

Iowa YOUNG ADULT SURVEY

Methodology and item frequencies for the 2019 Iowa Young Adult Survey

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Introduction

In spring 2019, the Iowa Department of Public Health (IDPH) secured the research services of the University of Northern Iowa Center for Social and Behavioral Research (CSBR) to assist in the design and implementation of a statewide survey of young adults in Iowa. The questionnaire was designed in consultation with IDPH staff, and CSBR worked to design a two-phased project to test the most effective design factors to maximize efficiency and productivity. This report includes the detailed methodology and the raw response frequencies from the full dataset (See Appendix A). A full analysis and report of the findings is planned for a future report.

Methods

Population & Sampling Design

The 2019 Iowa Young Adult Survey utilized a mixed mode study design to collect information on the health and experiences of young adults aged 18 to 24 years throughout the state. The survey was conducted in two phases. The Phase 1 Pilot was designed to assess the best combination of sample, mode, and incentive that would yield the highest number of completions using the resources available so that the data would be representative of young adults in Iowa. Phase 2 was implemented using the mode and incentive combinations identified as most effective in the Phase 1 Pilot within the timeframe of the project period. This study was reviewed and approved by the University of Northern Iowa Institutional Review Board.

The Phase 1 Pilot sample ($n_1 = 3,491$) consisted of an age-targeted list of cellphone numbers for 18 to 24 year olds ($n_{1a}=2,778$), a random digit dial (RDD) cellphone sample ($n_{1b}=356$), and an addressed-based sample (ABS; $n_{1c}= 357$) for adults 18 years or older. The Phase 2 sample utilized an age-targeted list of cellphone numbers for young adults 18-24 years old ($n_2=$

5,000). All samples were obtained from Marketing Systems Group (MSG). The field data collection for the Phase 1 Pilot was June 28 to September 13, 2019, and Phase 2 from August 8 to September 13, 2019. The three modes of data collection were web questionnaire (WEB), self-administered mail-back questionnaire (SAM), and computer-assisted telephone interviewing (CATI). Printing and mailing of all survey materials was completed by DataForce. The advanced letters and cover letters were written in both English and Spanish. Questionnaires and interviews were conducted in English, and made available in Spanish upon request.

In both the Phase 1 Pilot and Phase 2 data collection, no within household selection procedures were used for telephone interviews. Interviews were completed with the person who answered the call upon confirmation of having dialed the correct number, the number was a cellular number, and that the respondent was currently a resident in Iowa and 18-24 years old. Mailing materials and the mail-back questionnaire included instructions for households with more than one young adult 18 to 24 years old to have the young adult who had the most recent birthday complete the questionnaire. The web questionnaire and telephone interview confirmed the respondent was currently a resident of Iowa, and the mail-back questionnaire confirmed the respondent was an Iowa resident which allowed young adults attending college elsewhere during the academic year to participate in the study. Age verification was conducted on a twenty percent random selection of online and mail-back respondents against publicly available online records to confirm respondents were within the targeted age group. The CATI respondents went through age eligibility screening protocol.

The total number of completions was 854 across the two data collection periods (Phase 1 Pilot and Phase 2). The overall response rate for all modes combined was 36.6% (RR3, AAPOR, 2016). The cooperation rate for telephone completions was 65.5% (COOP3, AAPOR, 2016).

One telephone interview was conducted in Spanish. The source of sample and the final yield is shown in the Table 1.

Table 1. Sample and final number of completions for Phase 1 Pilot and Phase 2

	Sample source	Sample (n)	Mode			Completions (n)
			WEB	CATI	SAM	
Phase 1 Pilot	Age-targeted list (cell)	2,778	110	123	122	355
	Random digit dial (cell)	356	1	2	-	3
	Addressed-based sample	357	8	-	4	12
	Snowball sample ¹	NA	1	1	-	2
Phase 2	Age-targeted list (cell)	5,000	389	89	NA	478
	Snowball sample	NA	3	1	NA	4
Total		8,498	512	216	126	854

1. A total of six completions were obtained through snowball sampling where targeted households invited more than one young adult who met eligibility criteria to participate.

Phase 1 Pilot

The purpose of the Phase 1 Pilot was to determine the most productive sample, mode, and incentive designs with the resources available. To this end, the Phase 1 Pilot was divided into two sequences by mode: a telephone and self-administered mail-back (SAM) sequence. The sample for each mode sequence (telephone or SAM) was then randomly divided into two subsamples, and two types of incentives were embedded into each sequence. These incentives were a \$25 dollar Amazon gift card (hereafter, gift card) or being entered into a drawing for one of 15 Beats headphones or one of 25 Amazon Echo smart speakers (hereafter, sweepstakes). Both incentives were contingent upon completion.

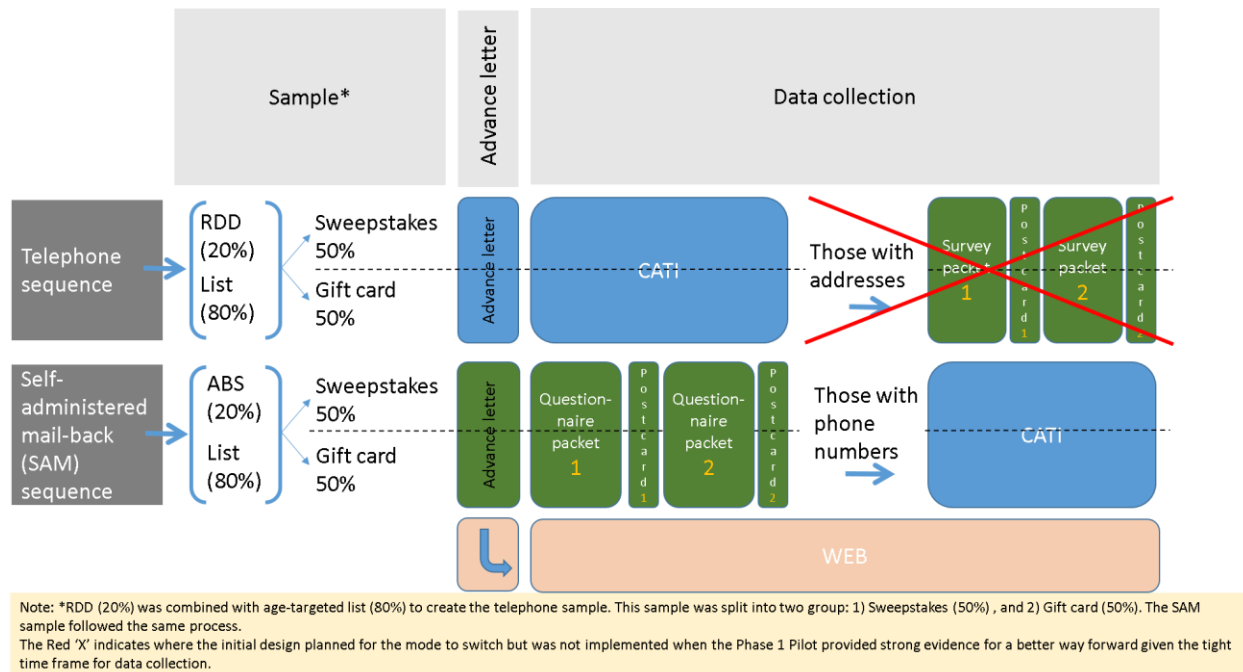


Figure 1. Initial study design of the Phase 1 Pilot

Both the telephone and SAM sequence started with an advance letter (June 28, 2019) with a push-to-web option (web link and QR code), and the web link remained open until the end of data collection period (see Figure 1). For the telephone sequence, dialing started 11 days after the advance letter (July 9, 2019) following best practices in survey research design (Dillman, Smyth, & Christian, 2014). For the SAM sequence, a questionnaire packet was mailed on July 10, 2019 followed by a reminder postcard, a second questionnaire packet, and a final postcard in step-wise succession. The data collection timeline is shown in Table 2. The complete set of Phase 1 Pilot mailing materials can be found in Appendix B.

Table 2. Data collection timeline

	Data collection	Date
Phase 1 Pilot	Advance letter (Push to WEB)	June 28, 2019
	Telephone dialing start (CATI)	July 9, 2019
	Questionnaire Packet 1 (SAM)	July 10, 2019
	Postcard 1 (SAM)	July 12, 2019
	Telephone dialing end (CATI)	July 23, 2019
	Questionnaire Packet 2 (SAM)	July 24, 2019
	Postcard 2 (SAM)	July 30, 2019
	Final letter (WEB)	August 13, 2019
Phase 2	Advance letter (WEB)	August 08, 2019
	Reminder letter (WEB)	August 13, 2019
	Telephone dialing start (CATI)	August 15, 2019
	Final letter (WEB)	August 27, 2019
	Telephone dialing end (CATI)	September 10, 2019
	End of data collection	September 13, 2019

The initial study design planned for a balanced mode design where nonrespondents in the CATI mode would be attempted again via the self-administered mail-back (SAM) mode, and nonrespondents in the SAM mode would be attempted again in the CATI mode. However, preliminary analysis of completions from the Phase 1 Pilot provided strong evidence for selecting specific sample, mode, and incentives going forward that would increase efficiency given the tight time frame for data collection. Thus, Figure 2 shows the modified and final process for the Phase 1 Pilot where the telephone mode did not switch modes to a self-administered mail-back, and instead any listed sample with addresses received a final letter with a unique web link/QR code to the web questionnaire, and offered the choice of either incentive.

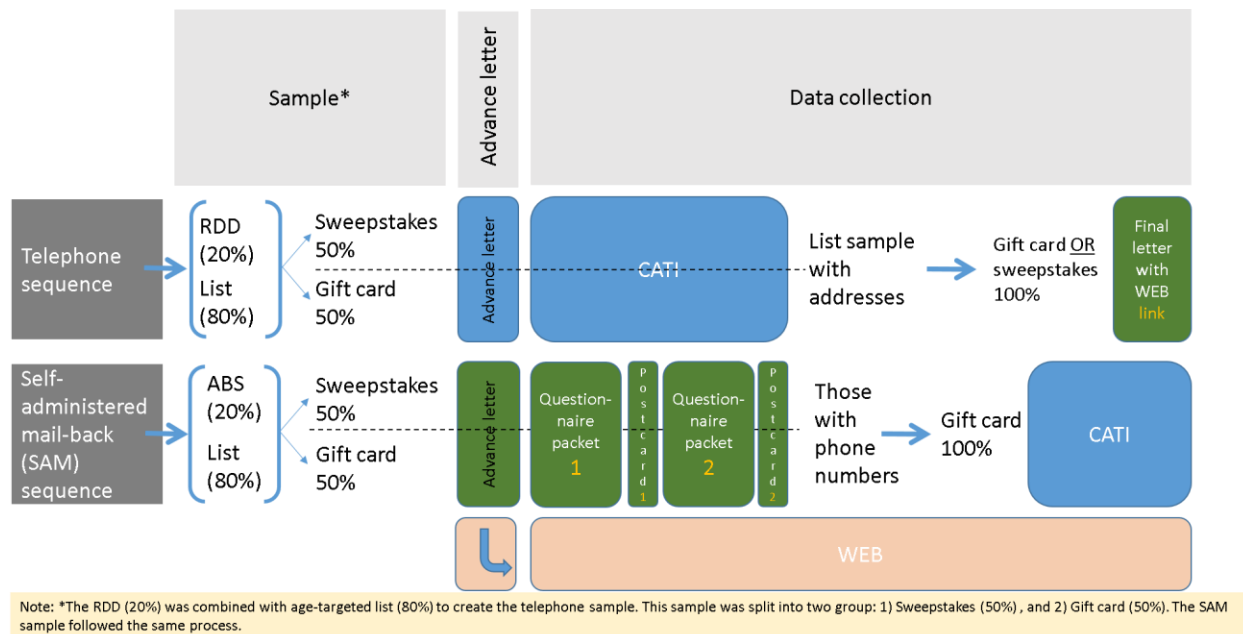


Figure 2. Modified and final design, Phase 1 Pilot.

The number of completions by mode for the Phase 1 Pilot are shown in Table 3. The telephone sequence yielded 133 completions with the number of web completions (n=68) similar to CATI completions (n=65). The self-administered mail-back (SAM) sequence yielded 164 completions, with SAM completions (n=113) twice the number of web completions (n=51).

Table 3. Phase 1 Pilot completions by mode (WEB+CATI versus WEB+SAM).

Sample source		Sample	Mode		Completions
		(n)	WEB	CATI	(n)
Telephone sequence	Random digit dial (cell)	356	1	2	3
	Age-targeted list (cell)	1,389	67	63	130
	Subtotal		68	65	133
			WEB	SAM	
Self-administered mail-back (SAM) sequence	Addressed-based sample	357	8	4	12
	Age-targeted list (cell)	1,389	42	108	150
	Snowball sample	NA	1	1	2
Subtotal			51	113	164

1. Two completions were obtained in the Phase 1 Pilot through snowball sampling where targeted households invited more than one young adult who met eligibility criteria to participate.

