a domestic violence center, hotline or website | 6 | 94 | 0 | 0 |
| i. Gotten a restraining order or protection order | 11 | 89 | * | 0 |

11. Results include first night interviews who were not asked QHAR_1 or a subset of this group.

[READ TO ALL INTERNET USERS:] Moving on...

Q11 As far as you know, have you ever experienced any of the following as a result of your online activities or experiences? Have you ever [INSERT ITEMS; RANDOMIZE]? How about [INSERT NEXT ITEM]?
[READ AS NECESSARY: Have you ever had this experience as a result of your online activities?]

BASED ON ALL INTERNET USERS

| | YES | NO | (VOL.) DK | (VOL.) REF |
|--|-----|----|--------------|---------------|
| a. Had difficulty finding a job or lost an educational opportunity because of something that was posted online | 2 | 98 | * | * |
| b. Experienced trouble in a relationship or friendship because of something that was posted online about you | 11 | 88 | * | * |
| c. Had your reputation damaged because of things posted online about you | 6 | 93 | * | * |

BASED ON VICTIMS OF CYBERABUSE OR HAD ANY Q6 EXPERIENCE [N=673]¹²

| | YES | NO | (VOL.) DK | (VOL.) REF |
|---|-----|----|--------------|---------------|
| d. Felt less connected to friends and family because your cell phone or internet use was limited because of harassment or abuse | 13 | 86 | * | * |
| e. Felt less connected to information because your cell phone or internet use was limited because of harassment or abuse | 13 | 87 | * | 0 |
| f. Had to shut down an online account or profile because of online harassment or abuse | 20 | 80 | 1 | 0 |
| g. Had evidence of online harassment or abuse appear in searches for your name | 8 | 90 | 2 | 0 |

Q12 Have you ever decided NOT to post something online because you were worried that you would be harassed online because of it?

| % | |
|----|-------------------|
| 27 | Yes |
| 72 | No |
| * | (VOL.) Don't know |
| * | (VOL.) Refused |

12. Results include first night interviews who were not asked QHAR_1.

Demographics

[READ TO ALL INTERNET USERS:] Finally, we have some general questions about you for statistical purposes only.

SEX RECORD RESPONDENT SEX [DO NOT ASK]

| % | |
|----|--------|
| 49 | Male |
| 51 | Female |

AGE What is your age?

| % | |
|----|-------------|
| 6 | 15-17 |
| 23 | 18-29 |
| 32 | 30-49 |
| 25 | 50-64 |
| 11 | 65 or older |
| * | Don't know |
| 3 | Refused |

PAR Are you the parent or guardian of any children under age 18?

| % | |
|----|-------------------|
| 29 | Yes |
| 70 | No |
| 0 | (VOL.) Don't know |
| * | (VOL.) Refused |

HH1 How many people, including yourself, live in your household?

[INTERVIEWER NOTE: HOUSEHOLD MEMBERS INCLUDE PEOPLE WHO THINK OF THIS HOUSEHOLD AS THEIR PRIMARY PLACE OF RESIDENCE, INCLUDING THOSE WHO ARE TEMPORARILY AWAY ON BUSINESS, VACATION, IN A HOSPITAL, OR AWAY AT SCHOOL. THIS INCLUDES INFANTS, CHILDREN AND ADULTS.]

| % | |
|----|-------------------|
| 14 | 1 person |
| 29 | 2 people |
| 37 | 3-4 people |
| 18 | 5 or more people |
| * | (VOL.) Don't know |
| 2 | (VOL.) Refused |

HH3 How many [IF AGE=18-97: including yourself,] are adults, age 18 and older?¹³

| % | |
|----|-------------------|
| 19 | 1 adult |
| 49 | 2 adults |
| 27 | 3-4 adults |
| 4 | 5 or more adults |
| * | (VOL.) Don't know |
| 2 | (VOL.) Refused |

EDUC2 What is the highest level of school you have completed or the highest degree you have received? [DO NOT READ]

BASED ON ADULT INTERNET USERS/DK AGE [N=2,843]

| % | |
|----|---|
| 4 | NET Less than high school Less than high school (Grades 1-8 or no formal schooling) / High school incomplete (Grades 9-11 or Grade 12 with NO diploma) |
| 26 | NET High school graduate High school graduate (Grade 12 with diploma or GED certificate) |
| 35 | NET Some college Some college, no degree (includes some community college) / Two-year associate degree from a college or university |
| 34 | NET College graduate or more Four-year college or university degree/Bachelor's degree (e.g., BS, BA, AB) / Some postgraduate or professional schooling, no postgraduate degree / Postgraduate or professional degree, including master's, doctorate, medical or law degree (e.g., MA, MS, PhD, MD, JD) |
| * | Don't know |
| 1 | Refused |

PAREduc To the best of your knowledge, what is the highest level of education your parents completed or the highest degree one of them received? [IF RESPONDENT ASKS WHICH PARENT: Please think about the parent with the highest level of education.] [DO NOT READ]

