

PUBLIC USE FILE CODEBOOK

AP VoteCast – 2020 Democratic Primaries

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NORC at the
University of Chicago

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Study Methodology

AP VoteCast is a survey of the American electorate conducted by NORC at the University of Chicago for The Associated Press and Fox News. The survey is funded by AP. In 2020, AP VoteCast covered the Democratic Presidential Primary Elections in 17 states across six election dates. For all election dates, interviews were conducted via phone and web. The surveys concluded as polls closed on Election Day.

- The Iowa caucus on February 3: This survey was conducted January 28 to February 3, 2020.
- The New Hampshire primary on February 11: This survey was conducted February 5 to February 11, 2020.
- The South Carolina primary on February 29: This survey was conducted February 23 to February 29, 2020.
- The Alabama, California, Colorado, Massachusetts, Minnesota, North Carolina, Texas, and Virginia primaries on March 3: These surveys were conducted February 26 to March 3, 2020.
- The Michigan, Missouri, and Mississippi primaries on March 10: These surveys were conducted March 4 to March 10, 2020.
- The Arizona, Florida, and Illinois primaries on March 17: These surveys were conducted March 11 to March 17, 2020.

Respondents who completed the survey during the first four days of the field period were asked if they would be willing to be recontacted for a follow-up survey. Those who consented were contacted during the final three days of the field period and reasked their intent to vote and vote choice. The vote intent and vote choice provided on the re-contact survey was used for the final estimates. Respondents were contacted using their preferred mode with a call from a NORC interviewer or a text or email with a link to complete the short recontact survey online.

AP VoteCast combines interviews with a random sample of registered voters drawn from state voter files with self-identified registered voters selected from nonprobability online panels. Interviews for probability and nonprobability sample were conducted in English and Spanish. Respondents received a small monetary incentive for completing the survey. Participants selected from state voter files were contacted by phone and mail, and had the opportunity to take the survey by phone or online.

VoteCast interviewed both voters and non-voters in the Democratic primaries. Eligibility to complete the survey was based on the type of caucus or primary held in the state. There were three types of caucuses/primaries:

- **Open:** In open states¹, all registered voters were eligible. Those who said they intended to vote in the Democratic primary completed the full survey. Those who said they intended to vote in the Republican primary/caucus or neither completed a set of demographic questions for weighting purposes. The following states had open primaries: Alabama, Illinois, Michigan, Minnesota, Mississippi, Missouri, South Carolina, Texas, Virginia. Iowa's caucus was also open.
- **Semi-closed:** In semi-closed states, respondents were first asked if they are registered as a Democrat, Republican, in another party, or if they are not affiliated with a party. Those who said they were not affiliated with a party were then asked if they planned to vote in the Democratic primary, Republican primary, or neither. Those registered as Democrats or those who said they planned to vote in the Democratic primary were eligible and completed the full survey. Unaffiliated respondents who said they would vote in the Republican primary or neither were also eligible to complete and completed a set of demographic questions for weighting purposes. The following states had semi-closed primaries: California, Colorado, Massachusetts, New Hampshire, North Carolina.
- **Closed:** In closed states, respondents were asked if they are registered as a Democrat, Republican, in another party, or if they are not affiliated with a party. Only those registered as Democrats were eligible to complete and completed the full survey. The following states had closed primaries: Arizona, Florida.

The table below shows the total completed probability interviews among those registered voters classified as eligible based on the type of primary or caucus.

State	Total Probability Interviews	Probability Web interviews	Probability Phone interviews	AAPOR Response Rate 3
Alabama	1,743	1,366	377	2.3
Arizona	2,088	1,859	229	4.2
California	2,884	2,655	229	2.5
Colorado	3,392	3,063	329	4.0
Florida	1,947	1,733	214	3.2
Iowa	4,340	3,695	645	5.9
Illinois	2,310	2,039	271	2.9
Massachusetts	3,304	2,999	305	3.8
Michigan	2,164	1,959	205	3.3
Minnesota	3,235	2,941	294	5.5
Missouri	2,168	1,905	263	3.7
Mississippi	1,282	963	319	1.8
North Carolina	2,408	2,087	321	2.9

¹ For states that cancelled the Republican primary, respondents were asked whether they would have voted in the Republican primary had it not been cancelled. If they said they would have, they were not categorized as a Democratic voter or nonvoter.

New Hampshire	3,462	3,133	329	4.3
South Carolina	2,219	1,863	356	2.8
Texas	1,834	1,482	352	2.4
Virginia	2,732	2,495	237	3.8

This dataset includes Democratic Primary voters and nonvoters who were asked the full survey and excludes those who were only asked demographic questions for weighting purposes. Among these voters and nonvoters:

In 9 states, VoteCast is based on between 1,000 and 3,700 probability-based interviews conducted online and via phone. In an additional 8 states, VoteCast is based on between 1,000 and 3,300 probability-based interviews conducted online and via phone, and between 600 and 2,200 nonprobability interviews conducted online.

For Super Tuesday estimates, the results of the re-contact survey were weighted to represent all early respondents, and then were combined with the results of later responders who completed the initial interview within the final two days of the election. In Minnesota, only responders who completed after Senator Amy Klobuchar dropped out on Monday morning or those who told us earlier they had already voted are included in the final sample. Voters were defined using a likely voter model for each state. Appendix A includes the likely voter model definition for each Democratic Primary contest. Due to quality control checks, 0.10% of respondents were removed from the final sample of completed interviews.

State	Interviews with Democratic Primary Voters and Non-Voters	Probability Interviews	Non-Probability Interviews	Phone interviews	Web interviews
Alabama	1,281	1,281	-	260	1,021
Arizona	2,088	2,088	-	230	1,858
California	4,398	2,427	1,971	186	4,212
Colorado	3,083	3,083	-	286	2,797
Florida	3,904	1,947	1,957	215	3,689
Iowa	3,653	3,653	-	617	3,036
Illinois	3,048	2,206	842	257	2,791
Massachusetts	3,360	2,674	686	221	3,139
Michigan	2,687	2,049	638	194	2,493
Minnesota	1,460	1,460	-	112	1,348
Missouri	2,042	2,042	-	245	1,797
Mississippi	1,175	1,175	-	303	872
North Carolina	2,968	2,045	923	259	2,709
New Hampshire	3,237	3,237	-	297	2,940
South Carolina	1,884	1,884	-	312	1,572

Texas	3,795	1,605	2,190	321	3,474
Virginia	3,069	2,293	776	189	2,880

State	Number of Interviews with Democratic Primary Voters	Margin of Sampling Error for Voters (+/- pp)	Number of Interviews with Democratic Primary Non-Voters	Margin of Sampling Error for Non-Voters (+/- pp)
Alabama	1,193	4.2	88	16.4
Arizona	2,015	3.3	73	17.1
California	4,023	2.3	375	9.6
Colorado	3,006	3.0	77	16.1
Florida	3,412	2.2	492	6.7
Iowa	3,036	3.0	617	5.7
Illinois	2,738	2.7	310	8.3
Massachusetts	3,085	3.1	275	12.1
Michigan	2,460	2.8	227	9.2
Minnesota	1,337	4.7	123	13.0
Missouri	1,891	3.5	151	11.7
Mississippi	1,091	4.1	84	14.0
North Carolina	2,706	2.8	262	8.9
New Hampshire	3,111	3.0	126	13.6
South Carolina	1,499	3.7	385	7.4
Texas	3,268	2.4	527	6.6
Virginia	2,604	2.7	465	7.8

Although there is no statistically agreed upon approach for calculating margins of error for nonprobability samples, these margins of error are estimated using a calculation called the root mean squared error.

Unlike a standard error, a root mean square error does not easily translate into a traditional statistical confidence interval for the vote count for an individual candidate or the vote differential between two candidates. However, a mean square error is a measure of uncertainty that incorporates the variability associated with the poll estimates, as well as the bias associated with the estimates derived from a nonprobability sample.

As with all surveys, VoteCast is subject to multiple sources of error, including from sampling, question wording and order, and nonresponse.

Sampling Details

Probability-based Registered Voter Sample

In each of the 17 states in which VoteCast includes a probability-based sample, NORC obtained a sample of registered voters from Catalist LLC's registered voter database. This database includes listed or modeled demographic information, as well as addresses for registered voters. Additionally some

registered voters also have one or more telephone numbers. This allows all registered voters to be contacted either by mail alone or by mail and telephone. Noncoverage is limited to registered voters who register to vote immediately prior to the election (e.g., states with same day registration laws) and are therefore not on the voter rolls at the time of sampling.

The sample was stratified by state, partisanship (either party affiliation on the voter file or Catalist partisanship model), past primary vote participation, age, and race. In addition, NORC attempted to match sampled records to a registered voter database maintained by L2, which provided additional phone numbers. After the matching, NORC had phone numbers for 79 percent of sampled records, including cell phone numbers for 84 percent of records with a phone number. Prior to dialing, all probability sample records are mailed a postcard inviting them to complete the survey either online using a unique PIN or via telephone by calling a toll-free number. Postcards are addressed by name to the sampled registered voter if that individual is under age 35; postcards are addressed to “registered voter” in all other cases. Telephone interviews are conducted with the adult that answers the phone. Both online and telephone respondents provided confirmation of registered voter status in the state.

Nonprobability Sample

Nonprobability participants were provided by Dynata or Lucid, including members of its third-party panels. The non-probability sample providers used routers as well as direct invitations for recruitment. Among the 12,174 panelists who touched the pre-screener instrument, 9,983 went on to complete the full survey. A response rate cannot be calculated for nonprobability sample. There were no firm demographic quotas, however in CA, FL, and TX, targets were provided for gender, age, and race. Digital fingerprint software and panel-level ID validation is used to prevent respondents from completing the VoteCast survey multiple times. Nonprobability respondents provided self-reported confirmation of registered voter status in the state. Interviews were conducted in English and Spanish.

Weighting Details

VoteCast employs a four-step weighting approach that combines the probability sample with the nonprobability sample, and refines estimates at a subregional level within each state. The 17 state surveys are weighted separately.

First, weights are constructed separately for the probability sample and the nonprobability sample (when available) for each state survey. These weights are adjusted to population totals to correct for demographic imbalances of the responding sample compared to the population of registered voters eligible to vote in the primary contest. In open states, all registered voters are eligible to participate while

in semi-closed or closed states eligibility depends on party registration. The adjustment targets are derived from a combination of data from the U.S. Census Bureau's November 2018 Current Population Survey Voting and Registration Supplement, Catalist's voter file, the 2018 AP VoteCast Survey, and the Census Bureau's 2019 American Community Survey. The variables used were tailored to each state based on whether the state was conducting an open, semi-closed, or closed primary. Appendix B includes further details on the variables used in each state.

