

Ipsos Poll Conducted for Thomson Reuters

Core Political Data

AUGUST 12, 2020

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Core Political Data

These are findings from an Ipsos poll conducted

for



date

August 10-11, 2020



For the survey,

a sample of

1,215
Americans

including

1,034
Registered
Voters

521
Democratic
Registered
Voters

386
Republican
Registered
Voters

93
Independent
Registered
Voters

ages

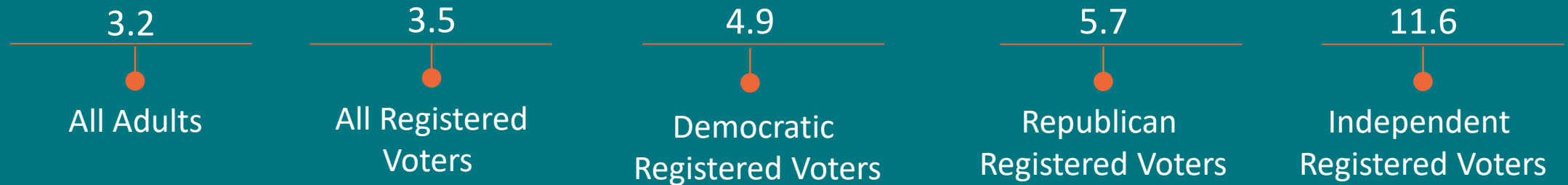
18+

were interviewed online

Core Political Data

The precision of the Reuters/Ipsos online polls is measured using a credibility interval.

In this case, the poll has a credibility interval of plus or minus the following percentage points



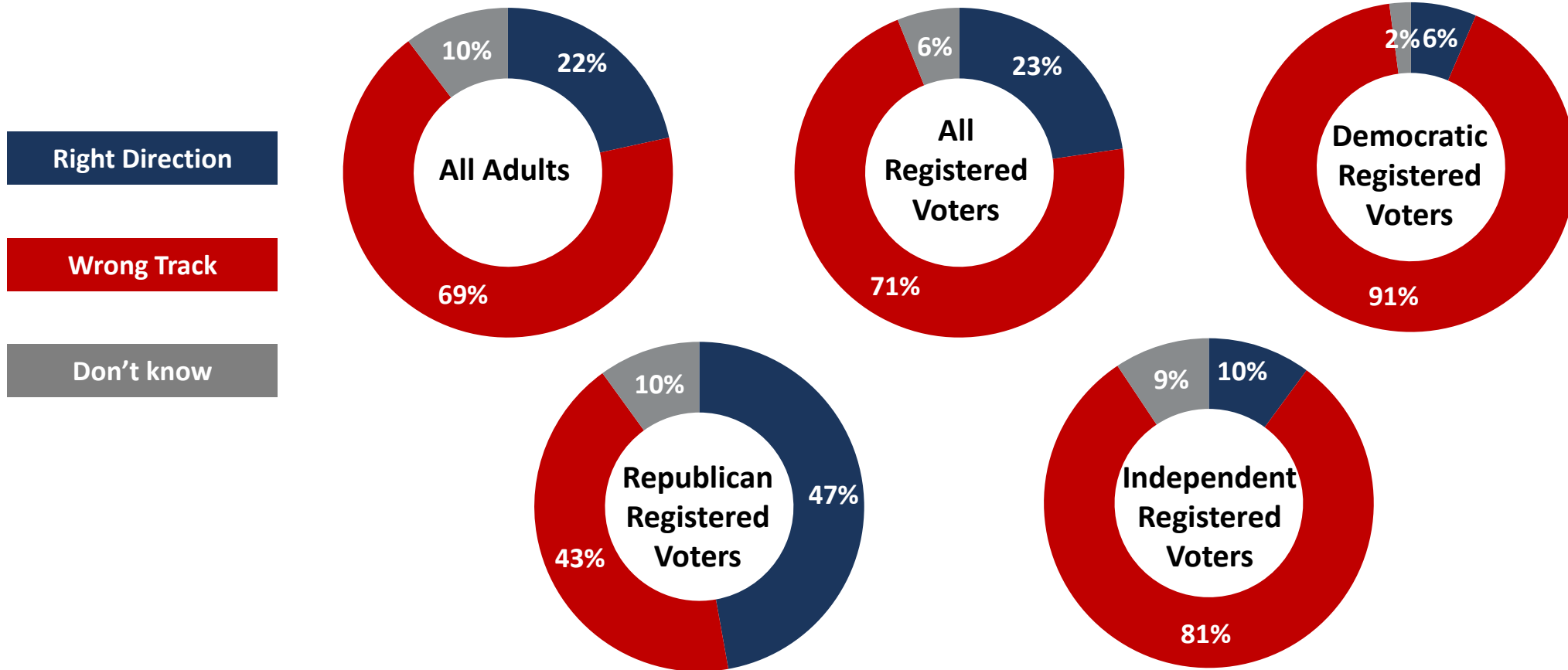
For more information about credibility intervals, please see the appendix.

