

California Secretary of State

Supplementary Report:

UCLA Voter's Choice Act (VCA) Report on Race and Ethnicity in the 2022 Primary Election

University of California, Los Angeles
Voting Rights Project

Utilizing Bayesian Improved Surname Geocoding (BISG) on the 2022 Primary Election Voter File

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California Voter's Choice Act:

Utilizing Bayesian Improved Surname Geocoding (BISG) on the 2022 Primary Election Voter File

BY UCLA VOTING RIGHTS PROJECT IN PARTNERSHIP WITH THE CALIFORNIA SECRETARY OF
STATE OFFICE

This report was written by the UCLA Voting Rights Project in partnership with the California Secretary of State.

About the UCLA VRP

The UCLA Voting Rights Project (UCLA VRP) is a nonpartisan, educational project housed within the Latino Policy and Politics Initiative (LPPI) at the University of California, Los Angeles. The UCLA VRP educates undergraduate, graduate, and professional degree students through our flagship voting rights clinic. The UCLA VRP works with experts and election officials across the country to ensure equitable access to voting.

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EXECUTIVE SUMMARY

Voting for the 2022 Primary Election began in May 2022 and concluded on June 7, 2022. California voters voted on races for the U.S. House of Representatives, the U.S. Senate, the California State Assembly, the California State Senate, the Governor of California, and various statewide and local offices.

This report provides a comprehensive analysis of voter registration and turnout across California and in the Voter's Choice Act (VCA) counties during the June 2022 Primary Election. The purpose of this analysis is to report patterns by voter characteristics for all California voters. We evaluated the statewide voter file by race and ethnicity, age, language, voting method, and status as an American Indian and Alaska Native (AIAN) voter.

Our analysis divides race into five categories: White, Latino, Black, Asian American and Pacific Islander (AAPI), and all 'Other.' These racial groups are similar to those used in the Census data and self-reported race in the voter files.¹ The major difference is that American Indian/Alaska Native and multi-racial individuals are included with 'other' due to their small population size in most VCA counties.

The following three paragraphs have been discussed in previous VCA counties election reports and remain valid for the 2022 Primary Election.

Throughout this report, we discuss the difference in turnout between racial/ethnic groups, commonly referred to as 'the racial turnout gap' by political science scholars.² The turnout gap is a long-documented phenomenon in voting and elections nationwide and in California. As a result of the history of exclusion and discrimination, significant differences in socioeconomic status, and lower rates of voter outreach by candidates, communities of color experience lower rates of registration and voting than white, non-Hispanics, a trend well-established for more than 50 years in California.³ This turnout gap is not unique to California and is not an outcome of the state's electoral system. States such as California are taking steps to make voting more accessible and equitable. Over time, voter participation is expected to increase for all Californians across race and ethnicity.

To ensure voter equity across racial/ethnic groups, increased efforts and investments by the state and county elections officials, as well as electoral campaigns, must be prioritized.⁴ Still, there will be times when voters might choose not to cast a ballot because they are not interested in the electoral process or do not feel closely aligned with any candidates. There is research that documents that states that are not closely contested

¹ U.S. Census Bureau, "About the Topic of Race," Census.gov, March 1, 2022, <https://www.census.gov/topics/population/race/about.html>.

² Fraga, Bernard L. *The turnout gap: Race, ethnicity, and political inequality in a diversifying America*. Cambridge University Press, 2018.

³ Rosenstone, Steven J., and John Mark Hansen. "Mobilization, participation, and democracy in America." (No Title) (1993).

⁴ Barreto, Matt A. "The cycle of undermobilization of minority voters." *Journal of Race, Ethnicity, and Politics* 3, no. 1 (2018): 185-188.

battleground states, such as California, often experience comparatively lower turnout because would-be voters correctly predict that the big statewide election contests will not be close.⁵

It is important to note that off-year elections or elections not occurring during a presidential or gubernatorial year are not necessarily accurate representations of the general patterns in voter participation. Turnout rates historically drop off between presidential and midterm elections, and we expect this effect to be amplified for primary elections where voter interest and awareness are often lower.⁶

Throughout this report, we provide aggregate summaries for statewide, non-VCA, VCA counties, and VCA counties excluding Los Angeles County. Statewide aggregated statistics include all fifty-eight California counties. Non-VCA counties' statistics refer to the thirty-one counties that had not adopted the VCA election model at the time of the 2022 Primary Election. Lastly, the VCA counties aggregated statistics include the twenty-seven counties that adopted the VCA election model at the time of the primary election. We also include estimates for VCA counties excluding Los Angeles County to be consistent with past reports.

Our findings are divided into the five major categories that this report follows structurally – 1) all voters by race and ethnicity, 2) Asian American and Pacific Islander (AAPI) voters by subethnic groups, 3) AIAN classified voters, 4) all voters by age categorization, and 5) all voters by primary language group. The major findings of this report are:

I. Voters by Race and Ethnicity

- i. California has a diverse electorate, with more than half of the state's registered voters collectively represented by communities of color such as Latino, AAPI, Black, and all 'other' non-white voters. There were approximately 21.9 million registered voters at the time of the 2022 Primary Election. Over 8.7 million, or approximately 39.7% of voters, were estimated to be white, and approximately 60.3%, or 13.2 million voters, were estimated to be from non-white, racial/ethnic minorities.**
 - Approximately 6.9 million, or 31.9%, were estimated to be Latino.
 - Approximately 3.6 million, or 16.8%, were estimated to be AAPI.
 - Approximately 1.3 million, or 6.2%, were estimated as all 'Other.'
 - Approximately 1.1 million, or 5.3%, were estimated to be Black.
- ii. Approximately 16.7 million, or 76.4%, of the statewide registered voters, were registered in VCA counties at the time of the 2022 Primary Election. Over 6.4 million, or 38.7% of voters, were estimated to be white and approximately 10.2 million, 61.3%, of registered voters in VCA counties are estimated to be from non-white, racial/ethnic minorities.**

⁵ Ramírez, Ricardo, Romelia Solano, and Bryan Wilcox-Archuleta. "Selective Recruitment or Voter Neglect? Race, Place, and Voter Mobilization in 2016." *Journal of Race, Ethnicity, and Politics* 3, no. 1 (2018): 156-184.

⁶ Drew DeSilver, "Voter Turnout Always Drops off for Midterm Elections, but Why?," Pew Research Center (Pew Research Center, May 30, 2020), <https://www.pewresearch.org/fact-tank/2014/07/24/voter-turnout-always-drops-off-for-midterm-elections-but-why/>.

- Among non-whites, Latinos were the largest racial/ethnic group, representing 5.3 million, or 32% of registered voters in VCA counties.
- The second largest ethnic group was estimated to be AAPI voters, with 3 million, or 18.1% of registered voters in VCA counties.
- Voters estimated to be 'Other' represented approximately 989 thousand, or 5.9% of registered voters in VCA counties.
- Voters estimated to be Black represented approximately 877 thousand, or 5.8% of registered voters in VCA counties.

iii. Over 95.1% of all voters in VCA counties recorded English as their primary language.

- Spanish-speakers represented the largest percentage of minority voters at approximately 3.02%.
- Chinese-speakers represented the second largest percentage of minority voters at approximately 0.63%.
- Vietnamese-speakers represented the third largest percentage of minority voters at approximately 0.62%.
- Korean-speakers represented the fourth largest percentage of minority voters at approximately 0.38%.
- Tagalog-speakers represented the fifth largest percentage of minority voters at approximately 0.08%.
- Voters who speak languages categorized as 'Other' represent the sixth largest percentage of minority voters at approximately 0.07%.
- Japanese-speakers represented the seventh largest percentage of minority voters at approximately 0.003%.
- Thai-speakers represented the eighth largest percentage of minority voters at approximately 0.02%.
- Hindi-speakers represented the ninth largest percentage of minority voters at approximately 0.017%.
- Khmer-speakers represented the tenth largest percentage of minority voters at approximately 0.01%.

iv. More than 7.2 million voters participated in the 2022 Primary Election in California. Unlike the distribution of the registered electorate, voters estimated to be white comprised more than half of the ballots cast statewide and in non-VCA and VCA counties.

- Voters estimated to be white represented approximately 3.8 million, or 53.5%, of statewide ballots cast.
- Voters estimated to be Latino represented approximately 1.4 million, or 20.5%, of statewide ballots cast.
- Voters estimated to be AAPI represented approximately 1.1 million, or 15.3%, of statewide ballots cast.
- Voters estimated to be 'Other' represented approximately 453 thousand, or 6.3%, statewide ballots cast.

- Voters estimated to be Black represented approximately 323 thousand, or 4.5%, of statewide ballots cast.
- v. **More than 5.5 million, or 76.5%, of statewide ballots came from voters in VCA counties and approximately 1.6 million, or 23.5%, of ballots came from non-VCA counties.**
- Voters estimated to be White represented approximately 2.8 million, or 52.3%, ballots cast in VCA counties compared to 975 thousand, or 57.5% in non-VCA counties.
 - Voters estimated to be Latino represented approximately 1.1 million, or 21%, ballots cast in VCA counties compared to 321 thousand, or 19%, ballots cast in non-VCA counties.
 - Voters estimated to be AAPI represented approximately 899 thousand, or 16.3%, ballots cast in VCA counties compared to 204 thousand, or 12.1%, ballots cast in non-VCA counties.
 - Voters estimated to be ‘Other’ represented approximately 328 thousand, or 5.9%, ballots cast in VCA counties compared to 124 thousand, or 7.3% in non-VCA counties.
 - Voters estimated to be Black represented approximately 252 thousand, or 4.6%, ballots cast in VCA counties compared to 70 thousand, or 4.2%, in non-VCA counties.
- vi. **Across the state, there was a 33.0% turnout rate during the 2022 Primary Election.** Voters estimated to be Latino had the lowest turnout rate of any group and routinely fell 10 points lower than collective averages.
- Voters estimated to be white had a turnout rate of 44.4%
 - Voters estimated to be all ‘Other’ had a turnout rate of 33.3%
 - Voters estimated to be AAPI had a turnout rate of 29.9%
 - Voters estimated to be Black had a turnout rate of 28.0%
 - Voters estimated to be Latino had a turnout rate of 21.2%
- vii. **In VCA counties, there was a turnout rate of 33.1% during the 2022 Primary Election compared to a 32.9% turnout rate in non-VCA counties.**
- Voters estimated to be white had a turnout rate of 44.7% in VCA counties compared to a turnout rate of 43.8% in non-VCA counties.
 - Voters estimated to be ‘Other’ had a turnout rate of 33.3% in VCA counties and non-VCA counties.
 - Voters estimated to be AAPI had a turnout rate of 29.6% in VCA counties compared to a turnout rate of 31.4% in non-VCA counties.
 - Voters estimated to be Black had a turnout rate of 28.8% in VCA counties compared to a turnout rate of 25.7% in non-VCA counties.
 - Voters estimated to be Latino had a turnout rate of 21.6% in VCA counties compared to a turnout rate of 19.7% in non-VCA counties.
- viii. **Across the state, the vast majority of voters utilized vote-by-mail to participate in the 2022 Primary Election.**
- Approximately 6.6 million, or 91.6%, of ballots were cast via Vote-By-Mail.
 - Approximately 474 thousand, or 6.5%, of ballots were cast via Vote Center.

- Approximately 128 thousand, or 1.8%, of ballots were cast via Polling Place.
- Approximately 11 thousand, or 0.1%, of ballots were cast via provisional CVR ballot.
- Approximately 1 thousand votes were cast via Nonprovisional CVR ballot.

ix. In VCA counties and non-VCA counties, the vast majority of voters also utilized vote-by-mail to participate in the 2022 Primary Election.

- Approximately 5 million, or 91.3%, ballots cast in VCA counties were cast via Vote-By-Mail compared to 1.5 million, or 92.4%, ballots cast in non-VCA counties.
- Approximately 471 thousand, or 8.5%, ballots cast in VCA counties were cast via Vote Center compared to 13, or 0.0%, ballots cast in non-VCA counties.
- Approximately 257, or 0.0%, ballots cast in VCA counties were cast via Polling Place compared to 126 thousand, or 7.5%, ballots cast in non-VCA counties.
- Approximately 8,309, or 0.2%, ballots cast in VCA counties were cast via provisional CVR ballot compared to 1,819, or 0.1%, ballots cast in non-VCA counties.
- Approximately 1 thousand, or 0.0%, ballots cast in VCA counties were cast via Nonprovisional CVR ballot compared to 105, or 0.0%, ballots in non-VCA counties.

II. AAPI Voters Subethnic Group

i. Chinese voters comprised the largest percentage of the 3.6 million registered AAPI voters statewide during the 2022 Primary Election.

- Chinese voters represented over 970 thousand, or 25.8%, statewide registered AAPI voters.
- Filipino voters represented 611 thousand, or 16.6%, statewide registered AAPI voters.
- All 'other' voters represented 588 thousand, or 15.9%, statewide registered AAPI voters.
- Indian voters represented 539 thousand, or 14.6%, statewide registered AAPI voters.
- Vietnamese voters represented 525 thousand, or 14.2%, statewide registered AAPI voters.
- Korean voters represented 293 thousand, or 7.9%, statewide registered AAPI voters.
- Japanese voters represented 163 thousand, or 4.4%, statewide registered AAPI voters.

ii. Chinese voters comprised the largest percentage of the 1.1 million ballots cast by AAPI voters statewide during the 2022 Primary Election.

- Approximately 304 thousand, or 27.6%, of the ballots came from Chinese voters.
- Approximately 198 thousand, or 18.0%, of the ballots came from all 'other' voters.
- Approximately 169 thousand, or 15.4%, of the ballots came from Filipino voters.
- Approximately 141 thousand, or 12.8%, of the ballots came from Vietnamese voters.
- Approximately 140 thousand, or 12.7%, of the ballots came from Indian voters.
- Approximately 80 thousand, or 7.3%, of the ballots came from Korean voters.
- Approximately 69 thousand, or 6.3%, of the ballots came from Japanese voters.

iii. There was significant variation in turnout across AAPI subethnic groups during the 2022 Primary Election.

- Most notably between Japanese voters, who had the highest turnout among subethnic AAPI groups, and Indian voters, who had the lowest turnout among subethnic groups.
 - Voters estimated to be Japanese had a turnout rate of 42.4%
 - Voters estimated to be Chinese had a turnout rate of 31.4%
 - Voters estimated as all ‘other’ had a turnout rate of 33.8%
 - Voters estimated to be Filipino had a turnout rate of 27.7%
 - Voters estimated to be Korean had a turnout rate of 27.5%
 - Voters estimated to be Vietnamese had a turnout rate of 26.9%
 - Voters estimated to be Indian had a turnout rate of 26.0%
- x. **The vast majority of AAPI voters utilized vote-by-mail to participate in the 2022 Primary Election.**
- Indian voters cast approximately 132 thousand, or 94.4%, of ballots via vote-by-mail.
 - Japanese voters cast approximately 65 thousand, or 94.2%, of ballots via vote-by-mail.
 - Chinese voters cast approximately 286 thousand, or 94.2%, of ballots via vote-by-mail.
 - Vietnamese voters cast approximately 133 thousand, or 94.1%, of ballots via vote-by-mail.
 - Filipino voters cast approximately 159 thousand, or 93.9%, of ballots via vote-by-mail.
 - Korean voters cast approximately 75 thousand, or 93.9%, of ballots via vote-by-mail.
 - ‘Other’ voters approximately cast 181 thousand, or 91.2%, of ballots via vote-by-mail.

III. **American Indian and Alaska Native (AIAN) Classified Voters**

- i. **AIAN-classified voters comprised 0.32% of the statewide registered electorate at the time of the 2022 Primary Election.⁷**
- Approximately 69 thousand, or 0.32%, statewide voters were classified as AIAN.
 - VCA counties accounted for 70.4% of the state’s AIAN-classified voters.
- ii. **AIAN-classified voters accounted for approximately 24 thousand, or 0.34%, of the statewide ballots cast during the 2022 Primary Election.**
- VCA counties accounted for 78.4% of the state’s AIAN ballots cast.
- iii. **During the 2022 Primary Election, AIAN-classified voters had a statewide turnout rate of 34.9% – higher than the statewide average of 33.0%.**
- In VCA counties, the AIAN turnout rate of 38.9% was 4% higher than the AIAN statewide turnout rate of 34.9%.
 - In non-VCA counties, the AIAN turnout rate of 25.5% was 9.4% lower than the AIAN statewide turnout rate of 34.9%.

⁷ According to 2022 1-year American Community Survey (ACS) estimates from the U.S. Census Bureau, California had approximately 504 thousand American Indian and Alaska Native individuals, which accounted for 1.3% of the state’s total population.

- iv. **Across the state, the vast majority of AIAN-classified voters utilized vote-by-mail to participate in the 2022 Primary Election.**
 - Approximately 22 thousand, or 93.1%, ballots were cast via vote-by-mail.
 - Approximately one thousand, or 4.1%, ballots were cast via vote center.
 - 591, or 2.4%, ballots were cast via polling place.
 - 42, or 0.1%, ballots were cast via provisional CVR ballot.
 - 5 ballots were cast via Nonprovisional CVR ballot.
- v. **In VCA counties, the vast majority of AIAN-classified voters also utilized vote-by-mail to participate in the 2022 Primary Election.**
 - Approximately 18 thousand, or 94.48%, ballots were cast via vote-by-mail in VCA counties compared to the approximately 4,665, or 88.89% ballots cast in non-VCA counties.
 - Approximately one thousand, or 5.33%, ballots were cast via vote center in VCA counties compared to 0, or 0.00%, ballots cast in non-VCA counties.
 - Approximately 0, or 0.00% ballots were cast in VCA counties via polling place compared to 591, or 11.22%, ballots cast via polling place in non-VCA counties.
 - Approximately 32, or 0.17%, ballots were cast via CVR ballot in VCA counties compared to the 10, or 0.19% ballots cast via CVR in non-VCA counties.
 - Approximately five, or 0.03%, ballots were cast via Nonprovisional CVR ballot in VCA counties compared to 0 nonprovisional CVR ballots cast in non-VCA counties.