Prior to adjusting to population totals, the probability-based registered voter list sample weights are adjusted for probabilities of selection and differential non-response related to factors such as availability of phone numbers, age, race, and partisanship.

Second, all non-probability sample respondents receive a calibration weight. The calibration weight is designed to ensure the non-probability sample is similar to a probability sample in regard to variables that are predictive of vote choice that cannot be fully captured through the prior demographic adjustments. The calibration benchmarks are based on estimates derived from the probability sample. The three variables used for calibration were political ideology, vote in the 2016 Democratic presidential primary, and confidence about the fairness of the 2020 Democratic primary process. For each of these three variables, a benchmark was calculated based on the probability estimate and the non-probability sample was raked to these benchmarks along with the demographic characteristics list below.

	CA	MA	NC	VA	TX	MS	FL	IL
Political ideology – (Very/somewhat liberal, Closer to liberal/neither/closer to conservative/somewhat/very conservative)	x	x	x	x	x	x	x	x
Vote in the 2016 Democratic presidential primary – (Hillary Clinton, Bernie Sanders, Someone else/nonvoter)	x	x	x	x	x	x	x	x
Confidence in the fairness of the 2020 Democratic primary process (Confident, Not confident)	x	x	x	x	x	x	x	x
Age*sex - (18-34 , 35-44, 45-54, 55-64, 65+) * (male, female)	x	x	x	x	x	x	x	x

Race*age - (white, Hispanic, black, other) * (18-34, 35 plus)	x	x	x	x	x	x	x	x
Neighborhood education - Census Block Group divided into four education categories based on % with college degree in gen pop	x	x	x	x	x	x		
Education - (HS grad or less, some college, 4- year college grad, post-graduate)	x	x	x	x	x	x	x	x
Party registration – Democrat, unaffiliated	x	x	x					
Age*sex within registered Democrats ((18-34, 35-54, 55+) * (male, female))	x	x	x					
Race within registered Democrats (NH- White, NH-Black, Hispanic, NH-All Other)	x	x	x					
Age*race within registered Democrats (18-34, 35-54, 55+) * (NH-White, All Other)	x	x	x					
Self-reported party*education (Democrat * (HS grad or less, some college, 4-year college grad, post-graduate))				x	x	x		x
Self-reported party * age ((Democrat, Independent) * (18-34, 35-54, 55+))				x	x	x		x
Self-reported Democrat*race (Democrat * (white, black, other))				x		x		
Self-reported Democrat*race (Democrat * (white, black, Hispanic, other))					x			x
Self-reported party*gender (Democrat *Gender(male, female), Other Party)						x		

Third, all respondents in each state are weighted to improve estimates for substate geographic regions. This weight combines the weighted probability sample and the calibrated non-probability sample, and

then uses a small area model to improve the estimate within subregions of a state. We created between 6 and 19 regions (county groupings) for each state based on vote choice in previous Democratic primary election results in each county. We then used these groupings to generate model-based estimates of vote choice among likely voters.

For each state, there was a separate small area model predicting percent of vote share for each main candidate in the race. The combined sample weight was ratio adjusted to agree with the small area estimates by region (within state) and vote choice (for the main candidates in a given state); this ratio adjustment only applied to likely voters with known vote choice. For all other respondents, they retain their original combined sample weight. The following variables were used as potential covariates in the models: 2016 Democratic Presidential primary election results, 2018 Democratic Senate/Governor primary election results, Catalist partisanship score, Catalist ideology score, population density, median income, percent below poverty line, percent unemployed, percent college degree, portion on public assistance, percent insurance coverage, percent nonwhite, percent citizen, percent 18-34 years old, percent 65 and older, and percent who have not moved in last year. For each state, we included in the models at least one: 1) a political measure such as a past election or Catalist ideology/partisanship score, 2) a measure of socioeconomic status, 3) at least one demographic or geographic measure. Fourth, the survey results are weighted to the actual vote count following the completion of the election. This weighting is done in the 6-19 sub-state regions within each state.

Contact

For more information, visit www.apnorc.org or email info@apnorc.org.

Using Weights

AP VoteCast is designed to be analyzed using weighted data. The data file includes different weights for different types of analyses. For this dataset, all analysis should be done at the state level (e.g. percent of California Democratic Primary Voters who voted for Joe Biden). The weights are not designed to be used for overall measures across states.

The data file includes weights that represent results at two different stages of data collection.

- The FINALVOTE weights should be used to produce estimates that are adjusted to reflect the final vote counts in addition to demographic, geographic, and calibration adjustments. Certified vote count data was provided by AP. AP VoteCast recommends using these weights for most analyses.

- The POLLCLOSE weights can be used to produce estimates prior to any adjustments to final vote counts. These weights are provided for transparency of the methodology to permit comparison of the survey's estimates at poll close but prior to adjusting the survey outcome to match the final vote count.

To reproduce estimates in each state, limit analysis to LIKELYVOTER=1, the state of interest (using either P_STATE or STATENUM) and cases that are not missing PRESVOTEPRIM. The FINALVOTE_STATE_WEIGHT variable should be used for weights.

About The Associated Press-NORC Center for Public Affairs Research

The AP-NORC Center for Public Affairs Research taps into the power of social science research and the highest quality journalism to bring key information to people across the nation and throughout the world.

- The Associated Press is an independent global news organization dedicated to factual reporting. Founded in 1846, AP today remains the most trusted source of fast, accurate, unbiased news in all formats and the essential provider of the technology and services vital to the news business. More than half the world's population sees AP journalism every day. Online: www.ap.org.
- NORC at the University of Chicago is one of the oldest and most respected, objective social science research institutions in the world.

The two organizations have established The AP-NORC Center to conduct, analyze, and distribute social science research in the public interest on newsworthy topics, and to use the power of journalism to tell the stories that research reveals.

Index of Variables: *Listed in the order they appear on the file*

#	Variable	Question	Type	Length	Label
1	SU_ID	N/A	Num	8	CASEID
2	POLLCLOSE_STATE_WEIGHT	N/A	Num	8	POLLCLOSE_STATE_WEIGHT. Weight for state-level analysis before adjusting to vote counts
3	FINALVOTE_STATE_WEIGHT	N/A	Num	8	FINALVOTE_STATE_WEIGHT. Weight for state-level analysis after adjusting to final vote counts
4	MODE	N/A	Num	8	MODE. Survey mode
5	P_STATE	N/A	Char	200	P_STATE. State - Character variable - State abbreviation
6	STATENUM	N/A	Num	8	STATENUM. State - numeric variable
7	LVA	LVA	Num	8	LVA. How interested are you in the caucus/primary election in [STATE]?
8	LVB	LVB	Num	8	LVB. How likely are you to vote in the election?
9	LV	LV	Num	8	LV. Please indicate how likely it is that you will vote in this election.
10	LIKELYVOTER	LVA, LVB, LV, QPVVOTE18, QPVVOTE16PR I	Num	8	LIKELYVOTER. Likely Voter Model
11	WVA	WVA	Num	8	WVA. Did you vote at a polling place today, or did you vote by mail or in person at some point before Election Day?
12	WVB	WVB	Num	8	WVB. If you do vote in this election, which best describes how you plan to cast your ballot?
13	RACE0_VOTE	RACE0, RACE0_LEAN, RACE0M, RACE0M_LEAN	Num	8	RACE0_VOTE. Race 0 candidate vote
14	RACE0_PARTY	RACE0, RACE0_LEAN, RACE0M, RACE0M_LEAN	Num	8	RACE0_PARTY. Race 0 party vote
15	RACE0_RACEID	RACE0, RACE0_LEAN, RACE0M, RACE0M_LEAN	Num	8	RACE0_RACEID. Race 0 race ID

#	Variable	Question	Type	Length	Label
16	RACE0_OFFICEID	RACE0, RACE0_LEAN, RACE0M, RACE0M_LEAN	Char	1	RACE0_OFFICEID. Race 0 office ID
17	RACE0_RACETYPEID	RACE0, RACE0_LEAN, RACE0M, RACE0M_LEAN	Char	1	RACE0_RACETYPEID. Race 0 race type ID
18	PRESVOTEPRIM	RACE0, RACE0_LEAN, RACE0M, RACE0M_LEAN	Num	8	PRESVOTEPRIM. Who do you plan to vote for in the Democratic caucus/primary election for president? Full list
19	ISSUESDEM20	ISSUEDEM20	Num	8	ISSUESDEM20. Which one of the following would you say is the most important issue facing the country?
20	GETAHEAD	GETAHEAD	Num	8	GETAHEAD. Which best describes your family's financial situation? Are you...
21	FAIRECONOMY	FAIRECONOMY	Num	8	FAIRECONOMY. Do you think the country's economic system is fair or unfair to most Americans?
22	TRUMPANGRY	TRUMPANGRY	Num	8	TRUMPANGRY. Which comes closest to your feelings about the Trump administration?
23	IMPEACH	IMPEACH	Num	8	IMPEACH. All in all, do you think the impeachment of President Donald Trump has been worth it, or not?
24	IMPEACHPOL	IMPEACHPOL	Num	8	IMPEACHPOL. In general, do you think the impeachment of President Trump will help or hurt the Democrats politically, or not make much difference either way?
25	CORONAVIRUS	CORONAVIRUS	Num	8	CORONAVIRUS. How concerned are you that you or someone in your family will be infected with the new coronavirus?
26	MARIJUANA20	MARIJUANA20	Num	8	MARIJUANA20. Do you favor or oppose legalizing the recreational use of marijuana nationwide?
27	GOVREG20	GOVREG20	Num	8	GOVREG20. Do you favor or oppose reducing government regulation of business?

#	Variable	Question	Type	Length	Label
28	SINGLEPAYER20	SINGLEPAYER 20	Num	8	SINGLEPAYER20. Do you favor or oppose changing the health care system so that all Americans get their health insurance from a single government plan instead of private health insurance?
29	PUBLICOPT20	PUBLICOPT20	Num	8	PUBLICOPT20. Do you favor or oppose changing the health care system so that every American can buy into a government-run health care plan if they want to?
30	CARBONTAX20	CARBONTAX20	Num	8	CARBONTAX20. Do you favor or oppose taxing the use of carbon based fuels such as coal, oil, and natural gas?
31	STUDENTDEBT20	STUDENTDEBT 20	Num	8	STUDENTDEBT20. Do you favor or oppose the government canceling student loan debt for most people?
32	ABORTION20	ABORTION20	Num	8	ABORTION20. Do you favor or oppose legalizing abortion under any circumstance?
33	CAMPFINANCE20	CAMPFINANCE 20	Num	8	CAMPFINANCE20. Do you favor or oppose limiting how much money a presidential campaign can spend?
34	TARIFF20	TARIFF20	Num	8	TARIFF20. Do you favor or oppose increasing taxes on good imported to the U.S. from other countries?
35	REPARATIONS20	REPARATIONS 20	Num	8	REPARATIONS20. Do you favor or oppose the government making cash payments to the descendants of enslaved people as reparations for slavery and racial discrimination?
36	BORDERSEC20	BORDERSEC2 0	Num	8	BORDERSEC20. Do you favor or oppose increasing security along the U.S.-Mexico Border?
37	CRIMJUSTICE20	CRIMJUSTICE2 0	Num	8	CRIMJUSTICE20. Do you favor or oppose reducing the criminal justice system's focus on policing and prosecuting low-level offenses?