Core Political Data

- The data were weighted to the U.S. current population data by:
 - Gender
 - Age
 - Education
 - Ethnicity
 - Region
- Statistical margins of error are not applicable to online polls.
- All sample surveys and polls may be subject to other sources of error, including, but not limited to coverage error and measurement error.
- Figures marked by an asterisk (*) indicate a percentage value of greater than zero but less than one half of one per cent.
- Where figures do not sum to 100, this is due to the effects of rounding.
- To see more information on this and other Reuters/Ipsos polls, please visit: <http://polling.reuters.com/>

Right Direction/Wrong Track

Generally speaking, would you say things in this country are heading in the right direction, or are they off on the wrong track?



Most Important Problem Facing America

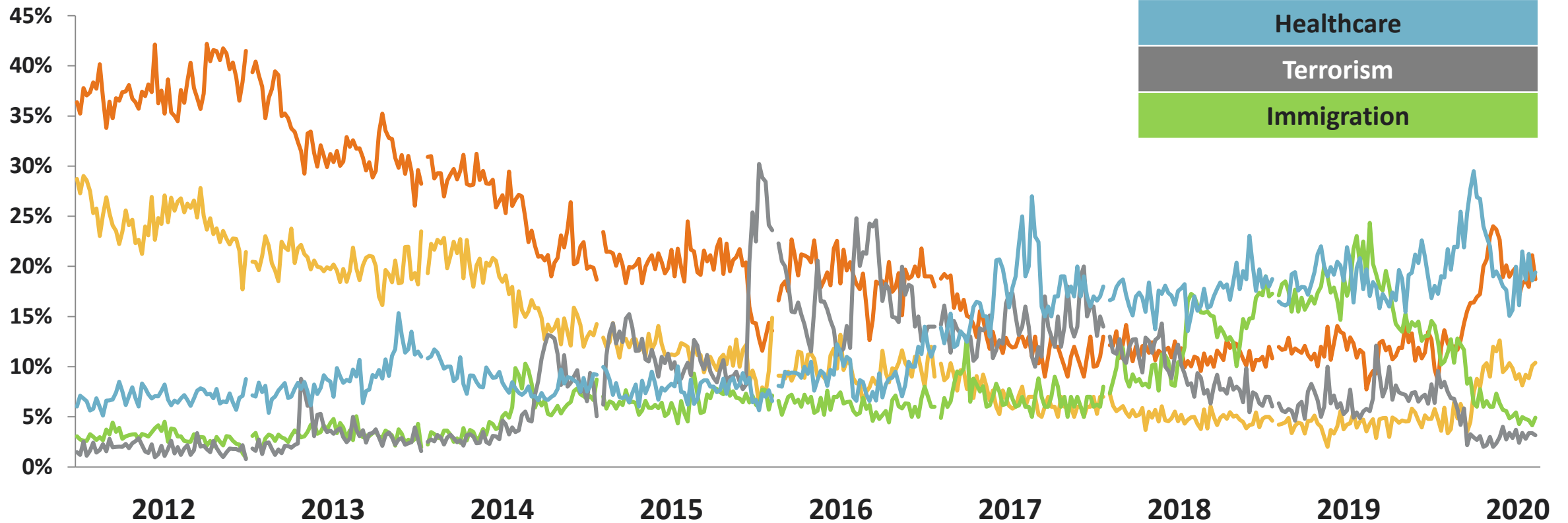
In your opinion, what is the most important problem facing the U.S. today?

