

It's Election Day in America

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- ▶ **Every election has a story to tell.
Sometimes we don't know what that story is until long after the ballots are counted.**

▶ In this heightened environment, it is easy to think every issue is a cyber attack, but it is important to remember the many moving parts.

Hackers? No, human error plagues Arizona primary voting

By ASTRID GALVAN Associated Press Aug 29, 2018 Updated 5 hrs ago

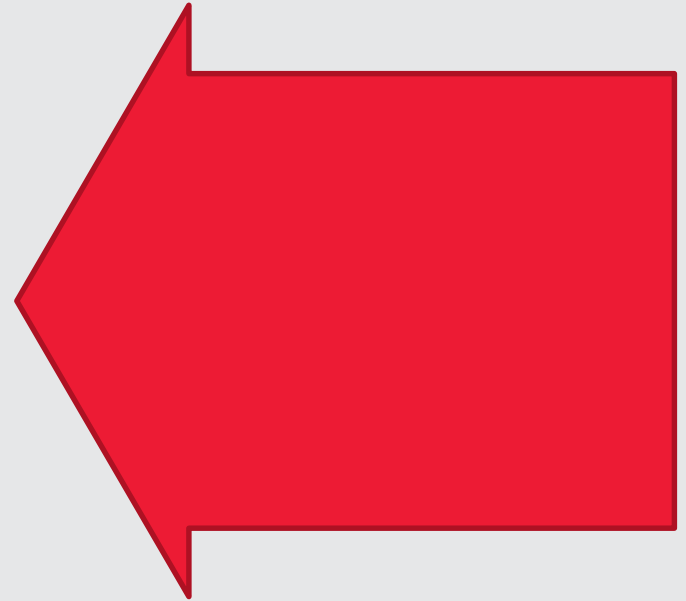


More than 200 polling places were not working Tuesday morning for Arizona's primary election. Officials say a contractor hired

It's Complicated: Election Basics

50 States
3,140 Counties
1,620 NE Townships
5,312 Midwest Townships
10,072 Election Jurisdictions

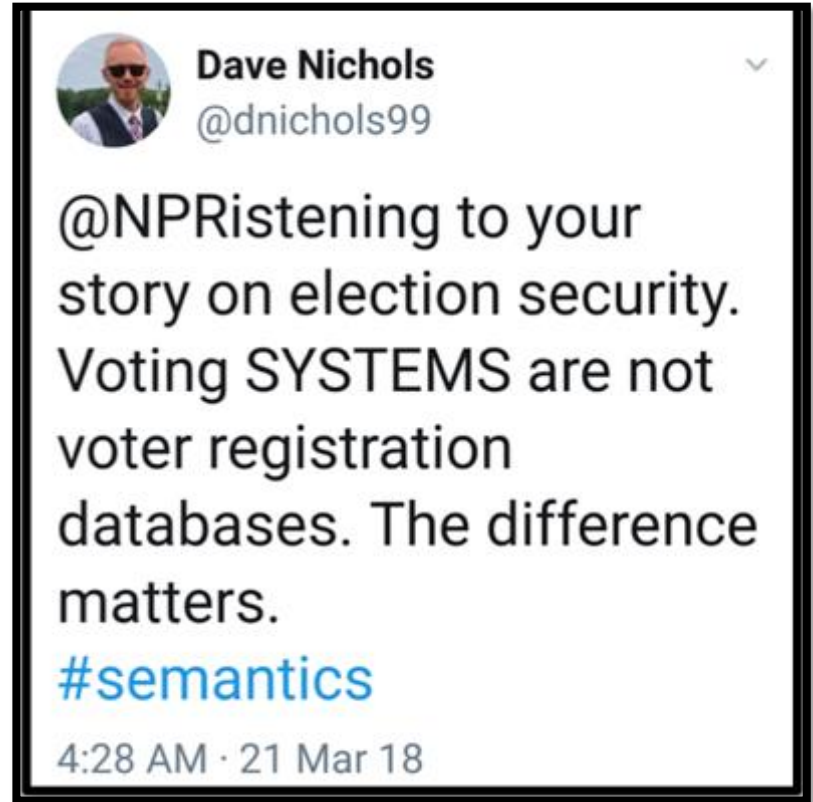
Statistics from Election Data Services



Voter Registration / Election *Management* Systems

Voting Systems

Election Terminology...Words Matter!



VR: in all but 1 state is the first step.