In the latter half of the Phase 1 Pilot, the switch in mode offered a few more completions in all modes. In this period, the gift card incentive was offered to all respondents regardless of mode or sequence. The switch in mode yielded an additional 75 completions (Table 4).

Table 4. Phase 1 Pilot completions after the switch by mode

Initial sample source		Mode			Completions
SAM sequence switch to telephone	Addressed-based sample	WEB	CATI	SAM	(n)
	Age-targeted list (cell)	-	-	-	
		1	60	14	75

The Phase 1 Pilot also examined the number of completions based on the type of incentive offered: sweepstakes or gift card. The telephone sequence yielded a modestly higher number of completions for the gift card incentive (n=72) than sweepstakes (n=61). In the self-administered mail-back sequence, the gift card incentive yielded twice as many completions (n=111) as the sweepstakes (n=53).

Table 5. Phase 1 Pilot completions by incentive (sweepstakes versus gift card)

	Incentive	Sample (n)	Mode			Completions (n)
			WEB	CATI	Snowball	
Telephone sequence	Sweepstakes	896	32	29	0	61
	Gift card	849	36	36	0	72
	Subtotal		68	65	0	133
Self-administered mail-back (SAM) sequence	Sweepstakes	886	13	40	0	53
	Gift card	863	37	72	2	111
	Subtotal		50	112	2	164
Total			118	177	2	297

In the latter half of the Phase 1 Pilot, gift card incentives were offered to all respondents regardless of the initial incentive assignment (sweepstakes or gift card). Of the additional 75

completions that occurred after the switch in mode (Table 6), 43 completions came from the subsample that was initially assigned to the sweepstakes incentive.

Table 6. Phase 1 Pilot completions by incentive assignment after the switch by mode

	Initial incentive group	Incentive after mode switch	Mode			Completions (n)
			WEB	CATI	SAM	
SAM sequence switch to telephone	Sweepstakes	Gift card	0	34	9	43
		Gift card	1	26	5	32
	Total		1	60	14	75

Key findings from the Phase 1 Pilot

The total number of completions from the Phase 1 Pilot was 372. Of these, only 15 resulted from the probability-based sample (random digit dial or address-based sample).

The more effective incentive overall was the contingent \$25 gift card compared to being entered into a sweepstakes:

- Overall, gift cards (n=183) had 60% more completions than sweepstakes (n=114).
- In the self-administered mail-back sequence, gift cards (n=111) had more than twice as many completions as sweepstakes (n=53)
- In the telephone sequence, there was virtually no difference between gift cards and sweepstakes.

The best sequence by mode was the advance letter with web questionnaire followed by self-administered mail-back questionnaire (SAM), then switching mode to telephone (CATI).

- SAM (n=113) had a higher number of completions than CATI (n=65).
- The web mode which was used in both the telephone and SAM sequence had a total of 119 completions (WEB+CATI n=68, and WEB+SAM n=51, respectively).
- The WEB+SAM sequence allowed a mode switch to telephone (to increase number of responses) while the Phase 2 sequence began fielding. This yielded an additional 75 completions mostly from CATI.

Additional findings:

- CATI was the best mode to collect a balanced distribution by gender and incentive group.
- WEB was the best mode to collect a balanced distribution across all ages, 18 to 24 years.
- Sweepstakes was the better incentive to attract young adults 18 to 21 years of age.
- Across the Phase 1 Pilot (including the mode switch), WEB (n=120), CATI (n=125), SAM (n=127) had similar number of completions.

Phase 2, final data collection

Phase 2 data collection was informed by the Phase 1 Pilot and utilized the best mode and incentive combination. Results from the Phase 1 Pilot revealed the best mode sequence was the advance letter with WEB followed by a self-administered mail-back (SAM) questionnaire, followed by a mode switch from SAM to telephone. However, the tight timeframe of the project period limited the ability to fully implement this ideal design. Thus, the sequence of Phase 2 was an advance letter with WEB followed by telephone, using the gift card incentive for the entire sample (Figure 3). Potential participants in Phase 2 received an advance letter, reminder letter, and final letter that were modified to improve the persuasive appeal to respond and emphasize the WEB, increasing efficiency and lowering administrative costs. The complete set of Phase 2 mailing materials can be found in Appendix C.

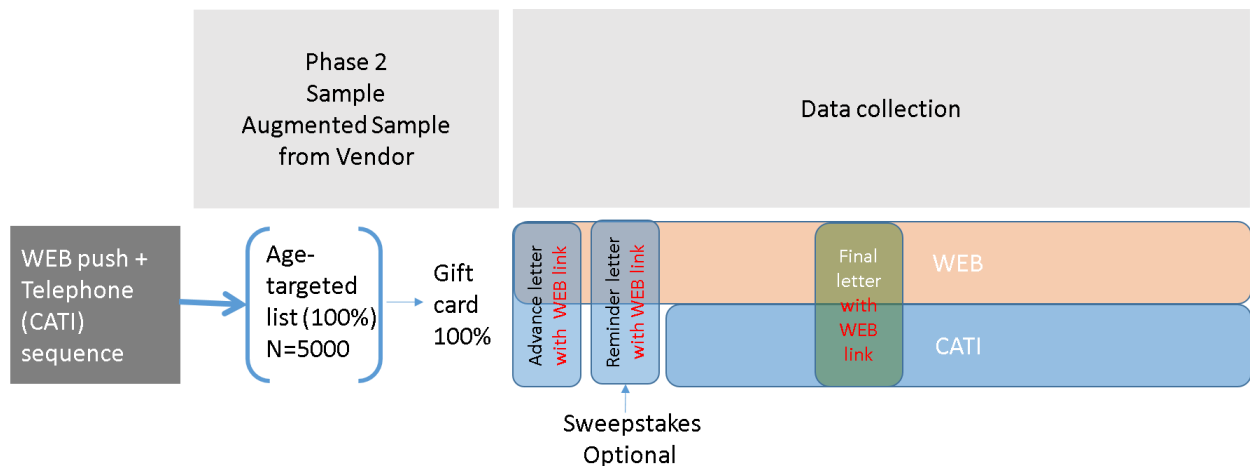


Figure 3. Final design, Phase 2

There were a total of 482 completions in Phase 2 (Table 7). Of these, approximately 80% (n=392) were completed via the web questionnaire.

Table 7. Phase 2 completions.

	Sample source	Sample	Mode		Completions
		(n)	WEB	CATI	(n)
Telephone sequence	Age-targeted list (cell)	5,000	389	89	478
	Snowball sample	NA	3	1	4
	Total		392	90	482

Limitations

- The Phase 1 Pilot is based on an age-targeted listed sample of cellphone numbers for 18 to 24 year olds. Hence the generalizability of the findings may be limited. Future analyses will utilize a “benchmark” approach to help assess the data quality.
- In the Phase 1 Pilot, the 20% random sample (which included both random digit dial cellular & address-based sample) did not yield a substantial number of completions and no conclusions can be drawn from this sampling approach in the current study.
- Although the Phase 1 Pilot informed the Phase 2 data collection, time constraints of the project period limited a full implementation of the best mode and incentive combination.
- The Phase 1 Pilot tested two incentive options, but further testing is needed on the amount of the gift card or relative cash-value of the sweepstakes, such as comparing a \$20 versus \$25 gift card incentive.
- These are all self-reported young adults aged 18 to 24 years old residing in Iowa, and although we checked the respondents’ expected age range and residence against publicly available online resources, a more formal age-verification protocol was not utilized.
- There are differences in responses by mode. More analysis is needed to understand possible differences in demographic characteristics of respondents by mode, and any differences in item response by mode.

References

- The American Association for Public Opinion Research (AAPOR). 2016. *Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys (9th ed.)*. AAPOR.
- Dillman, D. A., Smyth, J. D., & Christian, L. M. (2014). *Internet, phone, mail, and mixed mode surveys: The tailored design method (4th ed.)*. Hoboken, NJ, US: John Wiley & Sons Inc.

Appendix A – Questionnaire & frequency tables

SECTION A

A1. [SAM / CATI] What is your current age? / [WEB] What is your age?

	Valid %	n
18	6.2%	53
19	10.3%	88
20	11.9%	102
21	10.3%	88
22	14.9%	127
23	24.4%	208
24	22.0%	188
Total	100.0%	854
None of these [STOP AND RETURN SURVEY]		

A2. [SAM / WEB] Are you currently living in Iowa? / [CATI] Are you currently residing in Iowa?

	Valid %	n
1 Yes	96.4%	823
2 Yes, only during the summer [SAM / CATI response option only]	3.6%	31
Total	100.0%	854
No [STOP AND RETURN SURVEY]		

A3. What sex were you assigned on your birth certificate?

	Valid %	n
1 Male	42.1%	358
2 Female	57.9%	493
Total	100.0%	851
Don't know / Not sure		1
Prefer not to answer		2

SECTION B - Healthcare and Well-being

B1. When was the last time, if ever, you saw a doctor, physician's assistant (PA), or nurse practitioner (ARNP) for a check-up, also called a health physical?

	Valid %	n
1 Within the last 12 months	66.5%	553
2 12-24 months ago	17.8%	148
3 More than 24 months ago	14.7%	122
4 Never	1.0%	8
Total	100.0%	831
Don't know / Not sure		20
Prefer not to answer		1
No response		2

B2. When was the last time, if ever, you saw a dentist for a check-up, exam, teeth cleaning, or other dental work?

	Valid %	n
1 Within the last 12 months	71.4%	591
2 12-24 months ago	14.3%	118
3 More than 24 months ago	14.3%	118
4 Never	0.1%	1
Total	100.0%	828
Don't know / Not sure		21
Prefer not to answer		3
No response		2

B3. During the past 7 days, on how many days were you physically active for a total of at least 30 minutes per day? (The time you spent in any kind of physical activity that increased your heart rate and made you breathe hard some of the time.)

	Valid %	n
0 days	7.9%	65
1 day	6.1%	50
2 days	11.3%	93
3 days	17.6%	145
4 days	12.7%	105
5 days	16.2%	134
6 days	7.9%	65
7 days	20.4%	168
Total	100.0%	825
Don't know / Not sure		26
Prefer not to answer		1
No response		2

B4. Do you have a trusted person in your life with whom you can talk about serious problems?

	Valid %	n
1 Yes	95.1%	792
2 No	4.9%	41
Total	100.0%	833
Don't know / Not sure		15
Prefer not to answer		3
No response		3

B5. On an average weeknight, how many hours of sleep do you get?

	Valid %	n
2	0.2%	2
3	0.6%	5
4	1.9%	16
5	6.6%	56
6	21.3%	180
7	34.0%	287
8	26.2%	221
9	7.1%	60
10	1.9%	16
12	0.1%	1
14	0.1%	1
Total	100.0%	845
Don't know / Not sure		3
Prefer not to respond		0
No response		6

B6. How would you rate your physical health right now?

	Valid %	n
1 Excellent	8.8%	75
2 Very good	29.4%	250
3 Good	40.0%	340
4 Fair	17.0%	144
5 Poor	4.7%	40
Total	100.0%	849
Don't know / Not sure		2
Prefer not to answer		0
No response		3

B7. How would you rate your mental health right now?

	Valid %	n
1 Excellent	12.6%	107
2 Very good	25.5%	216
3 Good	35.1%	297
4 Fair	19.5%	165
5 Poor	7.3%	62
Total	100.0%	847
Don't know / Not sure		1
Prefer not to answer		3
No response		3

- B8. The next questions are how you feel about your quality of life, health, or other areas of your life.
 [SAM] Please mark whether you are very dissatisfied, somewhat dissatisfied, neither satisfied nor dissatisfied, somewhat satisfied, or very satisfied to the following questions.
 [CATI] Please answer all questions. If you are unsure about which response to give to a question, please choose one response option that appears most appropriate.
 [WEB] Please rate how satisfied or dissatisfied you are with each of the following.

- a. How would you rate your quality of life?

	Valid %	n
1 Very dissatisfied	1.3%	11
2 Somewhat dissatisfied	7.2%	61
3 Neither satisfied nor dissatisfied	7.0%	59
4 Somewhat satisfied	36.6%	310
5 Very satisfied	47.9%	405
Total	100.0%	846
Don't know / Not sure		1
Prefer not to answer		0
No response		7

- b. How satisfied are you with your health?

	Valid %	n
1 Very dissatisfied	3.8%	32
2 Somewhat dissatisfied	13.0%	110
3 Neither satisfied nor dissatisfied	11.2%	95
4 Somewhat satisfied	44.0%	372
5 Very satisfied	27.9%	236
Total	100.0%	845
Don't know / Not sure		0
Prefer not to answer		1
No response		8

- c. How satisfied are you with your ability to perform your daily living activities?

	Valid %	n
1 Very dissatisfied	1.5%	13
2 Somewhat dissatisfied	4.1%	35
3 Neither satisfied nor dissatisfied	5.7%	48
4 Somewhat satisfied	29.9%	253
5 Very satisfied	58.8%	498
Total	100.0%	847
Don't know / Not sure		0
Prefer not to answer		2
No response		5

d. How satisfied are you with yourself?