| | All Adults | All Registered Voters | Democratic Registered Voters | Republican Registered Voters | Independent Registered Voters |
|--------------------------------------|------------|-----------------------|------------------------------|------------------------------|-------------------------------|
| Economy generally | 19% | 20% | 15% | 24% | 23% |
| Unemployment / lack of jobs | 10% | 10% | 10% | 11% | 9% |
| War / foreign conflicts | 2% | 2% | 1% | 3% | 2% |
| Immigration | 5% | 5% | 4% | 7% | 6% |
| Terrorism / terrorist attacks | 3% | 3% | 1% | 6% | 2% |
| Healthcare | 19% | 21% | 28% | 13% | 20% |
| Energy issues | 1% | 1% | 1% | 0% | 0% |
| Morality | 7% | 8% | 5% | 12% | 1% |
| Education | 4% | 3% | 4% | 1% | 4% |
| Crime | 4% | 4% | 2% | 8% | 3% |
| Environment | 5% | 5% | 7% | 3% | 1% |
| Other | 16% | 16% | 20% | 10% | 23% |
| Don't know | 4% | 2% | 1% | 2% | 5% |

ALL ADULT AMERICANS

Most Important Problem Facing America

In your opinion, what is the most important problem facing the U.S. today?



Donald Trump's Approval



Overall, do you approve or disapprove of the way Donald Trump is handling his job as President?

Is that strongly (approve/disapprove) or somewhat (approve/disapprove)? (Asked of those who selected "approve" or "disapprove")

Q2b. If you had to choose, do you lean more towards approve or disapprove? (Asked of those who selected "don't know")

| | All Adults | Registered Voters | Democratic Registered Voters | Republican Registered Voters | Independent Registered Voters |
|--------------------------------|------------|-------------------|------------------------------|------------------------------|-------------------------------|
| Strongly approve | 23% | 25% | 4% | 56% | 12% |
| Somewhat approve | 14% | 13% | 3% | 27% | 11% |
| Lean towards approve | 3% | 3% | 1% | 4% | 4% |
| Lean towards disapprove | 1% | 1% | 0% | 1% | 2% |
| Somewhat disapprove | 9% | 8% | 9% | 6% | 13% |
| Strongly disapprove | 45% | 48% | 81% | 5% | 46% |
| Not sure | 5% | 2% | 1% | 1% | 12% |
| TOTAL APPROVE | 40% | 41% | 8% | 87% | 27% |
| TOTAL DISAPPROVE | 55% | 57% | 91% | 12% | 61% |