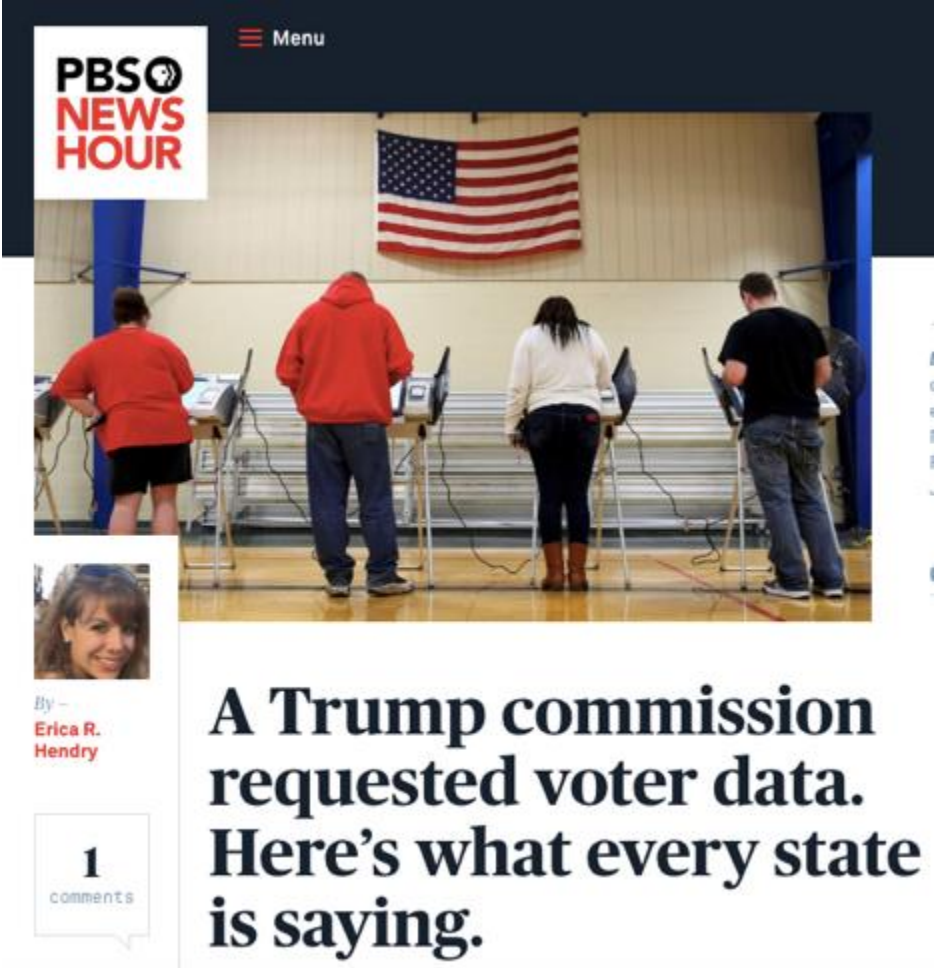


(& we have seen this as the first target of adversaries)

Voter Registration




What is official?
What is public?
What is private?



The image is a screenshot of a news article from PBSO News Hour. At the top left is the PBSO News Hour logo, and at the top right is a 'Menu' button. The main image shows four people standing at voting stations in a gymnasium, with an American flag hanging on the wall behind them. Below the main image is a smaller portrait of the author, Erica R. Hendry. The article title is 'A Trump commission requested voter data. Here's what every state is saying.' Below the title is a comment count of '1 comments'.

PBSO NEWS HOUR

Menu



By Erica R. Hendry

1 comments

A Trump commission requested voter data. Here's what every state is saying.

Official vs. Everything Else...

The image is a screenshot of a CNN news article. At the top left, the CNN logo is followed by the word 'politics'. To the right of this are navigation links: '45 CONGRESS SUPREME COURT 2018 KEY RACES PRIMARY RESULTS'. Further right are social media icons for Facebook, Twitter, and Instagram, along with a search icon. The main headline reads 'Jeh Johnson hearing: House Russia probe digs into DNC cyberfailings, voter roll hacks'. Below the headline is a byline: 'By Tom LoBianco, CNN' and a timestamp: 'Updated 10:02 AM ET, Thu June 22, 2017'. To the right of the byline are icons for email, Facebook, Twitter, and a more options menu. Below the byline is a large photograph of Jeh Johnson speaking at a hearing. To the right of the photo is a section titled 'MORE FROM CNN' with two article teasers: 'From straw bans to \$15 minimum wage, July 1 brings new laws' and 'Woman, 92, allegedly killed son who wanted to put her in a...'. Below the teasers is a Photoshop Lightroom CC advertisement. At the bottom of the page is a cookie consent banner with the text: 'We use cookies to understand how you use our site and to improve your experience. This includes... click here. By continuing to use our site, you... More information I accept X'.