	Valid %	n
1 Very dissatisfied	3.5%	30
2 Somewhat dissatisfied	10.2%	86
3 Neither satisfied nor dissatisfied	10.0%	85
4 Somewhat satisfied	43.8%	371
5 Very satisfied	32.5%	275
Total	100.0%	847
Don't know / Not sure		0
Prefer not to answer		1
No response		6

e. How satisfied are you with your personal relationships?

	Valid %	n
1 Very dissatisfied	2.6%	22
2 Somewhat dissatisfied	10.1%	85
3 Neither satisfied nor dissatisfied	8.1%	68
4 Somewhat satisfied	36.9%	310
5 Very satisfied	42.3%	355
Total	100.0%	840
Don't know / Not sure		2
Prefer not to answer		1
No response		11

f. How satisfied are you with the conditions of your living place?

	Valid %	n
1 Very dissatisfied	2.1%	18
2 Somewhat dissatisfied	6.0%	51
3 Neither satisfied nor dissatisfied	7.0%	59
4 Somewhat satisfied	26.2%	222
5 Very satisfied	58.7%	497
Total	100.0%	847
Don't know / Not sure		1
Prefer not to answer		1
No response		5

B9. [SAM] The next questions are how you feel about other areas of your life. Please mark to what extent you strongly disagree, somewhat disagree, neither agree nor disagree, somewhat agree, or strongly agree with the following statements. [WEB] How much do you agree or disagree with each statement?

a. I have enough energy for everyday life.

	Valid %	n
1 Strongly disagree	3.1%	26
2 Somewhat disagree	10.6%	90
3 Neither agree nor disagree	5.8%	49
4 Somewhat agree	41.1%	348
5 Strongly agree	39.4%	334
Total	100.0%	847
Don't know / Not sure		0
Prefer not to answer		0
No response		7

b. I have enough money to meet my needs.

	Valid %	n
1 Strongly disagree	7.0%	59
2 Somewhat disagree	13.8%	117
3 Neither agree nor disagree	9.6%	81
4 Somewhat agree	30.0%	254
5 Strongly agree	39.7%	337
Total	100.0%	848
Don't know / Not sure		0
Prefer not to answer		0
No response		6

SECTION C - Tobacco and Nicotine Use

C1 Have you smoked or used tobacco in the last 30 days?

	Valid %	n
1 Yes	17.8%	151
2 No	82.2%	695
Total	100.0%	846
Don't know / Not sure		1
Prefer not to answer		1
No response		6

C2. Have you used e-cigarettes, vape-pens, JUUL, hookah-pens, or mods in the past 30 days?
E-cigarettes - Electronic and/or battery-operated devices designed to deliver an inhaled dose of nicotine or other substances. Examples include electronic cigarettes (e-cigarettes), electronic cigars, electronic cigarillos, electronic hookah, vaporizers, and vape pens. [Electronic Smoking Devices do not include any device or medications approved by the government as nicotine replacement therapy.]

	Valid %	n
1 Yes	17.7%	150
2 No	82.3%	696
Total	100.0%	846
Don't know / Not sure		2
Prefer not to answer		0
No response		6

[C1 or/and C2 Recoded] Use of any tobacco products

	Valid %	n
.00 No tobacco (C1+C2)	74.6%	633
1.00 Yes, any tobacco (C1 OR C2)	25.4%	215
Total	100.0%	848

C3. During the past 12 months, have you made a serious attempt to stop smoking or using any tobacco product?

	Valid %	n
1 Yes	13.4%	104
2 No	86.6%	673
Total	100.0%	777
Don't know / Not sure		36
Prefer not to answer		26
No response		15

C4. During the past 12 months, have you made a serious attempt to stop using vaping products?

	Valid %	n
1 Yes	11.6%	89
2 No	88.4%	680
Total	100.0%	769
Don't know / Not sure		41
Prefer not to answer		28
No response		16

SECTION D - Alcohol and Other Substances

- D1. In the past 30 days, have you driven a car or other motor vehicle while feeling even slightly impaired after using any amount of alcohol or drugs?

	Valid %	n
1 Yes	10.3%	86
2 No [SKIP TO D3]	89.7%	749
Total	100.0%	835
Don't know / Not sure [SKIP TO D3]		5
Prefer not to answer [SKIP TO D3]		7
No response		7

- D2. In the past 30 days, how many days have you driven a car or other motor vehicle while feeling even slightly impaired after using any amount of alcohol or drugs?

	Valid %	n
1	48.8%	42
2	27.9%	24
3	7.0%	6
4	4.7%	4
5	2.3%	2
6	1.2%	1
10	1.2%	1
15	2.3%	2
17	1.2%	1
20	2.3%	2
30	1.2%	1
Total	100.0%	86
Don't know / Not sure		
Prefer not to answer		

- D3. Have you had at least one drink of any alcoholic beverage such as beer, wine, a malt beverage or liquor in the past 30 days?
[One drink is equivalent to a 12-ounce beer, a 5-ounce glass of wine, or a drink with one shot of liquor.]

	Valid %	n
1 Yes	69.7%	590
2 No [SKIP TO D8]	30.3%	257
Total	100.0%	847
Don't know / Not sure [SKIP TO D8]		0
Prefer not to answer [SKIP TO D8]		1
No response		6

D4. During the past 30 days, how many days did you have at least one drink of any alcoholic beverage such as beer, wine, a malt beverage or liquor?

	Valid %	n
1	9.6%	56
2	11.0%	64
3	9.4%	55
4	10.5%	61
5	16.5%	96
6	5.1%	30
7	4.5%	26
8	5.3%	31
9	1.2%	7
10	8.7%	51
12	2.1%	12
13	0.3%	2
14	0.5%	3
15	5.8%	34
16	0.2%	1
17	0.3%	2
18	1.2%	7
20	3.9%	23
21	0.2%	1
24	0.2%	1
25	1.7%	10
28	0.3%	2
29	0.2%	1
30	1.2%	7
Total	100.0%	583
Don't know / Not sure		5
Prefer not to answer		1

D5. During the past 30 days, on the days when you drank, about how many drinks did you drink on the average?

	Valid %	n
1	21.7%	126
2	27.9%	162
3	21.5%	125
4	12.7%	74
5	6.2%	36
6	4.0%	23
7	1.7%	10
8	1.7%	10
10	1.4%	8
11	0.2%	1
12	0.3%	2
15	0.2%	1
18	0.2%	1
20	0.2%	1
30	0.2%	1
Total	100.0%	581
Don't know / Not sure		4
Prefer not to answer		

D6. Considering all types of alcoholic beverages, how many times during the past 30 days did you have 5 or more drinks if you are male, or 4 or more drinks if you female, on an occasion?

	Valid %	n
0	41.0%	238
1	18.9%	110
2	12.0%	70
3	6.7%	39
4	4.8%	28
5	6.4%	37
6	0.9%	5
7	1.7%	10
8	2.4%	14
10	2.6%	15
11	0.2%	1
12	0.9%	5
14	0.2%	1
15	0.2%	1
17	0.2%	1
20	0.5%	3
21	0.2%	1
30	0.3%	2
Total	100.0%	581
Don't know / Not sure		8
Prefer not to answer		

D7. During the past 30 days, what is the largest number of drinks you had on any occasion within a two-hour period?

	Valid %	n
1	14.3%	83
2	23.8%	138
3	21.1%	122
4	16.8%	97
5	8.5%	49
6	6.6%	38
7	2.4%	14
8	2.4%	14
9	0.5%	3
10	1.6%	9
12	0.3%	2
13	0.2%	1
15	1.2%	7
18	0.2%	1
20	0.2%	1
Total	100.0%	579
Don't know / Not sure		7
Prefer not to answer		

D8. In the past 30 days, were you asked to show your ID the last time you bought or tried to buy alcohol in your community?

	Valid %	n
1 Yes	49.6%	420
2 No	13.7%	116
3 I did not buy or try to buy alcohol in my community in the past 30 days	36.6%	310
Total	100.0%	846
Don't know / Not sure		0
Prefer not to answer		2
No response		6

D9. Please indicate whether or not you have experienced each of the following as result of drinking alcohol in the past 12 months.
[CATI - RANDOMIZE]

a. Had friends or family members worry or complain about your drinking

	Valid %	n
1 Yes	4.1%	34
2 No	95.9%	799
Total	100.0%	833
Don't know / Not sure		9
Prefer not to answer		3
No response		9

b. Forgot where you were or what you did (blacked out)

	Valid %	n
1 Yes	9.4%	79
2 No	90.6%	758
Total	100.0%	837
Don't know / Not sure		5
Prefer not to answer		3
		9

c. Got hurt or injured while drinking and required medical attention

	Valid %	n
1 Yes	0.7%	6
2 No	99.3%	836
Total	100.0%	842
Don't know / Not sure		0
Prefer not to answer		3
No response		9

D10. How much risk do the following behaviors pose to a young adult's physical health?
[CATI - RANDOMIZE]

- a. [SAM / CATI] Drinking 5 or more drinks of alcohol if you are male, or 4 or more drinks if you are female within a couple of hours, once a week
[WEB] Drinking 5 or more drinks of alcohol within a couple of hours, once a week

	Valid %	n
1 Significant risk	40.1%	334
2 Moderate risk	37.9%	316
3 Slight risk	17.2%	143
4 No risk	4.8%	40
Total	100.0%	833
Don't know / Not sure		12
Prefer not to answer		2
No response		7

b. Smoking marijuana once a week

	Valid %	n
1 Significant risk	16.1%	132
2 Moderate risk	22.7%	186
3 Slight risk	32.9%	270
4 No risk	28.3%	232
Total	100.0%	820
Don't know / Not sure		22
Prefer not to answer		4
No response		8

c. Using methamphetamine once a week

	Valid %	n
1 Significant risk	87.9%	732
2 Moderate risk	7.7%	64
3 Slight risk	1.7%	14
4 No risk	2.8%	23
Total	100.0%	833
Don't know / Not sure		11
Prefer not to answer		3
No response		7

d. Using cocaine once a week

	Valid %	n
1 Significant risk	82.2%	685
2 Moderate risk	12.4%	103
3 Slight risk	2.4%	20
4 No risk	3.0%	25
Total	100.0%	833
Don't know / Not sure		11
Prefer not to answer		3
No response		7

e. Taking an opioid pain reliever without a prescription once a week

	Valid %	n
1 Significant risk	69.1%	569
2 Moderate risk	19.8%	163
3 Slight risk	8.1%	67
4 No risk	2.9%	24
Total	100.0%	823
Don't know / Not sure		20
Prefer not to answer		3
No response		8

D11. How much risk do the following behaviors pose to a young adult's mental health?

[CATI - RANDOMIZE]

- a. [SAM / CATI] Drinking 5 or more drinks of alcohol if you are male, or 4 or more drinks if you are female within a couple of hours, once a week
 [WEB] Drinking 5 or more drinks of alcohol within a couple of hours, once a week

	Valid %	n
1 Significant risk	45.1%	375
2 Moderate risk	34.6%	288
3 Slight risk	15.1%	126
4 No risk	5.2%	43
Total	100.0%	832
Don't know / Not sure		13
Prefer not to answer		2
No response		7

b. Smoking marijuana once a week

	Valid %	n
1 Significant risk	23.4%	191
2 Moderate risk	24.6%	201
3 Slight risk	27.7%	226
4 No risk	24.4%	199
Total	100.0%	817
Don't know / Not sure		27
Prefer not to answer		3
No response		7

c. Using methamphetamine once a week

	Valid %	n
1 Significant risk	88.7%	738
2 Moderate risk	7.7%	64
3 Slight risk	1.3%	11
4 No risk	2.3%	19
Total	100.0%	832
Don't know / Not sure		12
Prefer not to answer		3
No response		7

d. Using cocaine once a week

	Valid %	n
1 Significant risk	83.2%	690
2 Moderate risk	11.6%	96
3 Slight risk	2.8%	23
4 No risk	2.4%	20
Total	100.0%	829
Don't know / Not sure		15
Prefer not to answer		3
No response		7

e. Taking an opioid pain reliever without a prescription once a week

	Valid %	n
1 Significant risk	72.1%	592
2 Moderate risk	19.6%	161
3 Slight risk	5.5%	45
4 No risk	2.8%	23
Total	100.0%	821
Don't know / Not sure		23
Prefer not to answer		3
No response		7

D12. In the past 30 days, have you used marijuana or cannabis?

	Valid %	n
1 Yes	16.0%	135
2 No [SKIP TO D14]	84.0%	708
Total	100.0%	843
Don't know / Not sure [SKIP TO D14]		2
Prefer not to answer [SKIP TO D14]		3
No response		6

D13. In the past 30 days, how many days have you used marijuana or cannabis?