IV. Voters by Age Categorization

- i. **Voters aged 30 to 49 made up the largest percentage of registered voters statewide during the 2022 Primary Election.**
 - Approximately 7.2 million, or 33.1%, voters were aged 30 to 49.
 - Approximately 5.2 million, or 23.9%, voters were aged 50 to 64.
 - Approximately 5.0 million, or 22.9%, voters were aged 65 and over.
 - Approximately 4.4 million, or 20.1%, voters were aged 18 to 29.
- ii. **Voters aged 65 and over accounted for the largest number of ballots cast during the 2022 Primary Election.**
 - Voters aged 18 to 29 represented approximately 636 thousand, or 8.8%, of statewide ballots cast.
 - Voters aged 30 to 49 represented approximately 1.6 million, or 23.0%, statewide ballots cast.
 - Voters aged 50 to 64 represented approximately 2.0 million, or 28.1%, of statewide ballots cast.
 - Voters aged 65 and over represented approximately 2.9 million, or 40.1%, of statewide ballots cast.
- iii. **Voters aged 65 and over had a turnout rate of 57.8% – the highest of any age group during the 2022 Primary Election.**
 - Voters aged 50 to 64 had a turnout rate of 38.8%.
 - Voters aged 30 to 49 had a turnout rate of 23.0%.

- Voters aged 18 to 29 had a turnout rate of 14.4%.
- iv. **In VCA counties, voter turnout rates increase as voters get older. Voters aged 65 and over accounted for largest voter turnout rates during the 2022 Primary Election.**
- Voters aged 18 to 29 had a turnout rate of 14.9% compared to a voter turnout rate of 12.9% in non-VCA counties.
 - Voters aged 30 to 49 had a turnout rate of 23.3% compared to a voter turnout rate of 21.9% in non-VCA counties.
 - Voters aged 50 to 64 had a turnout rate of 38.8% compared to a voter turnout rate of 38.9% in non-VCA counties.
 - Voters aged 65 and over had a turnout rate of 57.2% compared to a voter turnout rate of 59.6% in non-VCA counties.
- v. **Voters of all age groups widely preferred voting by mail to participate in the 2022 primary.**
- Voters aged 65 and over cast approximately 2.7 million, or 93.4%, ballots via vote-by-mail.
 - Voters aged 18 to 29 cast approximately 581 thousand, or 91.4%, ballots via vote-by-mail.
 - Voters aged 30 to 49 cast approximately 1.5 million, or 90.6%, ballots via vote-by-mail.
 - Voters aged 50 to 64 cast approximately 1.8 million, or 89.8%, ballots via vote-by-mail.

V. Voters by Language Categorization

- i. **Voters registered with an English language preference made up 95.1% of all VCA-registered voters in the 2022 Primary election.**
- Approximately 15.9 million, or 95.1% of VCA voters were registered in English.
 - Approximately 507 thousand, or 3.03% of VCA voters, were registered in Spanish.
 - Approximately 830 thousand, or 4.88% of VCA voters were registered in a language other than English.
- ii. **Of the 16.7 million registered voters in VCA counties, nearly 5.6 million, or 33.3%, were born abroad.**
- Among VCA voters born abroad, 4.8 million, or 86.6%, were registered to vote in English. Over 747 thousand, or 13.4%, were registered to vote in a language other than English.
 - Among VCA voters born in the United States, 11 million, or 99.4%, were registered to vote in English, while 72,588, or 0.65%, were registered to vote in a language other than English.
- iii. **In VCA counties, voters registered with a Vietnamese language preference had a turnout rate of 35.3% – the highest turnout of any language group.**
- VCA voters registered in English had a turnout rate of 33.4%
 - VCA voters registered in Spanish had a turnout rate of 21.4%
 - The language group with the lowest turnout was Khmer, with a turnout rate of 19.3%.

- iv. **VCA voters registered in both English and non-English languages preferred voting by mail to participate in the 2022 Primary Election.**
- Approximately 4.8 million, or 91.3% of VCA voters registered in English, voted by mail.
 - Approximately 188 thousand, or 92.0% of VCA voters, registered in a language other than English voted by mail.

VI. Voting by Mail

- i. **Of the 7.2 million ballots votes cast statewide, 6.6 million, or 91.6%, were cast as a mail ballot. Over 3.3 million, or 50.8%, of all mail ballots were returned via mail.**
- Voters estimated to be white cast approximately 1.8 million, or 51.0%, mail ballots via mail.
 - Voters estimated to be Black cast approximately 144 thousand, or 49.9%, mail ballots via mail.
 - Voters estimated to be Latino cast approximately 647 thousand, or 49.0%, mail ballots via mail.
 - Voters estimated to be AAPI cast approximately 556 thousand, or 53.8%, mail ballots via mail.
 - Voters estimated to be ‘Other’ cast approximately 200 thousand, or 48.6%, mail ballots via mail.

UNDERSTANDING VOTER TURNOUT GAPS

The following section discusses the existence of voter turnout gaps by race and ethnicity and provides the context for voter statistics to be analyzed. This section provides an academic literature review on the topic of voter turnout gaps and is included in all VCA counties reports.⁸

Scholars of American electoral politics have sought to understand the reasons that individuals participate in elections and why turnout gaps exist between electorates of different races. These political scientists ultimately find that political campaigns often categorize racial/ethnic minorities as low-propensity voters unlikely to determine election outcomes.⁹ Other research documents that many non-white voters feel disconnected from the political system and do not see politicians as responsive to their community needs, leading to lower turnout. Voters of color are frequently regarded as low-propensity voters due to various factors. For example, because of their relative youth and foreign-born status, many Latino and AAPI voting-eligible citizens enter the electorate as first-time voters that have not previously participated in an election.

The resulting consequence is that numerous individuals of color are on the voter rolls but with little-to-no vote history. As such, they are often overlooked by campaign outreach efforts.¹⁰ In other words, when campaigns plan outreach strategies, they often direct fewer resources to less reliable voters with low vote history scores. This begins the cycle of "under mobilization," in which voters of color are less likely to be targeted for get-out-the-vote campaigns, further depressing minority voting.¹¹ While election rules and structural changes also constrain or encourage voter turnout, there has been a well-documented differential turnout rate by racial groups for the entire political history of America. Still, political scientists recommend that election administrators do what they can to make voting more accessible to encourage increased turnout and equity across groups.

The persistent turnout gap¹² suggests that more than the removal of structural barriers may be required to eliminate the gap between the turnout of white voters and other groups. County election offices and candidates for office must increase outreach and contact with Black, Latino, and AAPI voters. If voters are not regularly contacted, they are less likely to vote. A Pew Research Center study found that during the 2020 Election, highly engaged voters reported they were frequently contacted by campaigns. Whereas some non-voters reported not receiving any campaign communication or only one type of communication.¹³ Furthermore, contact with minority voters must be culturally appropriate and incorporate more racially diverse contact from Black, Latino,

⁸ California Secretary of State. California Voter's Choice Act: Utilizing Bayesian Improved Surname Geocoding (BISG) on the 2021 Recall Election Voter File. <https://www.sos.ca.gov/voters-choice-act/vca-election-reports>.

⁹ Fraga, Bernard L. *The turnout gap: Race, ethnicity, and political inequality in a diversifying America*. Cambridge University Press, 2018.

¹⁰ Ibid.

¹¹ Barreto, Matt A. "The cycle of undermobilization of minority voters." *Journal of Race, Ethnicity, and Politics* 3, no. 1 (2018): 185-188.

¹² U.S. Census Bureau. "Voting Rates by Race and Hispanic Origin." [Census.gov](https://www.census.gov/library/visualizations/2017/comm/voting-rates-race-hispanic.html), October 8, 2021. <https://www.census.gov/library/visualizations/2017/comm/voting-rates-race-hispanic.html>.

¹³ Andrew Daniller and Hannah Gilberstadt, "Key findings about voter engagement in the 2020 election." Pew Research Center (Pew Research Center, December 14, 2020), <https://www.pewresearch.org/fact-tank/2020/12/14/key-findings-about-voter-engagement-in-the-2020-election/>

and AAPI staff to ensure this outcome. All voters are more likely to be persuaded by outreach that comes from other community members or people they can relate to, and it helps generate a sense of inclusion, especially for historically excluded communities.

Whatever changes are implemented to the administration of California elections, including the widespread adoption of California's Voter's Choice Act (VCA), habitual voters and those voters most targeted by campaigns are likely to stay up-to-date and continue casting their ballots. By contrast, first-time and low-propensity voters are sometimes deterred by the complex and changing electoral process. Tufts University's Center for Information & Research on Civic Learning and Engagement released a poll showing that young people need timely and relevant access to voting information or may not vote.¹⁴ Even if changes are meant to encourage participation, documented research shows that voters with low awareness of political news may not understand the changes and may need more time and outreach to vote at higher rates.

¹⁴ Center for Information & Research on Civic Learning and Engagement. (2020). *Poll: Young People Believe they Can Lead Change in Unprecedented Election Cycle*. Accessed February 13, 2023.

<https://circle.tufts.edu/latest-research/poll-young-people-believe-they-can-lead-change-unprecedented-election-cycle>

INTRODUCTION

This report, commissioned by the California Secretary of State's office pursuant to California Elections Code, provides a comprehensive overview of voting in California Voter's Choice Act (VCA) counties during the 2022 Primary Election. California Elections Code Section 4005(g)(1)(A) states that, within six months of each election, the Secretary of State will report voter statistics¹⁵ across race, ethnicity, language preference, age, gender, disability, permanent vote-by-mail status, historical polling place voters, political party affiliation, and language minorities.

Signed into law in 2016, the California Voter's Choice Act (VCA) ushered in an election model used by twenty-seven counties during the 2022 Primary Election: Alameda; Amador; Butte; Calaveras; El Dorado; Fresno; Kings; Los Angeles; Madera; Marin; Mariposa; Merced; Napa; Nevada; Orange; Riverside; Sacramento; San Benito; San Diego; San Mateo; Santa Clara; Santa Cruz; Sonoma; Stanislaus; Tuolumne; Ventura; and Yolo. Designed to provide greater flexibility and convenience for voters, this new election model allows voters to choose how, when, and where to cast their ballot. This election model expanded early voting opportunities and methods for voters to return their ballots.

Under the VCA, each voter is mailed a ballot which they can then return by mail, to a secure drop box, or at a vote center. Voters may also cast a ballot at any vote center within their county or through other expanded in-person early voting options.

Pursuant to Proposition 14, passed in 2010, California uses a nonpartisan blanket primary for its races.¹⁶ All candidates for voter-nominated offices are listed on one ballot, and only the top two vote-getters in the primary election – regardless of party preference - move on to the general election. Prior to the Top Two Candidates Open Primary Act, the top vote-getter from each qualified political party, as well as any write-in candidate who received a certain percentage of votes, moved on to the general election. The Top Two Candidates Open Primary Act does not apply to candidates running for U.S. President, county central committee, or local office. Write-in candidates for voter-nominated offices can only run in the primary election. A write-in candidate will only move on to the general election if the candidate is one of the top two vote-getters in the primary election.

Consistent with past publications¹⁷, this report evaluates voter registration and participation across essential characteristics to assess standards of equity in the primary election held by VCA counties. The purpose of this analysis is to determine shortcomings in voter engagement and identify opportunities for targeted voter mobilization for future elections.

¹⁵ To the extent possible, the California Secretary of State is required to report: voter turnout, voter registration, ballot rejection rates, reasons for ballot rejection, provisional ballot use, accessible vote-by-mail ballot use, the number of votes cast at each vote center, the number of ballots returned at ballot drop off locations, the number of ballots returned by mail, the number of persons who registered to vote at a vote center, instances of voter fraud, and any other problems that became known to the county elections official or the Secretary of State during the election or canvass.

¹⁶ "Primary Elections in California," Primary Elections in California :: California Secretary of State, <https://www.sos.ca.gov/elections/primary-elections-california>.

¹⁷ California Secretary of State. California Voter's Choice Act: Utilizing Bayesian Improved Surname Geocoding (BISG) on the 2021 Recall Election Voter File. <https://www.sos.ca.gov/voters-choice-act/vca-election-reports>.

METHODOLOGY

The purpose of this report is to provide a detailed analysis of voter registration and turnout rates for the 2022 Primary Election in California's twenty-seven Voter's Choice Act (VCA) counties. No state requirement exists to self-report race or ethnicity when registering to vote. As a result, the state's centralized voter registration database, VoteCal, does not capture comprehensive data on voters' racial and ethnic backgrounds. At the time of the 2022 Primary Election, approximately 6.9 million, or 25.9%, of the 21.9 million registered voters self-reported their race and ethnicity. To provide a more accurate understanding of the electorate in California, we utilized Bayesian Improved Surname Geocoding (BISG) to improve report estimates on California voters that do not self-report race and ethnicity.

Bayesian Improved Surname Geocoding (BISG)

BISG was developed by demographic experts and has been widely published and applied in the domain of public health.¹⁸ Our BISG models are compared to self-reported race data included in the voter file to assess predictive accuracies and further improve techniques. The method relies on a combination of census surname analysis and census block-level racial demographics to provide an overall probability assessment of the voter's race or ethnicity.¹⁹ Demographers and social scientists already utilize both of these methods separately; matching census data to geographic units is widely used for understanding racial demographics and density of an area²⁰, and surname analysis is regularly used against the voter file to understand race and ethnicity.²¹ Using both data sources makes it possible to gain a more precise understanding of voter demographics—two pieces of evidence, instead of just one, provides far more reliable estimates.²²

BISG analysis begins by undertaking the surname analysis. Surname analysis in BISG starts by taking each last name in the voter file and checking it against the published directories created by the Census Bureau.²³ This list, assembled based on research by demographers at the Census Bureau, has created a racial/ethnic probability for each last name in the United States based on the official census records.²⁴ When a person fills out the census, they record their last name and their self-reported race and ethnicity.²⁵ The resulting probability estimate for

¹⁸ Fiscella, Kevin, and Allen M. Fremont. "Use of geocoding and surname analysis to estimate race and ethnicity." *Health services research* 41, no. 4p1 (2006): 1482-1500.

¹⁹ Imai, Kosuke, and Kabir Khanna. "Improving ecological inference by predicting individual ethnicity from voter registration records." *Political Analysis* 24, no. 2 (2016): 263-272.

²⁰ Jorge Chapa, Ana Henderson, Aggie Jooyoon Noah, Werner Schinkiv, & Robert Kengle, The Chief Justice Earl Warren Institute on Law and Social Policy, *Redistricting: Estimating Citizen Voting Age Population* (2011)

²¹ Grofman, Bernard, and Jennifer R. Garcia. "Using Spanish Surname to Estimate Hispanic Voting Population in Voting Rights Litigation: A Model of Context Effects Using Bayes' Theorem." *Election Law Journal* 13, no. 3 (2014): 375-393.

²² Barreto, Matt, Michael Cohen, Loren Collingwood, Chad Dunn, and Sonni Waknin. "A novel method for showing racially polarized voting: Bayesian improved surname geocoding." *New York University Review of Law & Social Change* (2021).

²³ Elliott, Marc N., Allen Fremont, Peter A. Morrison, Philip Pantoja, and Nicole Lurie. "A new method for estimating race/ethnicity and associated disparities where administrative records lack self reported race/ethnicity." *Health services research* 43, no. 5p1 (2008): 1722-1736.

²⁴ "Decennial Census Surname Files (2010, 2000)." Perma.cc. Accessed September 19, 2022. <https://perma.cc/9JLV-7NQJ>.

²⁵ Ibid.

each name can then be cross-referenced with the voter file. So, a surname database can assign a probability for nearly every last name found on a voter file.

The second step of BISG relies on the address of the voter from the publicly available voter file.²⁶ Using a procedure known as geocoding, this address information can be cross-referenced with the data from the decennial census at the block level.²⁷ The census data contains the self-reported race of residents, aggregated to the census block level. Using census statistics for the racial and ethnic composition for the block in which a voter resides, the block's racial demographic percentages can be used to refine the initial estimate of voter race by surname alone.²⁸ By using a smaller level of aggregation (i.e., census block), researchers have more precision in their racial estimates.²⁹

BISG uses the two proxy sources of voter race information—a voter's name and where they live—to generate an estimate of their race. By employing the Who Are You (WRU) R package in RStudio to estimate the probability that a voter is of a certain race, a more detailed analysis can be inferred from the combination of surname and geolocation data—as opposed to using just one or the other.^{30 31}

Asian American and Pacific Islander (AAPI) Subethnic Modeling

In addition to utilizing BISG to improve voter race and ethnicity estimates, we used AAPI subethnic modeling to report detailed estimates for Chinese, Filipino, Indian, Japanese, Korean, Vietnamese, and 'Other' AAPI subethnicities. Other AAPI subethnicities can include Hmong, Cambodian, Pakistani, Laotian, Thai, and others.

AAPI subethnic modeling begins by sorting out registered voters that self-report as AAPI and non-self-reporting voters whose highest racial/ethnic predicted probability was AAPI. We then check the birthplace of these voters to determine if they were born in an Asian country. Voters born internationally are given indicators based on their Asian country of origin.

The remaining AAPI voters' surnames are matched to a modified AAPI surname list.³² Any voters who do not match the Chinese, Filipino, Indian, Japanese, Korean, and Vietnamese surname list are given predicted subethnic probabilities that match the demographic makeup of the census tract that they live in.