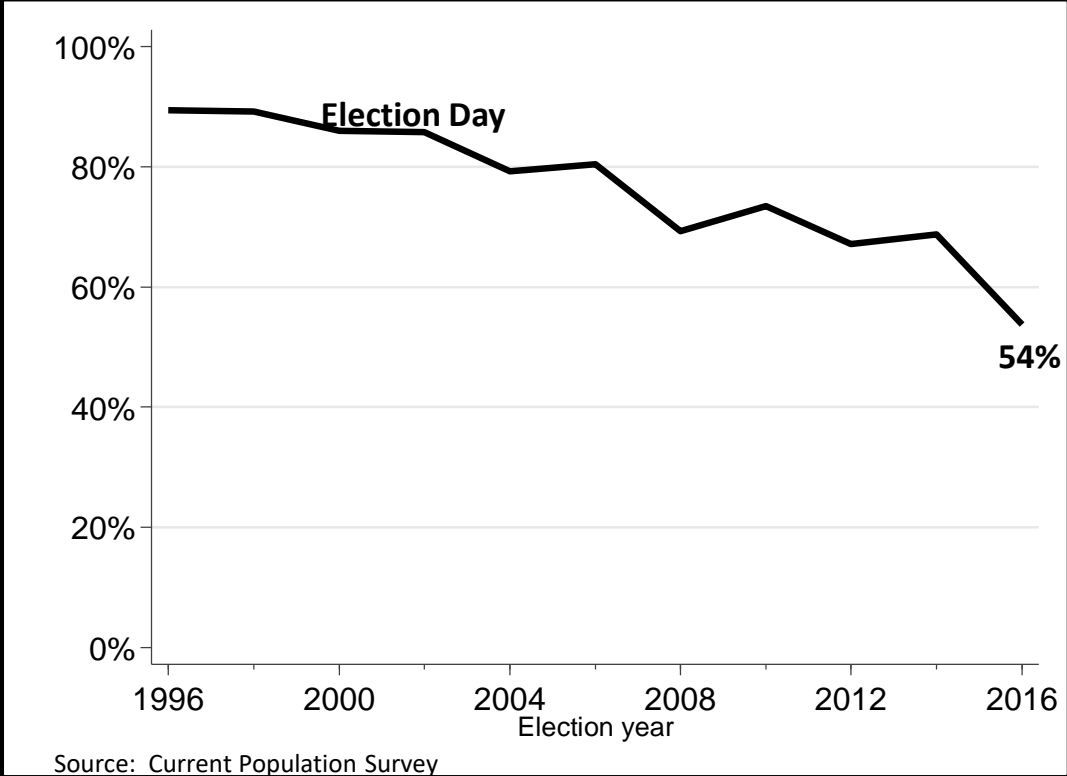


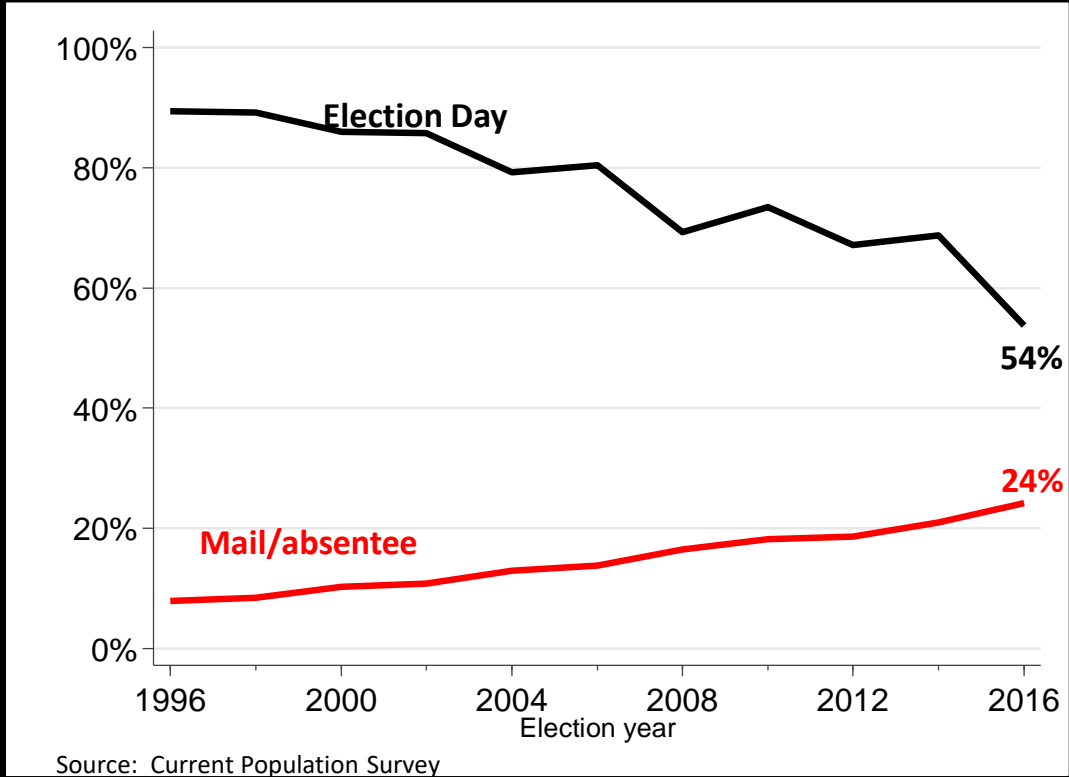
HOW WE VOTE

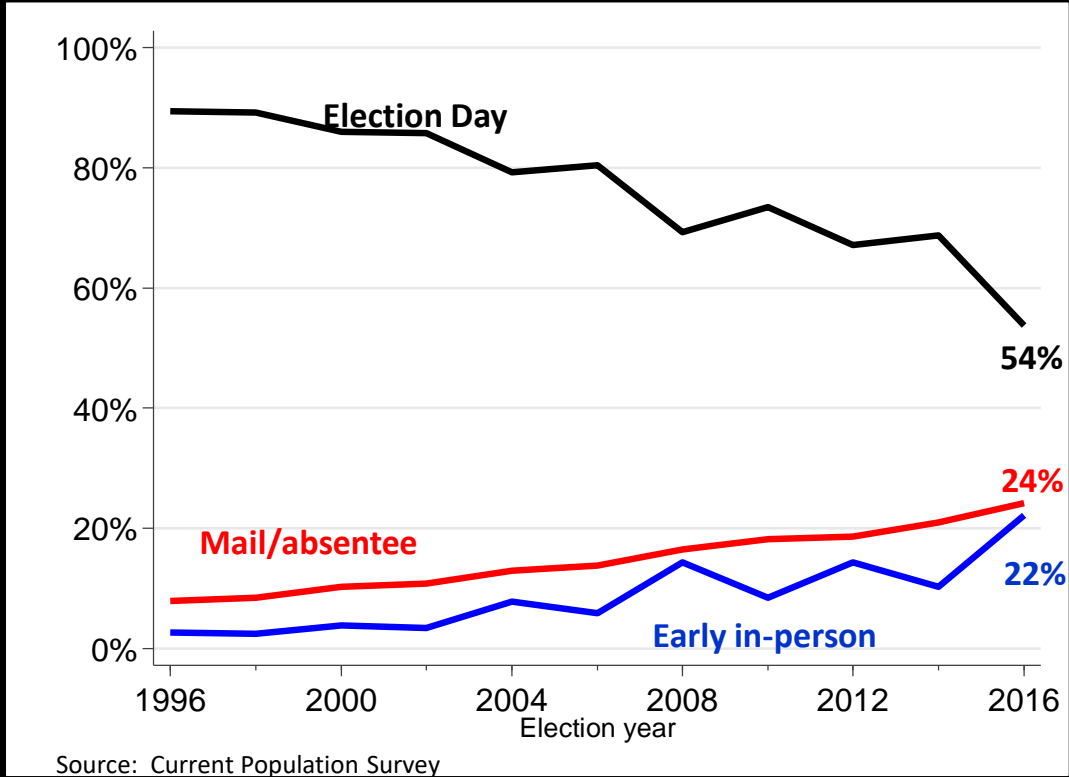
Charles Stewart III, MIT