	Valid %	n
1	15.5%	20
2	17.1%	22
3	7.0%	9
4	5.4%	7
5	3.9%	5
7	1.6%	2
8	2.3%	3
10	5.4%	7
12	1.6%	2
15	3.1%	4
18	1.6%	2
20	3.9%	5
23	0.8%	1
25	3.9%	5
27	0.8%	1
28	0.8%	1
29	0.8%	1
30	24.8%	32
Total	100.0%	129
Don't know / Not sure		1
Prefer not to answer		1
No response		4

D14. In the past 30 days, have you taken any prescription opioid pain relievers, hydrocodone, codeine, oxycodone, morphine, Lortab, Vicodin, Tylenol #3, Percocet, OxyContin, etc., when it was NOT prescribed to you by a doctor, dentist, nurse practitioner, or other healthcare provider? [WEB instruction] We only want to know about prescription medication NOT medication that is available over the counter.

	Valid %	n
1 Yes	1.1%	9
2 No [SKIP TO D16]	98.9%	837
Total	100.0%	846
Don't know / Not sure [SKIP TO D16]		0
Prefer not to answer [SKIP TO D16]		0
No response		8

D15. In the past 30 days, how many days have you taken any prescription opioid pain relievers, hydrocodone, codeine, oxycodone, morphine, Lortab, Vicodin, Tylenol #3, Percocet, OxyContin, etc., when it was NOT prescribed to you by a doctor, dentist, nurse practitioner, or other healthcare provider?

	Valid %	n
1	33.3%	3
2	44.4%	4
3	11.1%	1
15	11.1%	1
Total	100.0%	9
Don't know / Not sure		0
Prefer not to answer		0

D16. In the past 30 days, have you used cocaine?

	Valid %	n
1 Yes	1.1%	9
2 No [SKIP TO D18]	98.9%	837
Total	100.0%	846
Don't know / Not sure [SKIP TO D18]		0
Prefer not to answer [SKIP TO D18]		0
No response		8

D17. In the past 30 days, how many days have you used cocaine?

	Valid %	n
1	44.4%	4
2	33.3%	3
6	11.1%	1
15	11.1%	1
Total	100.0%	9
Don't know / Not sure		0
Prefer not to answer		0

D18. In the past 30 days, have you used methamphetamine?

	Valid %	n
1 Yes	0.2%	2
2 No [SKIP TO D20]	99.8%	844
Total	100.0%	846
Don't know / Not sure [SKIP TO D20]		1
Prefer not to answer [SKIP TO D20]		0
No response		7

D19. In the past 30 days, how many days have you used methamphetamine?

	Valid %	n
15	50.0%	1
20	50.0%	1
Total	100.0%	2
Don't know / Not sure		0
Prefer not to answer		0

D20. In the past 30 days, have you used heroin?

	Valid %	n
1 Yes	0.00%	0
2 No [SKIP TO D22]	100.0%	847
Total	100.0%	847
Don't know / Not sure [SKIP TO D22]		
Prefer not to answer [SKIP TO D22]		
No response		7

D21. In the past 30 days, how many days have you used heroin?

	Valid %	n
Total	100.0%	0
Don't know / Not sure		0
Prefer not to answer		0

D22. Have you ever used a needle to inject any illegal drug into your body?

	Valid %	n
1 Yes	0.5%	4
2 No [SKIP TO E1]	99.5%	843
Total	100.0%	847
Don't know / Not sure [SKIP TO E1]		0
Prefer not to answer [SKIP TO E1]		0
No response		7

D23. How many times have you ever used a needle to inject any illegal drug into your body?

	Valid %	n
5	50.0%	1
20	50.0%	1
Total	100.0%	2
Don't know / Not sure		0
Prefer not to answer		0
No response		2

SECTION E - Mental Health, Sexual Activity, & History of Violence

We understand that these may be sensitive topics and can bring up unpleasant feelings. There are some free resources available to you if you need them now, or in the future. One option is Your Life Iowa (call: 855-581-8111, text: 855-895-8398, online: yourlifeiowa.org) and the other is the Iowa Victim Service Call Center (1-800-770-1650 or text "iowahelp" to 20121).

- E1. During the past 12 months, have you engaged in any form of non-suicidal self-injury or self-harm, such as cutting?

	Valid %	n
1 Yes	4.9%	41
2 No	95.1%	802
Total	100.0%	843
Don't know / Not sure		2
Prefer not to answer		2
No response		7

- E2. During the past 12 months, did you ever feel so sad or hopeless almost every day for two weeks or more in a row that you stopped doing some usual activities?

	Valid %	n
1 Yes	22.7%	188
2 No	77.3%	641
Total	100.0%	829
Don't know / Not sure		14
Prefer not to answer		3
No response		8

- E3. During the past 12 months, have you thought about killing yourself?

	Valid %	n
1 Yes	18.8%	154
2 No	81.2%	664
Total	100.0%	818
Don't know / Not sure		15
Prefer not to answer		14
No response		7

- E4. During the past 12 months, have you made a plan about how you would kill yourself?

	Valid %	n
1 Yes	6.7%	56
2 No	93.3%	781
Total	100.0%	837
Don't know / Not sure		4
Prefer not to answer		6
No response		7

E5. Have you attempted to kill yourself during the past 12 months?		Valid %	n
1	Yes	0.7%	6
2	No	99.3%	835
Total		100.0%	841
Don't know / Not sure			1
Prefer not to answer			5
No response			7

E6. Have you ever had sexual intercourse of any kind – vaginal, anal or oral?		Valid %	n
1	Yes	78.3%	652
2	No [SKIP TO E10]	21.7%	181
Total		100.0%	833
Don't know / Not sure [SKIP TO E10]			1
Prefer not to answer [SKIP TO E10]			13
No response			7

E7. During your life, with how many people have you had sexual intercourse?		Valid %	n
1	1-2 people	39.9%	253
2	3-4 people	20.2%	128
3	5-6 people	12.9%	82
4	7–8 people	7.1%	45
5	9 or more people	19.9%	126
Total		100.0%	634
Don't know / Not sure			11
Prefer not to answer			7

E8. Did you drink alcohol or use drugs before you had sexual intercourse <u>the last time</u> ?		Valid %	n
1	Yes	18.4%	118
2	No	81.6%	525
Total		100.0%	643
Don't know / Not sure			9
Prefer not to answer			0

E9. The last time you had sexual intercourse, what method(s) of birth control, if any, did you or your partner use to prevent pregnancy? [SELECT ALL THAT APPLY]

	Valid %	n
No method was used to prevent pregnancy	11.3%	74
Birth control pills	39.3%	256
Condoms	40.8%	266
An IUD (such as Mirena or ParaGard)	11.2%	73
Implant (such as Implanon or Nexplanon)	7.4%	48
A shot (such as Depo-Provera)	3.7%	24
A patch (such as Ortho Evra)	0.2%	1
A birth control ring (such as NuvaRing)	1.7%	11
Withdrawal	13.3%	87
Some other method [SPECIFY]	1.8%	12
Not applicable	1.5%	10
Don't know / Not sure	0.6%	4
Prefer not to answer	1.1%	7
Total		652

Other responses include natural family planning (2), breastfeeding, PCOS, currently pregnant, Plan B/Morning after pill (2), vasectomy (2), and "married, don't have to use anything."

[Recoded] At least one form of birth control used at last intercourse

	Valid %	n
No	5.7%	37
Yes	94.3%	615
Total	100.0%	652

E10. During the past 12 months, have you been tested for a sexually transmitted disease (STD) such as chlamydia, gonorrhea, or HIV (the virus that causes AIDS)?

	Valid %	n
1 Yes	31.5%	264
2 No	68.5%	575
Total	100.0%	839
Don't know / Not sure		6
Prefer not to answer		2
No response		7

E11. During the past 12 months, did anyone force you to do sexual things that you did not want to do? (Count such things as kissing, touching, or being physically forced to have sexual intercourse.)

	Valid %	n
1 Yes	3.6%	30
2 No [SKIP TO E13]	96.4%	811
Total	100.0%	841
Don't know / Not sure [SKIP TO E10]		1
Prefer not to answer [SKIP TO E10]		5
No response		7

E12. During the past 12 months, how many times did anyone force you to do sexual things that you did not want to do? (Count such things as kissing, touching, or being physically forced to have sexual intercourse.)

	Valid %	n
1	57.1%	16
2	21.4%	6
3	14.3%	4
4	3.6%	1
5	3.6%	1
Total	100.0%	28
Don't know / Not sure		0
Prefer not to answer		1
No response		1

E13. Have you dated or gone out with anyone in the past 12 months? (Instruction added July 9, 2019 at the time of Phase 1 Pilot Questionnaire Packet 2: If you are married or living with a partner, please select 'yes'.)

	Valid %	n
1 Yes	72.8%	612
2 No [SKIP TO F1]	27.2%	229
Total	100.0%	841
Don't know / Not sure [SKIP TO F1]		1
Prefer not to answer [SKIP TO F1]		5
No response		7

E14. During the past 12 months, did someone you were dating or going out with force you to do sexual things that you did not want to do? (Count such things as kissing, touching, or being physically forced to have sexual intercourse.)

	Valid %	n
1 Yes	2.8%	17
2 No [SKIP TO E16]	97.2%	592
Total	100.0%	609
Don't know / Not sure [SKIP TO E16]		1
Prefer not to answer [SKIP TO E16]		0
No response		2

E15. During the past 12 months, how many times did someone you were dating or going out with force you to do sexual things that you did not want to do? (Count such things as kissing, touching, or being physically forced to have sexual intercourse.)

	Valid %	n
1	50.0%	7
2	21.4%	3
3	7.1%	1
4	7.1%	1
5	14.3%	2
Total	100.0%	14
Don't know / Not sure		0
Prefer not to answer		1
No response		2

E16. During the past 12 months, did someone you were dating or going out with physically hurt you on purpose? (Count such things as being hit, slammed into something, or injured with an object or weapon.)

	Valid %	n
1 Yes	1.8%	11
2 No [SKIP TO F1]	97.9%	599
Total	100.0%	610
Don't know / Not sure [SKIP TO F1]		1
Prefer not to answer [SKIP TO F1]		0
No response		1

E17. During the past 12 months, how many times did someone you were dating or going out with physically hurt you on purpose? (Count such things as being hit, slammed into something, or injured with an object or weapon.)

	Valid %	n
1	25.0%	2
2	12.5%	1
3	25.0%	2
5	12.5%	1
6	12.5%	1
8	12.5%	1
Total	100.0%	8
Don't know / Not sure		1
Prefer not to answer		0
No response		2

SECTION F - Gaming and Betting

F1. During the past 12 months, how often did you bet or gamble on games at a casino such as poker, roulette, craps, slot machines or blackjack?

	Valid %	n
1 About every day	0.0%	0
2 One to three times a week	0.5%	4
3 Once or twice a month	2.5%	21
4 A few days a year	10.6%	90
5 Only one day in the past 12 months	10.4%	88
6 NONE	76.0%	644
Total	100.0%	847
Don't know / Not sure		0
Prefer not to answer		0
No response		7

F2. During the past 12 months, how often did you bet or gamble on lotteries such as Powerball, Hot Lotto, Mega Millions, and daily numbers or other lottery games like scratch tickets or pull tabs?

	Valid %	n
1 About every day	0.1%	1
2 One to three times a week	0.8%	7
3 Once or twice a month	4.3%	36
4 A few days a year	14.3%	121
5 Only one day in the past 12 months	8.5%	72
6 NONE	72.0%	608
Total	100.0%	845
Don't know / Not sure		2
Prefer not to answer		0
No response		7

F3. During the past 12 months, how often did you bet or gamble on Fantasy Sports leagues, Daily Fantasy Sports, or other sports wagering?

	Valid %	n
1 About every day	0.1%	1
2 One to three times a week	0.6%	5
3 Once or twice a month	1.5%	13
4 A few days a year	3.1%	26
5 Only one day in the past 12 months	2.7%	23
6 None	92.0%	778
Total	100.0%	846
Don't know / Not sure		0
Prefer not to answer		1
No response		7

SECTION G - Background

G1. Are you Hispanic, Latinx, or Spanish origin?

	Valid %	n
1 Yes	7.7%	65
2 No	92.3%	776
Total	100.0%	841
Don't know / Not sure		3
Prefer not to answer		3
No response		7

G2. Which one or more of the following would you say is your race? [SELECT ALL THAT APPLY]

	Valid %	n
White	91.3%	780
Black or African American	3.6%	31
Asian	1.4%	12
Native Hawaiian or Other Pacific Islander	2.6%	22
American Indian or Alaska Native	0.4%	3
Other [SPECIFY]	2.1%	18
Don't know / Not sure	0.6%	5
Prefer not to answer	1.1%	9
Total		854

G3. [IF MORE THAN ONE RACE] Which one of these groups would you say best represents your race?

	Valid %	n
1 White	37.9%	11
2 Black or African American	27.6%	8
3 Asian	3.4%	1
4 Native Hawaiian or Other Pacific Islander	3.4%	1
5 American Indian or Alaska Native	0.0%	0
6 Other [SPECIFY]	27.6%	8
Total	100.0%	29
Don't know / Not sure		1
Prefer not to answer		1

[Recoded] Race and/or ethnicity

	Valid %	n
0.00 LatinX all races	7.6%	65
1.00 White	84.7%	723
2.00 Black or African American	2.7%	23
3.00 Asian	0.6%	5
4.00 Native Hawaiian or Other Pacific Islander	2.2%	19
5.00 American Indian or Native American	0.1%	1
6.00 Other [SPECIFY]	0.6%	5
8.00 Multiple races, did not specify best race	1.5%	13
Total	100.0%	854

G4. What is the highest grade or year of school you completed?