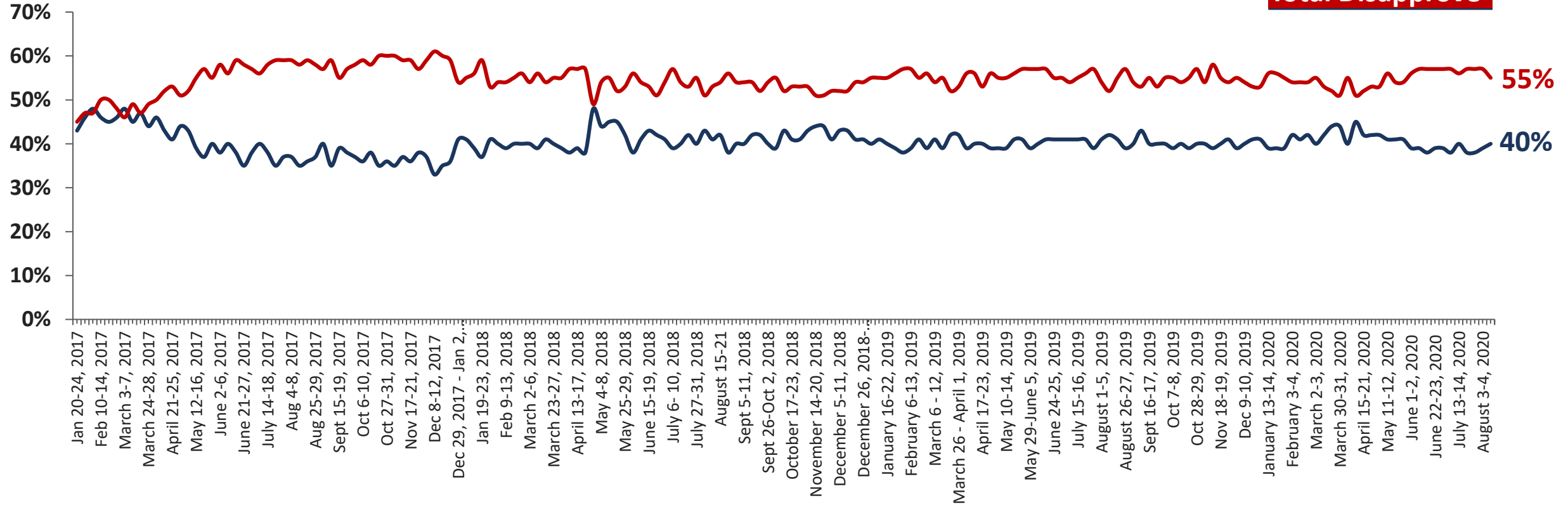
ALL ADULT AMERICANS

Donald Trump's Weekly Approval



Overall, do you approve or disapprove of the way Donald Trump is handling his job as President?

Total Approve
Total Disapprove



ALL ADULT AMERICANS

Issue Approval



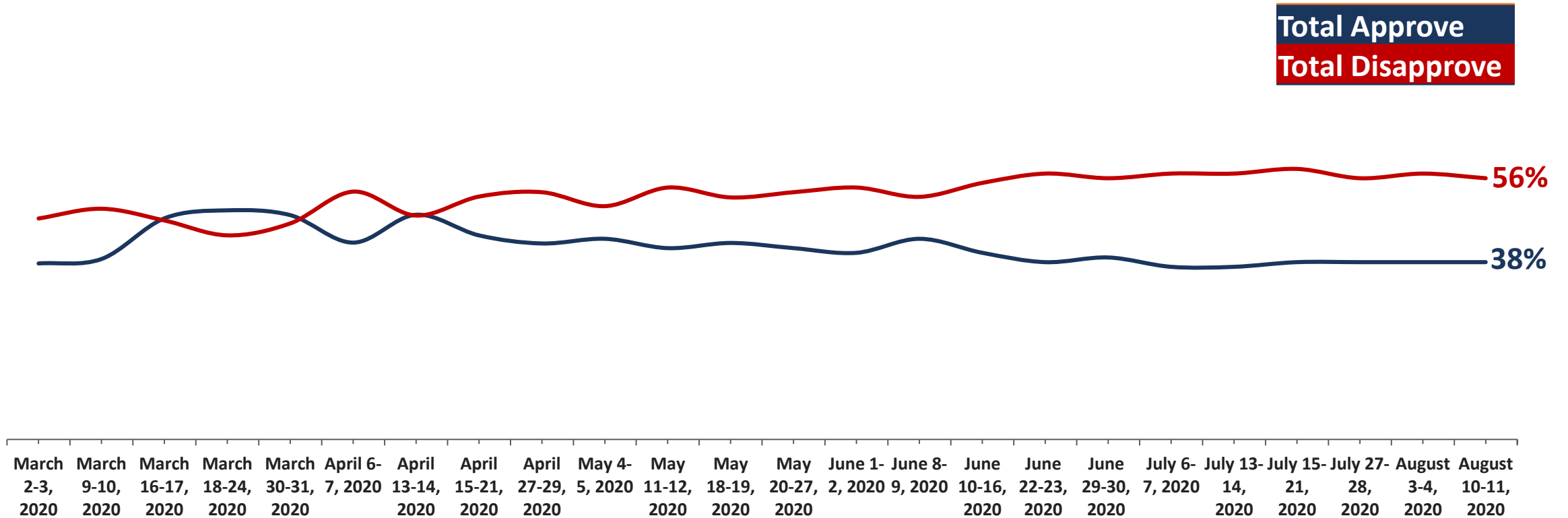
Do you approve or disapprove of the way Donald Trump is handling the following issues?