#	Variable	Question	Type	Length	Label
38	BEATDTJBIDEN	BEATDTJBIDEN	Num	8	BEATDTJBIDEN. Thinking about the general election in November, do you think each of the following candidates definitely could, probably could, probably could NOT or definitely could NOT beat Donald Trump? Joe Biden
39	BEATDTBSANDERS	BEATDTBSANDERS	Num	8	BEATDTBSANDERS. Thinking about the general election in November, do you think each of the following candidates definitely could, probably could, probably could NOT or definitely could NOT beat Donald Trump? Bernie Sanders
40	BEATDTEWARREN	BEATDTEWARREN	Num	8	BEATDTEWARREN. Thinking about the general election in November, do you think each of the following candidates definitely could, probably could, probably could NOT or definitely could NOT beat Donald Trump? Elizabeth Warren
41	BEATDTMBLOOMBERG	BEATDTMBLOOMBERG	Num	8	BEATDTMBLOOMBERG. Thinking about the general election in November, do you think each of the following candidates definitely could, probably could, probably could NOT or definitely could NOT beat Donald Trump? Mike Bloomberg
42	DEMLEADER	DEMLEADER	Num	8	DEMLEADER. Overall, how confident are you that the Democratic Party's leadership represents your values?
43	DEM20GENERAL	DEM20GENERAL	Num	8	DEM20GENERAL. Which of the following comes closer to what you will do in the general election this fall: Will you definitely vote for the Democratic candidate against Trump OR does your decision depend on who the Democratic candidate is?

#	Variable	Question	Type	Length	Label
44	FAIRDEMPRIM	FAIRDEMPRIM	Num	8	FAIRDEMPRIM. Overall, how confident are you that the Democratic Party's process to select a presidential nominee is fair?
45	QUALSDEM20BEATDT	QUALSDEM20BEATDT	Num	8	QUALSDEM20BEATDT. How important is each of the following qualities in the Democratic nominee for president? Can beat Donald Trump
46	QUALSDEM20BIPART	QUALSDEM20BIPART	Num	8	QUALSDEM20BIPART. How important is each of the following qualities in the Democratic nominee for president? Will work across party lines
47	QUALSDEM20POLICY	QUALSDEM20POLICY	Num	8	QUALSDEM20POLICY. How important is each of the following qualities in the Democratic nominee for president? Has the best policy ideas
48	QUALSDEM20CARES	QUALSDEM20CARES	Num	8	QUALSDEM20CARES. How important is each of the following qualities in the Democratic nominee for president? Cares about people like you
49	QUALSDEM20LEAD	QUALSDEM20LEAD	Num	8	QUALSDEM20LEAD. How important is each of the following qualities in the Democratic nominee for president? Is a strong leader
50	QUALSDEM20EXP	QUALSDEM20EXP	Num	8	QUALSDEM20EXP. How important is each of the following qualities in the Democratic nominee for president? Has the right experience
51	PURSUEDEM20	PURSUEDEM20	Num	8	PURSUEDEM20. Which is more important to your vote in the Democratic presidential primary?
52	RESTOREDEM20	RESTOREDEM20	Num	8	RESTOREDEM20. Which is more important to your vote in the Democratic presidential primary?

#	Variable	Question	Type	Length	Label
53	IMPTWOMANPRES	IMPTWOMANPRES	Num	8	IMPTWOMANPRES. How important is it to you personally that the United States elects a woman president during your lifetime?
54	IFNOMINEEWOMAN	IFNOMINEEWOMAN	Num	8	IFNOMINEEWOMAN. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who is a woman?
55	IFNOMINEEGAY	IFNOMINEEGAY	Num	8	IFNOMINEEGAY. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who is gay or lesbian?
56	IFNOMINEELIBERAL	IFNOMINEELIBERAL	Num	8	IFNOMINEELIBERAL. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who has strongly liberal views?
57	IFNOMINEEOVER75	IFNOMINEEOVER75	Num	8	IFNOMINEEOVER75. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who is over age 75?
58	IFNOMINEEBILLIONAIRE	IFNOMINEEBILLIONAIRE	Num	8	IFNOMINEEBILLIONAIRE. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who is a billionaire?
59	IFNOMINEEJEWISH	IFNOMINEEJEWISH	Num	8	IFNOMINEEJEWISH. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who is Jewish?

#	Variable	Question	Type	Length	Label
60	DEM20GEN2BIDEN	DEM20GEN2BIDEN	Num	8	DEM20GEN2BIDEN. If each of the following candidates were the Democratic nominee, would you definitely, probably, probably NOT or definitely NOT vote for him against Donald Trump in November? Joe Biden
61	DEM20GEN2SANDERS	DEM20GEN2SANDERS	Num	8	DEM20GEN2SANDERS. If each of the following candidates were the Democratic nominee, would you definitely, probably, probably NOT or definitely NOT vote for him against Donald Trump in November? Bernie Sanders
62	ENTHUSDEM20	ENTHUSDEM20	Num	8	ENTHUSDEM20. How enthusiastic are you about the candidate you are supporting in the Democratic presidential primary?
63	SATISNOMJBIDEN	SATISNOMJBIDEN	Num	8	SATISNOMJBIDEN. How satisfied or dissatisfied would you be if Joe Biden won the Democratic nomination for president?
64	SATISNOMEWARREN	SATISNOMEWARREN	Num	8	SATISNOMEWARREN. How satisfied or dissatisfied would you be if Elizabeth Warren won the Democratic nomination for president?
65	SATISNOMBSANDERS	SATISNOMBSANDERS	Num	8	SATISNOMBSANDERS. How satisfied or dissatisfied would you be if Bernie Sanders won the Democratic nomination for president?
66	SATISNOMPBTIGIEG	SATISNOMPBTIGIEG	Num	8	SATISNOMPBTIGIEG. How satisfied or dissatisfied would you be if Pete Buttigieg won the Democratic nomination for president?
67	SATISNOMAKLOBUCHAR	SATISNOMAKLOBUCHAR	Num	8	SATISNOMAKLOBUCHAR. How satisfied or dissatisfied would you be if Amy Klobuchar won the Democratic nomination for president?
68	SATISNOMTSTEYER	SATISNOMTSTEYER	Num	8	SATISNOMTSTEYER. How satisfied or dissatisfied would you be if Tom Steyer won the Democratic nomination for president?

#	Variable	Question	Type	Length	Label
69	SATISNOMMBLOOMBERG	SATISNOMMBLOOMBERG	Num	8	SATISNOMMBLOOMBERG. How satisfied or dissatisfied would you be if Mike Bloomberg won the Democratic nomination for president?
70	HANDLEDEM20ECON	HANDLEDEM20ECON	Num	8	HANDLEDEM20ECON. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: The economy
71	HANDLEDEM20HEALTH	HANDLEDEM20HEALTH	Num	8	HANDLEDEM20HEALTH. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Health care
72	HANDLEDEM20RACE	HANDLEDEM20RACE	Num	8	HANDLEDEM20RACE. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Issues related to race
73	HANDLEDEM20CLIMATE	HANDLEDEM20CLIMATE	Num	8	HANDLEDEM20CLIMATE. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Climate change
74	HANDLEDEM20IMMIG	HANDLEDEM20IMMIG	Num	8	HANDLEDEM20IMMIG. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Immigration
75	HANDLEDEM20CORRUPT	HANDLEDEM20CORRUPT	Num	8	HANDLEDEM20CORRUPT. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Corruption in government
76	HANDLEDEM20GUN	HANDLEDEM20GUN	Num	8	HANDLEDEM20GUN. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Gun policy

#	Variable	Question	Type	Length	Label
77	HANDLEDEM20FP	HANDLEDEM20FP	Num	8	HANDLEDEM20FP. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Foreign policy
78	TIMEDECIDEPRIM20	TIMEDECIDEPRIM20	Num	8	TIMEDECIDEPRIM20. Which best describes when you decided how you would vote?
79	TIMEDECIDENH	TIMEDECIDENH	Num	8	TIMEDECIDENH. Which best describes when you decided how you would vote?
80	CONTACTPRIM20JBIDEN	CONTACTPRIM20JBIDEN	Num	8	CONTACTPRIM20JBIDEN. For each of the following candidates, please say if you have or have not been contacted directly by an individual on behalf of their campaign, either by phone or in person? Joe Biden
81	CONTACTPRIM20BSANDERS	CONTACTPRIM20BSANDERS	Num	8	CONTACTPRIM20BSANDERS. For each of the following candidates, please say if you have or have not been contacted directly by an individual on behalf of their campaign, either by phone or in person? Bernie Sanders
82	CONTACTPRIM20EWARREN	CONTACTPRIM20EWARREN	Num	8	CONTACTPRIM20EWARREN. For each of the following candidates, please say if you have or have not been contacted directly by an individual on behalf of their campaign, either by phone or in person? Elizabeth Warren
83	CONTACTPRIM20PBUTTIGIEG	CONTACTPRIM20PBUTTIGIEG	Num	8	CONTACTPRIM20PBUTTIGIEG. For each of the following candidates, please say if you have or have not been contacted directly by an individual on behalf of their campaign, either by phone or in person? Pete Buttigieg
84	CONTACTPRIM20AKLOBUCHAR	CONTACTPRIM20AKLOBUCHAR	Num	8	CONTACTPRIM20AKLOBUCHAR. For each of the following candidates, please say if you have or have not been contacted directly by an individual on behalf of their campaign, either by phone or in person? Amy Klobuchar

#	Variable	Question	Type	Length	Label
85	SEETVAD	SEETVAD	Num	8	SEETVAD. In the past couple weeks, have you seen a TV ad for a Democratic presidential candidate?
86	WATCHDEBATE	WATCHDEBATE	Num	8	WATCHDEBATE. In the past couple weeks, have you watched a Democratic presidential debate?
87	QPVVOTE18	QPVVOTE18	Num	8	QPVVOTE18. Voted in 2018 midterm election
88	QPVVOTE16	QPVVOTE16	Num	8	QPVVOTE16. Voted in 2016 presidential election
89	QPVVOTE16PRI	QPVVOTE16PRI	Num	8	QPVVOTE16PRI. Voted in 2016 presidential primary or caucus
90	QPVVOTE16PARTISAN	QPVVOTE16PARTISAN	Num	8	QPVVOTE16PARTISAN. In the 2016 primary, did you vote in the Democratic primary or the Republican primary?
91	QVOTE2016PRIDEM	QVOTE2016PRIDEM	Num	8	QVOTE2016PRIDEM. In the 2016 Democratic presidential primary or caucus, did you support Hillary Clinton, Bernie Sanders, someone else, or did you have no preference?
92	FTVOTEPRIM	FTVOTEPRIM	Num	8	FTVOTEPRIM. Is this election your first time ever voting in a caucus/primary, or not?
93	INTERESTPRIMARY	INTERESTPRIMARY	Num	8	INTERESTPRIMARY. How interested are you in the upcoming caucuses/primary election?
94	DEMVOTE2020SECOND	RACE0M2, RACE0M2_LEAN	Num	8	DEMVOTE2020SECOND. In the Democratic caucus/primary for president, who would be your second choice candidate?
95	TIMEVOTE	WVA, WVB, P_STATE	Num	8	TIMEVOTE. Advance vote
96	ATTENDANCE	ATTENDANCE	Num	8	ATTENDANCE. How often, if at all, do you attend religious services?
97	GUNOWNER	GUNOWNER	Num	8	GUNOWNER. Do you or does any other member of your household own a handgun, rifle, shotgun, or any other kind of firearm?
98	UNIONCATEACHERS	UNIONCATEACHERS	Num	8	UNIONCATEACHERS. Are you or is anyone in your household a member of a teacher's union?