	Valid %	n
1 Less than high school	1.8%	15
2 High school graduate or equivalent	20.3%	171
3 Some college, trade school or Associate's degree	45.5%	384
4 Bachelor's degree	29.1%	246
5 Master's or other professional degree	3.3%	28
Total	100.0%	844
Don't know / Not sure		1
Prefer not to answer		2
No response		7

G5. In what county do you currently live?

	Valid %	n
1 Adair	0.5%	3
3 Adams	0.0%	0
5 Allamakee	0.3%	2
7 Appanoose	0.0%	0
9 Audubon	0.3%	2
11 Benton	0.6%	4
13 Black Hawk	6.6%	43
15 Boone	1.1%	7
17 Bremer	0.6%	4
19 Buchanan	0.0%	0
21 Buena Vista	0.9%	6
23 Butler	0.6%	4
25 Calhoun	0.3%	2
27 Carroll	0.5%	3
29 Cass	0.3%	2
31 Cedar	0.2%	1
33 Cerro Gordo	1.7%	11
35 Cherokee	0.0%	0
37 Chickasaw	0.8%	5
39 Clarke	0.2%	1
41 Clay	0.2%	1
43 Clayton	0.8%	5
45 Clinton	1.1%	7
47 Crawford	0.0%	0
49 Dallas	3.1%	20
51 Davis	0.0%	0
53 Decatur	0.0%	0
55 Delaware	0.6%	4
57 Des Moines	0.6%	4
59 Dickinson	0.3%	2
61 Dubuque	4.3%	28
63 Emmet	0.0%	0
65 Fayette	0.2%	1
67 Floyd	1.7%	11
69 Franklin	0.0%	0
71 Fremont	0.0%	0
73 Greene	0.2%	1
75 Grundy	0.2%	1
77 Guthrie	0.2%	1
79 Hamilton	0.2%	1
81 Hancock	0.2%	1
83 Hardin	0.6%	4
85 Harrison	0.5%	3
87 Henry	0.5%	3
89 Howard	0.3%	2
91 Humboldt	0.2%	1
93 Ida	0.2%	1
95 Iowa	1.1%	7
97 Jackson	0.6%	4
99 Jasper	0.9%	6

101 Jefferson	0.5%	3
103 Johnson	9.6%	63
105 Jones	0.5%	3
107 Keokuk	0.3%	2
109 Kossuth	0.2%	1
111 Lee	0.9%	6
113 Linn	8.2%	54
115 Louisa	0.2%	1
117 Lucas	0.2%	1
119 Lyon	0.3%	2
121 Madison	0.5%	3
123 Mahaska	0.0%	0
125 Marion	0.9%	6
127 Marshall	0.8%	5
129 Mills	0.2%	1
131 Mitchell	0.3%	2
133 Monona	0.0%	0
135 Monroe	0.2%	1
137 Montgomery	0.2%	1
139 Muscatine	1.8%	12
141 O'Brien	0.5%	3
143 Osceola	0.2%	1
145 Page	0.6%	4
147 Palo Alto	0.3%	2
149 Plymouth	0.5%	3
151 Pocahontas	0.0%	0
153 Polk	14.8%	97
155 Pottawattamie	1.2%	8
157 Poweshiek	0.6%	4
159 Ringgold	0.0%	0
161 Sac	0.0%	0
163 Scott	4.9%	32
165 Shelby	0.2%	1
167 Sioux	1.5%	10
169 Story	6.0%	39
171 Tama	0.5%	3
173 Taylor	0.5%	3
175 Union	0.2%	1
177 Van Buren	0.2%	1
179 Wapello	0.8%	5
181 Warren	1.5%	10
183 Washington	1.1%	7
185 Wayne	0.2%	1
187 Webster	0.9%	6
189 Winnebago	0.2%	1
191 Winneshiek	0.5%	3
193 Woodbury	3.7%	24
195 Worth	0.0%	0
197 Wright	0.0%	0
Total	100.0%	655
Not applicable county name (e.g. USA, America)		148
No response		51

G6. Are you currently a student?

	Valid %	n
1 Yes, full-time	41.8%	352
2 Yes, part-time	7.4%	62
3 No	50.9%	429
Total	100.0%	843
Don't know / Not sure		2
Prefer not to answer		1
No response		8

G7. What is your employment status? [SELECT ALL THAT APPLY]

	Valid %	n
Employed full time 35 hours or more per week	47.1%	402
Employed part time	36.1%	308
Not employed – seeking work	6.9%	59
Not employed – unable to work	0.9%	8
Not employed – not seeking work	7.7%	66
Serving in the armed forces, including National Guard	0.8%	7
Don't know / Not sure	0.5%	4
Prefer not to answer	0.7%	6
Total		854

G8. What is your annual gross income from all sources before taxes?

	Valid %	n
11 Less than \$15,000	43.2%	333
12 \$15,000 to less than \$25,000	21.2%	163
13 \$25,000 to less than \$35,000	11.8%	91
14 \$35,000 to less than \$50,000	12.2%	94
15 \$50,000 to less than \$75,000	8.4%	65
16 \$75,000 to less than \$100,000	1.3%	10
17 \$100,000 to less than \$150,000	1.2%	9
18 \$150,000 or more	0.6%	5
Total	100.0%	770
Don't know / Not sure		56
Prefer not to answer		20
No response		8

G9. [IF G8 = Don't know / Not sure or G8 = Prefer not to answer] Can you tell me if your annual gross income is less than, equal to, or greater than \$50,000?

	Valid %	n
1 Less than \$50,000	97.1%	33
2 Equal to \$50,000	0.0%	0
3 More than \$50,000	2.9%	1
Total	100.0%	34
Don't know / Not sure		29
Prefer not to answer		13

G10. Does your financial support come primarily from yourself, your parents, or someone else in your household?

	Valid %	n
1 Self	53.1%	444
2 Parents	20.8%	174
3 Someone else [SPECIFY]	3.8%	32
8 Combination	22.2%	186
Total	100.0%	836
Don't know / Not sure		5
Prefer not to answer		6
No response		7

Someone else (or other) includes partner/significant other (14), grandparent(s) (4), federal student loans (2), SSI (2), and child support (3).

G11. Are you currently living...?

	Valid %	n
1 Alone	9.7%	81
2 With parents/family members	42.9%	359
3 With roommates	24.1%	202
4 With a spouse, or significant other	21.1%	177
5 With someone else [SPECIFY]	2.2%	18
Total	100.0%	837
Don't know / Not sure		1
Prefer not to answer		6
No response		10

Other includes combined households of parent(s)/family members and significant other (6), and with family during part of the year and alone/roommates during school year/clinical rotations (6).

G12. Where do you live for most of the year?

	Valid %	n
1 With your parents/guardians in a house or apartment they own or rent	34.3%	286
2 In a house or apartment that you rent	41.0%	342
3 In a house, condominium or townhouse that you own	10.9%	91
4 On-campus housing (dorm, or fraternity/sorority)	11.6%	97
5 Some other arrangement [SPECIFY]	2.3%	19
Total	100.0%	835
Don't know / Not sure		0
Prefer not to answer		11
No response		8

Other includes partner/significant other's home (7), camper/trailer (2), other relatives' home (2), travels/moves around (2), work-supplied housing, "with mom that I pay rent to", and group home.

G13. Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plans such as Medicaid?

	Valid %	n
1 Yes	89.7%	730
2 No [SKIP TO G15]	10.3%	84
Total	100.0%	814
Don't know / Not sure [SKIP TO G15]		28
Prefer not to answer [SKIP TO G15]		5
No response		7

G14. Is that coverage a plan...?

	Valid %	n
1 You buy on your own	12.3%	87
2 Get through a university	1.3%	9
3 Get through your parents	70.7%	502
4 Medicaid	12.0%	85
5 Something else [SPECIFY]	3.8%	27
Total	100.0%	710
Don't know / Not sure		8
Prefer not to answer		3
No response		9

Other responses include through an employer (17), a spouse's plan (3), a combination of parents and Medicaid (2), "Iowa health", military, or other family members (not parents).

G15. How would you describe your current gender identity? [SELECT ALL THAT APPLY]

	Valid %	n
Man	41.1%	351
Woman	56.8%	485
Genderqueer	0.4%	3
Transgender man (female-to-male)	0.2%	2
Transgender woman (male-to-female)	0.4%	3
Another gender identity [Please specify]	0.5%	4
Don't know / Not sure	0.1%	1
Prefer not to answer	0.6%	5
Total		854

Other responses include nonbinary (2), genderfluid/non-conforming, and androgynous.

G16. Which of the following best represents how you think of yourself?

	Valid %	n
1 Lesbian or Gay	3.2%	27
2 Straight, that is, not gay	85.6%	713
3 Bisexual	9.6%	80
4 Something else [SPECIFY]	1.6%	13
Total	100.0%	833
Don't know / Not sure		9
Prefer not to answer		5
No response		7

Other includes pansexual (7), asexual (2), fluid, heteroflexible, mostly straight, and demisexual.

G17. Are you...? (Item added July 9, 2019 at time of Phase 1 Pilot Questionnaire Packet 2)

	Valid %	n
1 Married	7.9%	55
2 Divorced	0.3%	2
3 Widowed	0.0%	0
4 Separated	0.3%	2
5 Never married	75.8%	529
6 A member of an unmarried couple	15.8%	110
Total	100.0%	698
Don't know / Not sure		0
Prefer not to answer		12
No response		144

Appendix B – Phase 1 Pilot mailing materials

June 28, 2019

Phase 1 Pilot_Telephone Sequence
Advance letter (Sweepstakes)_English



Address1
Address2

Dear Iowa Resident:

In the coming weeks, selected individuals in your community will be contacted by researchers at the Center for Social and Behavioral Research at the University of Northern Iowa to participate in a telephone interview. The purpose of the study is to gather views and opinions for the Iowa Department of Public Health to better understand the health and experiences of young adults aged 18-24 throughout Iowa.

You have been selected to represent other young adults in Iowa in a study in which approximately 400 young adult Iowans will participate. To ensure that our sample represents the range of young adults in Iowa, the participation of every possible respondent is very important. In appreciation for your willingness to participate, if you provide your name and email address after completing the questionnaire, **those who are 18-24 years old will be entered into a drawing for one of 15 sets of Beats headphones or one of 25 Amazon Echo smart speakers that will be given away at the end of the data collection period later this summer.** Age must be confirmed to be eligible. With approximately 400 responses, **each individual will have a 1 in 10 or better chance of winning.**

In the next couple of weeks, you will receive a phone call asking you to take part in a brief telephone survey. At this time, additional information will be provided and your eligibility to participate will be confirmed. Participation is voluntary and you may decide about participation at that time or ask for a call at a more convenient time. Your responses will be kept confidential, and no individual information will be reported.

The phone number we have for you is: [XXX-XXX-XXXX]. If this number will not reach you, please contact us at csbr@uni.edu or 800-251-1466 to update your number. Please leave a message with your address and the correct number for you – to maintain your privacy, please do not leave your name.

If you prefer to complete the questionnaire **online**, please go to the following link or scan the QR Code:

If there is more than one adult 18-24 years old in the household, the questionnaire should be filled out by the young adult who had the most recent birthday.
If there is no young adult 18-24 years old in the household, please indicate that on the first item of the online questionnaire.

[LINK]

~or~

[QR CODE]

Thank you very much for your consideration. We look forward to speaking with you. If you have questions, please contact us at csbr@uni.edu or 800-251-1466. Leave a message with your first name, phone number or email address and we will get back to you.

Sincerely,

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research



June 28, 2019

Phase 1 Pilot_Telephone Sequence
Advance letter (Sweepstakes)_Spanish



Address1
Address2

Estimado residente del estado de Iowa:

En las próximas semanas, un grupo de personas seleccionadas en su comunidad serán contactados por investigadores del Centro de Investigación Social y de Conducta de la Universidad del Norte de Iowa para invitarlos a participar en una encuesta telefónica. El propósito de este estudio es coleccionar datos para el Departamento de Salud de Iowa sobre las opiniones y percepciones de adultos jóvenes entre 18 a 24 años de edad para entender su estado de salud y sus experiencias en el estado de Iowa.

Usted ha sido seleccionado para representar a otros adultos jóvenes en Iowa. Se estima que unos 400 adultos jóvenes participarán en este estudio. Para asegurar que los participantes representan la población de adultos jóvenes en Iowa, es muy importante que cada uno de los participantes seleccionados responda la encuesta. Como agradecimiento por tu participación, si nos das tu nombre y dirección electrónica, después de completar la entrevista, **aquellos que son 18 a 24 años de edad serán parte de un sorteo de uno de los 15 auriculares marca Beats o uno de los 25 parlantes inteligentes de Amazon -Echo- que serán sorteados al final del periodo de recolección de datos a fines de este verano.** La edad deberá ser confirmada para ser elegible. Con unos 400 participantes, **1 de cada 10 participantes tendrá la probabilidad de ganar uno de estos premios.**

En las próximas 2 semanas, usted recibirá una llamada telefónica para invitarle a participar en la encuesta mencionada. Durante esa llamada, recibirá informaciones adicionales y se confirmará si califica para este estudio. La participación es voluntaria y durante la llamada podrá decidir si contestar la encuesta inmediatamente o pedir que se le llame en otro momento más oportuno para completar la encuesta. Sus respuestas serán confidenciales, y ninguna información personal será divulgada en el futuro.