²⁶ Amos, Brian, and Michael P. McDonald. "A Method to Audit the Assignment of Registered Voters to Districts and Precincts." *Political Analysis* 28, no. 3 (2020): 356-371.

²⁷ Ibid.

²⁸ Barreto, Matt, Michael Cohen, Loren Collingwood, Chad Dunn, and Sonni Waknin. "A novel method for showing racially polarized voting: Bayesian improved surname geocoding." *New York University Review of Law & Social Change*, Forthcoming (2021).

²⁹ Ibid.

³⁰ Khanna, Kabir, Kosuke Imai, and Maintainer Kabir Khanna. "Package 'wru'." (2019). The WRU package uses Bayes' Rule to compute the probability of each racial category for any given person.

³¹ RStudio is an integrated development environment for R, a programming language for statistical computing and graphics. R packages contain code, data, and documentation in a standardized collection format.

³² *Lauderdale DS, Kestenbaum B. Asian American ethnic identification by surname. Population Research and Policy Review. 2000;19:283-300.*

American Indian and Alaska Native (AIAN) Classification

This report also describes voter participation for AIAN voters. To report these estimates, we assign an indicator for voters that self-report as American Indian and Alaska Native. Next, we conduct a spatial overlay of voters' geolocation and American Indian tribal boundaries in California. If voters are geolocated as living on an American Indian reservation, they are given an indicator to classify them as AIAN. Using a simple Pearson correlation test, we determined that voters that self-report as AIAN and live within AIAN tribal boundaries are significantly correlated with a correlation coefficient of .889 (i.e., 88.9%).

Data Sources

VoteCal Data: This report utilizes voter data from VoteCal, California's single uniform, centralized voter registration database. This data includes information about voter registration, voter participation method, voter participation, and identifying voter characteristics.

2020 Decennial Census P.L. 94-171 Redistricting Data: We use 2020 Census data which contains the joint distribution of individual characteristics, including age, gender, and race, at the levels of various geographical units. The summary file contains raw counts of individuals, which we aggregate by various geographical units, including county, tract, block group, and block levels.

2010 Census Surname List: The Census Bureau provides data on the racial distribution of surnames in the United States. In 2016, the Census Bureau released the percent of individuals who are white, Black, Latino, AAPI, and so on for each surname occurring at least 100 times in the 2010 Census. We supplement this list with Census's Spanish Surname List, which contains the most common Latino surnames expanded from the 2010 Census Surname List.

Asian American Subethnic Surname List: Using a modified surname list, we provide a model for identifying Asian American voters by major subethnic groups. The derivation of the lists is from academic literature on the topic, most prominently described in *Lauderdale DS, Kestenbaum B. Asian American ethnic identification by surname. Population Research and Policy Review. 2000;19:283-300.*

2020 Census Bureau American Indian/Alaska Native/Native Hawaiian (AIANNH) Areas: In order to provide further analysis of voting patterns of Indigenous Americans, we used a spatial overlay technique that cross-referenced voter addresses with the U.S. Census Bureau TIGER/Line Shapefile, 2020, Nation, U.S., American Indian/Alaska Native/Native Hawaiian (AIANNH) Areas.

Additional Notes

Our analysis divides race into five categories: White, Black, Latino, AAPI, and Other. These racial groups are similar to those used in the Census data and self-reported race in the voter files. The major difference is that

American Indian/Alaska Native and multi-racial individuals are included with Other. The groups categorized in Other jointly constitute less than 6.5% of records in the California voter file.

VOTER CHARACTERISTICS AND PATTERNS

Introduction

This section examines voter registration and participation across all California counties combined (statewide), non-Voter’s Choice Act counties, and Voter’s Choice Act counties. Our analysis is divided into five categories – 1) all voters by race and ethnicity, 2) AAPI voters by subethnicity, 3) AIAN-classified voters, 4) all voters by age categorization, and 5) voters by primary language group. For these categories, we provide insight into the following:

- Number of registered voters
- Number of ballots cast
- Turnout rate
- Methods of participation

All BISG, AAPI subethnic, and AIAN estimates for registered voters were applied to the 2022 California Primary Election voter file extracted on January 3, 2023. Exact registration figures and estimates from the 2022 Primary Election are subject to change since the California voter file is constantly maintained as voters move and become deceased. Regardless of minor changes in the raw number of registered voters, all percent estimates should be correct within a tenth of a decimal point.

In the paragraphs for the subject tables below, we present findings for ‘*statewide*,’ which is all fifty-eight California counties aggregated; ‘*non-VCA*,’ which includes the thirty-one California counties that have not adopted the VCA voter model; and ‘*VCA (including Los Angeles)*,’ which represented the aggregated estimates across all twenty-seven VCA counties. We also include ‘*VCA (excluding Los Angeles)*,’ which includes the aggregated VCA totals that exclude Los Angeles County since it represents over 26% of the VCA registered voter count and can slightly skew observations.

Voters by Race and Ethnicity

Using self-reported data and BISG modeling, we analyzed the California electorate by race and ethnicity. We provide data on each of the fifty-eight California counties and group counties into categories of 'statewide,' non-VCA, VCA (including Los Angeles), and VCA (excluding Los Angeles).

As shown in Table 1 below, there were approximately 21.9 million registered voters during the 2022 Primary Election. Nearly 8.7 million, or 39.7%, of all California voters were estimated to be white. The second largest estimated group was Latinos, representing over 6.9 million, or 31.9%, of California's registered electorate. AAPI voters are estimated to be the third largest demographic in the state's registered electorate, making up nearly 3.6 million, or 16.8%. Voters estimated to be Black comprised 1.1 million, or 5.3%, of the state's registered voters. 'Other' voters, which include individuals estimated to be AIAN or multi-racial, were nearly 1.3 million, or 6.2%, of all registered voters.

Table 1 also shows that over 5.1 million registered voters lived in the thirty-one counties that have not adopted the VCA voting model, referred to below as non-VCA. Across the non-VCA counties, more than 2.2 million, or 43.1%, of voters were estimated to be white. Voters estimated to be Latino represented nearly 1.6 million, or 31.7%, of the non-VCA registered electorate. The third largest estimated demographic group was AAPI voters, who comprised over 651 thousand, or 12.6%, of non-VCA registered voters. Voters estimated to be Black were 274 thousand, or 5.3%, of the non-VCA electorate. All 'other' voters comprised the final 372 thousand, or 7.2% of non-VCA registered voters.

VCA counties' totals are shown in Table 1 below. As of the 2022 Primary Election, there were nearly 16.7 million registered voters in VCA counties. The registered electorate in VCA counties was primarily comprised of voters estimated to be white, who made up over 6.4 million, or 38.7%. The second largest demographic in VCA counties were voters estimated to be Latino, with more than 5.3 million voters, or 32.0% of the electorate. Voters estimated as AAPI comprised over 3.0 million, or 18.1%, of all VCA registered voters. Black voters were estimated to comprise over 877 thousand, or 5.2%, of VCA registered voters. All 'other' voters accounted for the remaining 989 thousand, or 5.9%, of registered voters in VCA counties.

Table 1: Registered Voters by Race and Ethnicity³³

Jurisdiction	Total	White		Latino		AAPI		Black		Other	
Statewide	21,902,922	8,703,339	39.7%	6,995,224	31.9%	3,690,502	16.8%	1,151,871	5.3%	1,361,986	6.2%
Non-VCA	5,159,996	2,224,917	43.1%	1,635,385	31.7%	651,872	12.6%	274,864	5.3%	372,958	7.2%
VCA (Including Los Angeles)	16,742,926	6,478,422	38.7%	5,359,839	32.0%	3,038,629	18.1%	877,007	5.2%	989,028	5.9%

³³ VCA counties listed in each table have an asterisk* next to them.

Jurisdiction	Total	White		Latino		AAPI		Black		Other	
VCA (Excluding Los Angeles)	11,135,051	4,884,101	43.9%	3,032,894	27.2%	2,163,024	19.4%	430,816	3.9%	624,217	5.6%
Alameda*	933,608	292,687	31.4%	147,300	15.8%	345,502	37.0%	90,753	9.7%	57,366	6.1%
Alpine	929	539	58.0%	31	3.3%	2	0.2%	7	0.8%	350	37.7%
Amador*	26,255	21,805	83.0%	2,242	8.5%	248	0.9%	157	0.6%	1,803	6.9%
Butte*	123,401	91,325	74.0%	15,563	12.6%	5,400	4.4%	1,814	1.5%	9,299	7.5%
Calaveras*	31,909	25,196	79.0%	2,839	8.9%	497	1.6%	229	0.7%	3,148	9.9%
Colusa	10,064	4,433	44.0%	4,976	49.4%	128	1.3%	75	0.7%	453	4.5%
Contra Costa	704,417	295,360	41.9%	128,968	18.3%	136,572	19.4%	54,859	7.8%	88,658	12.6%
Del Norte	15,213	10,370	68.2%	1,709	11.2%	348	2.3%	82	0.5%	2,704	17.8%
El Dorado*	137,591	108,244	78.7%	12,721	9.2%	6,322	4.6%	963	0.7%	9,340	6.8%
Fresno*	497,894	164,255	33.0%	232,586	46.7%	56,065	11.3%	21,525	4.3%	23,464	4.7%
Glenn	14,333	8,170	57.0%	4,829	33.7%	244	1.7%	68	0.5%	1,022	7.1%
Humboldt	85,527	64,534	75.5%	7,953	9.3%	1,732	2.0%	975	1.1%	10,332	12.1%
Imperial	86,842	7,841	9.0%	72,573	83.6%	895	1.0%	677	0.8%	4,857	5.6%
Inyo	10,824	7,649	70.7%	1,646	15.2%	157	1.5%	37	0.3%	1,334	12.3%
Kern	435,652	171,029	39.3%	201,477	46.2%	20,894	4.8%	21,033	4.8%	21,219	4.9%
Kings*	61,330	20,524	33.5%	32,065	52.3%	2,105	3.4%	2,260	3.7%	4,376	7.1%
Lake	37,280	26,984	72.4%	5,964	16.0%	444	1.2%	579	1.6%	3,310	8.9%
Lassen	15,218	11,939	78.5%	1,574	10.3%	165	1.1%	151	1.0%	1,389	9.1%
Los Angeles*	5,607,875	1,594,321	28.4%	2,326,945	41.5%	875,606	15.6%	446,191	8.0%	364,812	6.5%
Madera*	71,617	30,424	42.5%	34,138	47.7%	1,960	2.7%	1,208	1.7%	3,886	5.4%
Marin*	169,835	128,443	75.6%	17,812	10.5%	11,211	6.6%	2,668	1.6%	9,701	5.7%
Mariposa*	11,624	9,252	79.6%	1,062	9.1%	136	1.2%	66	0.6%	1,108	9.5%
Mendocino	53,289	37,836	71.0%	9,322	17.5%	816	1.5%	332	0.6%	4,983	9.4%
Merced*	123,522	35,851	29.0%	68,977	55.8%	9,848	8.0%	3,562	2.9%	5,284	4.3%
Modoc	5,191	4,204	81.0%	482	9.3%	41	0.8%	33	0.6%	432	8.3%
Mono	7,890	6,001	76.1%	1,245	15.8%	131	1.7%	42	0.5%	471	6.0%
Monterey	208,029	77,170	37.1%	103,101	49.6%	13,537	6.5%	3,855	1.9%	10,365	5.0%
Napa*	83,603	48,025	57.4%	23,137	27.7%	6,652	8.0%	1,424	1.7%	4,364	5.2%
Nevada*	75,024	64,378	85.8%	4,752	6.3%	809	1.1%	250	0.3%	4,836	6.4%
Orange*	1,811,282	762,080	42.1%	442,024	24.4%	502,506	27.7%	23,645	1.3%	81,027	4.5%
Placer	276,210	196,051	71.0%	29,772	10.8%	28,616	10.4%	4,066	1.5%	17,705	6.4%
Plumas	13,782	11,779	85.5%	822	6.0%	108	0.8%	80	0.6%	992	7.2%
Riverside*	1,305,452	501,667	38.4%	568,444	43.5%	90,570	6.9%	81,498	6.2%	63,273	4.8%
Sacramento*	863,351	401,699	46.5%	158,225	18.3%	162,653	18.8%	77,584	9.0%	63,189	7.3%
San Benito*	37,175	13,073	35.2%	20,662	55.6%	1,449	3.9%	305	0.8%	1,685	4.5%

Jurisdiction	Total	White		Latino		AAPI		Black		Other	
San Bernardino	1,137,648	341,219	30.0%	550,053	48.4%	96,174	8.5%	91,523	8.0%	58,680	5.2%
San Diego*	1,922,582	934,651	48.6%	552,449	28.7%	244,643	12.7%	75,954	4.0%	114,885	6.0%
San Francisco	493,497	192,510	39.0%	54,043	11.0%	199,698	40.5%	22,821	4.6%	24,425	4.9%
San Joaquin	382,803	121,578	31.8%	127,209	33.2%	68,721	18.0%	26,859	7.0%	38,435	10.0%
San Luis Obispo	181,654	132,162	72.8%	31,135	17.1%	5,231	2.9%	1,485	0.8%	11,641	6.4%
San Mateo*	433,091	174,277	40.2%	79,060	18.3%	151,239	34.9%	5,187	1.2%	23,327	5.4%
Santa Barbara	235,313	123,722	52.6%	83,430	35.5%	12,338	5.2%	3,144	1.3%	12,679	5.4%
Santa Clara*	1,001,970	283,877	28.3%	183,140	18.3%	472,782	47.2%	16,581	1.7%	45,591	4.6%
Santa Cruz*	167,808	109,812	65.4%	40,007	23.8%	6,613	3.9%	1,395	0.8%	9,981	5.9%
Shasta	112,035	90,948	81.2%	7,851	7.0%	2,641	2.4%	1,047	0.9%	9,548	8.5%
Sierra	2,229	1,876	84.2%	179	8.0%	5	0.2%	7	0.3%	162	7.2%
Siskiyou	28,838	22,432	77.8%	2,020	7.0%	637	2.2%	294	1.0%	3,456	12.0%
Solano	260,174	103,181	39.7%	56,003	21.5%	41,861	16.1%	35,660	13.7%	23,469	9.0%
Sonoma*	303,740	202,189	66.6%	52,796	17.4%	12,432	4.1%	4,003	1.3%	32,320	10.6%
Stanislaus*	280,702	115,202	41.0%	125,805	44.8%	18,143	6.5%	7,117	2.5%	14,434	5.1%
Sutter	52,315	25,099	48.0%	12,522	23.9%	10,191	19.5%	877	1.7%	3,626	6.9%
Tehama	37,785	27,383	72.5%	6,872	18.2%	367	1.0%	213	0.6%	2,950	7.8%
Trinity	7,413	6,109	82.4%	260	3.5%	265	3.6%	30	0.4%	749	10.1%
Tulare	207,033	70,928	34.3%	118,201	57.1%	6,266	3.0%	2,573	1.2%	9,066	4.4%
Tuolumne*	35,137	29,017	82.6%	2,919	8.3%	353	1.0%	129	0.4%	2,718	7.7%
Ventura*	506,468	257,421	50.8%	178,039	35.2%	38,047	7.5%	7,569	1.5%	25,392	5.0%
Yolo*	119,080	58,728	49.3%	34,126	28.7%	14,838	12.5%	2,970	2.5%	8,418	7.1%
Yuba	40,569	23,880	58.9%	9,163	22.6%	2,648	6.5%	1,381	3.4%	3,496	8.6%

Table 2 below shows that over 7.2 million voters across California participated in the 2022 Primary Election. Of those that cast a ballot, more than 3.8 million, or 54%, were estimated to be white. Voters estimated to be Latino accounted for nearly 1.4 million, or 20%, of the ballots cast statewide. AAPI estimated voters made up 1.1 million, or 5.3%, of the ballots cast in the primary election. Voters estimated to be Black comprised 322 thousand, or 4.5%, of all participating voters. All ‘other’ voters made up the remaining 453 thousand, or 6.0%, of ballots cast statewide.

Table 2 below shows that nearly 1.69 million voters across non-VCA counties cast a ballot in the 2022 Primary Election. The largest demographic group in non-VCA counties is estimated to be white voters, who made up 975 thousand, or 57.5%, of participating voters. Voters estimated to be Latino made up 321 thousand, or 19.0%, of the ballots cast in non-VCA counties. AAPI estimated voters accounted for 204 thousand, or 12.1%, of the non-VCA ballots cast. In non-VCA counties, 70 thousand, or 4.2%, ballots were cast by voters estimated to be Black. All ‘other’ voters made up the final 124 thousand or 7.3% of ballots cast in non-VCA counties.

VCA counties' ballot totals are shown in Table 2 below. In the 2022 Primary Election, over 5.5 million ballots were cast in VCA counties. Participating voters in VCA counties were primarily comprised of voters estimated to be white, who accounted for nearly 2.8 million, or 52.3%, of ballots cast. The next largest demographic in VCA counties were voters estimated to be Latino, with nearly 1.1 million voters, or 21.0% of the ballots cast. Voters estimated as AAPI made up 899 thousand, or 16.3%, of all VCA participating voters. Black voters were estimated to make up 252 thousand, or 4.6%, of VCA ballots cast. All ‘other’ voters accounted for the remaining 328 thousand, or 5.9%, of ballots cast in VCA counties.