| | Strongly approve | Somewhat approve | Lean towards approve | Lean towards disapprove | Somewhat disapprove | Strongly disapprove | Don't know | TOTAL APPROVE | TOTAL DISAPPROVE |
|----------------------|------------------|------------------|----------------------|-------------------------|---------------------|---------------------|------------|---------------|------------------|
| The U.S. Economy | 26% | 12% | 10% | 7% | 8% | 32% | 5% | 48% | 46% |
| Healthcare Reform | 16% | 14% | 9% | 8% | 7% | 39% | 8% | 39% | 53% |
| Employment and jobs | 25% | 14% | 10% | 7% | 8% | 31% | 5% | 49% | 46% |
| Immigration | 25% | 11% | 8% | 6% | 6% | 39% | 6% | 43% | 51% |
| China | 23% | 11% | 9% | 7% | 8% | 36% | 7% | 42% | 51% |
| Coronavirus/COVID-19 | 17% | 14% | 7% | 7% | 5% | 43% | 6% | 38% | 56% |

ALL ADULT AMERICANS

Response to the Coronavirus

Do you approve or disapprove of the way Donald Trump is handling the following issues? Coronavirus/COVID-19:



ALL ADULT AMERICANS
General Election



If the 2020 presidential election were held today, would you vote for Donald Trump or Joe Biden?

*Order of candidates is randomly rotated in question text

| | All Adults | Registered Voters | Democratic Registered Voters | Republican Registered Voters | Independent Registered Voters |
|-----------------------------|------------|-------------------|------------------------------|------------------------------|-------------------------------|
| Donald Trump | 37% | 38% | 6% | 84% | 27% |
| Joe Biden | 44% | 49% | 86% | 7% | 32% |
| Some other candidate | 7% | 6% | 4% | 4% | 18% |
| I would not vote | 5% | 1% | 0% | 1% | 4% |
| Not sure | 7% | 5% | 4% | 4% | 19% |

ALL ADULT AMERICANS

General Election – Forced Choice



If the 2020 presidential election were held today, would you vote for Donald Trump or Joe Biden?*
If you had to choose, would you say you lean towards supporting Donald Trump or Joe Biden?*⁺

**Order of candidates is randomly rotated in question text*

+ Forced choice only asked of those who said “some other candidate”, “I would not vote”, or “not sure” in initial question

| | All Adults | Registered Voters | Democratic Registered Voters | Republican Registered Voters | Independent Registered Voters |
|-----------------------|------------|-------------------|------------------------------|------------------------------|-------------------------------|
| Donald Trump | 37% | 38% | 6% | 84% | 27% |
| Undecided, lean Trump | 6% | 4% | 2% | 7% | 11% |
| Undecided, lean Biden | 12% | 9% | 7% | 2% | 30% |
| Joe Biden | 44% | 49% | 86% | 7% | 32% |