#	Variable	Question	Type	Length	Label
99	UNIONCAOTHER	UNIONCAOTHE R	Num	8	UNIONCAOTHER. Are you or is anyone in your household a member of another type of labor union?
100	UNIONCAFREELANCE	UNIONCAFREE LANCE	Num	8	UNIONCAFREELANCE. Are you or is anyone in your household a freelancer or independent contractor?
101	VET	VET	Num	8	VET. Have you, or has any member of your household, ever served in the U.S. military?
102	RELIG	RELIG	Num	8	RELIG. What is your present religion, if any?
103	LGBT	LGBT	Num	8	LGBT. Do you consider yourself to be gay, lesbian, bisexual or transgender?
104	SEX	SEX	Num	8	SEX. Sex
105	AGE65	AGE	Num	8	AGE65. Age, granular
106	RACETH5	HISPFL, RACE	Num	8	RACETH5. Race/Ethnicity
107	HISPFL	HISPFL	Num	8	HISPFL. Hispanic/Latino heritage
108	EDUC	EDUC	Num	8	EDUC. Education, 4 categories
109	INCOME	INCOME	Num	8	INCOME. 2019 household income
110	PARTY	PID1	Num	8	PARTY. Party ID (no leaners)
111	PARTYFULL	PID1, PIDI	Num	8	PARTYFULL. Party ID with leaners
112	IDEO5		Num	8	IDEO5. Ideology
113	SIZEPLACE	SIZEPLACE	Num	8	SIZEPLACE. Community type

Variables #10, 13-18, 94-95, 106, 111 are derived from more than one question.

For variables #13, 70-77, response options may have differed by state based on who was on the ballot and as candidates dropped out of the race. Full questionnaires for each state survey can be found packaged with these materials on www.apnorc.org. The corresponding question numbers for the variables above may differ by state.

Details of Variables

- “.” Or space: logic skip, respondent is not applicable to a specific question
- 99: missing, survey non-respondent

MODE. Survey mode		
MODE	Frequency	Percent
(1) Phone	4,401	9.34
(2) Web	42,731	90.66
Total	47,132	100.00

P_STATE. State - Character variable – State abbreviation		
P_STATE	Frequency	Percent
(AL) Alabama	1,281	2.72
(AZ) Arizona	2,088	4.43
(CA) California	4,398	9.33
(CO) Colorado	3,083	6.54
(FL) Florida	3,904	8.28
(IA) Iowa	3,653	7.75
(IL) Illinois	3,048	6.47
(MA) Massachusetts	3,360	7.13
(MI) Michigan	2,687	5.70
(MN) Minnesota	1,460	3.10
(MO) Missouri	2,042	4.33
(MS) Mississippi	1,175	2.49
(NC) North Carolina	2,968	6.30
(NH) New Hampshire	3,237	6.87
(SC) South Carolina	1,884	4.00
(TX) Texas	3,795	8.05
(VA) Virginia	3,069	6.51
Total	47,132	100.00

STATENUM. State - numeric variable		
STATENUM	Frequency	Percent
(1) Alabama	1,281	2.72
(2) Arizona	2,088	4.43
(3) California	4,398	9.33
(4) Colorado	3,083	6.54
(5) Florida	3,904	8.28
(6) Iowa	3,653	7.75

(7) Illinois	3,048	6.47
(8) Massachusetts	3,360	7.13
(9) Michigan	2,687	5.70
(10) Minnesota	1,460	3.10
(11) Missouri	2,042	4.33
(12) Mississippi	1,175	2.49
(13) North Carolina	2,968	6.30
(14) New Hampshire	3,237	6.87
(15) South Carolina	1,884	4.00
(16) Texas	3,795	8.05
(17) Virginia	3,069	6.51
Total	47,132	100.00

LVA. How interested are you in the caucus/primary election in [STATE]?		
LVA	Frequency	Percent
(1) Extremely interested	30,265	64.21
(2) Very interested	11,400	24.19
(3) Somewhat interested	4,140	8.78
(4) Only a little interested	819	1.74
(5) Not at all interested	445	0.94
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	63	0.13
Total	47,132	100.00

LVB. How likely are you to vote in the election?		
LVB	Frequency	Percent
(1) Definitely will vote	27,063	57.42
(2) Probably will vote	4,197	8.90
(3) Probably will not vote	1,294	2.75
(4) Definitely will not vote	577	1.22
(5) I already voted	13,986	29.67
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	15	0.03
Total	47,132	100.00

LV. Please indicate how likely it is that you will vote in this election.		
LV	Frequency	Percent
(0) 0-Certain will not vote	774	1.64
(1) 1	161	0.34
(2) 2	241	0.51
(3) 3	290	0.62
(4) 4	277	0.59
(5) 5	733	1.56
(6) 6	531	1.13
(7) 7	1,003	2.13
(8) 8	1,574	3.34
(9) 9	2,378	5.05
(10) 10-Certain will vote	25,175	53.41
(11) Already voted	13,987	29.68
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	8	0.02
Total	47,132	100.00

LIKELYVOTER. Likely Voter Model		
LIKELYVOTER	Frequency	Percent
(1) Likely voter	42,475	90.12
(2) Nonvoter	4,657	9.88
Total	47,132	100.00

WVA. Did you vote at a polling place today, or did you vote by mail or in person at some point before Election Day?		
WVA	Frequency	Percent
.	44,255	93.90
(1) I voted at a polling place today	1,550	3.29
(2) I voted by mail or in person before election day	1,326	2.81
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	1	0.00
Total	47,132	100.00

WVB. If you do vote in this election, which best describes how you plan to cast your ballot?		
WVB	Frequency	Percent
.	25,104	53.26
(1) I will vote at a polling place on election day	16,985	36.04
(2) I will vote before election day by mailing in my ballot	4,988	10.58
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	55	0.12
Total	47,132	100.00

TIMEVOTE. Advance vote		
TIMEVOTE	Frequency	Percent
.	3,286	6.97
(1) Election Day	27,313	57.95
(2) Early/Absentee	16,533	35.08
Total	47,132	100.00

RACE0_VOTE. Race 0 candidate vote		
RACE0_VOTE	Frequency	Percent
.	589	1.25
(1036) Joe Biden	17,105	36.29
(1445) Bernie Sanders	11,757	24.94
(32324) Michael Bloomberg	3,333	7.07
(51516) Deval Patrick	20	0.04
(51526) Amy Klobuchar	2,287	4.85
(59911) Michael Bennet	41	0.09
(61562) John Delaney	6	0.01
(62244) Elizabeth Warren	5,656	12.00
(62589) Tulsi Gabbard	464	0.98
(67933) Pete Buttigieg	2,941	6.24
(67935) Tom Steyer	841	1.78
(67936) Andrew Yang	224	0.48
(100004) Uncommitted	99	0.21
(100005) No preference	31	0.07
(100006) Former candidates	1,527	3.24
(100007) Another candidate	211	0.45
Total	47,132	100.00

RACE0_PARTY. Race 0 party vote		
RACE0_PARTY	Frequency	Percent
.	589	1.25
(1) Democrat	46,543	98.75
Total	47,132	100.00

RACE0_RACEID. Race 0 race ID		
RACE0_RACEID	Frequency	Percent
(1817) Democratic Presidential Primary	1,281	2.72
(3699) Democratic Presidential Primary	2,088	4.43
(7393) Democratic Presidential Primary	3,083	6.54
(8686) Democratic Presidential Primary	4,398	9.33
(10675) Democratic Presidential Primary	3,904	8.28
(15293) Democratic Presidential Primary	3,048	6.47
(17277) Democratic Presidential Primary	3,653	7.75
(23518) Democratic Presidential Primary	2,687	5.70
(24548) Democratic Presidential Primary	3,360	7.13
(25841) Democratic Presidential Primary	1,175	2.49
(25869) Democratic Presidential Primary	1,460	3.10
(27522) Democratic Presidential Primary	2,042	4.33
(32115) Democratic Presidential Primary	3,237	6.87
(34653) Democratic Presidential Primary	2,968	6.30
(41001) Democratic Presidential Primary	1,884	4.00
(44001) Democratic Presidential Primary	3,795	8.05
(47942) Democratic Presidential Primary	3,069	6.51
Total	47,132	100.00

RACE0_OFFICEID. Race 0 office ID		
RACE0_OFFICEID	Frequency	Percent
	589	1.25
(P) President	46,543	98.75
Total	47,132	100.00

RACE0_RACETYPEID. Race 0 race type ID		
RACE0_RACETYPEID	Frequency	Percent
	589	1.25
(D) Democratic Primary	46,543	98.75
Total	47,132	100.00

PRESVOTEPRIM. Who do you plan to vote for in the Democratic caucus/primary election for president? Full list		
PRESVOTEPRIM	Frequency	Percent
.	589	1.25
(1036) Joe Biden	17,105	36.29
(1445) Bernie Sanders	11,757	24.94
(32324) Michael Bloomberg	3,723	7.90
(51516) Deval Patrick	57	0.12
(51526) Amy Klobuchar	2,386	5.06
(51545) Joe Sestak	9	0.02
(59911) Michael Bennet	97	0.21
(61562) John Delaney	44	0.09
(61839) Steve Bullock	1	0.00
(62244) Elizabeth Warren	6,009	12.75
(62589) Tulsi Gabbard	464	0.98
(63133) Cory Booker	57	0.12
(63672) Marianne Williamson	44	0.09
(64984) Kamala Harris	1	0.00
(67933) Pete Buttigieg	3,117	6.61
(67934) Julian Castro	47	0.10
(67935) Tom Steyer	860	1.82
(67936) Andrew Yang	424	0.90
(100004) Uncommitted	99	0.21
(100005) No preference	31	0.07
(100007) Another candidate	211	0.45
Total	47,132	100.00