Table 2: Ballots Cast by Race and Ethnicity

Jurisdiction	Total	White		Latino		AAPI		Black		Other	
Statewide	7,229,691	3,868,194	53.5%	1,481,609	20.5%	1,103,791	15.3%	322,882	4.5%	453,215	6.3%
Non-VCA	1,696,149	975,233	57.5%	321,536	19.0%	204,414	12.1%	70,615	4.2%	124,351	7.3%
VCA (Including Los Angeles)	5,533,542	2,892,961	52.3%	1,160,073	21.0%	899,376	16.3%	252,267	4.6%	328,864	5.9%
VCA (Excluding Los Angeles)	3,927,891	2,224,289	56.6%	688,949	17.5%	656,832	16.7%	127,048	3.2%	230,773	5.9%
Alameda*	305,149	129,820	42.5%	34,233	11.2%	95,498	31.3%	25,498	8.4%	20,100	6.6%
Alpine	554	351	63.4%	15	2.6%	1	0.2%	2	0.4%	185	33.3%
Amador*	14,897	12,690	85.2%	1,056	7.1%	131	0.9%	80	0.5%	939	6.3%
Butte*	48,213	39,313	81.5%	3,708	7.7%	1,287	2.7%	529	1.1%	3,376	7.0%
Calaveras*	15,441	12,627	81.8%	1,045	6.8%	221	1.4%	99	0.6%	1,450	9.4%
Colusa	3,589	2,272	63.3%	1,068	29.8%	40	1.1%	29	0.8%	179	5.0%
Contra Costa	246,185	131,504	53.4%	30,569	12.4%	39,132	15.9%	15,168	6.2%	29,812	12.1%
Del Norte	5,946	4,377	73.6%	455	7.7%	88	1.5%	27	0.4%	1,000	16.8%
El Dorado*	62,211	51,385	82.6%	4,326	7.0%	2,146	3.4%	404	0.6%	3,950	6.3%
Fresno*	135,026	66,706	49.4%	44,386	32.9%	11,773	8.7%	4,929	3.7%	7,233	5.4%
Glenn	6,012	4,218	70.2%	1,293	21.5%	56	0.9%	33	0.5%	412	6.9%
Humboldt	34,756	28,005	80.6%	2,324	6.7%	481	1.4%	310	0.9%	3,636	10.5%
Imperial	19,394	3,534	18.2%	14,437	74.4%	224	1.2%	226	1.2%	973	5.0%
Inyo	5,765	4,440	77.0%	628	10.9%	66	1.1%	18	0.3%	613	10.6%
Kern	112,652	64,401	57.2%	32,460	28.8%	4,908	4.4%	4,644	4.1%	6,239	5.5%
Kings*	17,605	8,552	48.6%	6,675	37.9%	553	3.1%	591	3.4%	1,235	7.0%
Lake	13,458	10,629	79.0%	1,447	10.8%	148	1.1%	180	1.3%	1,054	7.8%
Lassen	6,585	5,390	81.8%	533	8.1%	46	0.7%	56	0.8%	562	8.5%
Los Angeles*	1,605,651	668,671	41.6%	471,124	29.3%	242,544	15.1%	125,219	7.8%	98,092	6.1%
Madera*	24,663	14,709	59.6%	7,447	30.2%	541	2.2%	414	1.7%	1,551	6.3%
Marin*	83,943	67,145	80.0%	6,636	7.9%	4,623	5.5%	971	1.2%	4,569	5.4%
Mariposa*	6,239	5,126	82.2%	448	7.2%	61	1.0%	34	0.5%	570	9.1%

Mendocino	22,203	17,441	78.6%	2,522	11.4%	261	1.2%	128	0.6%	1,852	8.3%
Merced*	31,655	14,409	45.5%	12,695	40.1%	2,015	6.4%	961	3.0%	1,575	5.0%
Modoc	2,485	2,117	85.2%	151	6.1%	20	0.8%	15	0.6%	182	7.3%
Mono	3,270	2,689	82.2%	319	9.8%	54	1.7%	19	0.6%	188	5.8%
Monterey	64,455	36,467	56.6%	18,797	29.2%	4,082	6.3%	1,301	2.0%	3,807	5.9%
Napa*	36,262	25,186	69.5%	6,705	18.5%	2,003	5.5%	503	1.4%	1,866	5.1%
Nevada*	37,482	32,934	87.9%	1,889	5.0%	359	1.0%	111	0.3%	2,188	5.8%
Orange*	633,059	338,308	53.4%	99,317	15.7%	158,149	25.0%	7,707	1.2%	29,578	4.7%
Placer	127,616	98,025	76.8%	10,668	8.4%	9,651	7.6%	1,640	1.3%	7,632	6.0%
Plumas	7,168	6,295	87.8%	334	4.7%	44	0.6%	33	0.5%	462	6.5%
Riverside*	372,409	205,190	55.1%	104,728	28.1%	22,343	6.0%	21,777	5.8%	18,370	4.9%
Sacramento*	334,883	188,261	56.2%	46,793	14.0%	50,417	15.1%	25,046	7.5%	24,366	7.3%
San Benito*	12,472	5,903	47.3%	5,398	43.3%	439	3.5%	116	0.9%	617	4.9%
San Bernardino	255,799	115,039	45.0%	86,738	33.9%	20,423	8.0%	19,781	7.7%	13,819	5.4%
San Diego*	667,576	408,838	61.2%	125,526	18.8%	70,815	10.6%	22,239	3.3%	40,159	6.0%
San Francisco	226,952	102,145	45.0%	19,434	8.6%	86,998	38.3%	7,125	3.1%	11,250	5.0%
San Joaquin	107,141	49,027	45.8%	25,200	23.5%	15,134	14.1%	6,405	6.0%	11,375	10.6%
San Luis Obispo	87,747	69,437	79.1%	10,297	11.7%	2,071	2.4%	620	0.7%	5,323	6.1%
San Mateo*	165,509	83,590	50.5%	21,251	12.8%	49,756	30.1%	1,786	1.1%	9,126	5.5%
Santa Barbara	93,146	61,989	66.5%	20,833	22.4%	4,029	4.3%	1,207	1.3%	5,088	5.5%
Santa Clara*	356,433	133,810	37.5%	45,767	12.8%	153,638	43.1%	5,130	1.4%	18,089	5.1%
Santa Cruz*	78,341	58,744	75.0%	11,588	14.8%	2,796	3.6%	591	0.8%	4,622	5.9%
Shasta	51,896	43,861	84.5%	2,719	5.2%	788	1.5%	382	0.7%	4,147	8.0%
Sierra	1,210	1,026	84.8%	84	6.9%	2	0.2%	4	0.3%	94	7.8%
Siskiyou	12,526	10,192	81.4%	615	4.9%	289	2.3%	106	0.8%	1,324	10.6%
Solano	77,324	39,122	50.6%	11,754	15.2%	10,051	13.0%	9,745	12.6%	6,651	8.6%
Sonoma*	137,852	102,478	74.3%	14,623	10.6%	4,380	3.2%	1,445	1.0%	14,926	10.8%
Stanislaus*	81,341	45,263	55.6%	24,845	30.5%	4,166	5.1%	2,142	2.6%	4,925	6.1%
Sutter	19,115	11,039	57.7%	2,945	15.4%	3,413	17.9%	293	1.5%	1,425	7.5%
Tehama	14,131	11,406	80.7%	1,482	10.5%	106	0.8%	64	0.4%	1,073	7.6%
Trinity	3,655	3,079	84.2%	118	3.2%	61	1.7%	15	0.4%	383	10.5%
Tulare	50,908	26,980	53.0%	19,482	38.3%	1,263	2.5%	685	1.3%	2,498	4.9%
Tuolumne*	16,937	14,366	84.8%	1,200	7.1%	159	0.9%	47	0.3%	1,165	6.9%
Ventura*	202,813	128,836	63.5%	47,193	23.3%	13,240	6.5%	2,867	1.4%	10,678	5.3%
Yolo*	49,480	30,102	60.8%	9,471	19.1%	5,325	10.8%	1,032	2.1%	3,550	7.2%
Yuba	12,506	8,737	69.9%	1,817	14.5%	486	3.9%	355	2.8%	1,112	8.9%

Table 3 below shows turnout rates for California statewide.³⁴ Across all fifty-eight California counties, voters had an overall turnout rate of 33%. Voters estimated to be white have the highest turnout rate among any

³⁴ Turnout is the measurement of voter participation in the election. It is calculated by dividing the number of ballots cast by the number of active registered voters for a group.

racial/ethnic group, with 44.4% of voters participating in the 2022 Primary Election. Voters estimated to be Latino had a turnout rate of 21.2% – the lowest turnout rate of any group. Voters estimated to be AAPI had a turnout rate of 29.9% in the 2022 Primary Election. There was a 28.0% turnout rate among voters estimated to be Black. All ‘other’ voters had a turnout rate of 33.3% across the state.

Below in Table 3 are turnout rates for non-VCA counties. Across all thirty-one non-VCA counties, voters had an overall turnout rate of 32.9%. Voters estimated to be white have the highest turnout rate of any racial/ethnic group, with 43.8% of voters participating in the 2022 Primary Election. The lowest turnout rate of any group is among voters estimated to be Latino, with a turnout rate of 19.7%. Voters estimated to be AAPI had a turnout rate of 31.4% in the 2022 Primary Election. Among voters estimated as Black, there was a 25.7% turnout rate. All ‘other’ voters had a turnout rate of 33.3% in non-VCA counties.

In Table 3 are turnout rates for VCA counties. Across all twenty-seven VCA counties, voters had an overall turnout rate of 33.1%. Voters estimated to be white have the highest turnout rate among any racial/ethnic group, with 44.7% of voters participating in the 2022 Primary Election. Voters estimated to be Latino had a turnout rate of 21.6% – the lowest turnout rate of any group. Voters estimated to be AAPI had a turnout rate of 29.6% in the 2022 Primary Election. There was a 28.8% turnout rate among voters estimated to be Black. All ‘other’ voters had a turnout rate of 33.3% across VCA counties.

Table 3: Turnout by Race and Ethnicity

Jurisdiction	Total	White	Latino	AAPI	Black	Other
Statewide	33.0%	44.4%	21.2%	29.9%	28.0%	33.3%
Non-VCA	32.9%	43.8%	19.7%	31.4%	25.7%	33.3%
VCA (Including Los Angeles)	33.1%	44.7%	21.6%	29.6%	28.8%	33.3%
VCA (Excluding Los Angeles)	35.3%	45.5%	22.7%	30.4%	29.5%	37.0%
Alameda*	32.7%	44.4%	23.2%	27.6%	28.1%	35.0%
Alpine	59.6%	65.2%	46.9%	68.0%	33.3%	52.7%
Amador*	56.7%	58.2%	47.1%	52.7%	51.0%	52.1%
Butte*	39.1%	43.0%	23.8%	23.8%	29.2%	36.3%
Calaveras*	48.4%	50.1%	36.8%	44.4%	43.1%	46.0%
Colusa	35.7%	51.3%	21.5%	31.3%	38.7%	39.6%
Contra Costa	34.9%	44.5%	23.7%	28.7%	27.6%	33.6%
Del Norte	39.1%	42.2%	26.6%	25.2%	32.5%	37.0%
El Dorado*	45.2%	47.5%	34.0%	33.9%	41.9%	42.3%
Fresno*	27.1%	40.6%	19.1%	21.0%	22.9%	30.8%

Jurisdiction	Total	White	Latino	AAPI	Black	Other
Glenn	41.9%	51.6%	26.8%	22.8%	48.5%	40.3%
Humboldt	40.6%	43.4%	29.2%	27.7%	31.8%	35.2%
Imperial	22.3%	45.1%	19.9%	25.1%	33.4%	20.0%
Inyo	53.3%	58.0%	38.1%	42.0%	48.5%	46.0%
Kern	25.9%	37.7%	16.1%	23.5%	22.1%	29.4%
Kings*	28.7%	41.7%	20.8%	26.2%	26.1%	28.2%
Lake	36.1%	39.4%	24.3%	33.3%	31.1%	31.9%
Lassen	43.3%	45.1%	33.8%	27.7%	36.9%	40.4%
Los Angeles*	28.6%	41.9%	20.2%	27.7%	28.1%	26.9%
Madera*	34.4%	48.3%	21.8%	27.6%	34.3%	39.9%
Marin*	49.4%	52.3%	37.3%	41.2%	36.4%	47.1%
Mariposa*	53.7%	55.4%	42.2%	44.7%	51.5%	51.5%
Mendocino	41.7%	46.1%	27.1%	32.0%	38.5%	37.2%
Merced*	25.6%	40.2%	18.4%	20.5%	27.0%	29.8%
Modoc	47.9%	50.3%	31.4%	48.8%	47.0%	42.1%
Mono	41.4%	44.8%	25.7%	41.2%	44.9%	40.0%
Monterey	31.0%	47.3%	18.2%	30.2%	33.8%	36.7%
Napa*	43.4%	52.4%	29.0%	30.1%	35.3%	42.8%
Nevada*	50.0%	51.2%	39.8%	44.4%	44.5%	45.3%
Orange*	35.0%	44.4%	22.5%	31.5%	32.6%	36.5%
Placer	46.2%	50.0%	35.8%	33.7%	40.3%	43.1%
Plumas	52.0%	53.4%	40.6%	40.6%	41.5%	46.6%
Riverside*	28.5%	40.9%	18.4%	24.7%	26.7%	29.0%
Sacramento*	38.8%	46.9%	29.6%	31.0%	32.3%	38.6%
San Benito*	33.5%	45.2%	26.1%	30.3%	38.0%	36.6%
San Bernardino	22.5%	33.7%	15.8%	21.2%	21.6%	23.5%
San Diego*	34.7%	43.7%	22.7%	28.9%	29.3%	35.0%
San Francisco	46.0%	53.1%	36.0%	43.6%	31.2%	46.1%
San Joaquin	28.0%	40.3%	19.8%	22.0%	23.8%	29.6%
San Luis Obispo	48.3%	52.5%	33.1%	39.6%	41.8%	45.7%
San Mateo*	38.2%	48.0%	26.9%	32.9%	34.4%	39.1%
Santa Barbara	39.6%	50.1%	25.0%	32.7%	38.4%	40.1%
Santa Clara*	35.6%	47.1%	25.0%	32.5%	30.9%	39.7%
Santa Cruz*	46.7%	53.5%	29.0%	42.3%	42.4%	46.3%
Shasta	46.3%	48.2%	34.6%	29.8%	36.5%	43.4%
Sierra	54.3%	54.7%	46.9%	39.9%	56.4%	58.2%

Jurisdiction	Total	White	Latino	AAPI	Black	Other
Siskiyou	43.4%	45.4%	30.5%	45.4%	36.2%	38.3%
Solano	29.7%	37.9%	21.0%	24.0%	27.3%	28.3%
Sonoma*	45.4%	50.7%	27.7%	35.2%	36.1%	46.2%
Stanislaus*	29.0%	39.3%	19.7%	23.0%	30.1%	34.1%
Sutter	36.5%	44.0%	23.5%	33.5%	33.4%	39.3%
Tehama	37.4%	41.7%	21.6%	29.0%	29.9%	36.4%
Trinity	49.3%	50.4%	45.2%	23.0%	49.5%	51.1%
Tulare	24.6%	38.0%	16.5%	20.2%	26.6%	27.6%
Tuolumne*	48.2%	49.5%	41.1%	45.0%	36.5%	42.9%
Ventura*	40.0%	50.0%	26.5%	34.8%	37.9%	42.1%
Yolo*	41.6%	51.3%	27.8%	35.9%	34.7%	42.2%
Yuba	30.8%	36.6%	19.8%	18.3%	25.7%	31.8%

Table 4 below shows the voting methods used by each racial and ethnic group during the 2022 Primary Election. Below the table shows that vote-by-mail was the overall preferred method of voting for statewide voters (6.6 million or 91.6%) and preferred by white (3.5 million or 92.1%), Black (289 thousand or 89.8%), Latino (1.3 million or 89.2%), AAPI (1.0 million or 93.6%), and all 'other' voters (413 thousand or 91.3%). The following most utilized method was voting in person at a vote center, with 471 thousand or 6.5% of voters using the method statewide. Vote centers were commonly used by white (228 thousand or 5.9%), Black (26 thousand or 8.2%), Latino (130 thousand or 8.8%), AAPI (57 thousand or 5.2%), and all 'other' voters (28 thousand or 6.4%) across California. In-person voting at a polling place and casting a nonprovisional CVR and provisional CVR were utilized at much lower rates than vote-by-mail and vote centers. Approximately 127 thousand, or 1.8%, statewide ballots were cast in a polling place. Only 1,161 ballots were cast via a non-provisional CVR ballot. The remaining 10 thousand, or 0.1%, statewide votes were cast using a CVR ballot.

In Table 4 below, we see that vote-by-mail was the overall preferred method of voting for non-VCA voters with an approximately (1.5 million or 92.4%). The preferred method by white voters was also the vote-by-mail method with approximately (901 thousand or 92.4%), Black (64 thousand or 91.5%), Latino (294 thousand or 91.6%), AAPI (192 thousand or 94.2%), and all 'other' voters (114 thousand or 91.8%) across non-VCA counties. The next most utilized method was voting in person at a polling place, with 126 thousand, or 7.5%, of voters using the method in non-VCA. Polling places were commonly used by white (72 thousand or 7.5%), Black (5 thousand or 8.4%), Latino (26 thousand or 8.3%), AAPI (11 thousand or 5.7%), and all 'other' voters (10 thousand or 8.0%) across non-VCA counties. In-person voting at a vote center and casting a nonprovisional CVR and provisional CVR were utilized at much lower rates than vote-by-mail and polling places. Approximately 1.8 thousand, or 0.1%, statewide ballots were cast using a CVR ballot. Only 118 ballots were cast via a non-provisional CVR ballot and vote center.