ALL ADULT AMERICANS
General Election



If the 2020 presidential election were held today, and the candidates were as below, for whom would you vote?

| | All Adults | Registered Voters | Democratic Registered Voters | Republican Registered Voters | Independent Registered Voters |
|----------------------|------------|-------------------|------------------------------|------------------------------|-------------------------------|
| Donald Trump | 37% | 38% | 6% | 84% | 26% |
| Joe Biden | 43% | 47% | 83% | 6% | 32% |
| Jo Jorgensen | 2% | 2% | 1% | 1% | 4% |
| Howie Hawkins | 1% | 1% | 1% | 0% | 3% |
| Kanye West | 3% | 2% | 2% | 2% | 1% |
| Some other candidate | 3% | 3% | 3% | 1% | 16% |
| I would not vote | 5% | 2% | 1% | 2% | 2% |
| Not sure | 7% | 6% | 4% | 4% | 17% |

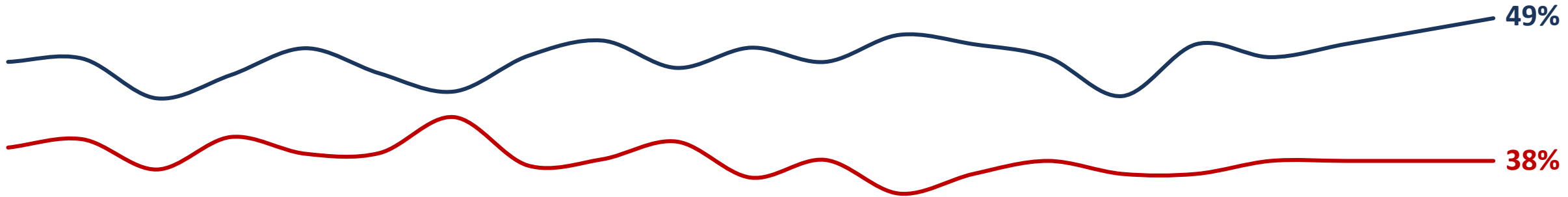
ALL REGISTERED VOTERS

Presidential Ballot Trend

If the 2020 presidential election were held today, would you vote for Donald Trump or Joe Biden? *Order of candidates is randomly rotated in question text*



Donald Trump
Joe Biden



March 18-24, 2020* March 30-31, 2020* April 6-7, 2020* April 13-14, 2020 April 15-21, 2020 April 27-29, 2020 May 4-5, 2020 May 11-12, 2020 May 18-19, 2020 May 20-27, 2020 June 1-2, 2020 June 8-9, 2020 June 10-16, 2020 June 22-23, 2020 June 29-30, 2020 July 6-7, 2020 July 13-14, 2020 July 15-21, 2020 July 27-28, 2020 August 3-4, 2020 August 10-11, 2020

*"If the 2020 presidential election were being held today and the candidates were as below, for whom would you vote?" Question text from March 18-April 7, 2020