ISSUESDEM20. Which one of the following would you say is the most important issue facing the country?		
ISSUESDEM20	Frequency	Percent
(1) The economy and jobs	6,479	13.75
(2) Health care	17,938	38.06
(3) Immigration	1,800	3.82
(4) Taxes	1,377	2.92
(5) Abortion	417	0.88
(6) Gun policy	2,154	4.57
(7) Climate change	11,895	25.24
(8) Foreign policy	2,372	5.03
(9) Race relations	2,254	4.78
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	446	0.95
Total	47,132	100.00

GETAHEAD. Which best describes your family's financial situation? Are you...		
GETAHEAD	Frequency	Percent
(1) Getting ahead	8,210	17.42
(2) Holding steady	30,575	64.87
(3) Falling behind	8,197	17.39
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	150	0.32
Total	47,132	100.00

FAIRECONOMY. Do you think the country's economic system is fair or unfair to most Americans?		
FAIRECONOMY	Frequency	Percent
(1) Very fair	2,000	4.24
(2) Somewhat fair	8,623	18.30
(3) Somewhat unfair	18,962	40.23
(4) Very unfair	17,254	36.61
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	293	0.62
Total	47,132	100.00

TRUMPANGRY. Which comes closest to your feelings about the Trump administration?		
TRUMPANGRY	Frequency	Percent
.	40,242	85.38
(1) Enthusiastic	72	0.15
(2) Satisfied, but not enthusiastic	189	0.40
(3) Dissatisfied, but not angry	828	1.76
(4) Angry	5,785	12.27
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	16	0.03
Total	47,132	100.00

IMPEACH. All in all, do you think the impeachment of President Donald Trump has been worth it, or not?		
IMPEACH	Frequency	Percent
.	43,479	92.25
(1) Worth it	2,922	6.20
(2) Not worth it	681	1.44
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	50	0.11
Total	47,132	100.00

IMPEACHPOL. In general, do you think the impeachment of President Trump will help or hurt the Democrats politically, or not make much difference either way?		
IMPEACHPOL	Frequency	Percent
.	43,895	93.13
(1) Help a lot	237	0.50
(2) Help a little	681	1.44
(3) Not make much difference	1,440	3.06
(4) Hurt a little	630	1.34
(5) Hurt a lot	227	0.48
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	22	0.05
Total	47,132	100.00

CORONAVIRUS. How concerned are you that you or someone in your family will be infected with the new coronavirus?		
CORONAVIRUS	Frequency	Percent
.	38,118	80.88
(1) Very concerned	3,277	6.95
(2) Somewhat concerned	3,887	8.25
(3) Not too concerned	1,488	3.16
(4) Not at all concerned	354	0.75
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	8	0.02
Total	47,132	100.00

MARIJUANA20. Do you favor or oppose legalizing the recreational use of marijuana nationwide?		
MARIJUANA20	Frequency	Percent
(1) Strongly favor	20,612	43.73
(2) Somewhat favor	15,439	32.76
(3) Somewhat oppose	5,899	12.52
(4) Strongly oppose	4,942	10.49
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	240	0.51
Total	47,132	100.00

GOVREG20. Do you favor or oppose reducing government regulation of business?		
GOVREG20	Frequency	Percent
(1) Strongly favor	4,178	8.86
(2) Somewhat favor	11,188	23.74
(3) Somewhat oppose	17,019	36.11
(4) Strongly oppose	14,239	30.21
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	508	1.08
Total	47,132	100.00

SINGLEPAYER20. Do you favor or oppose changing the health care system so that all Americans get their health insurance from a single government plan instead of private health insurance?		
SINGLEPAYER20	Frequency	Percent
(1) Strongly favor	16,409	34.82
(2) Somewhat favor	15,445	32.77
(3) Somewhat oppose	9,008	19.11
(4) Strongly oppose	6,004	12.74
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	266	0.56
Total	47,132	100.00

PUBLICOPT20. Do you favor or oppose changing the health care system so that every American can buy into a government-run health care plan if they want to?		
PUBLICOPT20	Frequency	Percent
(1) Strongly favor	24,914	52.86
(2) Somewhat favor	16,881	35.82
(3) Somewhat oppose	3,271	6.94
(4) Strongly oppose	1,892	4.01
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	174	0.37
Total	47,132	100.00

CARBONTAX20. Do you favor or oppose taxing the use of carbon based fuels such as coal, oil, and natural gas?		
CARBONTAX20	Frequency	Percent
(1) Strongly favor	20,779	44.09
(2) Somewhat favor	16,818	35.68
(3) Somewhat oppose	6,053	12.84
(4) Strongly oppose	3,123	6.63
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	359	0.76
Total	47,132	100.00

STUDENTDEBT20. Do you favor or oppose the government canceling student loan debt for most people?		
STUDENTDEBT20	Frequency	Percent
.	17,765	37.69
(1) Strongly favor	10,780	22.87
(2) Somewhat favor	9,510	20.18
(3) Somewhat oppose	5,443	11.55
(4) Strongly oppose	3,493	7.41
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	141	0.30
Total	47,132	100.00

ABORTION20. Do you favor or oppose legalizing abortion under any circumstance?		
ABORTION20	Frequency	Percent
.	39,551	83.92
(1) Strongly favor	3,462	7.35
(2) Somewhat favor	2,020	4.29
(3) Somewhat oppose	1,009	2.14
(4) Strongly oppose	1,018	2.16
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	72	0.15
Total	47,132	100.00

CAMPFINANCE20. Do you favor or oppose limiting how much money a presidential campaign can spend?		
CAMPFINANCE20	Frequency	Percent
.	17,747	37.65
(1) Strongly favor	18,491	39.23
(2) Somewhat favor	7,502	15.92
(3) Somewhat oppose	2,228	4.73
(4) Strongly oppose	995	2.11
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	169	0.36
Total	47,132	100.00

TARIFF20. Do you favor or oppose increasing taxes on good imported to the U.S. from other countries?		
TARIFF20	Frequency	Percent
.	42,985	91.20
(1) Strongly favor	346	0.73
(2) Somewhat favor	1,319	2.80
(3) Somewhat oppose	1,801	3.82
(4) Strongly oppose	653	1.39
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	28	0.06
Total	47,132	100.00

REPARATIONS20. Do you favor or oppose the government making cash payments to the descendants of enslaved people as reparations for slavery and racial discrimination?		
REPARATIONS20	Frequency	Percent
.	31,111	66.01
(1) Strongly favor	3,710	7.87
(2) Somewhat favor	4,379	9.29
(3) Somewhat oppose	3,710	7.87
(4) Strongly oppose	4,062	8.62
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	160	0.34
Total	47,132	100.00

BORDERSEC20. Do you favor or oppose increasing security along the U.S.-Mexico Border?		
BORDERSEC20	Frequency	Percent
.	33,768	71.65
(1) Strongly favor	1,366	2.90
(2) Somewhat favor	3,466	7.35
(3) Somewhat oppose	5,126	10.88
(4) Strongly oppose	3,335	7.08
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	71	0.15
Total	47,132	100.00

CRIMJUSTICE20. Do you favor or oppose reducing the criminal justice system's focus on policing and prosecuting low-level offenses?		
CRIMJUSTICE20	Frequency	Percent
.	11,710	24.85
(1) Strongly favor	15,294	32.45
(2) Somewhat favor	13,514	28.67
(3) Somewhat oppose	4,476	9.50
(4) Strongly oppose	1,854	3.93
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	284	0.60
Total	47,132	100.00

BEATDTJBIDEN. Thinking about the general election in November, do you think each of the following candidates definitely could, probably could, probably could NOT or definitely could NOT beat Donald Trump? Joe Biden		
BEATDTJBIDEN	Frequency	Percent
.	32,188	68.29
(1) Definitely could beat Trump	7,086	15.03
(2) Probably could beat Trump	5,499	11.67
(3) Probably could NOT beat Trump	1,377	2.92
(4) Definitely could NOT beat Trump	814	1.73
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	168	0.36
Total	47,132	100.00

BEATDTBSANDERS. Thinking about the general election in November, do you think each of the following candidates definitely could, probably could, probably could NOT or definitely could NOT beat Donald Trump? Bernie Sanders		
BEATDTBSANDERS	Frequency	Percent
.	32,188	68.29
(1) Definitely could beat Trump	3,302	7.01
(2) Probably could beat Trump	5,414	11.49
(3) Probably could NOT beat Trump	4,150	8.81
(4) Definitely could NOT beat Trump	1,777	3.77
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	301	0.64
Total	47,132	100.00

BEATDTEWARREN. Thinking about the general election in November, do you think each of the following candidates definitely could, probably could, probably could NOT or definitely could NOT beat Donald Trump? Elizabeth Warren		
BEATDTEWARREN	Frequency	Percent
.	41,228	87.47
(1) Definitely could beat Trump	810	1.72
(2) Probably could beat Trump	1,860	3.95
(3) Probably could NOT beat Trump	1,792	3.80
(4) Definitely could NOT beat Trump	1,208	2.56
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	234	0.50
Total	47,132	100.00

BEATDTMBLOOMBERG. Thinking about the general election in November, do you think each of the following candidates definitely could, probably could, probably could NOT or definitely could NOT beat Donald Trump? Mike Bloomberg		
BEATDTMBLOOMBERG	Frequency	Percent
.	41,228	87.47
(1) Definitely could beat Trump	997	2.12
(2) Probably could beat Trump	2,242	4.76
(3) Probably could NOT beat Trump	1,288	2.73
(4) Definitely could NOT beat Trump	1,125	2.39
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	252	0.53
Total	47,132	100.00

DEMLEADER. Overall, how confident are you that the Democratic Party's leadership represents your values?		
DEMLEADER	Frequency	Percent
.	38,092	80.82
(1) Very confident	2,998	6.36
(2) Somewhat confident	4,423	9.38
(3) Not too confident	1,043	2.21
(4) Not at all confident	557	1.18
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	19	0.04
Total	47,132	100.00

DEM20GENERAL. Which of the following comes closer to what you will do in the general election this fall: Will you definitely vote for the Democratic candidate against Trump OR does your decision depend on who the Democratic candidate is?		
DEM20GENERAL	Frequency	Percent
.	17,814	37.80
(1) I will definitely vote for the Democratic candidate against Trump	23,796	50.49
(2) My decision will depend on who the Democratic candidate is	5,317	11.28
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	205	0.43
Total	47,132	100.00