Table 4 also shows that vote-by-mail was the most selected method of voting for VCA voters (5.0 million or 91.3%) and preferred by white (2.6 million or 92.0%), Black (225 thousand or 89.3%), Latino (1.0 million or

88.5%), AAPI (840 thousand or 93.5%), and all 'other' voters (299 thousand or 91.1%) across VCA counties. Casting a ballot at a vote center was the following most utilized method, with 471 thousand, or 8.5%, of voters using the method in non-VCA. Vote centers were commonly used by white (228 thousand or 7.9%), Black (26 thousand or 10.5%), Latino (130 thousand or 11.3%), AAPI (57 thousand or 6.3%), and all 'other' voters (28 thousand or 8.8%) across VCA counties. In-person voting at a polling place and casting a nonprovisional CVR and provisional CVR were utilized at much lower rates than vote-by-mail and vote centers. Approximately 8 thousand, or 0.2%, statewide ballots were cast using a CVR ballot. Only 1,313 ballots were cast via a non-provisional CVR ballot and polling place.

Table 4: Voting Methods by Race and Ethnicity³⁵

Jurisdiction	Racial/Ethnic Group	Vote-By-Mail		Vote Center		Polling Place ³⁶		Nonprovisional CVR		CVR	
Statewide	Total	6,619,761	91.6%	471,415	6.5%	127,226	1.8%	1,161	0.0%	10,128	0.1%
	White	3,561,854	92.1%	228,423	5.9%	72,878	1.9%	648	0.0%	4,392	0.1%
	Black	289,861	89.8%	26,481	8.2%	5,932	1.8%	22	0.0%	586	0.2%
	Latino	1,321,119	89.2%	130,705	8.8%	26,599	1.8%	359	0.0%	2,828	0.2%
	AAPI	1,033,271	93.6%	57,018	5.2%	11,793	1.1%	53	0.0%	1,655	0.1%
	Other	413,656	91.3%	28,788	6.4%	10,024	2.2%	80	0.0%	667	0.1%
Non-VCA	Total	1,567,243	92.4%	13	0.0%	126,969	7.5%	105	0.0%	1,819	0.1%
	White	901,551	92.4%	7	0.0%	72,753	7.5%	37	0.0%	884	0.1%
	Black	64,609	91.5%	1	0.0%	5,924	8.4%	1	0.0%	81	0.1%
	Latino	294,423	91.6%	4	0.0%	26,560	8.3%	60	0.0%	490	0.2%
	AAPI	192,463	94.2%	0	0.0%	11,731	5.7%	4	0.0%	216	0.1%
	Other	114,197	91.8%	1	0.0%	10,001	8.0%	4	0.0%	148	0.1%
VCA (Including Los Angeles)	Total	5,052,518	91.3%	471,402	8.5%	257	0.0%	1,056	0.0%	8,309	0.2%
	White	2,660,302	92.0%	228,416	7.9%	125	0.0%	611	0.0%	3,508	0.1%
	Black	225,252	89.3%	26,480	10.5%	9	0.0%	21	0.0%	505	0.2%
	Latino	1,026,696	88.5%	130,701	11.3%	39	0.0%	299	0.0%	2,338	0.2%
	AAPI	840,808	93.5%	57,018	6.3%	62	0.0%	49	0.0%	1,439	0.2%
	Other	299,460	91.1%	28,787	8.8%	22	0.0%	76	0.0%	519	0.2%
VCA (Excluding Los Angeles)	Total	3,688,685	93.9%	232,814	5.9%	228	0.0%	1,055	0.0%	5,109	0.1%
	White	2,088,113	93.9%	133,201	6.0%	116	0.0%	610	0.0%	2,249	0.1%

³⁵ Definitions for voting methods: **Vote by Mail** – return ballot by mail; **Vote Center** – physical locations that offer ballot drop off, replacement ballots, accessible voting machines, in-person voting, and same day voter registration; **Provisional** - ballots cast by voters who believe they are registered to vote even though their names are not on the official voter registration list at the polling place, or instead want to vote at their polling place or a vote center, but they did not receive their mail ballot or do not have their ballot with them; and, **Polling Place** - the location of the election day polling place is provided in the county Voter Information Guide mailed by county elections officials. **CVR** - an affidavit of registration submitted at the county elections office during the fourteen days before an election or on election day. The voter is then conditionally registered to vote and given a CVR provisional ballot. Once the county elections office processes the affidavit of registration, determines the individual's eligibility to register, and validates the individual's information, the registration becomes permanent, and the CVR provisional ballot will be counted.

³⁶ The number of ballots cast at polling places varies between VCA and non-VCA counties, as polling places have been largely removed from VCA counties. However, in VCA counties, county election offices can serve as a 'polling place' for voters to drop off ballots.

Jurisdiction	Racial/Ethnic Group	Vote-By-Mail		Vote Center		Polling Place ³⁶		Nonprovisional CVR		CVR	
	Black	119,905	94.4%	6,867	5.4%	9	0.0%	21	0.0%	247	0.2%
	Latino	639,640	92.8%	47,680	6.9%	29	0.0%	298	0.0%	1,302	0.2%
	AAPI	624,653	95.1%	31,076	4.7%	56	0.0%	49	0.0%	998	0.2%
	Other	216,375	93.8%	13,990	6.1%	19	0.0%	76	0.0%	313	0.1%
Alameda*	Total	294,275	96.4%	10,268	3.4%	50	0.0%	0	0.0%	556	0.2%
	White	125,328	96.5%	4,275	3.3%	26	0.0%	0	0.0%	192	0.1%
	Black	24,431	95.8%	1,006	3.9%	4	0.0%	0	0.0%	58	0.2%
	Latino	32,661	95.4%	1,462	4.3%	4	0.0%	0	0.0%	106	0.3%
	AAPI	92,521	96.9%	2,800	2.9%	13	0.0%	0	0.0%	165	0.2%
	Other	19,335	96.2%	726	3.6%	4	0.0%	0	0.0%	36	0.2%
Alpine	Total	554	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	White	351	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Black	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Latino	15	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	AAPI	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	185	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Amador*	Total	14,319	96.1%	535	3.6%	0	0.0%	39	0.3%	4	0.0%
	White	12,215	96.3%	441	3.5%	0	0.0%	31	0.2%	4	0.0%
	Black	78	96.9%	2	2.7%	0	0.0%	0	0.3%	0	0.1%
	Latino	1,007	95.3%	46	4.3%	0	0.0%	3	0.3%	0	0.0%
	AAPI	125	95.9%	5	4.0%	0	0.0%	0	0.1%	0	0.0%
	Other	894	95.2%	41	4.4%	0	0.0%	4	0.4%	0	0.0%
Butte*	Total	48,105	99.8%	78	0.2%	3	0.0%	0	0.0%	27	0.1%
	White	39,237	99.8%	56	0.1%	2	0.0%	0	0.0%	18	0.0%
	Black	528	99.9%	1	0.1%	0	0.0%	0	0.0%	0	0.0%
	Latino	3,692	99.6%	7	0.2%	1	0.0%	0	0.0%	8	0.2%
	AAPI	1,281	99.6%	6	0.4%	0	0.0%	0	0.0%	0	0.0%
	Other	3,366	99.7%	9	0.3%	0	0.0%	0	0.0%	1	0.0%
Calaveras*	Total	14,419	93.4%	961	6.2%	0	0.0%	57	0.4%	4	0.0%
	White	11,799	93.4%	776	6.1%	0	0.0%	49	0.4%	3	0.0%
	Black	94	95.0%	5	4.6%	0	0.0%	0	0.4%	0	0.0%
	Latino	966	92.4%	77	7.4%	0	0.0%	2	0.2%	0	0.0%
	AAPI	209	94.7%	11	4.8%	0	0.0%	1	0.5%	0	0.0%
	Other	1,351	93.2%	93	6.4%	0	0.0%	4	0.3%	1	0.1%
Colusa	Total	3,291	91.7%	1	0.0%	294	8.2%	0	0.0%	3	0.1%
	White	2,082	91.6%	0	0.0%	188	8.3%	0	0.0%	3	0.1%
	Black	27	92.9%	0	0.0%	2	6.9%	0	0.0%	0	0.2%
	Latino	983	92.0%	1	0.1%	84	7.9%	0	0.0%	0	0.0%
	AAPI	37	92.4%	0	0.0%	3	7.6%	0	0.0%	0	0.0%
	Other	162	90.5%	0	0.0%	17	9.4%	0	0.0%	0	0.1%
Contra Costa	Total	231,956	94.2%	1	0.0%	13,999	5.7%	0	0.0%	229	0.1%

Jurisdiction	Racial/Ethnic Group	Vote-By-Mail		Vote Center		Polling Place ³⁶		Nonprovisional CVR		CVR	
	White	123,859	94.2%	0	0.0%	7,535	5.7%	0	0.0%	110	0.1%
	Black	14,132	93.2%	1	0.0%	1,014	6.7%	0	0.0%	21	0.1%
	Latino	28,544	93.4%	0	0.0%	1,985	6.5%	0	0.0%	40	0.1%
	AAPI	37,552	96.0%	0	0.0%	1,542	3.9%	0	0.0%	38	0.1%
	Other	27,870	93.5%	0	0.0%	1,923	6.5%	0	0.0%	19	0.1%
Del Norte	Total	5,250	88.3%	0	0.0%	689	11.6%	0	0.0%	7	0.1%
	White	3,903	89.2%	0	0.0%	468	10.7%	0	0.0%	6	0.1%
	Black	24	89.6%	0	0.0%	3	10.4%	0	0.0%	0	0.0%
	Latino	386	84.8%	0	0.0%	69	15.2%	0	0.0%	0	0.0%
	AAPI	82	93.9%	0	0.0%	5	5.8%	0	0.0%	0	0.2%
	Other	855	85.5%	0	0.0%	144	14.4%	0	0.0%	1	0.1%
El Dorado*	Total	59,417	95.5%	2,688	4.3%	2	0.0%	53	0.1%	51	0.1%
	White	49,126	95.6%	2,178	4.2%	2	0.0%	42	0.1%	37	0.1%
	Black	390	96.5%	14	3.4%	0	0.0%	0	0.0%	0	0.1%
	Latino	4,086	94.4%	231	5.3%	0	0.0%	4	0.1%	5	0.1%
	AAPI	2,054	95.7%	86	4.0%	0	0.0%	2	0.1%	4	0.2%
	Other	3,762	95.2%	179	4.5%	0	0.0%	5	0.1%	5	0.1%
Fresno*	Total	124,728	92.4%	9,940	7.4%	1	0.0%	250	0.2%	107	0.1%
	White	61,667	92.4%	4,918	7.4%	1	0.0%	98	0.1%	22	0.0%
	Black	4,576	92.8%	341	6.9%	0	0.0%	7	0.1%	5	0.1%
	Latino	40,718	91.7%	3,505	7.9%	0	0.0%	111	0.3%	52	0.1%
	AAPI	11,158	94.8%	578	4.9%	0	0.0%	18	0.1%	19	0.2%
	Other	6,609	91.4%	599	8.3%	0	0.0%	16	0.2%	8	0.1%
Glenn	Total	5,797	96.4%	1	0.0%	207	3.4%	1	0.0%	6	0.1%
	White	4,070	96.5%	1	0.0%	143	3.4%	1	0.0%	4	0.1%
	Black	32	96.4%	0	0.0%	1	3.1%	0	0.5%	0	0.0%
	Latino	1,246	96.3%	0	0.0%	45	3.5%	0	0.0%	2	0.2%
	AAPI	55	98.1%	0	0.0%	1	1.8%	0	0.0%	0	0.0%
	Other	395	95.9%	0	0.0%	17	4.0%	0	0.0%	0	0.1%
Humboldt	Total	31,735	91.3%	0	0.0%	2,982	8.6%	0	0.0%	39	0.1%
	White	25,643	91.6%	0	0.0%	2,338	8.3%	0	0.0%	23	0.1%
	Black	283	91.4%	0	0.0%	26	8.4%	0	0.0%	1	0.2%
	Latino	2,084	89.7%	0	0.0%	232	10.0%	0	0.0%	8	0.3%
	AAPI	444	92.4%	0	0.0%	35	7.4%	0	0.0%	1	0.2%
	Other	3,280	90.2%	0	0.0%	350	9.6%	0	0.0%	6	0.2%
Imperial	Total	18,389	94.8%	0	0.0%	991	5.1%	0	0.0%	14	0.1%
	White	3,344	94.6%	0	0.0%	187	5.3%	0	0.0%	2	0.1%
	Black	210	93.1%	0	0.0%	16	6.9%	0	0.0%	0	0.0%
	Latino	13,692	94.8%	0	0.0%	734	5.1%	0	0.0%	11	0.1%
	AAPI	217	96.6%	0	0.0%	8	3.4%	0	0.0%	0	0.0%
	Other	926	95.1%	0	0.0%	46	4.8%	0	0.0%	1	0.1%

Jurisdiction	Racial/Ethnic Group	Vote-By-Mail		Vote Center		Polling Place ³⁶		Nonprovisional CVR		CVR	
Inyo	Total	5,214	90.4%	0	0.0%	549	9.5%	0	0.0%	2	0.0%
	White	4,045	91.1%	0	0.0%	393	8.8%	0	0.0%	2	0.0%
	Black	16	90.3%	0	0.0%	2	9.7%	0	0.0%	0	0.0%
	Latino	561	89.4%	0	0.0%	67	10.6%	0	0.0%	0	0.0%
	AAPI	62	93.6%	0	0.0%	4	6.4%	0	0.0%	0	0.0%
	Other	529	86.3%	0	0.0%	84	13.6%	0	0.0%	0	0.0%
Kern	Total	103,577	91.9%	1	0.0%	8,966	8.0%	0	0.0%	108	0.1%
	White	58,859	91.4%	0	0.0%	5,504	8.5%	0	0.0%	37	0.1%
	Black	4,293	92.4%	0	0.0%	348	7.5%	0	0.0%	4	0.1%
	Latino	30,057	92.6%	1	0.0%	2,346	7.2%	0	0.0%	56	0.2%
	AAPI	4,667	95.1%	0	0.0%	234	4.8%	0	0.0%	7	0.1%
	Other	5,701	91.4%	0	0.0%	533	8.5%	0	0.0%	4	0.1%
Kings*	Total	16,529	93.9%	1,058	6.0%	0	0.0%	0	0.0%	18	0.1%
	White	8,069	94.4%	475	5.6%	0	0.0%	0	0.0%	7	0.1%
	Black	553	93.6%	37	6.3%	0	0.0%	0	0.0%	0	0.0%
	Latino	6,241	93.5%	424	6.4%	0	0.0%	0	0.0%	10	0.1%
	AAPI	518	93.8%	34	6.2%	0	0.0%	0	0.0%	0	0.0%
	Other	1,147	92.9%	87	7.0%	0	0.0%	0	0.0%	1	0.0%
Lake	Total	12,134	90.2%	0	0.0%	1,316	9.8%	0	0.0%	8	0.1%
	White	9,603	90.3%	0	0.0%	1,022	9.6%	0	0.0%	4	0.0%
	Black	166	92.3%	0	0.0%	14	7.7%	0	0.0%	0	0.0%
	Latino	1,275	88.1%	0	0.0%	168	11.6%	0	0.0%	4	0.3%
	AAPI	140	94.9%	0	0.0%	7	5.0%	0	0.0%	0	0.0%
	Other	949	90.0%	0	0.0%	105	10.0%	0	0.0%	0	0.0%
Lassen	Total	6,440	97.8%	0	0.0%	135	2.1%	0	0.0%	10	0.2%
	White	5,268	97.7%	0	0.0%	113	2.1%	0	0.0%	9	0.2%
	Black	55	98.8%	0	0.0%	1	1.2%	0	0.0%	0	0.1%
	Latino	522	98.0%	0	0.0%	10	1.9%	0	0.0%	0	0.0%
	AAPI	44	96.7%	0	0.0%	1	3.2%	0	0.0%	0	0.0%
	Other	551	98.0%	0	0.0%	10	1.7%	0	0.0%	1	0.2%
Los Angeles*	Total	1,363,833	84.9%	238,588	14.9%	29	0.0%	1	0.0%	3,200	0.2%
	White	572,190	85.6%	95,214	14.2%	9	0.0%	0	0.0%	1,258	0.2%
	Black	105,348	84.1%	19,613	15.7%	0	0.0%	0	0.0%	258	0.2%
	Latino	387,056	82.2%	83,021	17.6%	10	0.0%	1	0.0%	1,037	0.2%
	AAPI	216,156	89.1%	25,942	10.7%	6	0.0%	0	0.0%	440	0.2%
	Other	83,085	84.7%	14,798	15.1%	3	0.0%	0	0.0%	206	0.2%
Madera*	Total	23,354	94.7%	1,267	5.1%	0	0.0%	12	0.0%	30	0.1%
	White	13,933	94.7%	756	5.1%	0	0.0%	8	0.1%	13	0.1%
	Black	395	95.3%	19	4.6%	0	0.0%	0	0.0%	1	0.1%
	Latino	7,048	94.6%	384	5.2%	0	0.0%	4	0.1%	11	0.1%
	AAPI	516	95.3%	21	3.9%	0	0.0%	0	0.0%	4	0.8%

