Methodology Statement
DDHQ/0ptimus
Likely Voter Survey
October 31, 2018 – November 1, 2018

The DDHQ/0ptimus survey was conducted from October 31, 2018 to November 1, 2018 and interviewed a total of 1,665 likely 2018 midterm general election voters in Arizona's 1st Congressional District and Ohio's 7th Congressional District. Interviews were gathered using IVR (landline only) and conducted by TCN.

The sample frame covers likely 2018 midterm general election voters within these two congressional districts with reported landlines from each state's voter file. Likely voters were identified as those who voted in either the 2010 and 2014 midterm general elections or the 2018 primary election plus additional voters who are expected to vote in the 2018 midterm general elections as determined by 0ptimus turnout modeling. The probability sample was selected using registration-based sampling (RBS) stratified by age group, gender, party and ethnicity for each early primary state.

The full sample included 802 likely voters in AZ-1 and 863 likely voters in OH-7. While the margins of error vary slightly across questions due to item non-response and the base rate, the margins of errors based on Q1 are reported as ± 3.5% in AZ-1, and ± 3.3% in OH-7. We calculate the margin of error as:

$$1.96 * \sqrt{\frac{\hat{p}(1 - \hat{p})}{n}}$$

where *n* is sample size and $\hat{p}$ is the response proportion.

Post-stratification weighting was used to correct for non-response across age group, gender, party, and ethnicity cohorts to allow the sample composition to match the sample frame composition. Further details are shown below.

Survey items can be found reported as toplines and as cross-tabulations on our GitHub repository.

Weighted Data

AZ-1	RAW N	UNBALANCED (%)	BALANCED (%)	POPULATION (%)
AGE GROUP				
18-35	19	2.4	3.5	4.6
35-55	60	7.5	20.7	21.1
55+	709	88.4	73.7	71.8
OTHER/MISSING	14	1.7	2.2	2.5
GENDER				
MALE	447	55.7	46.8	46.3
FEMALE	335	44.3	53.2	53.3
OTHER	0	0	0	0.4
PARTY				
REPUBLICAN	328	40.9	40.9	38.5
DEMOCRAT	335	41.8	40.6	38.5
NONPARTISAN	71	8.8	9.1	8.2
OTHER	68	8.5	9.5	14.7

OH-7	RAW N	UNBALANCED (%)	BALANCED (%)	POPULATION (%)
AGE GROUP				
18-35	13	1.5	10.0	10.3
35-55	106	12.3	26.5	26.3
55+	728	84.4	61.4	60.6
OTHER/MISSING	16	1.9	2.1	2.9
GENDER				
MALE	414	48.0	47.3	47.2
FEMALE	441	51.1	52.1	52.1
OTHER	8	0.9	0.6	0.7
PARTY				
REPUBLICAN	465	53.9	62.2	60.6
DEMOCRAT	368	42.6	34.4	32.9
NONPARTISAN	28	3.2	3.2	3.6
OTHER	2	0.2	0.1	2.9