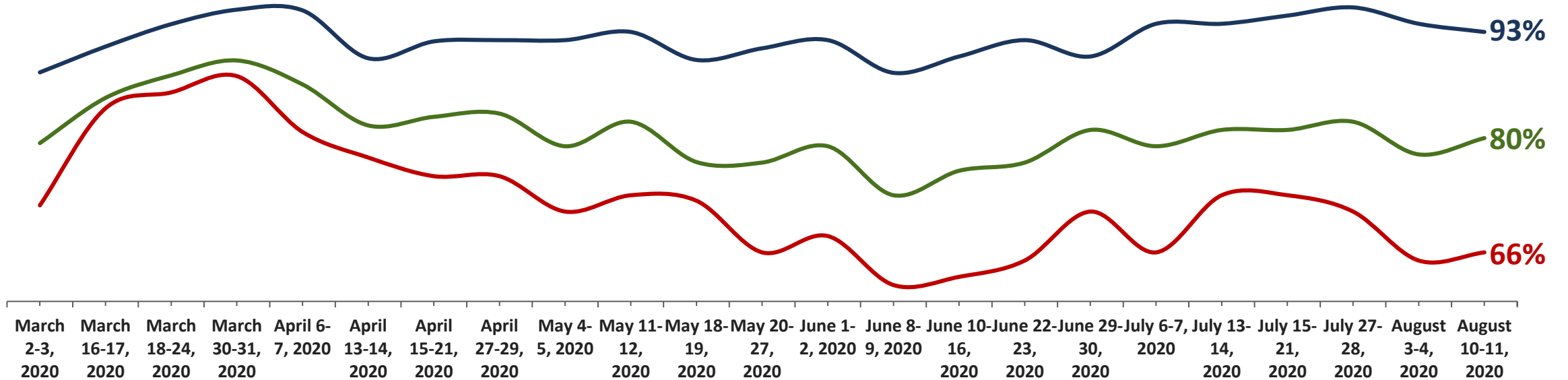
ALL ADULT AMERICANS

Coronavirus Concern

How concerned are you personally about the spread of coronavirus/COVID-19?

