CENTER FOR PUBLIC OPINION

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UMass Lowell
Survey of Minnesota Democratic Primary Voters

Field Dates: February 12-19, 2020

N=450 Minnesota Democratic Primary Likely Voters
Adjusted Margin of Error: +/- 6.4%
Margin of error has been adjusted to include for design effects
resulting from weighting and survey design features

Methodology in Brief

This poll was independently funded by the University of Massachusetts Lowell, designed and analyzed by the Center for Public Opinion. Data was collected by YouGov, an online polling organization. Respondents were selected from YouGov and three other online panels. YouGov interviewed 525 eligible respondents who were then matched down to a sample of 450 to produce the final dataset. The respondents were matched to a sampling frame on gender, age, race, and education based on known characteristics of Democratic Party primary voters from the Minnesota voter file and the 2018 Cooperative Congressional Election Study. The matched cases were weighted to the sampling frame using propensity scores. The matched cases and the frame were combined and a logistic regression was estimated for inclusion in the frame. The propensity score function included age, gender, race/ethnicity, years of education, and region. The propensity scores were grouped into deciles of the estimated propensity score in the frame and post-stratified according to these deciles. The weights were then post-stratified on past primary election behavior, and age x gender stratification of Democratic Primary voters from the Minnesota voter file to produce the final weight.

UMass Lowell is a public institution and releases surveys as a source of public information. We offer a complete methodology report in adherence with standards of the AAPOR Transparency Initiative, as well an extensive set of crosstabs. Our goal is complete transparency in the reporting of our findings. If there is something you do not see here, but wish you did, please contact Director, Dr. Joshua J. Dyck (joshua_dyck@uml.edu; @drjjdyck) or Associate Director, Dr. John Cluverius (john_cluverius@uml.edu; @JohnCluverius).

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*indicates <.5%; some numbers do not sum to 100 due to rounding

ASKED OF ALL LIKELY VOTERS
PRIMARY PREFERENCE

UML905 If your state's presidential primary was being held today, for whom would you vote? [candidate names were randomized]

UML905a Do you lean more towards one candidate?

9%	Joe Biden
9	Michael Bloomberg
10	Pete Buttigieg
4	Tulsi Gabbard
27	Amy Klobuchar
21	Bernie Sanders
*	Tom Steyer
16	Elizabeth Warren
*	Another candidate
4	Undecided

	Party ID Leaned		Party ID Unleaned	
	Democrat	Independent	Democrat	Independent
Biden	10	0	10	4
Bloomberg	9	15	10	12
Buttigieg	10	11	9	13
Gabbard	1	14	0	10
Klobuchar	27	26	29	25
Sanders	21	23	18	24
Steyer	0	0	0	0
Warren	18	10	19	11
Another candidate	0	0	0	0
Undecided	4	0	5	1

	Income			Education	
	Below $50K	$50k-$100k	$100k & up	No 4-Yr. Degree	4-Year Degree
Biden	12	10	1	16	4
Bloomberg	10	9	5	12	7
Buttigieg	8	11	12	9	11
Gabbard	2	6	4	3	5
Klobuchar	25	29	33	24	28
Sanders	22	18	22	22	20
Steyer	0	1	0	0	0
Warren	17	13	20	12	19
Another cand.	0	0	0	0	0
Undecided	4	4	3	2	5

	Gender		Age		Ideology		
	Male	Female	18-44	45+	Liberal	Moderate	Conservative
Biden	15	4	5	10	8	8	19
Bloomberg	6	12	1	13	11	8	1
Buttigieg	11	9	7	11	11	7	9
Gabbard	10	0	8	3	0	5	34
Klobuchar	27	26	17	30	25	37	9
Sanders	14	26	32	17	22	19	20
Steyer	1	0	0	0	0	0	0
Warren	12	19	25	13	19	11	1
Another candidate	0	0	0	0	0	0	0
Undecided	4	4	5	3	3	4	8

UML906 We know that presidential primary candidates can end their campaigns suddenly. If [CANDIDATE_NAME] were to drop out of the race before you were able to vote, who would plan to vote for?

8%	Joe Biden
12	Michael Bloomberg
18	Pete Buttigieg
2	Tulsi Gabbard
18	Amy Klobuchar
10	Bernie Sanders
1	Tom Steyer
16	Elizabeth Warren
1	Another Candidate
13	Undecided

	Party ID Leaned		Party ID Unleaned	
	Democrat	Independent	Democrat	Independent
Biden	9	4	10	5
Bloomberg	11	15	10	16
Buttigieg	18	26	19	19
Gabbard	2	7	1	6
Klobuchar	20	11	18	19
Sanders	9	15	10	12
Steyer	1	0	1	0
Warren	18	8	18	11
Another Candidate	0	3	0	1
Undecided	12	12	13	11

	Income			Education	
	Below $50K	$50k-$100k	$100k & up	No 4-Yr. Degree	4-Year Degree
Biden	11	9	5	10	6
Bloomberg	11	14	13	5	17
Buttigieg	13	23	18	17	19
Gabbard	2	4	1	4	1
Klobuchar	27	10	20	18	18
Sanders	13	8	15	10	11
Steyer	1	1	0	1	0
Warren	15	15	12	20	13
Another cand.	0	1	0	0	1
Undecided	7	14	15	14	12