Jurisdiction	Racial/Ethnic Group	Vote-By-Mail		Vote Center		Polling Place ³⁶		Nonprovisional CVR		CVR	
	Other	1,463	94.3%	87	5.6%	0	0.0%	0	0.0%	1	0.1%
Marin*	Total	80,509	95.9%	3,332	4.0%	19	0.0%	0	0.0%	83	0.1%
	White	64,395	95.9%	2,670	4.0%	16	0.0%	0	0.0%	63	0.1%
	Black	913	94.1%	56	5.8%	0	0.0%	0	0.0%	1	0.1%
	Latino	6,340	95.5%	289	4.4%	1	0.0%	0	0.0%	6	0.1%
	AAPI	4,496	97.3%	123	2.7%	0	0.0%	0	0.0%	4	0.1%
	Other	4,365	95.5%	194	4.2%	2	0.0%	0	0.0%	8	0.2%
Mariposa*	Total	6,227	99.8%	9	0.1%	0	0.0%	0	0.0%	3	0.0%
	White	5,114	99.8%	9	0.2%	0	0.0%	0	0.0%	3	0.0%
	Black	34	99.7%	0	0.3%	0	0.0%	0	0.0%	0	0.0%
	Latino	448	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	AAPI	61	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	570	99.9%	0	0.1%	0	0.0%	0	0.0%	0	0.1%
Mendocino	Total	21,484	96.8%	0	0.0%	702	3.2%	0	0.0%	17	0.1%
	White	16,904	96.9%	0	0.0%	522	3.0%	0	0.0%	15	0.1%
	Black	123	96.1%	0	0.0%	5	3.6%	0	0.0%	0	0.3%
	Latino	2,413	95.7%	0	0.0%	107	4.3%	0	0.0%	1	0.0%
	AAPI	254	97.5%	0	0.0%	7	2.5%	0	0.0%	0	0.0%
	Other	1,790	96.6%	0	0.0%	61	3.3%	0	0.0%	1	0.0%
Merced*	Total	30,079	95.0%	1,545	4.9%	0	0.0%	0	0.0%	31	0.1%
	White	13,747	95.4%	655	4.5%	0	0.0%	0	0.0%	7	0.0%
	Black	915	95.2%	45	4.6%	0	0.0%	0	0.0%	1	0.1%
	Latino	11,950	94.1%	725	5.7%	0	0.0%	0	0.0%	20	0.2%
	AAPI	1,966	97.5%	47	2.3%	0	0.0%	0	0.0%	2	0.1%
	Other	1,501	95.3%	73	4.6%	0	0.0%	0	0.0%	1	0.0%
Modoc	Total	2,339	94.1%	0	0.0%	145	5.8%	0	0.0%	1	0.0%
	White	1,993	94.2%	0	0.0%	122	5.8%	0	0.0%	1	0.0%
	Black	14	93.8%	0	0.0%	1	6.2%	0	0.0%	0	0.0%
	Latino	139	92.1%	0	0.0%	12	7.9%	0	0.0%	0	0.0%
	AAPI	17	88.1%	0	0.0%	2	11.9%	0	0.0%	0	0.0%
	Other	174	96.0%	0	0.0%	7	4.0%	0	0.0%	0	0.0%
Mono	Total	2,940	89.9%	0	0.0%	321	9.8%	0	0.0%	9	0.3%
	White	2,427	90.2%	0	0.0%	258	9.6%	0	0.0%	5	0.2%
	Black	17	90.7%	0	0.0%	2	9.3%	0	0.0%	0	0.0%
	Latino	271	84.8%	0	0.0%	47	14.8%	0	0.0%	1	0.4%
	AAPI	53	98.0%	0	0.0%	1	1.7%	0	0.0%	0	0.3%
	Other	172	91.4%	0	0.0%	13	6.9%	0	0.0%	3	1.6%
Monterey	Total	61,868	96.0%	0	0.0%	2,519	3.9%	0	0.0%	68	0.1%
	White	35,066	96.2%	0	0.0%	1,377	3.8%	0	0.0%	25	0.1%
	Black	1,250	96.0%	0	0.0%	49	3.8%	0	0.0%	3	0.2%
	Latino	17,945	95.5%	0	0.0%	822	4.4%	0	0.0%	30	0.2%

Jurisdiction	Racial/Ethnic Group	Vote-By-Mail		Vote Center		Polling Place ³⁶		Nonprovisional CVR		CVR	
	AAPI	3,961	97.0%	0	0.0%	115	2.8%	0	0.0%	6	0.1%
	Other	3,647	95.8%	0	0.0%	156	4.1%	0	0.0%	4	0.1%
Napa*	Total	35,698	98.4%	500	1.4%	5	0.0%	17	0.0%	42	0.1%
	White	24,839	98.6%	312	1.2%	2	0.0%	9	0.0%	24	0.1%
	Black	486	96.6%	15	3.0%	0	0.0%	0	0.0%	2	0.4%
	Latino	6,579	98.1%	106	1.6%	3	0.0%	7	0.1%	10	0.1%
	AAPI	1,962	97.9%	38	1.9%	0	0.0%	0	0.0%	3	0.2%
	Other	1,832	98.2%	29	1.6%	0	0.0%	1	0.1%	3	0.2%
Nevada*	Total	35,670	95.2%	1,764	4.7%	3	0.0%	0	0.0%	45	0.1%
	White	31,368	95.2%	1,524	4.6%	3	0.0%	0	0.0%	39	0.1%
	Black	107	96.5%	4	3.3%	0	0.0%	0	0.0%	0	0.2%
	Latino	1,776	94.0%	110	5.8%	0	0.0%	0	0.0%	3	0.2%
	AAPI	338	94.2%	21	5.8%	0	0.0%	0	0.0%	0	0.0%
	Other	2,080	95.1%	106	4.8%	0	0.0%	0	0.0%	2	0.1%
Orange*	Total	560,263	88.5%	71,823	11.3%	11	0.0%	0	0.0%	962	0.2%
	White	295,879	87.5%	42,030	12.4%	2	0.0%	0	0.0%	397	0.1%
	Black	6,756	87.7%	938	12.2%	0	0.0%	0	0.0%	13	0.2%
	Latino	86,537	87.1%	12,549	12.6%	4	0.0%	0	0.0%	228	0.2%
	AAPI	145,269	91.9%	12,604	8.0%	3	0.0%	0	0.0%	272	0.2%
	Other	25,822	87.3%	3,701	12.5%	1	0.0%	0	0.0%	54	0.2%
Placer	Total	119,106	93.3%	0	0.0%	8,350	6.5%	0	0.0%	160	0.1%
	White	91,469	93.3%	0	0.0%	6,440	6.6%	0	0.0%	117	0.1%
	Black	1,529	93.2%	0	0.0%	106	6.5%	0	0.0%	5	0.3%
	Latino	9,850	92.3%	0	0.0%	801	7.5%	0	0.0%	18	0.2%
	AAPI	9,165	95.0%	0	0.0%	478	5.0%	0	0.0%	7	0.1%
	Other	7,093	92.9%	0	0.0%	526	6.9%	0	0.0%	13	0.2%
Plumas	Total	7,166	100.0%	0	0.0%	0	0.0%	0	0.0%	2	0.0%
	White	6,294	100.0%	0	0.0%	0	0.0%	0	0.0%	1	0.0%
	Black	33	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Latino	333	99.7%	0	0.0%	0	0.0%	0	0.0%	1	0.3%
	AAPI	44	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	462	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Riverside*	Total	349,103	93.7%	22,399	6.0%	8	0.0%	0	0.0%	899	0.2%
	White	192,817	94.0%	11,981	5.8%	5	0.0%	0	0.0%	388	0.2%
	Black	20,485	94.1%	1,226	5.6%	0	0.0%	0	0.0%	66	0.3%
	Latino	97,410	93.0%	6,969	6.7%	1	0.0%	0	0.0%	348	0.3%
	AAPI	21,268	95.2%	1,018	4.6%	1	0.0%	0	0.0%	56	0.3%
	Other	17,123	93.2%	1,205	6.6%	0	0.0%	0	0.0%	42	0.2%
Sacramento*	Total	323,762	96.7%	10,498	3.1%	14	0.0%	1	0.0%	608	0.2%
	White	181,965	96.7%	6,014	3.2%	6	0.0%	0	0.0%	276	0.1%
	Black	24,163	96.5%	819	3.3%	2	0.0%	0	0.0%	62	0.2%

Jurisdiction	Racial/Ethnic Group	Vote-By-Mail		Vote Center		Polling Place ³⁶		Nonprovisional CVR		CVR	
	Latino	45,016	96.2%	1,653	3.5%	1	0.0%	0	0.0%	123	0.3%
	AAPI	49,142	97.5%	1,169	2.3%	4	0.0%	0	0.0%	102	0.2%
	Other	23,477	96.3%	843	3.5%	1	0.0%	0	0.0%	45	0.2%
San Benito*	Total	11,813	94.7%	625	5.0%	0	0.0%	20	0.2%	14	0.1%
	White	5,606	95.0%	287	4.9%	0	0.0%	7	0.1%	4	0.1%
	Black	109	93.6%	6	5.4%	0	0.0%	1	0.9%	0	0.1%
	Latino	5,101	94.5%	280	5.2%	0	0.0%	8	0.2%	9	0.2%
	AAPI	421	96.1%	15	3.3%	0	0.0%	1	0.3%	1	0.3%
	Other	577	93.5%	37	6.1%	0	0.0%	2	0.4%	0	0.1%
San Bernardino	Total	227,242	88.8%	0	0.0%	28,202	11.0%	0	0.0%	355	0.1%
	White	101,606	88.3%	0	0.0%	13,320	11.6%	0	0.0%	113	0.1%
	Black	17,873	90.4%	0	0.0%	1,890	9.6%	0	0.0%	18	0.1%
	Latino	76,702	88.4%	0	0.0%	9,871	11.4%	0	0.0%	165	0.2%
	AAPI	19,008	93.1%	0	0.0%	1,389	6.8%	0	0.0%	25	0.1%
	Other	12,053	87.2%	0	0.0%	1,731	12.5%	0	0.0%	34	0.2%
San Diego*	Total	623,878	93.5%	43,208	6.5%	10	0.0%	0	0.0%	480	0.1%
	White	382,162	93.5%	26,454	6.5%	5	0.0%	0	0.0%	217	0.1%
	Black	20,679	93.0%	1,544	6.9%	1	0.0%	0	0.0%	15	0.1%
	Latino	116,421	92.7%	8,964	7.1%	2	0.0%	0	0.0%	138	0.1%
	AAPI	67,343	95.1%	3,394	4.8%	1	0.0%	0	0.0%	77	0.1%
	Other	37,274	92.8%	2,852	7.1%	0	0.0%	0	0.0%	33	0.1%
San Francisco	Total	205,998	90.8%	1	0.0%	20,816	9.2%	0	0.0%	137	0.1%
	White	91,637	89.7%	1	0.0%	10,446	10.2%	0	0.0%	61	0.1%
	Black	6,330	88.8%	0	0.0%	788	11.1%	0	0.0%	7	0.1%
	Latino	17,163	88.3%	0	0.0%	2,247	11.6%	0	0.0%	24	0.1%
	AAPI	80,840	92.9%	0	0.0%	6,121	7.0%	0	0.0%	37	0.0%
	Other	10,027	89.1%	0	0.0%	1,214	10.8%	0	0.0%	9	0.1%
San Joaquin	Total	100,058	93.4%	1	0.0%	6,965	6.5%	0	0.0%	117	0.1%
	White	45,537	92.9%	1	0.0%	3,438	7.0%	0	0.0%	50	0.1%
	Black	5,986	93.5%	0	0.0%	412	6.4%	0	0.0%	7	0.1%
	Latino	23,474	93.1%	0	0.0%	1,691	6.7%	0	0.0%	36	0.1%
	AAPI	14,522	96.0%	0	0.0%	594	3.9%	0	0.0%	18	0.1%
	Other	10,540	92.7%	0	0.0%	830	7.3%	0	0.0%	5	0.0%
San Luis Obispo	Total	85,194	97.1%	0	0.0%	2,477	2.8%	0	0.0%	76	0.1%
	White	67,447	97.1%	0	0.0%	1,933	2.8%	0	0.0%	57	0.1%
	Black	604	97.4%	0	0.0%	15	2.4%	0	0.0%	1	0.2%
	Latino	9,967	96.8%	0	0.0%	319	3.1%	0	0.0%	10	0.1%
	AAPI	2,022	97.6%	0	0.0%	46	2.2%	0	0.0%	2	0.1%
	Other	5,154	96.8%	0	0.0%	163	3.1%	0	0.0%	5	0.1%
San Mateo*	Total	158,741	95.9%	6,547	4.0%	34	0.0%	0	0.0%	187	0.1%
	White	80,198	95.9%	3,287	3.9%	21	0.0%	0	0.0%	84	0.1%

Jurisdiction	Racial/Ethnic Group	Vote-By-Mail		Vote Center		Polling Place ³⁶		Nonprovisional CVR		CVR	
	Black	1,686	94.4%	98	5.5%	0	0.0%	0	0.0%	2	0.1%
	Latino	20,138	94.8%	1,088	5.1%	1	0.0%	0	0.0%	24	0.1%
	AAPI	48,003	96.5%	1,679	3.4%	10	0.0%	0	0.0%	64	0.1%
	Other	8,716	95.5%	394	4.3%	2	0.0%	0	0.0%	14	0.2%
Santa Barbara	Total	88,156	94.6%	0	0.0%	4,886	5.2%	0	0.0%	104	0.1%
	White	58,780	94.8%	0	0.0%	3,148	5.1%	0	0.0%	61	0.1%
	Black	1,132	93.8%	0	0.0%	74	6.2%	0	0.0%	0	0.0%
	Latino	19,623	94.2%	0	0.0%	1,184	5.7%	0	0.0%	26	0.1%
	AAPI	3,827	95.0%	0	0.0%	189	4.7%	0	0.0%	12	0.3%
	Other	4,793	94.2%	0	0.0%	291	5.7%	0	0.0%	4	0.1%
Santa Clara*	Total	340,730	95.6%	15,237	4.3%	42	0.0%	0	0.0%	424	0.1%
	White	128,220	95.8%	5,440	4.1%	12	0.0%	0	0.0%	139	0.1%
	Black	4,823	94.0%	297	5.8%	1	0.0%	0	0.0%	9	0.2%
	Latino	43,106	94.2%	2,589	5.7%	3	0.0%	0	0.0%	68	0.1%
	AAPI	147,315	95.9%	6,112	4.0%	21	0.0%	0	0.0%	190	0.1%
	Other	17,266	95.5%	800	4.4%	5	0.0%	0	0.0%	18	0.1%
Santa Cruz*	Total	74,168	94.7%	3,938	5.0%	4	0.0%	119	0.2%	112	0.1%
	White	55,650	94.7%	2,944	5.0%	2	0.0%	84	0.1%	64	0.1%
	Black	556	94.2%	32	5.4%	0	0.0%	2	0.3%	1	0.1%
	Latino	10,927	94.3%	608	5.2%	2	0.0%	22	0.2%	30	0.3%
	AAPI	2,675	95.7%	111	4.0%	0	0.0%	3	0.1%	7	0.2%
	Other	4,360	94.3%	243	5.3%	0	0.0%	8	0.2%	11	0.2%
Shasta	Total	47,098	90.8%	0	0.0%	4,687	9.0%	0	0.0%	111	0.2%
	White	39,835	90.8%	0	0.0%	3,943	9.0%	0	0.0%	83	0.2%
	Black	341	89.2%	0	0.0%	39	10.3%	0	0.0%	2	0.5%
	Latino	2,448	90.0%	0	0.0%	262	9.6%	0	0.0%	9	0.3%
	AAPI	720	91.4%	0	0.0%	61	7.8%	0	0.0%	7	0.9%
	Other	3,755	90.6%	0	0.0%	381	9.2%	0	0.0%	10	0.2%
Sierra	Total	1,207	99.8%	0	0.0%	0	0.0%	0	0.0%	3	0.2%
	White	1,026	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Black	4	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Latino	84	99.7%	0	0.0%	0	0.0%	0	0.0%	0	0.3%
	AAPI	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	91	97.2%	0	0.0%	0	0.0%	0	0.0%	3	2.8%
Siskiyou	Total	11,205	89.5%	1	0.0%	1,250	10.0%	0	0.0%	70	0.6%
	White	9,171	90.0%	1	0.0%	996	9.8%	0	0.0%	23	0.2%
	Black	93	87.5%	0	0.0%	13	12.3%	0	0.0%	0	0.2%
	Latino	540	87.8%	0	0.0%	68	11.1%	0	0.0%	7	1.1%
	AAPI	222	76.8%	0	0.0%	31	10.7%	0	0.0%	36	12.4%
	Other	1,179	89.0%	0	0.0%	141	10.7%	0	0.0%	4	0.3%
Solano	Total	69,694	90.1%	2	0.0%	7,562	9.8%	0	0.0%	66	0.1%