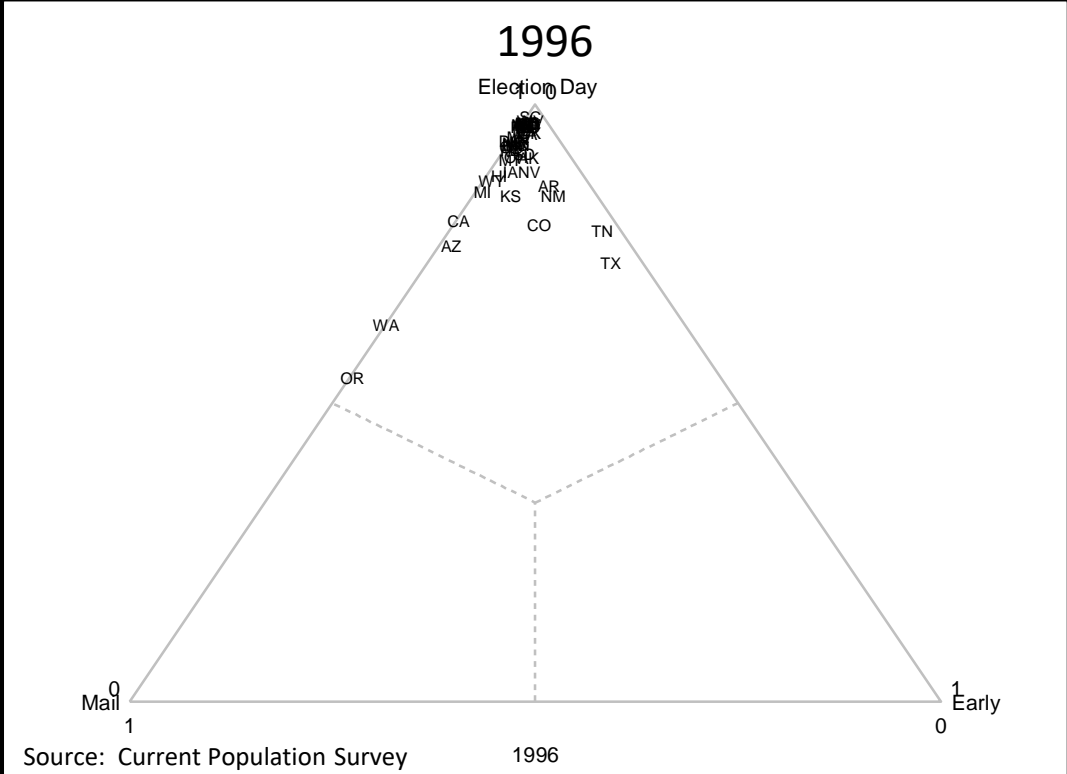
Performance of American Elections (SPAE) data

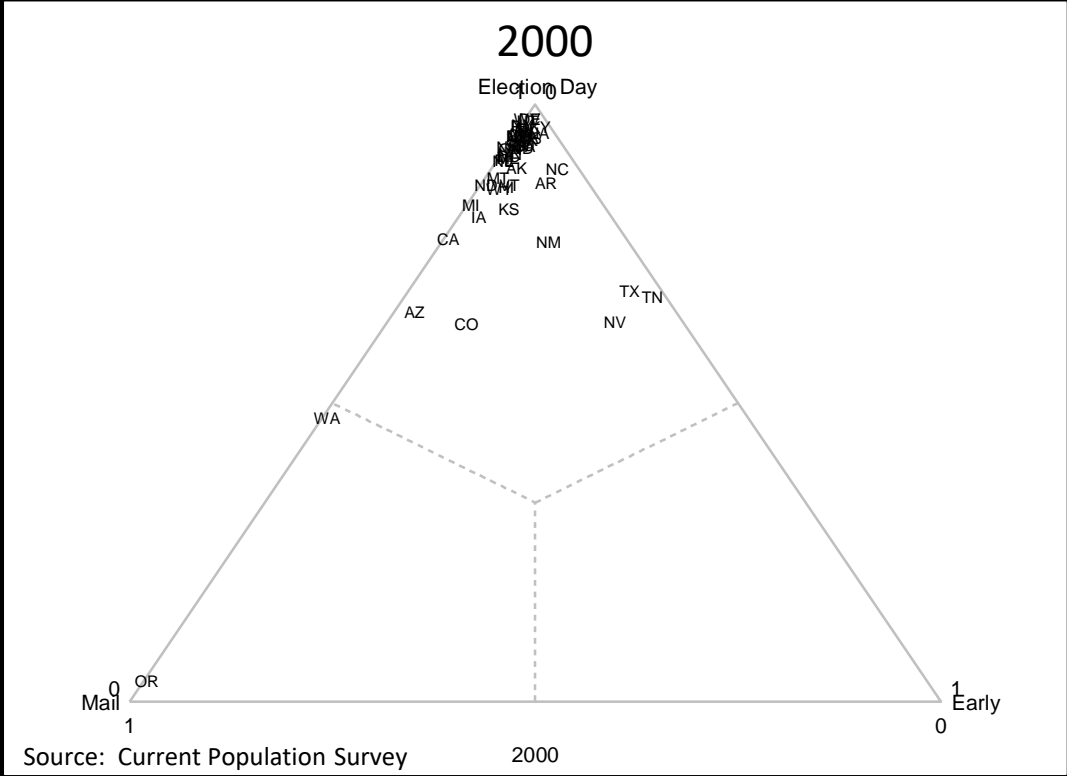
Democracy Fund | Election Day in America | November 6th, 2018