FAIRDEMPRIM. Overall, how confident are you that the Democratic Party's process to select a presidential nominee is fair?		
FAIRDEMPRIM	Frequency	Percent
.	3,653	7.75
(1) Very confident	9,542	20.25
(2) Somewhat confident	20,346	43.17
(3) Not too confident	9,380	19.90
(4) Not at all confident	4,068	8.63
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	143	0.30
Total	47,132	100.00

QUALSDEM20BEATDT. How important is each of the following qualities in the Democratic nominee for president? Can beat Donald Trump		
QUALSDEM20BEATDT	Frequency	Percent
(1) Very important	40,550	86.04
(2) Somewhat important	3,648	7.74
(3) Not too important	1,177	2.50
(4) Not at all important	1,383	2.93
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	374	0.79
Total	47,132	100.00

QUALSDEM20BIPART. How important is each of the following qualities in the Democratic nominee for president? Will work across party lines		
QUALSDEM20BIPART	Frequency	Percent
(1) Very important	27,508	58.36
(2) Somewhat important	14,541	30.85
(3) Not too important	3,312	7.03
(4) Not at all important	1,375	2.92
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	396	0.84
Total	47,132	100.00

QUALSDEM20POLICY. How important is each of the following qualities in the Democratic nominee for president? Has the best policy ideas		
QUALSDEM20POLICY	Frequency	Percent
(1) Very important	29,925	63.49
(2) Somewhat important	15,389	32.65
(3) Not too important	1,038	2.20
(4) Not at all important	367	0.78
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	413	0.88
Total	47,132	100.00

QUALSDEM20CARES. How important is each of the following qualities in the Democratic nominee for president? Cares about people like you		
QUALSDEM20CARES	Frequency	Percent
(1) Very important	33,210	70.46
(2) Somewhat important	10,750	22.81
(3) Not too important	2,189	4.64
(4) Not at all important	576	1.22
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	407	0.86
Total	47,132	100.00

QUALSDEM20LEAD. How important is each of the following qualities in the Democratic nominee for president? Is a strong leader		
QUALSDEM20LEAD	Frequency	Percent
(1) Very important	38,385	81.44
(2) Somewhat important	7,446	15.80
(3) Not too important	567	1.20
(4) Not at all important	338	0.72
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	396	0.84
Total	47,132	100.00

QUALSDEM20EXP. How important is each of the following qualities in the Democratic nominee for president? Has the right experience		
QUALSDEM20EXP	Frequency	Percent
(1) Very important	29,468	62.52
(2) Somewhat important	14,937	31.69
(3) Not too important	1,861	3.95
(4) Not at all important	475	1.01
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	391	0.83
Total	47,132	100.00

PURSUEDEM20. Which is more important to your vote in the Democratic presidential primary?		
PURSUEDEM20	Frequency	Percent
.	14,678	31.14
(1) Voting for a candidate who will pursue practical centrist policies	19,238	40.82
(2) Voting for a candidate who will pursue bold liberal policies	12,461	26.44
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	755	1.60
Total	47,132	100.00

RESTOREDEM20. Which is more important to your vote in the Democratic presidential primary?		
RESTOREDEM20	Frequency	Percent
(1) Voting for a candidate who will restore the political system to the way it was before the Trump administration	21,281	45.15
(2) Voting for a candidate who will fundamentally change how the political system works in Washington	24,762	52.54
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	1,089	2.31
Total	47,132	100.00

IMPTWOMANPRES. How important is it to you personally that the United States elects a woman president during your lifetime?		
IMPTWOMANPRES	Frequency	Percent
(1) Very important	15,502	32.89
(2) Somewhat important	18,001	38.19
(3) Not too important	8,790	18.65
(4) Not at all important	4,790	10.16
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	49	0.10
Total	47,132	100.00

IFNOMINEEWOMAN. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who is a woman?		
IFNOMINEEWOMAN	Frequency	Percent
.	29,289	62.14
(1) A lot easier	338	0.72
(2) Somewhat easier	1,218	2.58
(3) Would not make a difference	7,192	15.26
(4) Somewhat harder	6,984	14.82
(5) A lot harder	1,933	4.10
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	178	0.38
Total	47,132	100.00

IFNOMINEEGAY. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who is gay or lesbian?		
IFNOMINEEGAY	Frequency	Percent
.	29,289	62.14
(1) A lot easier	148	0.31
(2) Somewhat easier	317	0.67
(3) Would not make a difference	5,778	12.26
(4) Somewhat harder	7,892	16.74
(5) A lot harder	3,513	7.45
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	195	0.41
Total	47,132	100.00

IFNOMINEELIBERAL. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who has strongly liberal views?		
IFNOMINEELIBERAL	Frequency	Percent
.	29,289	62.14
(1) A lot easier	840	1.78
(2) Somewhat easier	2,166	4.60
(3) Would not make a difference	4,043	8.58
(4) Somewhat harder	7,145	15.16
(5) A lot harder	3,419	7.25
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	230	0.49
Total	47,132	100.00

IFNOMINEEOVER75. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who is over age 75?		
IFNOMINEEOVER75	Frequency	Percent
.	29,289	62.14
(1) A lot easier	161	0.34
(2) Somewhat easier	300	0.64
(3) Would not make a difference	9,139	19.39
(4) Somewhat harder	6,479	13.75
(5) A lot harder	1,553	3.30
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	211	0.45
Total	47,132	100.00

IFNOMINEEBILLIONAIRE. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who is a billionaire?		
IFNOMINEEBILLIONAIRE	Frequency	Percent
.	36,179	76.76
(1) A lot easier	630	1.34
(2) Somewhat easier	1,698	3.60
(3) Would not make a difference	5,558	11.79
(4) Somewhat harder	1,894	4.02
(5) A lot harder	1,002	2.13
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	171	0.36
Total	47,132	100.00

IFNOMINEEJEWISH. Do you think it would be easier or harder to beat Donald Trump in November, or would it make no difference, if the Democratic Party nominated a candidate who is Jewish?		
IFNOMINEEJEWISH	Frequency	Percent
.	36,179	76.76
(1) A lot easier	120	0.25
(2) Somewhat easier	223	0.47
(3) Would not make a difference	7,581	16.08
(4) Somewhat harder	2,256	4.79
(5) A lot harder	601	1.28
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	172	0.36
Total	47,132	100.00

DEM20GEN2BIDEN. If each of the following candidates were the Democratic nominee, would you definitely, probably, probably NOT or definitely NOT vote for him against Donald Trump in November? Joe Biden		
DEM20GEN2BIDEN	Frequency	Percent
.	38,092	80.82
(1) Definitely vote for	7,069	15.00
(2) Probably vote for	1,031	2.19
(3) Probably NOT vote for	378	0.80
(4) Definitely NOT vote for	499	1.06
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	63	0.13
Total	47,132	100.00

DEM20GEN2SANDERS. If each of the following candidates were the Democratic nominee, would you definitely, probably, probably NOT or definitely NOT vote for him against Donald Trump in November? Bernie Sanders		
DEM20GEN2SANDERS	Frequency	Percent
.	38,092	80.82
(1) Definitely vote for	6,086	12.91
(2) Probably vote for	1,337	2.84
(3) Probably NOT vote for	609	1.29
(4) Definitely NOT vote for	820	1.74
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	188	0.40
Total	47,132	100.00

ENTHUSDEM20. How enthusiastic are you about the candidate you are supporting in the Democratic presidential primary?		
ENTHUSDEM20	Frequency	Percent
.	41,228	87.47
(1) Very enthusiastic	2,994	6.35
(2) Somewhat enthusiastic	2,232	4.74
(3) Not too enthusiastic	490	1.04
(4) Not at all enthusiastic	150	0.32
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	38	0.08
Total	47,132	100.00

SATISNOMJBIDEN. How satisfied or dissatisfied would you be if Joe Biden won the Democratic nomination for president?		
SATISNOMJBIDEN	Frequency	Percent
.	1	0.00
(1) Very satisfied	18,147	38.50
(2) Somewhat satisfied	15,446	32.77
(3) Somewhat dissatisfied	7,440	15.79
(4) Very dissatisfied	5,764	12.23
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	334	0.71
Total	47,132	100.00

SATISNOMEWARREN. How satisfied or dissatisfied would you be if Elizabeth Warren won the Democratic nomination for president?		
SATISNOMEWARREN	Frequency	Percent
.	9,041	19.18
(1) Very satisfied	12,684	26.91
(2) Somewhat satisfied	13,414	28.46
(3) Somewhat dissatisfied	6,592	13.99
(4) Very dissatisfied	4,878	10.35
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	523	1.11
Total	47,132	100.00

SATISNOMB SANDERS. How satisfied or dissatisfied would you be if Bernie Sanders won the Democratic nomination for president?		
SATISNOMB SANDERS	Frequency	Percent
.	1	0.00
(1) Very satisfied	14,790	31.38
(2) Somewhat satisfied	14,099	29.91
(3) Somewhat dissatisfied	8,804	18.68
(4) Very dissatisfied	9,001	19.10
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	437	0.93
Total	47,132	100.00

SATISNOMP BUTTIGIEG. How satisfied or dissatisfied would you be if Pete Buttigieg won the Democratic nomination for president?		
SATISNOMP BUTTIGIEG	Frequency	Percent
.	14,946	31.71
(1) Very satisfied	8,318	17.65
(2) Somewhat satisfied	12,472	26.46
(3) Somewhat dissatisfied	6,430	13.64
(4) Very dissatisfied	4,370	9.27
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	596	1.26
Total	47,132	100.00

SATISNOMAKLOBUCHAR. How satisfied or dissatisfied would you be if Amy Klobuchar won the Democratic nomination for president?		
SATISNOMAKLOBUCHAR	Frequency	Percent
.	14,946	31.71
(1) Very satisfied	7,308	15.51
(2) Somewhat satisfied	12,867	27.30
(3) Somewhat dissatisfied	7,298	15.48
(4) Very dissatisfied	4,119	8.74
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	594	1.26
Total	47,132	100.00

SATISNOMTSTEYER. How satisfied or dissatisfied would you be if Tom Steyer won the Democratic nomination for president?		
SATISNOMTSTEYER	Frequency	Percent
.	21,836	46.33
(1) Very satisfied	2,370	5.03
(2) Somewhat satisfied	8,290	17.59
(3) Somewhat dissatisfied	7,872	16.70
(4) Very dissatisfied	6,049	12.83
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	715	1.52
Total	47,132	100.00