	Gender		Age		Ideology		
	Male	Female	18-44	45+	Liberal	Moderate	Conservative
Biden	8	8	6	9	8	12	1
Bloomberg	18	8	7	14	9	17	29
Buttigieg	12	23	10	21	18	25	3
Gabbard	3	2	2	3	2	5	0
Klobuchar	14	22	15	20	22	10	5
Sanders	16	7	17	8	10	8	19
Steyer	0	1	0	1	1	0	0
Warren	16	16	27	12	18	10	19
Someone else	1	0	0	1	1	0	0
Undecided	13	13	17	12	12	13	25

UML931 Will you definitely vote for [candidate named] in the [state] presidential primary or is there a chance you could change your mind and vote for someone else?

62% Definitely vote for [candidate named]
38 Could change mind

	Candidate			
	Biden	Bloomberg	Buttigieg	Gabbard
Definitely vote for	45	40	50	62
Could change mind	55	60	50	38

	Candidate			
	Klobuchar	Sanders	Steyer	Warren
Definitely vote for	67	85	0	54
Could change mind	33	15	100	46

	Party ID Leaned		Party ID Unleaned	
	Democrat	Independent	Democrat	Independent
Definitely vote for	65	50	62	64
Could change mind	35	50	38	36

	Income			Education	
	Below $50K	$50k-$100k	$100k & up	No 4-Yr. Degree	4-Year Degree
Definitely vote for	61	60	67	67	59
Could change mind	39	40	33	33	41

	Gender		Age		Ideology		
	Male	Female	18-44	45+	Liberal	Moderate	Conservative
Definitely vote for	60	64	64	62	63	63	65
Could change mind	40	36	36	38	37	37	35

UML928 Who do you think will eventually win the Democratic nomination?

7%	Joe Biden
12	Michael Bloomberg
6	Pete Buttigieg
0	Tulsi Gabbard
7	Amy Klobuchar
34	Bernie Sanders
0	Tom Steyer
2	Elizabeth Warren
1	Another Candidate
31	Undecided

	Party ID Leaned		Party ID Unleaned	
	Democrat	Independent	Democrat	Independent
Biden	7	7	7	8
Bloomberg	13	9	13	10
Buttigieg	6	8	7	7
Klobuchar	8	2	10	2
Sanders	32	38	30	38
Warren	3	0	3	0
Someone else	0	0	0	0
Undecided	30	37	29	34

	Income			Education	
	Below $50K	$50k-$100k	$100k & up	No 4-Yr. Degree	4-Year Degree
Biden	7	9	4	8	6
Bloomberg	9	17	9	8	15
Buttigieg	6	7	9	7	6
Klobuchar	3	8	9	10	5
Sanders	33	35	39	32	36
Warren	4	3	2	2	2
Another cand.	38	20	29	0	0
Undecided	7	9	4	32	30

	Gender		Age		Ideology		
	Male	Female	18-44	45+	Liberal	Moderate	Conservative
Biden	8	6	9	6	6	12	1
Bloomberg	14	10	8	13	13	9	6
Buttigieg	8	5	6	6	7	6	0
Gabbard	7	7	3	9	7	11	1
Klobuchar	40	30	56	26	34	25	76
Sanders	1	3	3	2	3	0	0
Steyer	0	0	0	0	0	0	0
Warren	23	37	15	37	30	36	15
Someone else	8	6	9	6	6	12	1
Undecided	14	10	8	13	13	9	6

UML908 Do you approve or disapprove of the way Donald Trump is handling his job as president?

7%	Approve
93	Disapprove

	Party ID Leaned		Party ID Unleaned	
	Democrat	Independent	Democrat	Independent
Approve	2	21	2	13
Disapprove	98	79	98	87

	Income			Education	
	Below $50K	$50k-$100k	$100k & up	No 4-Yr. Degree	4-Year Degree
Approve	5	10	4	6	7
Disapprove	95	90	96	94	93

	Gender		Age		Ideology		
	Male	Female	18-44	45+	Liberal	Moderate	Conservative
Approve	12	3	11	5	0	18	44
Disapprove	88	97	89	95	100	82	56

UML959-UML968 We'd like to ask you about how you feel about a number of national political figures. Please let us know if overall, you have a favorable or unfavorable impression of them. Select no opinion if you are undecided about that person, and "never heard of" if you've never heard of him or her.

	Favorable	Unfavorable	No Opinion	Never heard of
Donald Trump	4	93	2	*
Hillary Clinton	57	32	11	*
Barack Obama	90	7	3	0
Joe Biden	56	30	14	*
Michael Bloomberg	43	34	23	*
Pete Buttigieg	62	19	19	*
Amy Klobuchar	75	15	10	*
Bernie Sanders	62	27	11	0
Tom Steyer	30	22	42	7
Elizabeth Warren	71	19	10	*