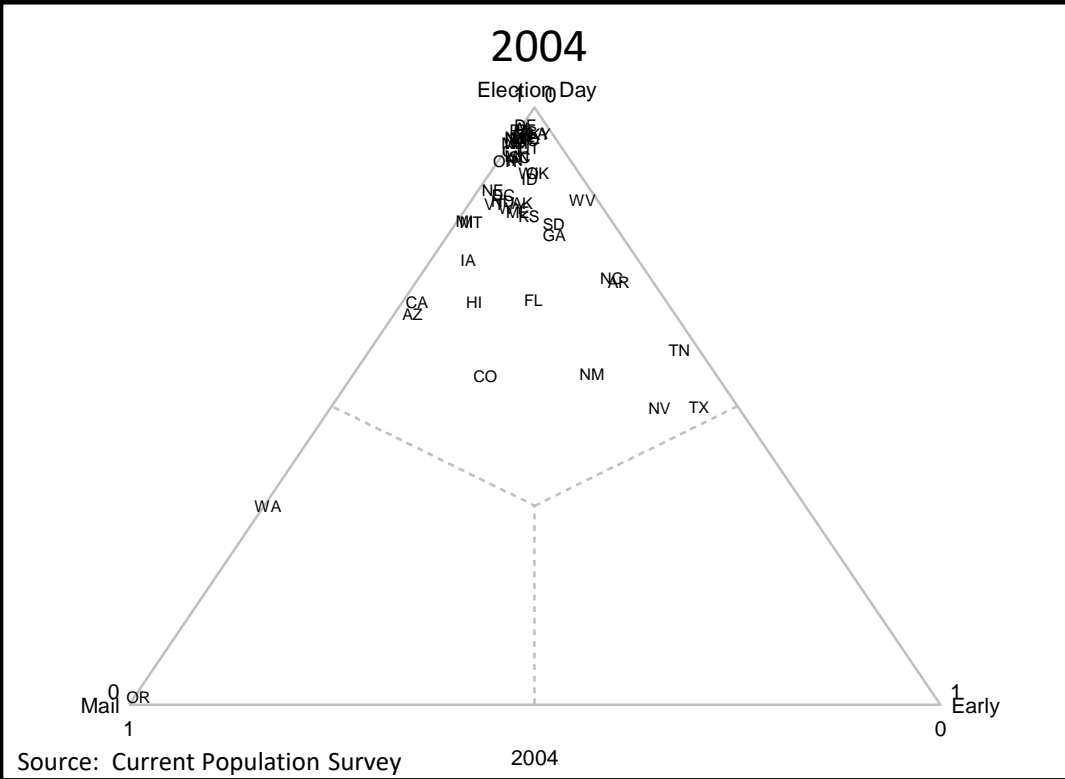


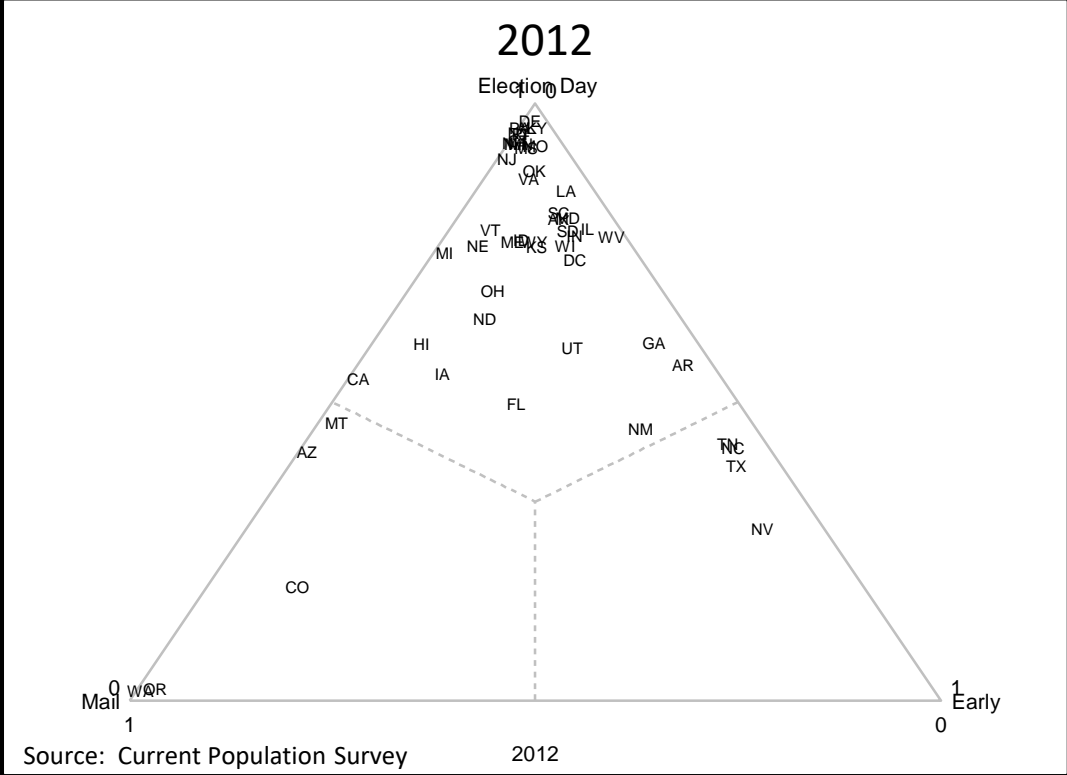


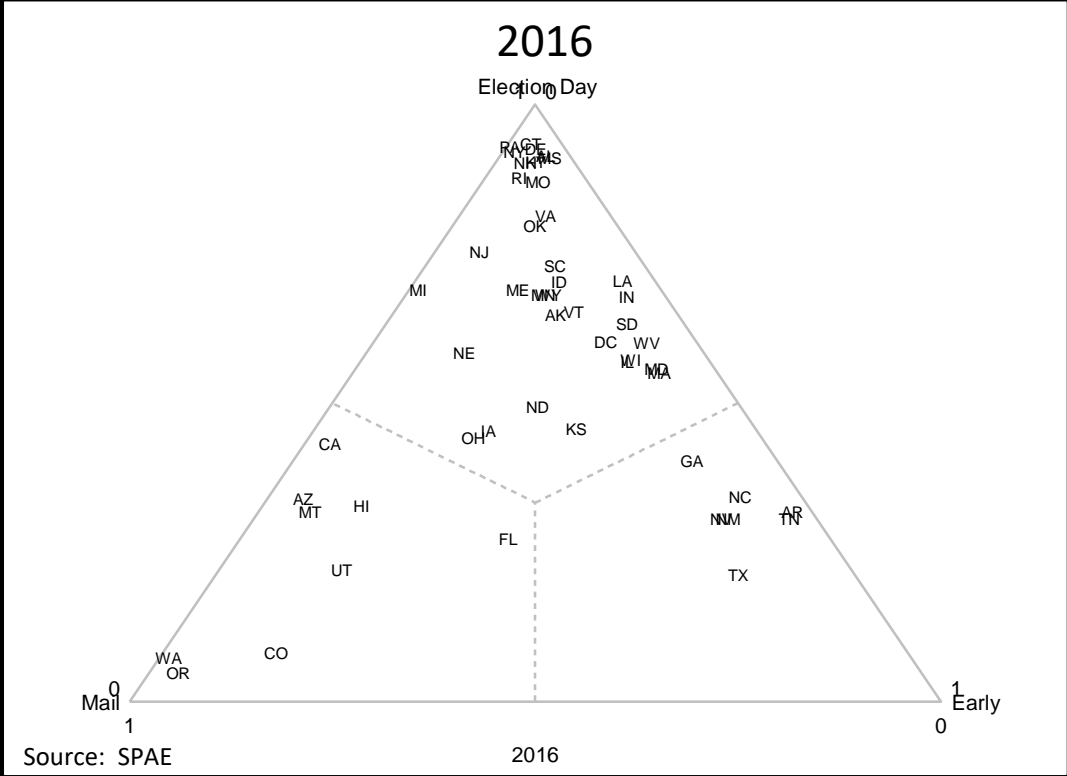










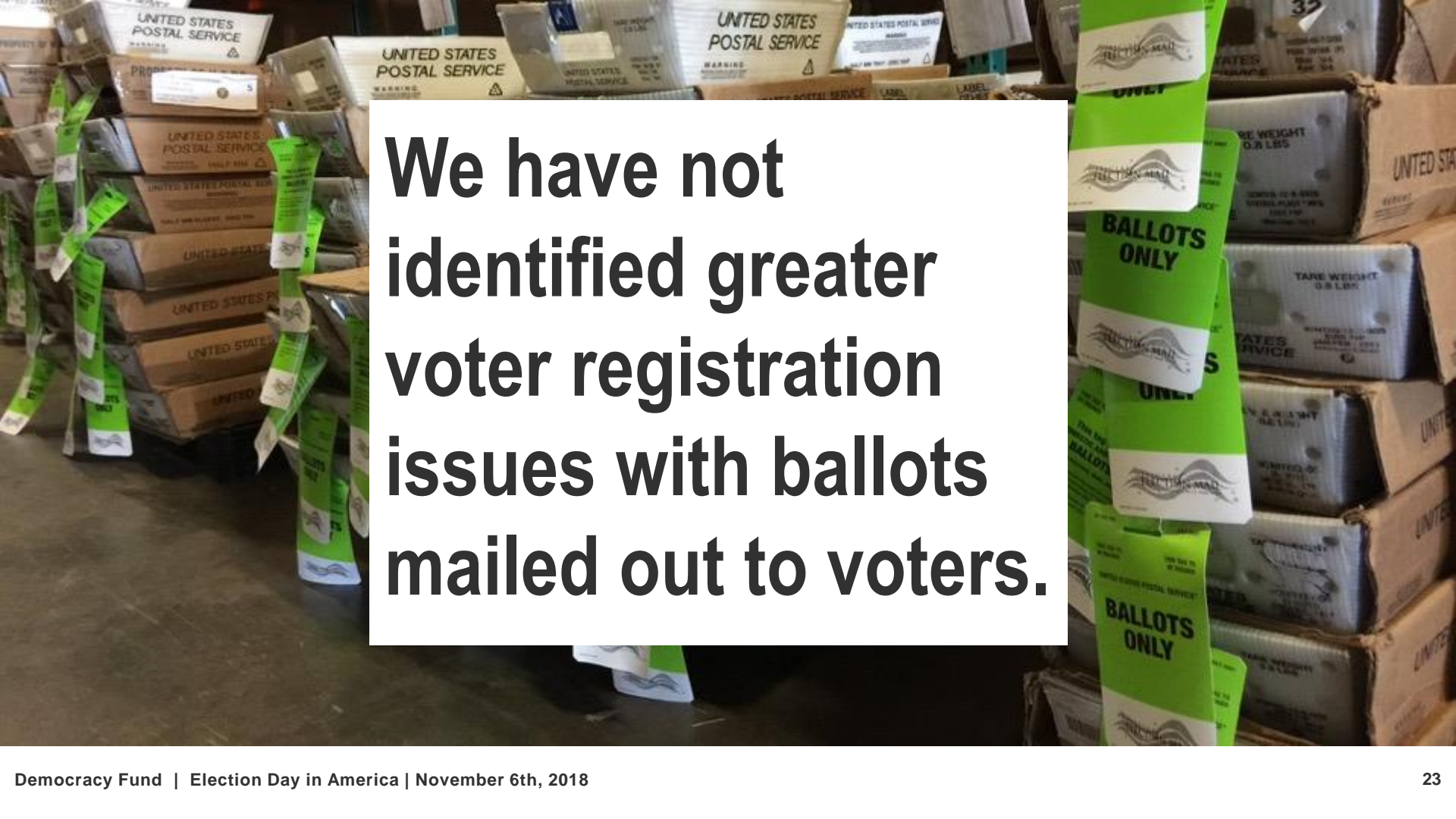




When voters have options in when they vote, in person and by mail, any attacks on the voter registration system would come to light earlier.



We have not had stories of massive registration issues during early voting.



We have not identified greater voter registration issues with ballots mailed out to voters.

Clark County Election Department

VOTING MORE THAN ONCE PROHIBITED

No person who is entitled to vote shall vote or attempt to vote more than once at the same election. Any person who votes or attempts to vote twice at the same election is guilty of a felony.

NRS 293.780

El Departamento de Elecciones del Condado de Clark

VOTAR MÁS DE UNA VEZ PROHIBIDO

Ninguna persona que tiene derecho a votar votará ni intentará votar más de una vez en la misma elección. Cualquier persona que vote o intente votar más de una vez en la misma elección es culpable de un delito.

NRS 293.780



Clark County Election Department

No LOITERING

Interference of election process strictly prohibited.