SATISNOMMBLOOMBERG. How satisfied or dissatisfied would you be if Mike Bloomberg won the Democratic nomination for president?		
SATISNOMMBLOOMBERG	Frequency	Percent
.	15,932	33.80
(1) Very satisfied	5,275	11.19
(2) Somewhat satisfied	8,984	19.06
(3) Somewhat dissatisfied	6,509	13.81
(4) Very dissatisfied	9,925	21.06
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	507	1.08
Total	47,132	100.00

HANDLEDEM20ECON. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: The economy		
HANDLEDEM20ECON	Frequency	Percent
.	35,077	74.42
(1) Joe Biden	3,480	7.38
(2) Mike Bloomberg	1,737	3.69
(3) Pete Buttigieg	208	0.44
(4) Tulsi Gabbard	382	0.81
(5) Amy Klobuchar	173	0.37
(6) Bernie Sanders	1,985	4.21
(7) Tom Steyer	73	0.15
(8) Elizabeth Warren	1,862	3.95
(9) Other	1,215	2.58
(10) None of them	554	1.18
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	386	0.82
Total	47,132	100.00

HANDLEDEM20HEALTH. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Health care		
HANDLEDEM20HEALTH	Frequency	Percent
.	6,890	14.62
(1) Joe Biden	12,207	25.90
(2) Mike Bloomberg	3,128	6.64
(3) Pete Buttigieg	1,611	3.42
(4) Tulsi Gabbard	387	0.82
(5) Amy Klobuchar	1,419	3.01
(6) Bernie Sanders	11,868	25.18
(7) Tom Steyer	436	0.93
(8) Elizabeth Warren	5,925	12.57
(10) None of them	2,037	4.32
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	1,224	2.60
Total	47,132	100.00

HANDLEDEM20RACE. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Issues related to race		
HANDLEDEM20RACE	Frequency	Percent
.	26,301	55.80
(1) Joe Biden	9,141	19.39
(2) Mike Bloomberg	765	1.62
(3) Pete Buttigieg	596	1.26
(4) Tulsi Gabbard	601	1.28
(5) Amy Klobuchar	390	0.83
(6) Bernie Sanders	4,128	8.76
(7) Tom Steyer	398	0.84
(8) Elizabeth Warren	1,566	3.32
(10) None of them	2,380	5.05
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	866	1.84
Total	47,132	100.00

HANDLEDEM20CLIMATE. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Climate change		
HANDLEDEM20CLIMATE	Frequency	Percent
.	32,743	69.47
(1) Joe Biden	2,129	4.52
(2) Mike Bloomberg	1,413	3.00
(3) Pete Buttigieg	907	1.92
(4) Tulsi Gabbard	135	0.29
(5) Amy Klobuchar	479	1.02
(6) Bernie Sanders	4,144	8.79
(7) Tom Steyer	1,499	3.18
(8) Elizabeth Warren	2,320	4.92
(10) None of them	845	1.79
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	518	1.10
Total	47,132	100.00

HANDLEDEM20IMMIG. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Immigration		
HANDLEDEM20IMMIG	Frequency	Percent
.	36,706	77.88
(1) Joe Biden	3,367	7.14
(2) Mike Bloomberg	803	1.70
(3) Pete Buttigieg	559	1.19
(4) Tulsi Gabbard	158	0.34
(5) Amy Klobuchar	677	1.44
(6) Bernie Sanders	1,977	4.19
(7) Tom Steyer	92	0.20
(8) Elizabeth Warren	1,529	3.24
(10) None of them	772	1.64
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	492	1.04
Total	47,132	100.00

HANDLEDEM20CORRUPT. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Corruption in government		
HANDLEDEM20CORRUPT	Frequency	Percent
.	44,084	93.53
(1) Joe Biden	1,090	2.31
(4) Tulsi Gabbard	106	0.22
(6) Bernie Sanders	1,246	2.64
(10) None of them	510	1.08
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	96	0.20
Total	47,132	100.00

HANDLEDEM20GUN. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Gun policy		
HANDLEDEM20GUN	Frequency	Percent
.	40,180	85.25
(1) Joe Biden	3,909	8.29
(4) Tulsi Gabbard	236	0.50
(6) Bernie Sanders	1,557	3.30
(10) None of them	952	2.02
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	298	0.63
Total	47,132	100.00

HANDLEDEM20FP. Regardless of who you support in the primary, which of the following candidates do you think would be best able to handle: Foreign policy		
HANDLEDEM20FP	Frequency	Percent
.	43,895	93.13
(1) Joe Biden	1,283	2.72
(2) Mike Bloomberg	80	0.17
(3) Pete Buttigieg	20	0.04
(4) Tulsi Gabbard	404	0.86
(5) Amy Klobuchar	134	0.28
(6) Bernie Sanders	245	0.52
(7) Tom Steyer	20	0.04
(8) Elizabeth Warren	486	1.03
(9) Other	392	0.83
(10) None of them	78	0.17
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	95	0.20
Total	47,132	100.00

TIMEDECIDEPRIM20. Which best describes when you decided how you would vote?		
TIMEDECIDEPRIM20	Frequency	Percent
.	5,207	11.05
(1) I have known all along	9,494	20.14
(2) I decided more than a month ago	7,767	16.48
(3) I decided over the last month	10,151	21.54
(4) I decided in the last few days	11,680	24.78
(5) I still have not decided	2,794	5.93
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	39	0.08
Total	47,132	100.00

TIMEDECIDENH. Which best describes when you decided how you would vote?		
TIMEDECIDENH	Frequency	Percent
.	43,945	93.24
(1) I have known all along	543	1.15
(2) I decided more than a month ago	583	1.24
(3) I decided over the last month	876	1.86
(4) I decided after the Iowa caucus	1,181	2.51
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	4	0.01
Total	47,132	100.00

CONTACTPRIM20JBIDEN. For each of the following candidates, please say if you have or have not been contacted directly by an individual on behalf of their campaign, either by phone or in person? Joe Biden		
CONTACTPRIM20JBIDEN	Frequency	Percent
.	43,479	92.25
(1) Yes	2,118	4.49
(2) No	1,490	3.16
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	45	0.10
Total	47,132	100.00

CONTACTPRIM20BSANDERS. For each of the following candidates, please say if you have or have not been contacted directly by an individual on behalf of their campaign, either by phone or in person? Bernie Sanders		
CONTACTPRIM20BSANDERS	Frequency	Percent
.	43,479	92.25
(1) Yes	2,820	5.98
(2) No	811	1.72
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	22	0.05
Total	47,132	100.00

CONTACTPRIM20EWARREN. For each of the following candidates, please say if you have or have not been contacted directly by an individual on behalf of their campaign, either by phone or in person? Elizabeth Warren		
CONTACTPRIM20EWARREN	Frequency	Percent
.	43,479	92.25
(1) Yes	2,428	5.15
(2) No	1,178	2.50
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	47	0.10
Total	47,132	100.00

CONTACTPRIM20PBUTTIGIEG. For each of the following candidates, please say if you have or have not been contacted directly by an individual on behalf of their campaign, either by phone or in person? Pete Buttigieg		
CONTACTPRIM20PBUTTIGIEG	Frequency	Percent
.	43,479	92.25
(1) Yes	2,524	5.36
(2) No	1,093	2.32
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	36	0.08
Total	47,132	100.00

CONTACTPRIM20AKLOBUCHAR. For each of the following candidates, please say if you have or have not been contacted directly by an individual on behalf of their campaign, either by phone or in person? Amy Klobuchar		
CONTACTPRIM20AKLOBUCHAR	Frequency	Percent
.	43,479	92.25
(1) Yes	1,904	4.04
(2) No	1,692	3.59
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	57	0.12
Total	47,132	100.00

SEETVAD. In the past couple weeks, have you seen a TV ad for a Democratic presidential candidate?		
SEETVAD	Frequency	Percent
.	45,248	96.00
(1) Yes	1,756	3.73
(2) No	123	0.26
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	5	0.01
Total	47,132	100.00

WATCHDEBATE. In the past couple weeks, have you watched a Democratic presidential debate?		
WATCHDEBATE	Frequency	Percent
.	45,248	96.00
(1) Yes	1,293	2.74
(2) No	578	1.23
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	13	0.03
Total	47,132	100.00

QPVVOTE18. Voted in 2018 midterm election		
QPVVOTE18	Frequency	Percent
(1) Voted in 2018 midterm election	41,319	87.67
(2) Did not vote in 2018 midterm election	5,740	12.18
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	73	0.15
Total	47,132	100.00

QPVVOTE16. Voted in 2016 presidential election		
QPVVOTE16	Frequency	Percent
(1) Voted in 2016 presidential election	42,977	91.18
(2) Did not vote in 2016 presidential election	4,121	8.74
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	34	0.07
Total	47,132	100.00

QPVVOTE16PRI. Voted in 2016 presidential primary or caucus		
QPVVOTE16PRI	Frequency	Percent
(1) Voted in 2016 presidential primary or caucus	38,662	82.03
(2) Did not vote in 2016 presidential primary or caucus	8,321	17.65
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	149	0.32
Total	47,132	100.00

QPVVOTE16PARTISAN. In the 2016 primary, did you vote in the Democratic primary or the Republican primary?		
QPVVOTE16PARTISAN	Frequency	Percent
.	251	0.53
(1) Voted in 2016 Democratic primary or caucus	35,825	76.01
(2) Voted in 2016 Republican primary or caucus	2,735	5.80
(3) Did not vote in 2016 presidential primary or caucus	8,321	17.65
Total	47,132	100.00

QVOTE2016PRIDEM. In the 2016 Democratic presidential primary or caucus, did you support Hillary Clinton, Bernie Sanders, someone else, or did you have no preference?		
QVOTE2016PRIDEM	Frequency	Percent
.	11,307	23.99
(1) Hillary Clinton	23,697	50.28
(2) Bernie Sanders	9,618	20.41
(3) Someone else	1,598	3.39
(4) No preference	862	1.83
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	50	0.11
Total	47,132	100.00

FTVOTEPRIM. Is this election your first time ever voting in a caucus/primary, or not?		
FTVOTEPRIM	Frequency	Percent
.	40,242	85.38
(1) First time voting in a caucus/primary	961	2.04
(2) Have voted in a caucus/primary before	5,926	12.57
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	3	0.01
Total	47,132	100.00

INTERESTPRIMARY. How interested are you in the upcoming caucuses/primary election?		
INTERESTPRIMARY	Frequency	Percent
(1) Extremely interested	30,265	64.21
(2) Very interested	11,400	24.19
(3) Somewhat interested	4,140	8.78
(4) Only a little interested	819	1.74
(5) Not at all interested	445	0.94
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	63	0.13
Total	47,132	100.00