BASED ON INTERNET USERS UNDER AGE 18 [N=159]

| % | |
|----|---|
| 6 | NET Less than high school Less than high school (Grades 1-8 or no formal schooling) / High school incomplete (Grades 9-11 or Grade 12 with NO diploma) |
| 24 | NET High school graduate High school graduate (Grade 12 with diploma or GED certificate) |
| 14 | NET Some college Some college, no degree (includes some community college) / Two-year associate degree from a college or university |
| 50 | NET College graduate or more Four-year college or university degree/Bachelor's degree (e.g., BS, BA, AB) / Some postgraduate or professional schooling, no postgraduate degree / Postgraduate or professional degree, including master's, doctorate, medical or law degree (e.g., MA, MS, PhD, MD, JD) |
| 4 | Don't know |
| 1 | Refused |

13. HH3 was not asked of single-person households. Results shown here have been recalculated based on Total internet users.

EMPLOY Are you now employed full-time, part-time, or not employed?

[IF RESPONDENT SAYS THEY ARE SELF-EMPLOYED, PROBE: "Are you self-employed working full-time hours or part-time hours?" AND THEN RECORD AS CODE FT OR PT]

[IF RESPONDENT SAYS THEY WORK IN THE HOME, I.E. CARING FOR THEIR KIDS OR BEING A HOMEMAKER, ASK: Are you now employed FOR PAY full-time, part-time, or not employed for pay?]

| % | |
|----|--------------------|
| 52 | Employed full-time |
| 14 | Employed part-time |
| 34 | Not employed |
| * | (VOL.) Don't know |
| 1 | (VOL.) Refused |

NOTW Which of the following best describes you? Are you... [READ]

BASED ON INTERNET USERS WHO ARE NOT EMPLOYED [N=1,160]

| % | |
|----|--------------------------------------|
| 38 | Retired |
| 11 | A homemaker |
| 19 | A student |
| 14 | Unemployed and looking for work, OR |
| 8 | Unemployed and NOT looking for work? |
| 9 | (VOL.) Disabled/Unable to work |
| * | (VOL.) Don't know |
| 1 | (VOL.) Refused |

VET1 Are you currently serving or have you ever served in the U.S. military or the military reserves?

BASED ON ADULT INTERNET USERS/DK AGE [N=2,843]

| % | |
|----|---|
| 10 | Yes, currently serving or have served on active duty in the past |
| 89 | No, have never served in the U.S. military or the military reserves |
| 0 | Don't know |
| * | Refused |

SUMMARY TABLE: RACE/ETHNICITY

HISP Are you of Hispanic, Latino, or Spanish origin, such as Mexican, Puerto Rican or Cuban?

RACE What is your race? Are you white, black, Asian, or some other race?

| % | |
|----|---|
| 65 | White, non-Hispanic |
| 10 | Black or African-American, non-Hispanic |
| 14 | Hispanic |
| 8 | Other, non-Hispanic |
| 2 | (VOL.) Don't know/Refused |

USBORN Were you born in the United States, on the island of Puerto Rico or in another country?

| % | |
|----|-------------------|
| 86 | U.S. |
| * | Puerto Rico |
| 13 | Another country |
| * | (VOL.) Don't know |
| * | (VOL.) Refused |

INC Last year -- that is in 2015 -- what was your total family income from all sources, before taxes? Just stop me when I get to the right category... [READ]

| % | |
|----|----------------------------|
| 7 | Less than \$10,000 |
| 7 | 10 to under \$20,000 |
| 9 | 20 to under \$30,000 |
| 8 | 30 to under \$40,000 |
| 8 | 40 to under \$50,000 |
| 12 | 50 to under \$75,000 |
| 12 | 75 to under \$100,000 |
| 11 | 100 to under \$150,000, OR |
| 8 | \$150,000 or more? |
| 7 | (VOL.) Don't know |
| 11 | (VOL.) Refused |

TELEPHONE USE QUESTIONS QL1A AND QC1 NOT REPORTED IN THIS TOPLINE.
ZIP CODE NOT REPORTED IN THIS TOPLINE.

GAYID Do you consider yourself to be [READ]

| % | |
|----|------------------------------|
| 87 | Heterosexual or straight |
| 1 | Gay |
| 1 | Lesbian |
| 3 | Bisexual |
| 1 | Or something else? (SPECIFY) |
| 2 | (VOL.) Don't know |
| 5 | (VOL.) Refused |

HELPINFO1 Those are all the questions I have for you. Thank you very much for your time. If you have any questions about this survey, you can email the researchers at: XXXXX@XXXXXXXXXXXX.net.

Some questions may have brought up memories that are upsetting. If you have not experienced these things yourself, it can be difficult to think that they might happen. Would you like information about people to talk to?

| % | |
|----|-------------------|
| 3 | Yes |
| 96 | No |
| * | (VOL.) Don't know |
| 1 | (VOL.) Refused |

Thank you again for taking this survey.

Through partnerships, collaboration, original research, and technology development, Data & Society seeks cooperation across sectors to innovate and implement thoughtful, balanced, and evidence-based responses to our current and future data-centered issues.

Contact

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