NRS 293.700 - 293.840

El Departamento de Elecciones del Condado de Clark

DEAR

el proceso determinante-

NRS 293.700 - 293.840

Nor have we heard of issues today.



- It is Election Day in America, our “Great Experiment”.
- What have we seen in the past that we should continue to watch, as well as improve by 2020?


Myth Busting: Not all eligible ballots

↳ You Retweeted



Sam Mahood @Sam_Mahood · 3h

Elections officials take the time to carefully process and count every eligible ballot. Even if it's a "blowout" election. Even if it's a provisional ballot. It is a sad misconception that elections officials just stop "counting" or arbitrarily "throw out" ballots.

Louie  @Mantia

What's something that seems obvious within your profession, but the general public seems to misunderstand?

[Show this thread](#)

Provisionals too!



MontgomeryMDVotes · 9h

Doing our part for democracy in the office this Fourth of July. Provisional ballots for the 2018 gubernatorial primary election are ready to begin counting.

[#MoCoVotes](#) [#mdvotes](#)



Dean Logan, RR/CC · Jun 6

Every vote counts. Our office is working hard this morning preparing provisional ballots from [#CAPrimary](#) to be sent to our data team for processing. For more info on how provisional ballots work visit lavote.net/documents/mate...



Critical Infrastructure:



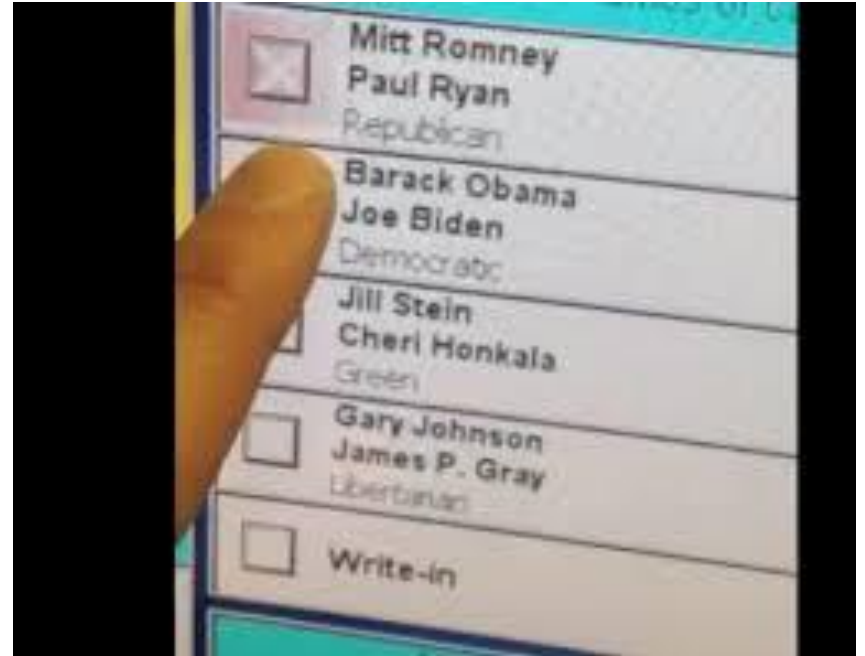
Vintage

- Can you hack a dot-matrix printer?
- Some of the technology used in today's elections was created before many of this generation of hackers were born.



Bug or Feature?

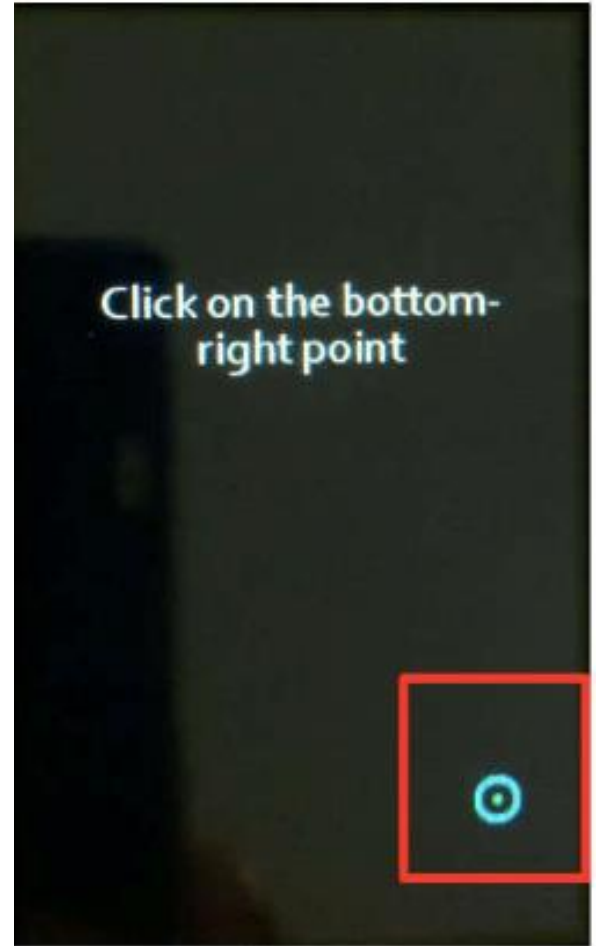
- Much of the voting equipment in the country was produced before the first iPhone.
- You have to “deselect” one choice before making another.



Also, Remember calibration?

Yup, that's the technology
being used.

Still.



**The reality of
funding support
for elections &
election
administration is
that officials must
be resourceful.**



Logic and Accuracy testing and proper maintenance protocols will only last so long.





- Documenting security measures and having robust chain of custody notations is ever increasingly important.
- Public confidence rests on our ability to demonstrate nothing was tampered with.