DEMVOTE2020SECOND. In the Democratic caucus/primary for president, who would be your second choice candidate?		
DEMVOTE2020SECOND	Frequency	Percent
.	40,310	85.53
(1) Joe Biden	859	1.82
(2) Michael Bloomberg	53	0.11
(3) Michael Bennet	74	0.16
(4) Pete Buttigieg	1,181	2.51
(5) John Delaney	11	0.02
(6) Tulsi Gabbard	122	0.26
(7) Amy Klobuchar	1,219	2.59
(8) Deval Patrick	36	0.08
(9) Bernie Sanders	852	1.81
(10) Tom Steyer	398	0.84
(11) Elizabeth Warren	1,300	2.76
(12) Andrew Yang	400	0.85
(66) Other	248	0.53
(88) Uncommitted	69	0.15
Total	47,132	100.00

ATTENDANCE. How often, if at all, do you attend religious services?		
ATTENDANCE	Frequency	Percent
.	35,928	76.23
(1) Never	3,261	6.92
(2) A few times a year or less	3,134	6.65
(3) About once a month	707	1.50
(4) A few times a month	1,330	2.82
(5) Once a week or more	2,726	5.78
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	46	0.10
Total	47,132	100.00

GUNOWNER. Do you or does any other member of your household own a handgun, rifle, shotgun, or any other kind of firearm?		
GUNOWNER	Frequency	Percent
.	28,225	59.89
(1) Gun owner, self	4,219	8.95
(2) Gun in household	2,229	4.73
(3) No	12,319	26.14
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	140	0.30
Total	47,132	100.00

UNIONCATEACHERS. Are you or is anyone in your household a member of a teacher's union?		
UNIONCATEACHERS	Frequency	Percent
.	42,734	90.67
(1) Yes	401	0.85
(2) No	3,942	8.36
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	55	0.12
Total	47,132	100.00

UNIONCAOTHER. Are you or is anyone in your household a member of another type of labor union?		
UNIONCAOTHER	Frequency	Percent
.	42,734	90.67
(1) Yes	733	1.56
(2) No	3,608	7.66
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	57	0.12
Total	47,132	100.00

UNIONCAFREELANCE. Are you or is anyone in your household a freelancer or independent contractor?		
UNIONCAFREELANCE	Frequency	Percent
.	42,734	90.67
(1) Yes	809	1.72
(2) No	3,509	7.45
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	80	0.17
Total	47,132	100.00

VET. Have you, or has any member of your household, ever served in the U.S. military?		
VET	Frequency	Percent
.	44,063	93.49
(1) Veteran, self	447	0.95
(2) Veteran in household	500	1.06
(3) No	2,122	4.50
Total	47,132	100.00

RELIG. What is your present religion, if any?		
RELIG	Frequency	Percent
.	38,092	80.82
(1) Protestant	1,465	3.11
(2) Catholic	2,045	4.34
(3) Mormon	41	0.09
(4) Other Christian	1,080	2.29
(5) Jewish	640	1.36
(6) Muslim	82	0.17
(7) Something else	784	1.66
(8) None	2,850	6.05
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	53	0.11
Total	47,132	100.00

LGBT. Do you consider yourself to be gay, lesbian, bisexual or transgender?		
LGBT	Frequency	Percent
.	29,401	62.38
(1) Yes	1,863	3.95
(2) No	15,868	33.67
Total	47,132	100.00

SEX. Sex		
SEX	Frequency	Percent
(1) Men	22,048	46.78
(2) Women	25,050	53.15
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	34	0.07
Total	47,132	100.00

AGE65. Age, granular		
AGE65	Frequency	Percent
(1) 18-24	2,836	6.02
(2) 25-29	3,224	6.84
(3) 30-39	7,036	14.93
(4) 40-49	5,742	12.18
(5) 50-64	12,862	27.29
(6) 65+	15,276	32.41
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	156	0.33
Total	47,132	100.00

RACETH5. Race/Ethnicity		
RACETH5	Frequency	Percent
(1) White	32,988	69.99
(2) African American or Black	5,997	12.72
(3) Latino or Hispanic	4,489	9.52
(4) Asian	1,498	3.18
(5) Other	2,021	4.29
(88) REMOVED FOR DISCLOSURE RISK	1	0.00
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	138	0.29
Total	47,132	100.00

HISPFL. Hispanic/Latino heritage		
HISPFL	Frequency	Percent
.	43,228	91.72
(1) Cuban	162	0.34
(2) Puerto Rican	177	0.38
(3) Other Hispanic	269	0.57
(4) Non-Hispanic	3,291	6.98
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	5	0.01
Total	47,132	100.00

EDUC. Education, 4 categories		
EDUC	Frequency	Percent
(1) High school or less	5,114	10.85
(2) Some college/assoc. degree	12,600	26.73
(3) College graduate	14,908	31.63
(4) Postgraduate study	14,467	30.69
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	43	0.09
Total	47,132	100.00

INCOME. 2019 household income		
INCOME	Frequency	Percent
(1) Under \$25,000	5,092	10.80
(2) \$25,000-\$49,999	9,205	19.53
(3) \$50,000-\$74,999	9,380	19.90
(4) \$75,000-\$99,999	7,941	16.85
(5) \$100,000 or more	14,797	31.39
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	717	1.52
Total	47,132	100.00

PARTY. Party ID (no leaners)		
PARTY	Frequency	Percent
(1) Democrat	36,391	77.21
(2) Republican	1,013	2.15
(3) Neither	9,708	20.60
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	20	0.04
Total	47,132	100.00

PARTYFULL. Party ID with leaners		
PARTYFULL	Frequency	Percent
(1) Democrat/Lean Dem	42,507	90.19
(2) Republican/Lean Rep	2,044	4.34
(3) Independent	2,581	5.48
Total	47,132	100.00

IDEO5. Ideology		
IDEO5	Frequency	Percent
(1) Very liberal	11,386	24.16
(2) Somewhat liberal	9,220	19.56
(3) Moderate	22,837	48.45
(4) Somewhat conservative	2,126	4.51
(5) Very conservative	956	2.03
(77) DONT KNOW	183	0.39
(98) SKIPPED ON WEB	360	0.76
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	64	0.14
Total	47,132	100.00

SIZEPLACE. Community type		
SIZEPLACE	Frequency	Percent
(1) Urban	12,324	26.15
(2) Suburban	20,143	42.74
(3) Small town	9,177	19.47
(4) Rural	5,349	11.35
(99) DON'T KNOW/SKIPPED/REFUSED (VOL)	139	0.29
Total	47,132	100.00

Appendix A – Likely Voter Models

In Iowa, respondents are classified as voters based on the following criteria:

- The respondent says they will definitely vote to LVB and they are very or extremely interested in the election to LVA; or
- The respondent says they will probably or definitely vote to LVB, they are somewhat, very, or extremely interested in the election to LVA, they voted in the 2018 midterm election, and they voted in the Democratic primary in 2016.

In South Carolina, respondents are classified as voters based on the following criteria:

- The respondent says they will definitely vote to LVB, they are certain they will vote to LV, and they are very or extremely interested in the election to LVA; or
- The respondent says they will probably or definitely vote to LVB, they score an 8 or higher on likelihood to vote to LV, they are somewhat, very, or extremely interested in the election to LVA, and they voted in the Democratic primary in 2016; or
- The respondent says they already voted to LVB or LV.

In New Hampshire, Alabama, California, Colorado, Massachusetts, Minnesota, North Carolina, Texas, Virginia, Michigan, Missouri, Mississippi, Arizona, Florida, and Illinois, respondents are classified as voters based on the following criteria:

- The respondent says they will definitely vote to LVB and they are certain they will vote to LV; or

- The respondent says they will probably or definitely vote to LVB, they score an 8 or higher on likelihood to vote to LV, they voted in the 2018 midterm election, and they voted in the 2016 primary or caucus; or
- The respondent says they already voted to LVB or LV.

Appendix B – Weighting variables by state

Alabama – Open state without 2016 vote information or party registration: age*sex, race*age, education, neighborhood education, self-reported Democrat*race, self-reported party*education, self-reported party*age.

Arizona – Closed state with party registration and 2016 vote information: age*sex, race*age, neighborhood education, party registration*education (geographic level).

California – Semi-closed state with party registration but not 2016 vote information: age*sex, race*age, education, neighborhood education, party registration, party registration*education (geographic level), age*sex (within registered Democrats), race (within registered Democrats), age*race (within registered Democrats).

Colorado – Semi-closed state with party registration but not 2016 vote information: age*sex, race*age, education, neighborhood education, party registration, party registration*education (geographic level), age*sex (within registered Democrats), race (within registered Democrats), age*race (within registered Democrats).

Florida – Closed state with party registration but not 2016 vote information: age*sex, race*age, neighborhood education, party registration*education (geographic level).

Illinois – Open state with 2016 vote information but not party registration: age*sex, race*age, education, neighborhood education, self-reported Democrat*race, self-reported party*education, self-reported party*age.

Iowa – Open state with party registration: age*sex, race*age, education, neighborhood education, party registration, 2016 primary vote choice, party registration*education (geographic level), age*sex (within Democrats), race (within Democrats), age*race (within Democrats).

Massachusetts – Semi-closed state with party registration and 2016 vote information: age*sex, race*age, education, neighborhood education, party registration, party registration*education (geographic level),

age*sex (within registered Democrats), race (within registered Democrats), age*race (within registered Democrats).

Michigan – Open state with 2016 vote information but not party registration: age*sex, race*age, education, neighborhood education, self-reported Democrat*race, self-reported party*education, self-reported party*age.

Minnesota – Open state without 2016 vote information or party registration: age*sex, race*age, education, neighborhood education, self-reported Democrat*race, self-reported party*education, self-reported party*age.

Mississippi – Open state with 2016 vote information but not party registration: age*sex, race*age, education, neighborhood education, self-reported Democrat*race, self-reported party*education, self-reported party*age.

Missouri – Open state without 2016 vote information or party registration: age*sex, race*age, education, neighborhood education, self-reported Democrat*race, self-reported party*education, self-reported party*age.

New Hampshire – Semi-closed state with party registration and 2016 vote information: age, sex, race, education, neighborhood education, party registration, 2016 primary vote choice, party registration*education (geographic level), sex (within Democrats), race (within Democrats).

North Carolina – Semi-closed state with party registration and 2016 vote information: age*sex, race*age, education, neighborhood education, party registration, party registration*education (geographic level), age*sex (within registered Democrats), race (within registered Democrats), age*race (within registered Democrats).

South Carolina – Open state with 2016 information but not party registration: age*sex, race*age, education, neighborhood education, self-reported Democrat*race, self-reported Democrat*education (geographic level).

Texas – Open state with 2016 vote information but not party registration: age*sex, race*age, education, neighborhood education, self-reported Democrat*race, self-reported party*education, self-reported party*age.

Virginia – Open state with 2016 vote information but not party registration: age*sex, race*age, education, neighborhood education, self-reported Democrat*race, self-reported party*education, self-reported party*age.