Jurisdiction	Racial/Ethnic Group	Vote-By-Mail		Vote Center		Polling Place ³⁶		Nonprovisional CVR		CVR	
	White	35,054	89.6%	0	0.0%	4,039	10.3%	0	0.0%	28	0.1%
	Black	8,733	89.6%	0	0.0%	1,001	10.3%	0	0.0%	10	0.1%
	Latino	10,591	90.1%	1	0.0%	1,151	9.8%	0	0.0%	11	0.1%
	AAPI	9,382	93.3%	0	0.0%	662	6.6%	0	0.0%	7	0.1%
	Other	5,934	89.2%	0	0.0%	708	10.6%	0	0.0%	9	0.1%
Sonoma*	Total	133,944	97.2%	3,772	2.7%	9	0.0%	24	0.0%	103	0.1%
	White	99,677	97.3%	2,706	2.6%	7	0.0%	18	0.0%	71	0.1%
	Black	1,402	97.0%	42	2.9%	0	0.0%	0	0.0%	0	0.0%
	Latino	14,101	96.4%	501	3.4%	1	0.0%	1	0.0%	18	0.1%
	AAPI	4,288	97.9%	85	1.9%	1	0.0%	1	0.0%	5	0.1%
	Other	14,476	97.0%	437	2.9%	0	0.0%	3	0.0%	9	0.1%
Stanislaus*	Total	78,087	96.0%	3,169	3.9%	2	0.0%	0	0.0%	83	0.1%
	White	43,515	96.1%	1,710	3.8%	0	0.0%	0	0.0%	38	0.1%
	Black	2,062	96.2%	79	3.7%	0	0.0%	0	0.0%	2	0.1%
	Latino	23,750	95.6%	1,062	4.3%	2	0.0%	0	0.0%	32	0.1%
	AAPI	4,024	96.6%	134	3.2%	0	0.0%	0	0.0%	8	0.2%
	Other	4,737	96.2%	185	3.8%	0	0.0%	0	0.0%	3	0.1%
Sutter	Total	18,553	97.1%	0	0.0%	542	2.8%	0	0.0%	20	0.1%
	White	10,687	96.8%	0	0.0%	345	3.1%	0	0.0%	7	0.1%
	Black	282	96.4%	0	0.0%	10	3.5%	0	0.0%	0	0.1%
	Latino	2,846	96.6%	0	0.0%	98	3.3%	0	0.0%	1	0.0%
	AAPI	3,358	98.4%	0	0.0%	45	1.3%	0	0.0%	9	0.3%
	Other	1,379	96.7%	0	0.0%	44	3.1%	0	0.0%	3	0.2%
Tehama	Total	12,511	88.5%	1	0.0%	1,610	11.4%	0	0.0%	9	0.1%
	White	10,110	88.6%	1	0.0%	1,287	11.3%	0	0.0%	8	0.1%
	Black	57	89.3%	0	0.0%	7	10.7%	0	0.0%	0	0.0%
	Latino	1,304	88.0%	0	0.0%	178	12.0%	0	0.0%	0	0.0%
	AAPI	93	87.4%	0	0.0%	13	12.6%	0	0.0%	0	0.0%
	Other	948	88.3%	0	0.0%	125	11.6%	0	0.0%	0	0.0%
Trinity	Total	3,547	97.0%	0	0.0%	107	2.9%	0	0.0%	1	0.0%
	White	2,994	97.2%	0	0.0%	85	2.8%	0	0.0%	0	0.0%
	Black	14	97.5%	0	0.0%	0	2.5%	0	0.0%	0	0.0%
	Latino	112	95.7%	0	0.0%	4	3.6%	0	0.0%	1	0.7%
	AAPI	59	96.5%	0	0.0%	2	3.5%	0	0.0%	0	0.0%
	Other	367	96.0%	0	0.0%	15	4.0%	0	0.0%	0	0.0%
Tulare	Total	46,272	90.9%	0	0.0%	4,481	8.8%	104	0.2%	51	0.1%
	White	24,632	91.3%	0	0.0%	2,292	8.5%	37	0.1%	20	0.1%
	Black	623	91.1%	0	0.0%	59	8.7%	1	0.1%	1	0.2%
	Latino	17,609	90.4%	0	0.0%	1,789	9.2%	60	0.3%	25	0.1%
	AAPI	1,163	92.0%	0	0.0%	96	7.6%	4	0.3%	1	0.1%
	Other	2,245	89.9%	0	0.0%	246	9.8%	3	0.1%	4	0.2%

Jurisdiction	Racial/Ethnic Group	Vote-By-Mail		Vote Center		Polling Place ³⁶		Nonprovisional CVR		CVR	
Tuolumne	Total	16,547	97.7%	376	2.2%	1	0.0%	0	0.0%	13	0.1%
	White	14,039	97.7%	314	2.2%	1	0.0%	0	0.0%	12	0.1%
	Black	46	97.4%	1	2.6%	0	0.0%	0	0.0%	0	0.0%
	Latino	1,176	98.0%	23	1.9%	0	0.0%	0	0.0%	1	0.1%
	AAPI	159	99.7%	0	0.3%	0	0.0%	0	0.0%	0	0.0%
	Other	1,127	96.8%	37	3.2%	0	0.0%	0	0.0%	0	0.0%
Ventura*	Total	186,881	92.1%	15,300	7.5%	7	0.0%	463	0.2%	162	0.1%
	White	118,592	92.0%	9,880	7.7%	2	0.0%	264	0.2%	96	0.1%
	Black	2,649	92.4%	203	7.1%	0	0.0%	10	0.3%	4	0.2%
	Latino	43,476	92.1%	3,543	7.5%	2	0.0%	134	0.3%	37	0.1%
	AAPI	12,404	93.7%	799	6.0%	1	0.0%	23	0.2%	13	0.1%
	Other	9,760	91.4%	874	8.2%	1	0.0%	32	0.3%	11	0.1%
Yolo*	Total	47,439	95.9%	1,977	4.0%	3	0.0%	0	0.0%	61	0.1%
	White	28,958	96.2%	1,109	3.7%	1	0.0%	0	0.0%	34	0.1%
	Black	991	96.0%	39	3.8%	0	0.0%	0	0.0%	2	0.2%
	Latino	8,968	94.7%	486	5.1%	1	0.0%	0	0.0%	16	0.2%
	AAPI	5,136	96.4%	185	3.5%	0	0.0%	0	0.0%	4	0.1%
	Other	3,386	95.4%	158	4.4%	1	0.0%	0	0.0%	5	0.1%
Yuba	Total	11,268	90.1%	3	0.0%	1,219	9.7%	0	0.0%	16	0.1%
	White	7,854	89.9%	2	0.0%	870	10.0%	0	0.0%	11	0.1%
	Black	329	92.7%	0	0.0%	26	7.3%	0	0.0%	0	0.0%
	Latino	1,646	90.6%	1	0.1%	167	9.2%	0	0.0%	3	0.2%
	AAPI	450	92.6%	0	0.0%	35	7.2%	0	0.0%	1	0.2%
	Other	989	89.0%	0	0.0%	121	10.9%	0	0.0%	1	0.1%

Takeaways

Voters in VCA counties represented approximately 16.7 million, or 76.4%, of the 21.9 million statewide registered voters. The remaining 5.2 million, or 23.6%, of California statewide voters, come from non-VCA counties. California has a diverse electorate, with more than half of the state’s registered voters collectively represented by communities of color such as Latino, AAPI, Black, and all ‘other’ non-white voters. Regardless of categorization, California statewide, non-VCA counties, or VCA counties, voters of color comprise the majority of the state’s registered electorate. Across the mentioned categories, white voters made up most of the registered voters, followed by Latino voters, then AAPI voters, next black voters, and finally, all ‘other’ voters.

More than 7.2 million voters participated in the 2022 Primary Election in California. Of those that voted, approximately 5.5 million, or 76.5%, of statewide ballots came from voters in VCA counties. The remaining nearly 1.7 million, or 23.5%, of ballots came from non-VCA counties. Unlike the distribution of registered electorate, voters estimated to be white comprised more than half of the ballots cast statewide, and in non-VCA and VCA counties.

Theoretically, one determinant of equitable voting practices should be that groups represented the same percentage of registered voters and ballots cast. For example, if 40.0% of the registered electorate is comprised of voters estimated to be white, then 40.0% of statewide ballots should be cast by white voters. Any percentage lower would indicate underrepresentation and low engagement, and any percentage higher would indicate overrepresentation – meaning that other groups are underrepresented. With that explained, California has an overrepresentation of white voters and an underrepresentation of Latino, AAPI, and Black voters. Most notably, Latinos are underrepresented by approximately 10-points in their percentage of ballots cast relative to their representation of registered voters.

Across the state, there was a 33% turnout rate during the 2022 Primary Election. There was a slight variation across county categorization, with a 32.9% turnout rate in non-VCA counties and a 33.1% turnout rate in VCA counties. On average, voters estimated to be white had a turnout rate in the forty-four percentage. Latino, AAPI, Black, had turnout rates lower than the statewide, non-VCA, and VCA counties' averages. Most notably, voters estimated to be Latino had the lowest turnout rate of any group and routinely fell nearly 10-points lower than collective averages.

Regardless of statewide, non-VCA, or VCA categorization, the vast majority – 90% or above – of voters across the state utilized vote-by-mail to participate in the 2022 primary. There is a slight observable pattern with Latino and Black voters casting ballots in person at polling places and voter centers. Latino and Black voters used in-person voting at 1- to 3.5-points higher rates than their white, AAPI, and 'other' counterparts.

Asian American and Pacific Islander (AAPI) Subethnicities

Using self-reported data and AAPI subethnic modeling, we analyzed the AAPI electorate by subethnic groups, including Chinese, Filipino, Indian, Japanese, Korean, Vietnamese, and ‘Other’ groups. We provide data on each of the fifty-eight California counties and group counties into categories of ‘statewide,’ non-VCA, VCA (including Los Angeles), and VCA (excluding Los Angeles). Our AAPI subethnic modeling is covered in greater detail in the methodology section of this report.

As shown in Table 5 below, more than 970 thousand registered voters were estimated to be Chinese, or 26.3% of all AAPI registered voters, at the time of the 2022 Primary Election. Approximately 611 thousand, or 16.6%, statewide AAPI registered voters were estimated to be Filipino. The third largest estimated AAP subethnic group was Indian voters, representing 539 thousand, or 14.6%, of California’s registered AAPI electorate. Voters estimated to be Vietnamese made up nearly 525 thousand, or 14.2%. Voters estimated to be Korean comprised 293 thousand, or 7.9%, of the state’s registered AAPI voters. At the time of the 2022 Primary Election, voters estimated to be Japanese accounted for 163 thousand, or 4.4%, of statewide AAPI voters. ‘Other’ voters, which include individuals estimated to be Pacific Islanders or any other AAPI subethnic group not explicitly listed, were nearly 588 thousand, or 15.9%, of all registered AAPI voters.

Table 5 shows that, in non-VCA counties, approximately 198 thousand, or 30.4% of registered AAPI voters, were estimated to be Chinese. Across the non-VCA counties, 134 thousand, or 20.6%, of AAPI voters were estimated to be Filipino. Voters estimated to be Indian represented 109 thousand, or 16.8%, of the non-VCA registered AAPI electorate. More than 48 thousand, or 7.4%, of non-VCA AAPI registered voters were Vietnamese. Voters estimated to be Korean accounted for 30 thousand, or 4.7%, of the non-VCA AAPI electorate. Voters are estimated to be Japanese made up 22 thousand, or 3.5%, of AAPI registered voters. All ‘other’ AAPI voters comprised the final 107 thousand, or 16.5% of non-VCA AAPI registered voters.

AAPI subethnic totals for VCA counties are shown in Table 5 below As of the 2022 Primary Election, 771 thousand, or 25.4% of AAPI registered voters, were estimated to be Chinese. Voters estimated to be Filipino accounted for 476 thousand, or 15.7%, of all VCA AAPI voters. Approximately 429 thousand, or 14.1%, of all AAPI registered voters were estimated to be Indian. Voters estimated as Vietnamese comprised 477 thousand, or 15.7%, of all VCA AAPI registered voters. Korean voters were estimated to make up over 262 thousand, or 8.6%, of VCA AAPI registered voters. Voters estimated to be Japanese made up 140 thousand, or 4.6%, of the registered AAPI electorate in VCA counties. All ‘other’ AAPI voters accounted for the remaining 480 thousand, or 15.8%, of AAPI voters in VCA counties.

Table 5: Registered Voters by AAPI Subethnic Group

Jurisdiction	Chinese		Filipino		Indian		Vietnamese		Korean		Japanese		Other	
Statewide	970,122	26.3%	611,171	16.6%	539,170	14.6%	525,588	14.2%	293,356	7.9%	163,069	4.4%	588,025	15.9%

Jurisdiction	Chinese		Filipino		Indian		Vietnamese		Korean		Japanese		Other	
Non-VCA	198,204	30.4%	134,546	20.6%	109,814	16.8%	48,318	7.4%	30,664	4.7%	22,927	3.5%	107,398	16.5%
VCA (Including Los Angeles)	771,917	25.4%	476,625	15.7%	429,356	14.1%	477,269	15.7%	262,692	8.6%	140,142	4.6%	480,628	15.8%
VCA (Excluding Los Angeles)	516,584	23.9%	336,846	15.6%	359,844	16.6%	397,824	18.4%	142,484	6.6%	86,778	4.0%	322,663	14.9%
Alameda*	117,207	33.9%	50,897	14.7%	79,792	23.1%	31,377	9.1%	13,697	4.0%	8,619	2.5%	43,912	12.7%
Alpine	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2	100.0%
Amador*	35	14.0%	60	24.3%	15	6.0%	12	4.7%	7	2.9%	14	5.5%	105	42.5%
Butte*	905	16.8%	517	9.6%	656	12.1%	240	4.4%	215	4.0%	224	4.2%	2,641	48.9%
Calaveras*	83	16.7%	142	28.6%	29	5.8%	22	4.4%	24	4.8%	30	6.1%	167	33.5%
Colusa	6	4.7%	17	13.3%	46	36.0%	4	3.1%	0	0.0%	1	0.8%	54	42.0%
Contra Costa	35,902	26.3%	29,266	21.4%	29,291	21.4%	8,309	6.1%	6,365	4.7%	5,415	4.0%	22,023	16.1%
Del Norte	54	15.7%	40	11.5%	26	7.4%	42	12.0%	29	8.4%	16	4.5%	141	40.5%
El Dorado*	1,174	18.6%	1,079	17.1%	1,435	22.7%	481	7.6%	400	6.3%	305	4.8%	1,447	22.9%
Fresno*	7,854	14.0%	5,356	9.6%	15,474	27.6%	3,040	5.4%	1,338	2.4%	2,881	5.1%	20,121	35.9%
Glenn	14	5.9%	28	11.5%	45	18.3%	12	4.7%	5	2.1%	6	2.6%	134	54.9%
Humboldt	359	20.7%	219	12.6%	149	8.6%	123	7.1%	84	4.9%	113	6.5%	685	39.5%
Imperial	236	26.4%	110	12.3%	169	18.9%	48	5.3%	88	9.9%	27	3.1%	216	24.2%
Inyo	26	16.7%	23	14.9%	31	19.5%	4	2.7%	9	5.8%	22	13.7%	42	26.7%
Kern	1,693	8.1%	5,606	26.8%	7,063	33.8%	1,253	6.0%	918	4.4%	425	2.0%	3,936	18.8%
Kings*	186	8.8%	855	40.6%	247	11.7%	98	4.7%	43	2.0%	137	6.5%	540	25.6%
Lake	67	15.0%	88	19.9%	44	10.0%	31	7.0%	21	4.8%	26	5.8%	167	37.6%
Lassen	41	24.7%	23	13.7%	14	8.6%	5	3.2%	7	4.0%	5	2.9%	71	42.9%
Los Angeles*	255,333	29.2%	139,779	16.0%	69,512	7.9%	79,445	9.1%	120,209	13.7%	53,364	6.1%	157,965	18.0%
Madera*	195	10.0%	229	11.7%	854	43.6%	65	3.3%	41	2.1%	79	4.0%	497	25.3%
Marin*	3,301	29.4%	936	8.3%	1,659	14.8%	1,056	9.4%	877	7.8%	914	8.2%	2,468	22.0%
Mariposa*	30	21.9%	18	13.4%	14	9.9%	6	4.8%	12	8.8%	11	8.0%	45	33.3%
Mendocino	209	25.6%	111	13.6%	106	13.0%	76	9.4%	47	5.7%	35	4.3%	231	28.4%
Merced*	1,143	11.6%	1,112	11.3%	3,310	33.6%	434	4.4%	283	2.9%	207	2.1%	3,359	34.1%
Modoc	3	7.1%	12	29.5%	1	2.5%	0	0.0%	1	2.5%	1	2.5%	23	56.0%
Mono	21	16.0%	14	10.4%	5	4.1%	15	11.3%	7	5.2%	19	14.6%	50	38.4%
Monterey	1,639	12.1%	3,747	27.7%	1,546	11.4%	1,187	8.8%	1,190	8.8%	1,151	8.5%	3,078	22.7%
Napa*	583	8.8%	3,261	49.0%	760	11.4%	367	5.5%	173	2.6%	235	3.5%	1,273	19.1%
Nevada*	198	24.5%	88	10.8%	49	6.0%	33	4.1%	46	5.6%	121	15.0%	275	34.0%
Orange*	86,050	17.1%	47,813	9.5%	48,529	9.7%	163,334	32.5%	67,658	13.5%	24,035	4.8%	65,088	13.0%
Placer	3,793	13.3%	6,457	22.6%	7,596	26.5%	2,061	7.2%	1,186	4.1%	1,403	4.9%	6,120	21.4%