Maricopa County, AZ

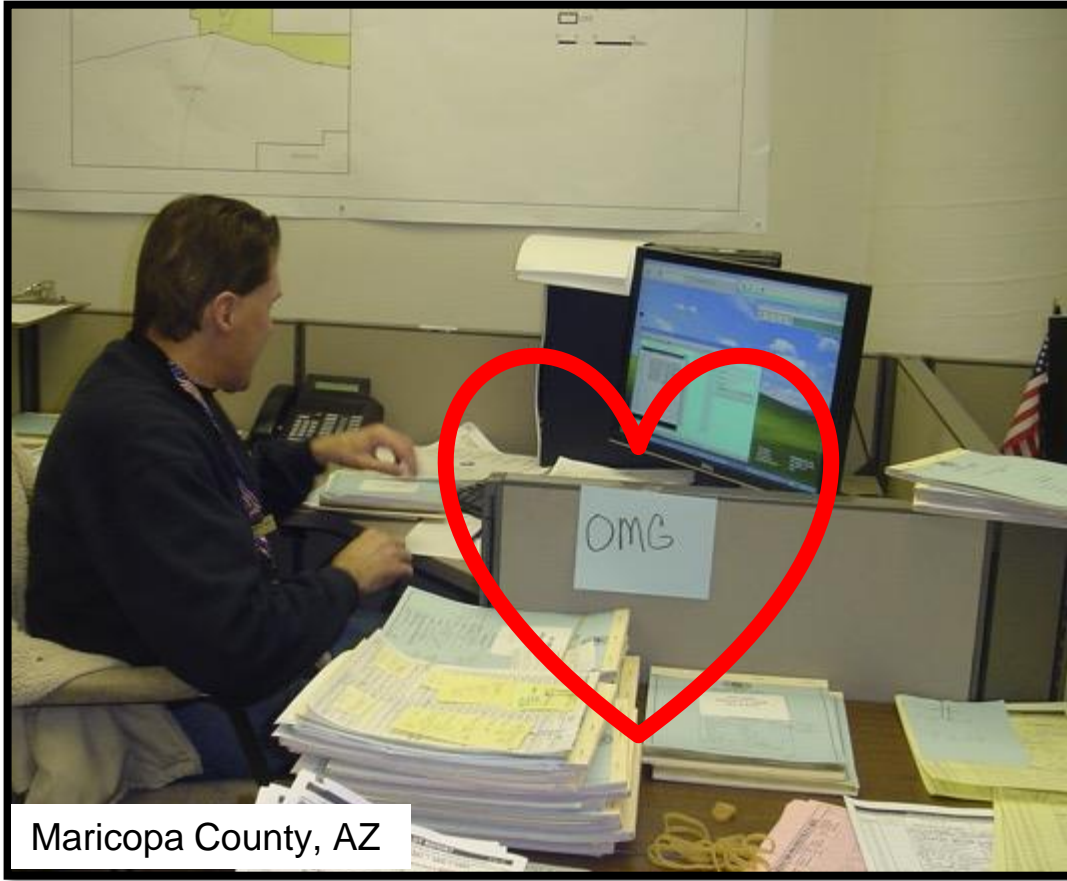




St. Louis County, MO



- Election officials are in new territory—most have been dedicated to transparency of process, now they realize that security of systems may not mean 100% transparency.
- Not all details will be disclosed.



Maricopa County, AZ

Reconciliation Audits



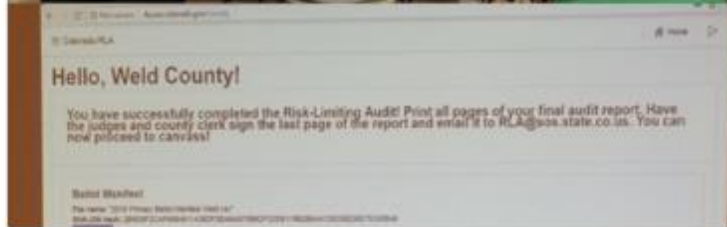
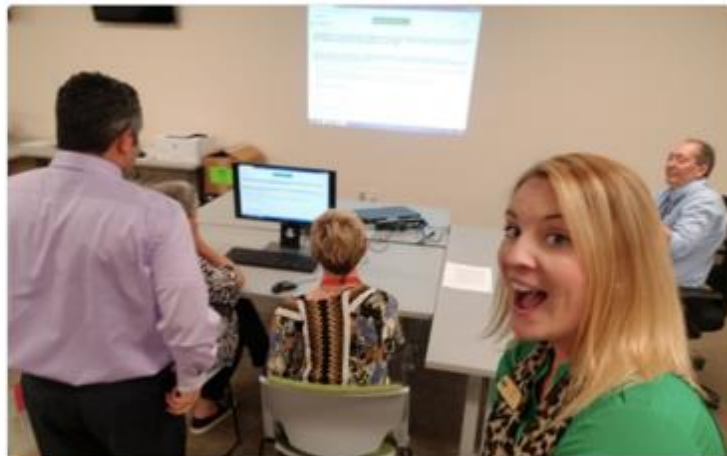
OC Registrar @OCRegistrar · Jun 12

300,000+ ballots sorted for use in our risk-limiting audit. #VoteOC2018



Carly Koppes @KoppesCarly · Jul 7

And we PAST!!! CONGRATS TEAM WELD!! #weld #weldvotes #CORLA2018 #countoncarly



Risk Limiting Audits

Fighting Misinformation

¡Policía de inmigración en las cabinas de votación!

pic.twitter.com/Fzbz5oAiNM

7:28 PM - Oct 28, 2016



See TrumpsDeplorables's other Tweets

The picture is photoshopped from a photograph of a voting line outside of a March Arizona primary voting location - [used widely](#) by several media organizations - and a [Wikipedia Commons](#) picture of an immigration officer making an arrest. The photos are below:



MATT YORK/AP

FILE - In this March 22, 2016 file photo, voters wait in line to cast their ballot in Arizona's presidential primary election in Gilbert, Ariz. New ID requirements. Unfamiliar or distant polling places. Names missing from the voter rolls. Those are just some of the challenges that could disrupt voting across the country through Election Day. While most elections have their share of glitches, experts worry conditions are ripe this year for trouble at the nation's polling places.



- ▶ **The real Achilles heel in our democratic process is not in the physical- or cyber-security of our voting system, but in the confidence our citizens feel in the electoral process.**

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