Methodology

The New York Times/Siena College Research Institute surveys of Pennsylvania, Michigan, Florida, Wisconsin, North Carolina, Arizona and the United States were conducted on landline and cellular telephones over varying field periods from June 8 to June 22.¹

The surveys are response-rate adjusted stratified samples of registered voters on the L2 voter file. The probability of selection is equal to the reciprocal of telephone coverage and probability of response within strata defined by the interaction between state house district, age, party, sex, marital status, home ownership, race and turnout in the 2018 election. The probability of response was based on Times/Siena polls in October 2019 and a May 2020 test.

The surveys were fielded by Siena College Research Institute, ReconMR, the Institute for Policy and Opinion Research at Roanoke College, and the Public Opinion Research Laboratory at the University of North Florida. Interviewers asked for the person named on the voter file and ended the interview if the intended respondent was not available.

Interviews were conducted in English and Spanish on cellular and landline telephones. Over all, 63 percent of respondents were reached on a cellular telephone.

Stratified quota sampling was conducted within the interaction of voter-file-based measures of party, region and race. The sample was weighted to match the composition of registered voters by age, race, region, turnout, partisanship, gender, census block group density, marital status, home ownership and education. The national survey was also weighted by metropolitan status and whether at least 20 percent of cellphone records on the L2 voter file had a confidence code of "2", which strongly correlated with higher state productivity in the May 2020 test.

Population parameters for the composition of registered voters were based on data from the L2 voter file, except for region, density and education.²

The parameter for self-reported educational attainment was based on a model of registration in the November 2016 voting and registration supplement to the Current Population Survey, adjusted to match

¹ The polls of Wisc. was fielded from June 8 to 15, Penn., and Ariz. were fielded from June 8 to 16. The poll of Mich. was fielded from June 8 to 17. The polls of N.C. and Fla. Were fielded from June 8 to 18. The national survey was fielded from June 17 to 22.

² To estimate the composition of registered voters, all active registered voters who remain on the L2 voter file were assumed to be current registrants while inactive registered voters were assigned a probability of current residency. The probability of residency for inactive voters was based on a model of turnout in the 2018 election as a function of demographic characteristic, vote history, and voter status. The effect of inactive voter status on validated turnout, controlling for other covariates, was treated as an approximation of lower residency rates. The probability that inactive voters are current registrants was therefore equal to the mean turnout score for inactive voters, divided by the mean turnout score for inactive voters if their registration status had been active. For instance, if an inactive voter had a 10 percent chance of voting but would have had a 50 percent chance of voting if their status had been active, then their inferred probability of registration is 20 percent.

current statewide voter registration figures and estimates for the current demographic composition of the adult civilian non-institutionalized citizen population, based on data from the American Community Survey.

The national population parameter for region was based on U.S. Census Bureau regions, except that Maryland, Delaware and Washington, D.C., were considered part of the Northeast, while West Virginia was considered part of the South. The state regions were defined by The Upshot.

Metropolitan status was determined based on the 2013 National Center for Health Statistics <u>Urban-Rural</u> Classification Scheme for Counties.

The density parameter was based on census block group data from the 2014-2018 American Community Survey.

The self-reported age of the respondent was used for weighting, rather than the age associated with the respondent's record on the voter file, unless the respondent refused to state their year of birth.

The partisanship weight was based on party registration in the states where it was available. Elsewhere, partisanship was defined by participation in recent partisan primaries or, if neither party registration nor partisan primary vote was available, a model of vote choice in the 2016 presidential election.

The margin of error due to sampling for a proportion at 50 percent accounts for the survey's design effect, a measure of the loss of statistical power due to weighting.

Poll	N	Dates	deff	MoE
U.S.	1337	June 17-22	1.25	+/- 3
Battleground	3870	June 8-18	1.24	+/- 1.8
Pa.	651	June 8-16	1.21	+/- 4.2
Mich.	610	June 8-17	1.15	+/- 4.3
Fla.	651	June 8-18	1.44	+/- 4.6
Wis.	655	June 8-15	1.25	+/- 4.3
Ariz.	650	June 8-16	1.22	+/- 4.3
N.C.	653	June 8-18	1.14	+/- 4.1

Nature of the Sample

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Group	U.S.	Battlegrounds	Ariz.		Mich.			Wisc.
Female	53	53	51	54	53	54	52	53
Male	47	47	49	46	47	46	48	47
18 to 29	16	16	16	16	15	19	14	14
30 to 44	24	22	21	21	24	21	22	21
45 to 64	35	35	33	34	36	35	36	34
65 and older	25	27	30	28	25	25	28	29
Reg. Democrat	33	35	32	37	29	36	47	28
Reg. Republican	28	33	35	35	23	32	40	35
Reg. Other	38	32	33	27	49	33	13	37
HS or less	32	33	28	33	34	31	38	33
Some college	32	33	37	32	34	34	28	34
4-year college grad	21	21	21	21	19	22	20	21
Postgraduate Degree	13	12	12	12	11	12	14	10
White, college	22	23	22	20	22	23	27	26
White, no college	38	45	40	38	50	42	51	54
Non-white, college	12	8	10	13	7	10	6	4
Non-white, no college	24	19	24	27	17	21	13	11
White, non-Hispanic	62	69	62	58	72	65	78	80
Black, non-Hispanic	12	10	4	12	12	20	9	6
Hispanic	12	10	20	22	3	6	4	5
Other, non-Hispanic	12	7	10	6	9	6	6	4
Democrat	35	31	25	31	31	33	38	32
Republican	26	30	30	35	25	31	33	25
Independent	30	32	37	30	33	30	23	36
Other	3	3	3	3	4	3	3	3

Group	U.S.	Battlegrounds	Ariz.	Fla.	Mich.	N.C.	Pa.	Wisc.
Trump	-	38	39	39	34	37	39	39
Clinton	-	36	29	34	34	38	40	38
Johnson	-	3	5	2	4	2	3	4
Stein	-	1	1	1	1	1	1	1
[VOL] Voted, not for pres.	-	1	2	0	1	1	1	0
[VOL] Another cand.	-	1	1	1	1	1	2	1
[VOL] Write in	-	*	1	1	*	*	1	1
[VOL] DK/REF	-	3	3	4	3	4	3	4
Didn't vote	-	17	18	19	23	16	11	12
with validated 2016 vote	history							
Trump	-	45	48	44	41	45	46	44
Clinton	-	42	36	44	43	43	44	42
Johnson	-	4	7	3	5	3	2	5
Stein	-	1	0	1	2	1	2	1
[VOL] Voted, not for pres.	-	1	2	0	0	0	0	0
[VOL] Another cand.	-	1	1	1	1	1	2	1
[VOL] Write in	-	1	1	1	0	0	1	1
[VOL] DK/REF	-	4	2	4	5	5	3	4
Didn't vote	-	1	3	1	4	2	0	2