El número telefónico que tenemos es: [XXX-XXX-XXXX]. Si este número no es el correcto, por favor contáctanos al csbr@uni.edu o en el 800-251-1466 para darnos el número correcto. Por favor, deje solamente su dirección y el número telefónico. Para mantener su privacidad, por favor no deje su nombre en el mensaje.

Si prefiere completar la encuesta en **Internet**, por favor vaya al siguiente enlace de Internet o escanee el siguiente código QR:

Si más de un adulto joven entre 18 y 24 años viven en el hogar, el cuestionario deberá contestado por el adulto joven que ha celebrado su cumpleaños recientemente.
Si no vive ningún adulto joven entre 18 y 24 años, por favor indique en la primera pregunta del cuestionario en Internet.

[LINK]

~or~

[QRCODE]

Muchas gracias por su consideración. Esperamos poder comunicarnos pronto. Si tiene alguna pregunta, por favor, contáctanos usando el correo csbr@uni.edu o el teléfono 800-251-1466. Por favor, deje su nombre (sin el apellido), el número telefónico o correo electrónico y le devolveremos la llamada o el mensaje.

Sinceramente,

Mary E. Losch, PhD
Profesor y Director
Centro de Investigación Social y de Conducta



June 28, 2019

Phase 1 Pilot_Telephone Sequence
Advance letter (Gift card)_English



Address1
Address2

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[LINK]

~or~

[QRCODE]

Thank you very much for your consideration. We look forward to speaking with you. If you have questions, please contact us at csbr@uni.edu or 800-251-1466. Leave a message with your first name, phone number or email address and we will get back to you.

Sincerely,

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research



[ID1] [ID2]

June 28, 2019

Phase 1 Pilot_Telephone Sequence
Advance letter (Gift card)_Spanish



Address1
Address2

Estimado residente del estado de Iowa:

En las próximas semanas, un grupo de personas seleccionadas en su comunidad serán contactados por investigadores del Centro de Investigación Social y de Conducta de la Universidad del Norte de Iowa para invitarlos a participar en una encuesta telefónica. El propósito de este estudio es coleccionar datos para el Departamento de Salud de Iowa sobre las opiniones y percepciones de adultos jóvenes entre 18 a 24 años de edad para entender su estado de salud y sus experiencias en el estado de Iowa.

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[LINK]

~or~

[QRCODE]

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Sinceramente,

Mary E. Losch, PhD
Profesor y Director
Centro de Investigación Social y de Conducta



[ID1] [ID2]

June 28, 2019

Address1
Address2

Phase 1 Pilot_SAM sequence
Advance letter (Sweepstakes)_English



Dear Iowa Resident:

The Center for Social and Behavioral Research at the University of Northern Iowa is gathering views and opinions for the Iowa Department of Public Health to better understand the health and experiences of young adults aged 18-24 throughout the state. The findings will be used to improve public health services for young adults in Iowa.

Please help us by having one young adult in your household complete an online questionnaire, which should take less than 15 minutes to complete. To ensure that our sample represents the range of young adults in Iowa, the participation of every possible respondent is very important. In appreciation for your willingness to participate, if you provide your name and email address after completing the questionnaire, **those who are 18-24 years old will be entered into a drawing for one of 15 sets of Beats headphones or one of 25 Amazon Echo smart speakers that will be given away at the end of the data collection period later this summer.** Age must be confirmed to be eligible. We expect approximately 400 responses **giving each individual a 1 in 10 or better chance of winning.**

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If there is no young adult 18-24 years old in the household, please indicate that on the first item of the online questionnaire.

To review the additional information about the study and complete the online questionnaire, please go to the following link or scan the QR Code below:

[LINK]

~or~

[QR CODE]

Responses will be kept confidential, and no individual information will be reported. If you have questions, please contact us at csbr@uni.edu or 800-251-1466. Leave a message with your first name, phone number or email address and we will get back to you. Thank you in advance for your help. We look forward to hearing from you.

Sincerely,

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research



June 28, 2019

Phase 1 Pilot_SAM sequence
Advance letter (Sweepstakes)_Spanish



Address1

Address2

Estimado residente del estado de Iowa:

El Centro de Investigación Social y de Conducta de la Universidad del Norte de Iowa está recolectando las percepciones y opiniones para el Departamento de Salud Pública de Iowa para poder entender mejor el estado de salud y experiencias de adultos jóvenes entre 18 a 24 años en todo el estado. Los resultados serán usados para mejorar los servicios a los adultos jóvenes en Iowa.

Por favor, ayúdenos completando el cuestionario en Internet por un adulto joven. Completar el cuestionario tomará menos de 15 minutos. Para asegurar que los participantes representan la población de adultos jóvenes en Iowa, es muy importante que todos los posibles encuestados participen. Como agradecimiento por tu participación, si nos das tu nombre y dirección electrónica, después de completar la entrevista, **aquellos que son 18 a 24 años de edad serán parte de un sorteo de uno de los 15 auriculares marca Beats o unos de los 25 parlantes inteligentes de Amazon -Echo- que serán sorteados al final del periodo de recolección de datos a fines de este verano.** La edad deberá ser confirmada para ser elegible. Con unos 400 participantes, **1 de cada 10 participantes tendrá la probabilidad de ganar uno de estos premios.**

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Para revisar información adicional sobre el estudio y completar el cuestionario, por favor vaya al siguiente enlace de **Internet** o escanee el siguiente código QR:

[LINK]

~or~

[QR CODE]

Sus respuestas serán confidenciales, y ninguna información personal será divulgada en el futuro. Si tiene alguna pregunta, por favor, contáctanos usando el correo csbr@uni.edu o el teléfono 800-251-1466. Por favor, deje su nombre (sin el apellido), el número telefónico o correo electrónico y le devolveremos la llamada o el mensaje. Gracias por su ayuda y esperamos tener noticias en el futuro cercano.

Sinceramente,

Mary E. Losch, PhD
Profesor y Director
Centro de Investigación Social y de Conducta

Iowa
YOUNG ADULT SURVEY

[ID1] [ID2]

June 28, 2019

Phase 1 Pilot_SAM sequence
Advance letter (Gift card)_English



Address1
Address2

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[LINK]

~or~

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Sincerely,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research



June 28, 2019

Phase 1 Pilot_SAM sequence
Advance letter (Gift card)_Spanish



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Si más de un adulto joven entre 18 y 24 años viven en el hogar, el cuestionario deberá contestado por el adulto joven que ha celebrado su cumpleaños recientemente.

Si no vive ningún adulto joven entre 18 y 24 años, por favor indique en la primera pregunta del cuestionario en Internet.

Para revisar información adicional sobre el estudio y completar el cuestionario, por favor vaya al siguiente enlace de **Internet** o escanee el siguiente código QR:

[LINK]

~or~

[QRCODE]

Sus respuestas serán confidenciales, y ninguna información personal será divulgada en el futuro. Si tiene alguna pregunta, por favor, contáctanos usando el correo csbr@uni.edu o el teléfono 800-251-1466. Por favor, deje su nombre (sin el apellido), el número telefónico o correo electrónico y le devolveremos la llamada o el mensaje. Gracias por su ayuda y esperamos tener noticias en el futuro cercano.

Sinceramente,

Mary E. Losch, PhD
Profesor y Director
Centro de Investigación Social y de Conducta

[ID1] [ID2]

July 10, 2019

Phase 1 Pilot_SAM sequence
Questionnaire Packet 1-Cover Letter (Sweepstakes)_English



Address1
Address2

Dear Iowa Resident:

Last week, we mailed you a letter asking for your help with a study for the Iowa Department of Public Health about the health and experiences of young adults aged 18-24 throughout Iowa. A link and QR code to an online version of the questionnaire was included.

If you or someone in your household has already completed the online questionnaire, please accept our thanks and recycle the enclosed paper version. If you have not completed the online version, please consider doing so in the next few days, or you may complete the enclosed paper questionnaire instead, and return it in the enclosed postage-paid envelope.

The questionnaire should take less than 15 minutes to complete. The findings will be used to improve public health services for young adults in Iowa. Responses will be kept confidential, and no individual information will be reported. In appreciation for your willingness to participate, if you send us an email with your name and address after completing the questionnaire, **those who are 18-24 years old will be entered into a drawing for one of 15 sets of Beats headphones or one of 25 Amazon Echo smart speakers that will be given away at the end of the data collection period later this summer.** Age must be confirmed to be eligible. We expect approximately 400 responses, **giving each individual a 1 in 10 or better chance of winning.**

If there is more than one adult 18-24 years old in the household, only one version (online or paper) of the questionnaire should be filled out by the young adult who had the most recent birthday.

If there is no young adult 18-24 years old in the household, please indicate that on the first item of the questionnaire.

If you would prefer a Spanish version of the questionnaire or have questions, please contact us at csbr@uni.edu or 800-251-1466. Leave a message with your first name, phone number or email address and we will get back to you.

Sincerely,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research

Iowa
YOUNG ADULT SURVEY

[ID1] [ID2]

July 10, 2019

 Phase 1 Pilot_SAM sequence
 Questionnaire Packet 1-Cover Letter (Sweepstakes)_Spanish


Address1

Address2

Estimado residente del estado de Iowa:

La semana pasada, le enviamos una carta invitándole a participar en un estudio para el Departamento de Salud de Iowa sobre las opiniones y percepciones de adultos jóvenes entre 18 a 24 años de edad para entender su estado de salud y sus experiencias en el estado de Iowa. En esa letra anterior le incluimos un enlace de Internet y un código QR para la encuesta en Internet.

Si usted o alguien en su hogar ya ha completado el cuestionario en Internet, por favor acepte nuestro agradecimiento y recicle el cuestionario de papel que está incluido en este envío. Si no ha completado el cuestionario en Internet, por favor considere completar el cuestionario los próximos días o complete el cuestionario de papel que estamos enviando y retornarlo usando el sobre que cubre el costo postal.

Completar el cuestionario tomará menos de 15 minutos. Los resultados serán usados para mejorar los servicios a los adultos jóvenes en Iowa. Sus respuestas serán confidenciales, y ninguna información personal será divulgada en el futuro. Como agradecimiento por tu participación, si nos das tu nombre y dirección postal, después de completar la entrevista, **aquellos que son 18 a 24 años de edad serán parte de un sorteo de uno de los 15 auriculares marca Beats o unos de los 25 parlantes inteligentes de Amazon -Echo- que serán sorteados al final del periodo de recolección de datos a fines de este verano.** La edad deberá ser confirmada para ser elegible. Con unos 400 participantes, **1 de cada 10 participantes tendrá la probabilidad de ganar uno de estos premios.**

Si más de un adulto joven entre 18 y 24 años viven en el hogar, sólo una versión del cuestionario (en Internet o papel) deberá contestado por el adulto joven que ha celebrado su cumpleaños recientemente.

Si no vive ningún adulto joven entre 18 y 24 años, por favor indique en la primera pregunta del cuestionario.

Si usted prefiere un cuestionario en Español o tiene alguna pregunta, por favor, contáctanos usando el correo csbr@uni.edu o el teléfono 800-251-1466. Por favor, deje su nombre (sin el apellido), el número telefónico o correo electrónico y le devolveremos la llamada o el mensaje.

Sinceramente,



Mary E. Losch, PhD
 Profesor y Director
 Centro de Investigación Social y de Conducta



July 10, 2019

Phase 1 Pilot_SAM sequence
Questionnaire Packet 1-Cover Letter (Gift card)_English



Address1
Address2

Dear Iowa Resident:

Last week, we mailed you a letter asking for your help with a study for the Iowa Department of Public Health about the health and experiences of young adults aged 18-24 throughout Iowa. A link and QR code to an online version of the questionnaire was included.

If you or someone in your household has already completed the online questionnaire, please accept our thanks and recycle the enclosed paper version. If you have not completed the online version, please consider doing so in the next few days, or you may complete the enclosed paper questionnaire instead, and return it in the enclosed postage-paid envelope.

The questionnaire should take less than 15 minutes to complete. The findings will be used to improve public health services for young adults in Iowa. Responses will be kept confidential, and no individual information will be reported. In appreciation for your willingness to participate, if you send us an email with your name and address after completing the questionnaire, **you will receive a \$25 Amazon gift code** upon age verification.

If there is more than one adult 18-24 years old in the household, only one version (online or paper) of the questionnaire should be filled out by the young adult who had the most recent birthday.

If there is no young adult 18-24 years old in the household, please indicate that on the first item of the questionnaire.

