



## Methodology

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In June 2018, AARP engaged Alan Newman Research (ANR) to conduct a quantitative research study among North Dakotans ages 50+. Topics included likelihood of voting in the upcoming November elections for U.S. Congress and other offices, as well as issues of importance to voters such as financial security and retirement, Social Security and Medicare, prescription drugs, and healthcare.

ANR completed a total of 806 telephone interviews (563 via landline telephones and 243 via cell phone).

Respondents were screened to meet the following criteria:

- Age 50+
- Resident of North Dakota

Survey length averaged 20 minutes.

## Sample

A registered voter list of 178,001 voters in North Dakota, purchased from Aristotle, was utilized for this study. The list was randomly divided into 178 replicates of 1,000 voters each. Initially, 15 replicates were released for calling, with additional replicates being opened as necessary. In all, 22 replicates representing a total of 21,500 voter records were dialed to complete this study. Both landline and cell phones were included in this research.

The total sample of 806 respondents yields a maximum statistical error of  $\pm 3.5\%$  at the 95% level of confidence. (This means that in 95 out of 100 samples of this size, the results obtained in the sample would be within  $\pm 3.5$  percentage points of the results obtained had everyone in the population been interviewed.)

## Interviewing

The survey was launched on August 22, 2018 and closed on August 31, 2018.

Interviewing was active between 5:30 p.m. and 9:00 p.m., with some additional calling done between 10:00 a.m. and 4:00 p.m. If necessary, up to 8 call attempts per telephone number were made to reach an eligible respondent. All numbers were called at multiple times of the day as well as days of the week to maximize each resident's opportunity for inclusion in the study.

Percentages of some questions may exceed 100% due to rounding or the use of multiple response question formats.

All data have been weighted by age, gender, race/ethnicity, and geographic distribution according June 2018 North Dakota Central Voter File statistics.

## Final Disposition Reports

FULL COMPLETES	806
SCHEDULED_CALLBACKS	1748
CALLBACK_NON_SPECIFIC	5523
SOFT REFUSAL	884
HARD REFUSAL	113
TERMINATED_EARLY	18
GOVERNMENT_BUSINESS	96
LANGUAGE_DEAF	12
SCREENED_OUT	53
OVER_QUOTA	0
NON_WORKING_NUMBERS	2957
BUSYS_UNCONFIRMED	0
BUSYS_CONFIRMED_HH	127
NO_ANSWERS_UNCONFIRMED	0
NO_ANSWERS_CONFIRMED_HH	2258
ANSWERING_MACHINE_SERVICE_UNCONFIRMED	0
ANSWERING_MACHINE_SERVICE_CONFIRMED_HH	6885
PRIVACY MANAGER	9
FAX	11
TOTAL	21500

## Production Summary

NUMBER OF FULL COMPLETES	806
TOTAL NUMBERS RELEASED	25100
COOPERATION RATE (COOP3)	45.8%
REFUSAL RATE (REF3)	6.2%
RESPONSE RATE (RR3) <sup>1</sup>	4.5%

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<sup>1</sup> This response rate formula (RR3) requires the calculation of 'e' which is the proportion of cases of unknown eligibility that are estimated to actually be eligible. The following formula was used to determine 'e':  $e = \frac{\text{Complete} + \text{Terminate Early} + \text{Confirmed Household No Answer, Busy, and Answering Machine} + \text{Callbacks} + \text{Language Barrier}}{\text{Complete} + \text{Terminate Early} + \text{Confirmed Household No Answer, Busy, and Answering Machine} + \text{Callbacks} + \text{Language Barrier} + \text{Government/Business} + \text{Non-Working} + \text{Screened Out} + \text{Over Quota}}$ .