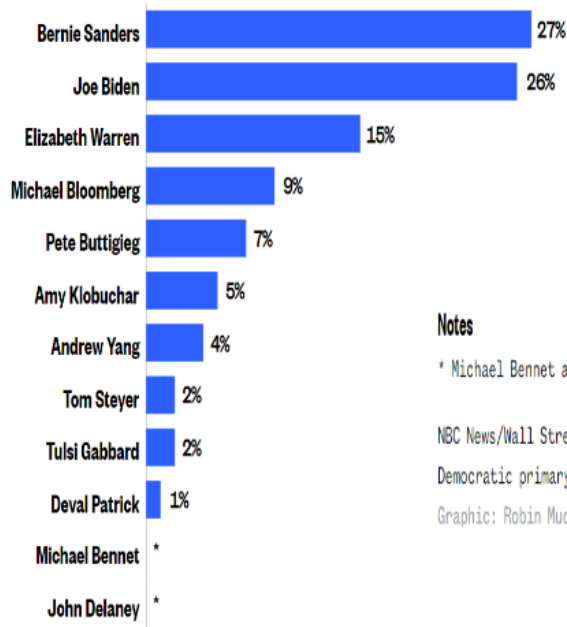


## Sanders, Biden neck-and-neck in new national NBC/WSJ poll

Warren is the only other Democrat in double-digits.



### Notes

\* Michael Bennet and John Delaney have less than 1 percent in polls.

NBC News/Wall Street Journal poll, January 26-29, 2020. Margin of error for Democratic primary voters is +/- 4.74 percentage points

Graphic: Robin Muccari / NBC News

1. What is the population of interest?
2. What is the  $\hat{p}$  for Bernie Sanders?
3. What is the margin of error for any candidate?
4. What is the confidence interval for Elizabeth Warren? (show as an interval (min,max))
5. Why would one say that there is a tie between Biden and Sanders even though their proportions are different?
6. Assuming they are all 95% intervals interpret, in context, the interval for Joe Biden.
7. What is meant by a 95% confidence level?