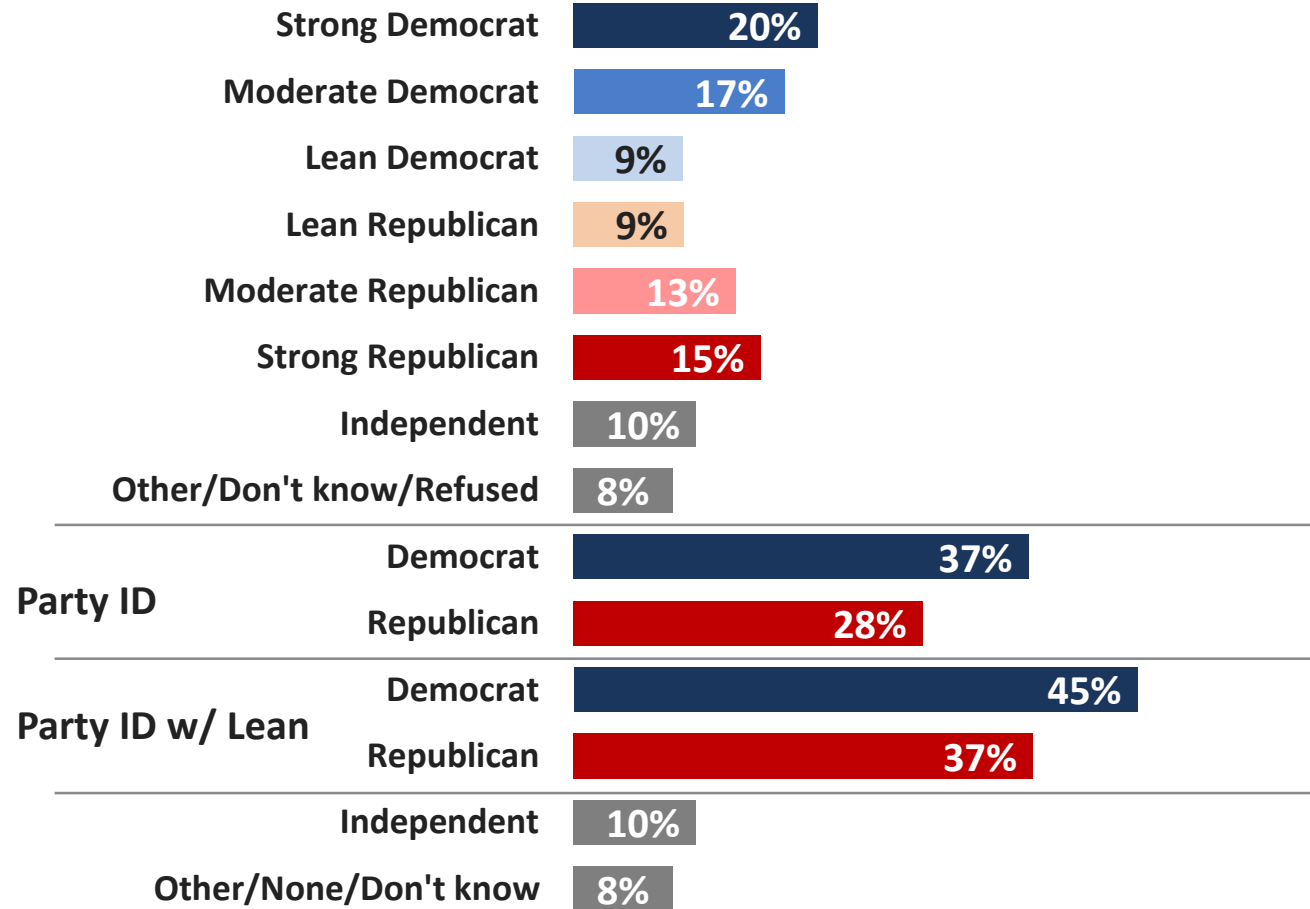
% Somewhat/Very concerned

All Americans
Democratic Registered Voters
Republican Registered Voters



Political Identity

With which political party do you most identify?



How to Calculate Bayesian Credibility Intervals

The calculation of credibility intervals assumes that Y has a binomial distribution conditioned on the parameter θ , i.e., $Y|\theta \sim \text{bin}(n, \theta)$, where n is the size of our sample. In this setting, Y counts the number of “yes”, or “1”, observed in the sample, so that the sample mean (\bar{Y}) is a natural estimate of the true population proportion θ . This model is often called the likelihood function, and it is a standard concept in both the bayesian and the classical framework. The bayesian¹ statistics combines both the prior distribution and the likelihood function to create a posterior distribution.

The posterior distribution represents our opinion about which are the plausible values for θ adjusted after observing the sample data. In reality, the posterior distribution is one’s knowledge base updated using the latest survey information. For the prior and likelihood functions specified here, the posterior distribution is also a beta distribution ($\pi(\frac{\theta}{y}) \sim \beta(y+a, n-y+b)$), but with updated hyper-parameters.

Our credibility interval for θ is based on this posterior distribution. As mentioned above, these intervals represent our belief about which are the most plausible values for θ given our updated knowledge base. There are different ways to calculate these intervals based on $\pi(\frac{\theta}{y})$. Since we want only one measure of precision for all variables in the survey, analogous to what is done within the classical framework, we will compute the largest possible credibility interval for any observed sample. The worst case occurs when we assume that $a=1$ and $b=1$ and $y=n/2$. Using a simple approximation of the posterior by the normal distribution, the 95% credibility interval is given by, approximately: $\bar{Y} \mp \frac{1}{\sqrt{n}}$

How to Calculate Bayesian Credibility Intervals

FOR THIS POLL

The Bayesian credibility interval was adjusted using standard weighting design effect $1+L=1.3$ to account for complex weighting²

Examples of credibility intervals for different base sizes are below:

| SAMPLE SIZE | CREDIBILITY INTERVALS |
|-------------|-----------------------|
| 2,000 | 2.5 |
| 1,500 | 2.9 |
| 1,000 | 3.5 |
| 750 | 4.1 |
| 500 | 5.0 |
| 350 | 6.0 |
| 200 | 7.9 |
| 100 | 11.2 |

¹ *Bayesian Data Analysis, Second Edition*, Andrew Gelman, John B. Carlin, Hal S. Stern, Donald B. Rubin, Chapman & Hall/CRC | ISBN: 158488388X | 2003

² Kish, L. (1992). *Weighting for unequal Pi*. *Journal of Official Statistics*, 8, 2, 183200.

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