If you would prefer a Spanish version of the questionnaire or have questions, please contact us at csbr@uni.edu or 800-251-1466. Leave a message with your first name, phone number or email address and we will get back to you.

Sincerely,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research

Iowa
YOUNG ADULT SURVEY

[ID1] [ID2]

July 10, 2019

Phase 1 Pilot_SAM sequence
Questionnaire Packet 1-Cover Letter (Gift card)_Spanish



Address1
Address2

Estimado residente del estado de Iowa:

La semana pasada, le enviamos una carta invitándole a participar en un estudio para el Departamento de Salud de Iowa sobre las opiniones y percepciones de adultos jóvenes entre 18 a 24 años de edad para entender su estado de salud y sus experiencias en el estado de Iowa. En esa letra anterior le incluimos un enlace de Internet y un código QR para la encuesta en Internet.

Si usted o alguien en su hogar ya ha completado el cuestionario en Internet, por favor acepte nuestro agradecimiento y recicle el cuestionario de papel que está incluido en este envío. Si no ha completado el cuestionario en Internet, por favor considere completar el cuestionario los próximos días o complete el cuestionario de papel que estamos enviando y retornarlo usando el sobre que cubre el costo postal.

Completar el cuestionario tomará menos de 15 minutos. Los resultados serán usados para mejorar los servicios a los adultos jóvenes en Iowa. Sus respuestas serán confidenciales, y ninguna información personal será divulgada en el futuro. Como agradecimiento por tu participación, si nos da su nombre y su dirección postal, después de completar el cuestionario **recibirá un código de acceso por el monto de \$25 dólares en forma de cupón para Amazon** después de verificar su edad.

Si más de un adulto joven entre 18 y 24 años viven en el hogar, sólo una versión del cuestionario (en Internet o papel) deberá contestado por el adulto joven que ha celebrado su cumpleaños recientemente.

Si no vive ningún adulto joven entre 18 y 24 años, por favor indique en la primera pregunta del cuestionario.

Si usted prefiere un cuestionario en Español o tiene alguna pregunta, por favor, contáctanos usando el correo csbr@uni.edu o el teléfono 800-251-1466. Por favor, deje su nombre (sin el apellido), el número telefónico o correo electrónico y le devolveremos la llamada o el mensaje.

Sinceramente,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Profesor y Director
Centro de Investigación Social y de Conducta

Iowa
YOUNG ADULT SURVEY

Phase 1 Pilot_SAM sequence
Reminder Postcard 1 (July 12, 2019)



Center for Social and Behavioral Research
Cedar Falls, IA 50614-0402



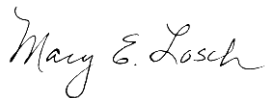
Name
Address 1 Address 2
CITY, STATE ZIP

Recently we asked for your help in a study about the health and experiences of young adults in Iowa.

If you or someone in your household has already completed the online or paper questionnaire, please accept our sincere appreciation for your help. If not, please have the adult **aged 18-24 with the most recent birthday** complete the questionnaire in the next few days.

If you have any questions please contact us at csbr@uni.edu or 800-251-1466.

Sincerely,



Mary E. Losch, PhD
Director, Center for Social & Behavioral Research
University of Northern Iowa

Si usted prefiere un cuestionario en Español o tiene alguna pregunta, por favor, contáctanos usando el correo csbr@uni.edu o el teléfono 800-251-1466.

Phase 1 Pilot_SAM sequence
Questionnaire Packet 2-Cover Letter (Sweepstakes)_English



July 24, 2019

Address1
Address2

Dear Iowa Resident:

About two weeks ago, we sent you a survey packet asking for your help with a study for the Iowa Department of Public Health about the health and experiences of young adults throughout the state. We have not yet received a completed questionnaire from you.

We are writing again because of the importance of hearing from as many 18-24 year olds as possible to ensure that the results represent all young adults in Iowa. We invite an **adult (18-24 years old) in your household with the most recent birthday** to complete the enclosed questionnaire and return it in the stamped envelope provided as soon as possible.

The questionnaire should take less than 15 minutes to complete. The findings will be used to improve public health services for young adults in Iowa. Responses will be kept confidential, and no individual information will be reported. In appreciation for your willingness to participate, if you send us an email with your name and address after completing the questionnaire, **those who are 18-24 years old will be entered into a drawing for one of 15 sets of Beats headphones or one of 25 Amazon Echo smart speakers that will be given away at the end of the data collection period later this summer.** Age must be confirmed to be eligible. We expect approximately 400 responses, **giving each individual a 1 in 10 or better chance of winning.**

If you would prefer a Spanish version of the questionnaire or have questions, please contact us at csbr@uni.edu or 800-251-1466. Leave a message with your first name, phone number or email address and we will get back to you.

Sincerely,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research

Iowa
YOUNG ADULT SURVEY

July 24, 2019

Phase 1 Pilot_SAM sequence
Questionnaire Packet 2-Cover Letter (Sweepstakes)_Spanish



Address1

Address2

Estimado residente del estado de Iowa:

Hace unas dos semanas, le enviamos un sobre conteniendo una carta invitándole a participar en un estudio para el Departamento de Salud de Iowa sobre las opiniones y percepciones de adultos jóvenes en el estado de Iowa. Aún no hemos recibido las respuestas a este cuestionario de usted.

Estamos escribiéndole de nuevo, porque es importante que todos adultos jóvenes invitados entre 18 a 24 años de edad participe en la encuesta, para mejor representar todos los adultos jóvenes del Estado. Les invitamos que un adulto (entre 18 y 24 años) en su hogar que ha celebrado su cumpleaños recientemente, complete el cuestionario y lo retorne -usando el sobre incluido con costo postal pre pagado- lo antes posible.

Completar el cuestionario tomará menos de 15 minutos. Los resultados serán usados para mejorar los servicios a los adultos jóvenes en Iowa. Sus respuestas serán confidenciales, y ninguna información personal será divulgada en el futuro. Como agradecimiento por tu participación, si nos das tu nombre y dirección postal, después de completar la entrevista, **aquellos que son 18 a 24 años de edad serán parte de un sorteo de uno de los 15 auriculares marca Beats o unos de los 25 parlantes inteligentes de Amazon - Echo- que serán sorteados al final del periodo de recolección de datos a fines de este verano.** La edad deberá ser confirmada para ser elegible. Con unos 400 participantes, **1 de cada 10 participantes tendrá la probabilidad de ganar uno de estos premios.**

Si usted prefiere un cuestionario en Español o tiene alguna pregunta, por favor, contáctanos usando el correo csbr@uni.edu o el teléfono 800-251-1466. Por favor, deje su nombre (sin el apellido), el número telefónico o correo electrónico y le devolveremos la llamada o el mensaje.

Sinceramente,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Profesor y Director
Centro de Investigación Social y de Conducta

Iowa
YOUNG ADULT SURVEY



Phase 1 Pilot_SAM sequence
Questionnaire Packet 2-Cover Letter (Gift card)_English

July 24, 2019

Address1

Address2

Dear Iowa Resident:

About two weeks ago, we sent you a survey packet asking for your help with a study for the Iowa Department of Public Health about the health and experiences of young adults throughout the state. We have not yet received a completed questionnaire from you.

We are writing again because of the importance of hearing from as many 18-24 year olds as possible to ensure that the results represent all young adults in Iowa. We invite an **adult (18-24 years old) in your household with the most recent birthday** to complete the enclosed questionnaire and return it in the stamped envelope provided as soon as possible.

The questionnaire should take less than 15 minutes to complete. The findings will be used to improve public health services for young adults in Iowa. Responses will be kept confidential, and no individual information will be reported. In appreciation for your willingness to participate, if you send us an email with your name and address after completing the questionnaire, **you will receive a \$25 Amazon gift code** upon age verification.

If you would prefer a Spanish version of the questionnaire or have questions, please contact us at csbr@uni.edu or 800-251-1466. Leave a message with your first name, phone number or email address and we will get back to you.

Sincerely,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research

Iowa
YOUNG ADULT SURVEY

[ID1] [ID2]

July 24, 2019

Phase 1 Pilot_SAM sequence
Questionnaire Packet 2-Cover Letter (Gift card)_Spanish



Address1

Address2

Estimado residente del estado de Iowa:

Hace unas dos semanas, le enviamos un sobre conteniendo una carta invitándole a participar en un estudio para el Departamento de Salud de Iowa sobre las opiniones y percepciones de adultos jóvenes en el estado de Iowa. Aún no hemos recibido las respuestas a este cuestionario de usted.

Estamos escribiéndole de nuevo, porque es importante que todos adultos jóvenes invitados entre 18 a 24 años de edad participe en la encuesta, para mejor representar todos los adultos jóvenes del Estado. Les invitamos que un adulto (entre 18 y 24 años) en su hogar que ha celebrado su cumpleaños recientemente, complete el cuestionario y lo retorne -usando el sobre incluido con costo postal pre pagado- lo antes posible.

Completar el cuestionario tomará menos de 15 minutos. Los resultados serán usados para mejorar los servicios a los adultos jóvenes en Iowa. Sus respuestas serán confidenciales, y ninguna información personal será divulgada en el futuro. Como agradecimiento por tu participación, si nos da su nombre y su dirección postal, después de completar el cuestionario **recibirá un código de acceso por el monto de \$25 dólares en forma de cupón para Amazon** después de verificar su edad.

Si usted prefiere un cuestionario en Español o tiene alguna pregunta, por favor, contáctanos usando el correo csbr@uni.edu o el teléfono 800-251-1466. Por favor, deje su nombre (sin el apellido), el número telefónico o correo electrónico y le devolveremos la llamada o el mensaje.

Sinceramente,

A handwritten signature in cursive script that reads "Mary E. Losch".

Mary E. Losch, PhD
Profesor y Director
Centro de Investigación Social y de Conducta

Iowa
YOUNG ADULT SURVEY

Phase 1 Pilot_SAM sequence
Reminder Postcard 2 (July 30, 2019)


Center for Social and Behavioral Research
Cedar Falls, IA 50614-0402

Name
Address 1 Address 2
CITY, STATE ZIP

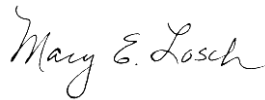
ID1 ID2

Over the past few weeks, we have asked for your help in a study about the health and experiences of young adults in Iowa. Because we have not heard from you, we are sending a final reminder.

The survey will close soon, but you can help us by having the young adult in your household **aged 18-24 with the most recent birthday** complete the questionnaire in the next few days. If you or someone in your household has already done so, please accept our sincere thanks.

If you have any questions please contact us at csbr@uni.edu or 800-251-1466.

Sincerely,



Mary E. Losch, PhD
Director, Center for Social & Behavioral Research
University of Northern Iowa

Si usted prefiere un cuestionario en Español o tiene alguna pregunta, por favor, contáctanos usando el correo csbr@uni.edu o el teléfono 800-251-1466.

Phase 1 Pilot_mode switch
Final letter (Incentive choice)_English



August 13, 2019

Address1
Address2

Dear [GivenName]:

In recent weeks, our research team has invited young adults aged 18-24 years old throughout the state to complete a questionnaire about your health and experiences.

The survey will close soon, but there is still time to participate by going to the following link or scanning the QR Code below to complete the questionnaire.

[LINK]

~or~

[QRCODE]

The Iowa Department of Public Health is seeking your input to better meet the needs of young adults in Iowa. In appreciation for your willingness to participate, if you provide your name and email address after completing the questionnaire, those who are 18-24 years old may choose to receive a **\$25 Amazon gift code** or be entered into a **drawing for one of 15 sets of Beats headphones or one of 25 Amazon Echo smart speakers** that will be given away at the end of the data collection period later this summer.

This is the last contact we will be sending you about this survey. **Please take 15 minutes in the next day or so to assist IDPH in learning about the health of Iowans like you.**

If you have any questions, please contact us at 800-251-1466 or csbr@uni.edu, and we will get back to you.

With thanks,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research

Iowa
YOUNG ADULT SURVEY

[ID1] [ID2]

Phase 1 Pilot_ mode switch
Final letter (Incentive choice)_Spanish



August 13, 2019

Address1
Address2

Estimado/a [GivenName]:

Hace unas semanas, nuestro equipo de estudio de investigación ha invitado a adultos jóvenes entre 18 y 24 años, en todo el estado, para completar el cuestionario sobre la salud y experiencias relacionadas a la salud.

El estudio está por terminar, pero todavía hay tiempo para participar yendo al enlace de Internet o usando el código QR para completar el cuestionario.

[LINK]

~or~

[QRCODE]

El departamento de salud pública de Iowa espera obtener sus opiniones para atender mejor las necesidades de adultos jóvenes de Iowa. Como agradecimiento por tu participación, si nos da su nombre, dirección electrónica, y dirección postal después de completar la entrevista, aquellos que son entre 18 y 24 años de edad podrá elegir recibir entre un **cupón de \$25 dólares de Amazon**, o para entrar en el **sorteo de uno de los 15 auriculares marca Beats o unos de los 25 parlantes inteligentes de Amazon -Echo-** que serán sorteados al final del periodo de recolección de datos a fines de este verano.

Este es el último mensaje que le enviaremos por el correo postal. **Por favor, tome unos 15 minutos de su tiempo en los próximos días para ayudar a entender al IDPH sobre la salud de residentes de Iowa como usted.**

Gracias por su tiempo y si tiene alguna pregunta, contáctanos en csbr@uni.edu o en el número telefónico 800-251-1466, y le devolveremos el mensaje o la llamada.

Mil gracias,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Profesor y Director
Center for Social & Behavioral Research

The logo for the Iowa Young Adult Survey features the word "Iowa" in large green letters, with a green outline of the state of Iowa to its right. Below this, the words "YOUNG ADULT SURVEY" are written in blue, all-caps, sans-serif font.

[ID1] [ID2]

Appendix C – Phase 2 mailing materials

August 8, 2019

Phase 2_ WEB + Telephone sequence
Advance letter (Gift card)_English



Address1
Address2

Dear [GivenName]:

We need your input. To improve public health services for young adults in Iowa, the Iowa Department of Public Health invites you to participate in a statewide survey.

Reaching this group of Iowans is challenging, and we need your help. To ensure that our data represent young adults in Iowa, several hundred completed questionnaires are needed. We are currently off to a good start, but need about 200 more young adults to participate for the data to be representative.

In the next couple of weeks, you will receive a phone call from researchers at the Center for Social and Behavioral Research from the University of Northern Iowa asking you to take part in a brief telephone survey. At this time, additional information about the survey will be provided and your eligibility to participate will be confirmed. Participation is voluntary, and you may decide whether to participate at that time or ask for a call at a more convenient time. Your responses will be kept confidential, and no individual information will be reported. In appreciation for your willingness to participate, if you provide your name and email address after completing the interview, **you will receive a \$25 Amazon gift code** upon age verification.

We know your time is valuable. If you prefer to complete the questionnaire **online**, please go to the following link or scan the QR Code below. **Would you please take 15 minutes in the next day or so to assist IDPH in learning about the health of Iowans like you?**

If there is more than one adult 18-24 years old in the household, the questionnaire should be filled out by the young adult who had the most recent birthday.
If there is no young adult 18-24 years old in the household, please indicate that on the first item of the online questionnaire.

[LINK]

~or~

[QR CODE]

Thank you for your consideration. The phone number we have for you is: [XXX-XXX-XXXX]. If this number will not reach you or if you have questions, please contact us at csbr@uni.edu or 800-251-1466. To update your number, please leave a message with your address and the correct number – to maintain your privacy, please do not leave your name. If you have questions, please leave a message and we will get back to you.

Sincerely,

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research



[ID1] [ID2]

August 8, 2019

Address1
Address2

Phase 2_ WEB + Telephone sequence
Advance letter (Gift card)_Spanish



Estimado/a [GivenName]:

¡Necesitamos su opinión! Para mejorar los servicios de salud pública para adultos jóvenes de Iowa, el Departamento de Salud Pública (IDPH) les invita a participar en este estudio a nivel del estado.

Convencer a este grupo de residentes jóvenes de Iowa es difícil, y necesitamos de su ayuda. Para asegurar que los datos representen a los adultos jóvenes de Iowa, necesitamos varios cientos de cuestionarios completos. Hemos tenido un buen comienzo, pero necesitamos al menos 200 participantes más, que sean adultos jóvenes, para que los datos sean representativos del estado.

En las próximas 2 semanas, usted recibirá una llamada telefónica de parte investigadores del Centro de Investigación Social y de Conducta de la Universidad del Norte de Iowa para invitarlos a participar en una encuesta telefónica. Durante esa llamada, recibirá informaciones adicionales y se confirmará si califica para este estudio. La participación es voluntaria y durante la llamada podrá decidir si contestar la encuesta inmediatamente o pedir que se le llame en otro momento más oportuno para completar la encuesta. Sus respuestas serán confidenciales, y ninguna información personal será divulgada en el futuro. Como agradecimiento por tu participación, si nos da su nombre y dirección electrónica, después de completar la entrevista, **recibirá un código de acceso por el monto de \$25 dólares en forma de cupón para Amazon.**

Sabemos que su tiempo es importante. Si prefiere completar la encuesta en **Internet**, por favor vaya al siguiente enlace de Internet o escanee el siguiente código QR. **¿Podría, por favor, tomar 15 minutos de su tiempo en los próximos días para asistir al IDPH para que aprenda sobre el estado de salud de residentes de Iowa como usted?**

Si más de un adulto joven entre 18 y 24 años viven en el hogar, el cuestionario deberá contestado por el adulto joven que ha celebrado su cumpleaños recientemente.

Si no vive ningún adulto joven entre 18 y 24 años, por favor indique en la primera pregunta del cuestionario en Internet.

[LINK]

~or~

[QRCODE]

Muchas gracias por su consideración. El número telefónico que tenemos es: [XXX-XXX-XXXX]. Si éste número no es el correcto, o tiene alguna pregunta, por favor contáctanos al csbr@uni.edu o en el 800-251-1466. Para actualizar su número, deje solamente su dirección y el número telefónico. Para mantener su privacidad, por favor no deje su nombre en el mensaje. Si tiene alguna pregunta, por favor deje un mensaje y le devolveremos la llamada.

Sinceramente,

Mary E. Losch, PhD
Profesor y Director
Center for Social & Behavioral Research

Iowa
YOUNG ADULT SURVEY

[ID1] [ID2]

August 13, 2019

Phase 2_WEB + Telephone sequence
Reminder letter (Gift card)_English



Address1
Address2

Dear [GivenName],

We need 15 minutes of your time. Recently we asked for your help in a study about the health and experiences of young adults in Iowa.

If you or someone in your household already completed the online questionnaire, please accept our sincere appreciation for your help. If not, would you please consider giving 15 minutes of your time, and **have the adult aged 18-24 with the most recent birthday complete the questionnaire in the next day or so?**

In a few days, researchers at the Center for Social and Behavioral Research at the University of Northern Iowa will begin calling to invite you to take part in a brief telephone survey. We know your time is valuable. If you prefer to complete the questionnaire **online**, please go to the following link or scan the QR Code below.

[LINK]

~or~

[QRCODE]

The questionnaire should take less than 15 minutes to complete. The findings will be used to improve public health services for young adults in Iowa. Responses will be kept confidential, and no individual information will be reported.

In appreciation for your willingness to participate, if you provide your name and email after completing the questionnaire, those who are 18-24 years old may choose to receive a **\$25 Amazon gift card** or be entered into a **drawing for one of 15 sets of Beats headphones or one of 25 Amazon Echo smart speakers** that will be given away at the end of the data collection period later this summer. Age must be confirmed to be eligible. Those who participate in the drawing will have an approximately **1 in 4 or better chance of winning.**

The phone number we have for you is: [XXX-XXX-XXXX]. If this number will not reach you, please contact us at csbr@uni.edu or 800-251-1466. To update your number, please leave a message with your address and the correct number -to maintain your privacy; please do not leave your name.

Thank you for your consideration. If you have questions, please contact us at csbr@uni.edu or 800-251-1466, and we will get back to you.

Sincerely,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research

Iowa
YOUNG ADULT SURVEY

[ID1] [ID2]

August 13, 2019

Phase 2_ WEB + Telephone sequence
Reminder letter (Gift card)_Spanish



Address1
Address2

Estimado/a [GivenName],

¡Necesitamos 15 minutos de su tiempo! Recientemente le preguntamos si nos podría ayudar en un estudio sobre la salud y experiencias relacionadas a la salud de los adultos jóvenes de Iowa.

Si usted o alguien en su hogar ya ha completado el cuestionario en Internet, por favor acepte nuestro agradecimiento. Si no lo ha podido hacer todavía, por favor, ¿podría considerar de nuevo si nos puede ayudar con 15 minutos de su tiempo, y hacer que **un adulto entre 18 y 24 años que ha celebrado su cumpleaños recientemente** complete el cuestionario en los próximos días?

En unos pocos días, usted recibirá una llamada telefónica de parte investigadores del Centro de Investigación Social y de Conducta de la Universidad del Norte de Iowa para invitarlos a participar en una encuesta telefónica. Sabemos que su tiempo es importante. Si prefiere completar la encuesta en **Internet**, por favor vaya al siguiente enlace de Internet o escanee el siguiente código QR.

[LINK]

~or~

[QR CODE]

Completar el cuestionario le debe tomar menos de 15 minutos. Los datos serán usados para mejorar los servicios de salud a los adultos jóvenes de Iowa. Las respuestas serán confidenciales, y ninguna información personal será divulgada en el futuro.

Como agradecimiento por tu participación, si nos da su nombre, y dirección electrónica, después de completar la entrevista, aquellos que son entre 18 y 24 años de edad podrá elegir recibir entre un **cupón de \$25 dólares de Amazon**, o para entrar en el **sorteo de uno de los 15 auriculares marca Beats o unos de los 25 parlantes inteligentes de Amazon -Echo-** que serán sorteados al final del periodo de recolección de datos a fines de este verano. La edad deberá ser confirmada para ser elegible. Para aquellos que entra en el sorteo, 1 de cada 4 participantes tendrá la probabilidad de ganar uno de estos premios.

El número telefónico que tenemos es: [XXX-XXX-XXXX]. Si éste número no es el correcto, por favor contáctanos al csbr@uni.edu o en el 800-251-1466. Para actualizar su número, deje solamente su dirección y el número telefónico. Para mantener su privacidad, por favor no deje su nombre en el mensaje.

Gracias por su tiempo y si tiene alguna pregunta, contáctanos en csbr@uni.edu o en el número telefónico 800-251-1466, y le devolveremos el mensaje o la llamada.

Sinceramente,

Mary E. Losch, PhD
Profesor y Director
Center for Social & Behavioral Research

Iowa
YOUNG ADULT SURVEY

[ID1] [ID2]

Phase 2_WEB + Telephone sequence
Final letter (Incentive choice)_English



August 27, 2019

Address1
Address2

Dear [GivenName]:

In recent weeks, our research team has invited young adults aged 18-24 years old throughout the state to complete a questionnaire about your health and experiences.

The survey will close soon, but there is still time to participate by going to the following link or scanning the QR Code below to complete the questionnaire.

[LINK]

~or~

[QRCODE]

The Iowa Department of Public Health is seeking your input to better meet the needs of young adults in Iowa. In appreciation for your willingness to participate, if you provide your name and email address after completing the questionnaire, those who are 18-24 years old may choose to receive a **\$25 Amazon gift code** or be entered into a **drawing for one of 15 sets of Beats headphones or one of 25 Amazon Echo smart speakers** that will be given away at the end of the data collection period later this summer.

This is the last contact we will be sending you about this survey. **Please take 15 minutes in the next day or so to assist IDPH in learning about the health of Iowans like you.**

If you have any questions, please contact us at 800-251-1466 or csbr@uni.edu, and we will get back to you.

With thanks,

A handwritten signature in black ink that reads "Mary E. Losch".

Mary E. Losch, PhD
Professor and Director
Center for Social & Behavioral Research

Iowa
YOUNG ADULT SURVEY

[ID1] [ID2]

Phase 2_WEB + Telephone sequence
Final letter (Incentive choice)_Spanish



August 27, 2019

Address1
Address2

Estimado/a [GivenName]:

Hace unas semanas, nuestro equipo de estudio de investigación ha invitado a adultos jóvenes entre 18 y 24 años, en todo el estado, para completar el cuestionario sobre la salud y experiencias relacionadas a la salud.

El estudio está por terminar, pero todavía hay tiempo para participar yendo al enlace de Internet o usando el código QR para completar el cuestionario.

[LINK]

~or~

[QRCODE]

El departamento de salud pública de Iowa espera obtener sus opiniones para atender mejor las necesidades de adultos jóvenes de Iowa. Como agradecimiento por tu participación, si nos da su nombre, dirección electrónica, y dirección postal después de completar la entrevista, aquellos que son entre 18 y 24 años de edad podrá elegir recibir entre un **cupón de \$25 dólares de Amazon**, o para entrar en el **sorteo de uno de los 15 auriculares marca Beats o unos de los 25 parlantes inteligentes de Amazon -Echo-** que serán sorteados al final del periodo de recolección de datos a fines de este verano.

Este es el último mensaje que le enviaremos por el correo postal. **Por favor, tome unos 15 minutos de su tiempo en los próximos días para ayudar a entender al IDPH sobre la salud de residentes de Iowa como usted.**

Gracias por su tiempo y si tiene alguna pregunta, contáctanos en csbr@uni.edu o en el número telefónico 800-251-1466, y le devolveremos el mensaje o la llamada.

Mil gracias,

A handwritten signature in black ink that reads 'Mary E. Losch'.

Mary E. Losch, PhD
Profesor y Director
Center for Social & Behavioral Research

The logo for the Iowa Young Adult Survey features the word 'Iowa' in large green letters, with a green outline of the state of Iowa to its right. Below this, the words 'YOUNG ADULT SURVEY' are written in blue, all-caps, sans-serif font.

[ID1] [ID2]