Jurisdiction	Chinese		Filipino		Indian		Vietnamese		Korean		Japanese		Other	
Plumas	24	21.9%	15	14.3%	7	6.7%	3	2.8%	1	0.6%	7	6.3%	51	47.4%
Riverside*	13,416	14.8%	24,746	27.3%	12,789	14.1%	11,139	12.3%	6,367	7.0%	3,132	3.5%	18,981	21.0%
Sacramento*	30,287	18.6%	26,386	16.2%	34,104	21.0%	25,598	15.7%	4,914	3.0%	7,066	4.3%	34,298	21.1%
San Benito*	131	9.1%	499	34.4%	152	10.5%	154	10.6%	65	4.5%	122	8.4%	327	22.6%
San Bernardino	23,224	24.1%	21,816	22.7%	11,980	12.5%	10,137	10.5%	8,481	8.8%	2,880	3.0%	17,655	18.4%
San Diego*	42,112	17.2%	68,414	28.0%	25,949	10.6%	38,023	15.5%	13,680	5.6%	10,201	4.2%	46,264	18.9%
San Francisco	115,086	57.6%	20,452	10.2%	13,846	6.9%	14,936	7.5%	8,298	4.2%	6,298	3.2%	20,782	10.4%
San Joaquin	6,641	9.7%	18,413	26.8%	21,256	30.9%	5,982	8.7%	1,215	1.8%	1,605	2.3%	13,610	19.8%
San Luis Obispo	892	17.1%	1,005	19.2%	588	11.2%	379	7.2%	365	7.0%	463	8.9%	1,538	29.4%
San Mateo*	60,277	39.9%	38,907	25.7%	16,216	10.7%	5,281	3.5%	5,597	3.7%	5,704	3.8%	19,258	12.7%
Santa Barbara	2,657	21.5%	2,322	18.8%	1,250	10.1%	1,099	8.9%	958	7.8%	1,080	8.8%	2,973	24.1%
Santa Clara*	134,432	28.4%	50,584	10.7%	97,852	20.7%	109,526	23.2%	22,247	4.7%	17,038	3.6%	41,103	8.7%
Santa Cruz*	1,589	24.0%	954	14.4%	880	13.3%	370	5.6%	422	6.4%	860	13.0%	1,539	23.3%
Shasta	493	18.7%	392	14.8%	417	15.8%	161	6.1%	120	4.5%	144	5.4%	915	34.6%
Sierra	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	18.5%	4	81.5%
Siskiyou	153	24.0%	155	24.3%	18	2.8%	3	0.5%	16	2.5%	19	2.9%	274	43.0%
Solano	3,517	8.4%	21,693	51.8%	4,738	11.3%	1,853	4.4%	861	2.1%	1,109	2.6%	8,089	19.3%
Sonoma*	2,675	21.5%	1,771	14.2%	1,772	14.3%	1,589	12.8%	831	6.7%	935	7.5%	2,858	23.0%
Stanislaus*	1,660	9.1%	1,866	10.3%	7,231	39.9%	1,205	6.6%	361	2.0%	368	2.0%	5,453	30.1%
Sutter	222	2.2%	353	3.5%	7,987	78.4%	94	0.9%	89	0.9%	160	1.6%	1,286	12.6%
Tehama	41	11.2%	53	14.5%	57	15.5%	33	8.9%	8	2.2%	22	6.1%	153	41.7%
Trinity	59	22.2%	10	3.9%	4	1.5%	0	0.0%	3	1.0%	2	0.8%	187	70.6%
Tulare	712	11.4%	1,720	27.5%	1,134	18.1%	323	5.2%	259	4.1%	363	5.8%	1,755	28.0%
Tuolumne*	50	14.1%	112	31.8%	24	6.9%	4	1.0%	17	4.8%	36	10.2%	110	31.3%
Ventura*	6,764	17.8%	8,747	23.0%	6,510	17.1%	3,357	8.8%	2,398	6.3%	2,681	7.0%	7,591	20.0%
Yolo*	4,247	28.6%	1,497	10.1%	3,545	23.9%	1,014	6.8%	769	5.2%	824	5.6%	2,942	19.8%
Yuba	422	15.9%	385	14.5%	401	15.2%	145	5.5%	33	1.2%	110	4.2%	1,152	43.5%

In Table 6 below, we observe that 304 thousand ballots, or 27.6% of all ballots cast by AAPI voters, were cast by voters estimated to be Chinese. During the 2022 Primary Election, approximately 169 thousand, or 15.4%, of ballots cast by statewide AAPI registered voters were estimated to come from Filipino voters. Voters estimated to be Indian represented 140 thousand, or 12.7%, of ballots cast by statewide AAPI voters. Approximately 141 thousand, or 12.8% of ballots cast by AAPI voters, were estimated to be Vietnamese. Voters estimated to be Korean comprised 80 thousand, or 7.3%, of the state’s AAPI ballots cast. During the 2022 Primary Election, voters estimated to be Japanese accounted for 69 thousand, or 6.3%, of statewide AAPI ballots cast. All ‘Other’ AAPI subethnic voters made up the resulting 198 thousand, or 18%, of all registered AAPI voters.

Table 6 shows that, in non-VCA counties, approximately 74 thousand, or 36.3% of ballots cast by AAPI voters, were estimated to be Chinese. Across the non-VCA counties, 36 thousand, or 17.8%, of ballots cast by AAPI voters were estimated to be Filipino. Voters estimated to be Indian represented 26 thousand, or 12.7%, of the non-VCA registered AAPI ballots cast. Over 12 thousand, or 6.2%, of non-VCA AAPI ballots cast were from Vietnamese voters. Voters estimated to be Korean accounted for 8 thousand, or 4.1%, of the non-VCA AAPI ballots cast. Voters are estimated to be Japanese made up 10 thousand, or 5.0% of ballots cast by AAPI voters. All ‘other’ AAPI voters comprised the final 36 thousand, or 17.9% of non-VCA AAPI ballots cast.

AAPI subethnic totals for VCA counties are shown in Table 5 below. During the 2022 Primary Election, 230 thousand, or 25.6% of ballots cast from AAPI voters, were from voters estimated to be Chinese. Voters estimated to be Filipino accounted for 133 thousand, or 14.8%, of all ballots cast from AAPI voters in VCA counties. Approximately 114 thousand, or 12.7%, of all ballots cast from AAPI voters were estimated to be from Indian voters. Voters estimated as Vietnamese made up 128 thousand, or 14.3%, of all ballots cast from AAPI voters in VCA counties. Korean voters were estimated to make up over 72 thousand, or 8.0%, of VCA ballots cast from AAPI voters. Voters estimated to be Japanese made up 58 thousand, or 6.6%, of the ballots cast from the AAPI electorate in VCA counties. All ‘other’ AAPI subethnic voters accounted for the remaining 162 thousand, or 18.0%, of ballots cast from AAPI voters in VCA counties.

Table 6: Ballots Cast by AAPI Subethnic Group

Jurisdiction	Chinese		Filipino		Indian		Vietnamese		Korean		Japanese		Other	
Statewide	304,438	27.6%	169,487	15.4%	140,072	12.7%	141,420	12.8%	80,630	7.3%	69,139	6.3%	198,605	18.0%
Non-VCA	74,146	36.3%	36,486	17.8%	26,027	12.7%	12,577	6.2%	8,392	4.1%	10,176	5.0%	36,610	17.9%
VCA (Including Los Angeles)	230,292	25.6%	133,001	14.8%	114,045	12.7%	128,843	14.3%	72,238	8.0%	58,963	6.6%	161,995	18.0%
VCA (Excluding Los Angeles)	163,959	25.0%	95,355	14.5%	95,926	14.6%	112,203	17.1%	40,541	6.2%	37,295	5.7%	111,554	17.0%
Alameda*	34,261	35.9%	13,230	13.9%	18,703	19.6%	6,949	7.3%	3,415	3.6%	3,695	3.9%	15,245	16.0%
Alpine	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	100.0%
Amador*	15	11.6%	33	25.0%	7	5.0%	3	2.7%	5	3.8%	8	6.3%	60	45.5%
Butte*	215	16.7%	145	11.3%	108	8.4%	36	2.8%	54	4.2%	80	6.2%	649	50.4%
Calaveras*	36	16.1%	65	29.5%	11	5.0%	9	4.1%	7	3.2%	19	8.6%	74	33.4%
Colusa	3	7.3%	4	10.8%	10	24.9%	0	0.0%	0	0.0%	1	2.5%	22	54.5%
Contra Costa	11,291	28.9%	7,810	20.0%	6,490	16.6%	1,841	4.7%	1,550	4.0%	2,478	6.3%	7,672	19.6%
Del Norte	10	11.0%	14	15.9%	4	4.4%	5	5.7%	6	7.1%	7	7.5%	42	48.4%
El Dorado*	418	19.5%	360	16.8%	349	16.3%	127	5.9%	124	5.8%	161	7.5%	607	28.3%
Fresno*	1,662	14.1%	1,198	10.2%	2,622	22.3%	539	4.6%	254	2.2%	1,127	9.6%	4,369	37.1%
Glenn	4	7.2%	10	18.2%	12	21.7%	1	1.8%	2	3.6%	0	0.2%	26	47.3%

Jurisdiction	Chinese		Filipino		Indian		Vietnamese		Korean		Japanese		Other	
Humboldt	77	16.0%	55	11.4%	31	6.4%	19	3.9%	23	4.7%	40	8.2%	237	49.3%
Imperial	52	23.4%	30	13.6%	37	16.4%	12	5.5%	18	8.0%	8	3.4%	67	29.8%
Inyo	13	19.9%	10	15.7%	4	5.3%	2	2.3%	5	7.6%	12	18.5%	20	30.8%
Kern	479	9.7%	1,409	28.7%	1,271	25.9%	278	5.7%	229	4.7%	162	3.3%	1,080	22.0%
Kings*	48	8.7%	184	33.3%	69	12.6%	17	3.1%	14	2.6%	48	8.7%	171	31.0%
Lake	22	15.2%	30	20.3%	7	4.7%	9	6.1%	10	6.9%	13	8.7%	56	38.1%
Lassen	10	22.7%	5	9.9%	0	0.0%	0	0.4%	2	4.8%	1	1.4%	28	60.8%
Los Angeles*	66,333	27.3%	37,646	15.5%	18,119	7.5%	16,640	6.9%	31,697	13.1%	21,668	8.9%	50,440	20.8%
Madera*	63	11.7%	74	13.7%	173	31.9%	7	1.3%	11	2.1%	37	6.8%	176	32.5%
Marin*	1,357	29.3%	336	7.3%	579	12.5%	320	6.9%	313	6.8%	504	10.9%	1,214	26.3%
Mariposa*	18	30.0%	6	9.3%	5	8.2%	1	2.1%	4	6.6%	5	8.7%	21	35.1%
Mendocino	64	24.4%	35	13.4%	25	9.5%	12	4.7%	20	7.7%	11	4.4%	94	36.0%
Merced*	228	11.3%	245	12.2%	616	30.6%	65	3.2%	45	2.2%	84	4.2%	733	36.4%
Modoc	2	9.8%	4	20.2%	1	5.0%	0	0.0%	1	5.0%	1	5.0%	11	54.9%
Mono	10	19.3%	6	10.3%	1	2.2%	4	8.0%	3	6.2%	12	21.9%	17	32.2%
Monterey	539	13.2%	1,037	25.4%	326	8.0%	261	6.4%	318	7.8%	523	12.8%	1,077	26.4%
Napa*	218	10.9%	888	44.3%	160	8.0%	91	4.5%	57	2.8%	116	5.8%	475	23.7%
Nevada*	86	24.1%	34	9.5%	19	5.4%	9	2.5%	16	4.5%	61	17.0%	133	37.0%
Orange*	26,089	16.5%	14,442	9.1%	13,432	8.5%	50,323	31.8%	20,170	12.8%	9,725	6.1%	23,967	15.2%
Placer	1,404	14.5%	2,056	21.3%	1,973	20.4%	579	6.0%	405	4.2%	676	7.0%	2,557	26.5%
Plumas	9	20.0%	7	16.7%	0	1.0%	0	0.0%	1	1.5%	2	4.0%	25	56.8%
Riverside*	3,134	14.0%	5,870	26.3%	2,973	13.3%	2,328	10.4%	1,403	6.3%	1,116	5.0%	5,518	24.7%
Sacramento*	10,358	20.5%	8,240	16.3%	8,458	16.8%	6,920	13.7%	1,552	3.1%	3,678	7.3%	11,211	22.2%
San Benito*	36	8.2%	128	29.2%	52	11.8%	38	8.7%	21	4.7%	55	12.6%	108	24.7%
San Bernardino	4,430	21.7%	4,772	23.4%	2,181	10.7%	1,854	9.1%	1,691	8.3%	858	4.2%	4,636	22.7%
San Diego*	12,820	18.1%	18,380	26.0%	7,238	10.2%	9,781	13.8%	3,554	5.0%	3,755	5.3%	15,287	21.6%
San Francisco	51,505	59.2%	8,126	9.3%	5,471	6.3%	5,720	6.6%	3,210	3.7%	3,244	3.7%	9,721	11.2%
San Joaquin	1,585	10.5%	4,359	28.8%	3,863	25.5%	1,134	7.5%	216	1.4%	701	4.6%	3,276	21.6%
San Luis Obispo	346	16.7%	376	18.2%	180	8.7%	96	4.6%	110	5.3%	230	11.1%	734	35.4%
San Mateo*	19,776	39.7%	11,804	23.7%	5,028	10.1%	1,443	2.9%	1,678	3.4%	2,421	4.9%	7,607	15.3%
Santa Barbara	806	20.0%	674	16.7%	366	9.1%	284	7.0%	254	6.3%	493	12.2%	1,153	28.6%
Santa Clara*	46,844	30.5%	15,128	9.8%	30,164	19.6%	31,279	20.4%	6,334	4.1%	7,837	5.1%	16,052	10.4%
Santa Cruz*	718	25.7%	326	11.7%	319	11.4%	110	3.9%	150	5.4%	420	15.0%	753	26.9%
Shasta	126	16.1%	96	12.2%	91	11.5%	31	4.0%	30	3.8%	68	8.6%	345	43.8%
Sierra	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2	100.0%
Siskiyou	75	26.1%	86	29.7%	4	1.5%	0	0.0%	5	1.8%	6	1.9%	113	39.0%

Jurisdiction	Chinese		Filipino		Indian		Vietnamese		Korean		Japanese		Other	
Solano	977	9.7%	4,939	49.1%	856	8.5%	352	3.5%	199	2.0%	363	3.6%	2,365	23.5%
Sonoma*	1,011	23.1%	596	13.6%	500	11.4%	378	8.6%	266	6.1%	460	10.5%	1,170	26.7%
Stanislaus*	423	10.2%	440	10.6%	1,367	32.8%	228	5.5%	89	2.1%	140	3.4%	1,478	35.5%
Sutter	69	2.0%	110	3.2%	2,621	76.8%	18	0.5%	30	0.9%	82	2.4%	483	14.2%
Tehama	11	10.2%	15	14.2%	2	2.3%	10	9.3%	3	2.8%	12	11.1%	53	50.1%
Trinity	10	16.4%	2	3.3%	3	4.9%	0	0.0%	1	2.1%	1	1.6%	44	71.6%
Tulare	156	12.4%	310	24.5%	150	11.9%	34	2.7%	41	3.2%	139	11.0%	434	34.3%
Tuolumne*	20	12.8%	49	30.7%	10	6.4%	2	1.4%	7	4.1%	23	14.4%	48	30.2%
Ventura*	2,450	18.5%	2,660	20.1%	1,993	15.1%	890	6.7%	749	5.7%	1,286	9.7%	3,213	24.3%
Yolo*	1,655	31.1%	495	9.3%	971	18.2%	308	5.8%	250	4.7%	432	8.1%	1,215	22.8%
Yuba	59	12.1%	98	20.2%	47	9.8%	20	4.0%	7	1.5%	35	7.2%	219	45.2%

Table 7 below shows the voter turnout rate by AAPI subethnic group. Voter turnout rates are calculated by dividing the number of ballots cast by the number of registered voters for each AAPI subethnic group.

Table 7 below shows statewide turnout rates for AAPI subethnic groups. Across all fifty-eight California counties, voters estimated to be AAPI had an overall turnout rate of 29.9%. Voters estimated to be Chinese had a turnout rate of approximately 31.4% of voters participating in the 2022 Primary Election. Voters estimated to be Filipino had a turnout rate of 27.7%. Voters estimated to be Indian had a turnout rate of 26%. Voters estimated to be Vietnamese had a turnout rate of 26.9% in the 2022 Primary Election. There was a 27.5% turnout rate among voters estimated to be Korean. Voters estimated to be Japanese had a turnout rate of 42.4% during the 2022 Primary Election. All ‘other’ AAPI voters had a turnout rate of 33.8% across the state.

Below in Table 7 are AAPI subethnic turnout rates for non-VCA counties. Turnout in non-VCA counties for all AAPI voters was slightly higher in non-VCA counties than statewide and VCA turnout rates. Across all thirty-one non-VCA counties, AAPI voters had an overall turnout rate of 31.4%. Voters estimated to be Chinese had a turnout rate of approximately 37.4% of voters participating in the 2022 Primary Election. Voters estimated to be Filipino had a turnout of 27.1% during the 2022 Primary Election. Voters estimated to be Indian had a turnout rate of 23.7%. Voters estimated to be Vietnamese had a turnout rate of 26% in the 2022 Primary Election. Korean-estimated voters had a turnout rate of 27.4%. Among voters estimated to be Japanese, there was a 44.4% turnout rate. All ‘other’ AAPI voters had a turnout rate of 34.1% in non-VCA counties.

In Table 7 are turnout rates for VCA counties. Across all thirty-one VCA counties, AAPI voters had an overall turnout rate of 29.9%. Voters estimated to be Chinese had a turnout rate of approximately 29.8% of voters participating in the 2022 Primary Election. Filipino-estimated voters had a turnout of 27.9% during the 2022 Primary Election. Voters estimated to be Indian had a turnout rate of 26.6%. Voters estimated to be Vietnamese had a turnout rate of 27% in the 2022 Primary Election. There was a 27.5% turnout rate among voters estimated to be Korean. Voters estimated to be Japanese had a turnout rate of 42.1% during the primary. All ‘other’ voters had a turnout rate of 33.7% across VCA counties.

Table 7: Turnout by AAPI Subethnic Group

Jurisdiction	Total AAPI	Chinese	Filipino	Indian	Vietnamese	Korean	Japanese	Other
Statewide	29.9%	31.4%	27.7%	26.0%	26.9%	27.5%	42.4%	33.8%
Non-VCA	31.4%	37.4%	27.1%	23.7%	26.0%	27.4%	44.4%	34.1%
VCA (Including Los Angeles)	29.6%	29.8%	27.9%	26.6%	27.0%	27.5%	42.1%	33.7%
VCA (Excluding Los Angeles)	30.4%	31.7%	28.3%	26.7%	28.2%	28.5%	43.0%	34.6%
Alameda*	27.6%	29.2%	23.4%	26.0%	42.9%	24.9%	22.1%	34.7%
Alpine	68.0%	-	-	-	-	-	-	68.0%
Amador*	52.7%	43.6%	44.4%	54.2%	61.2%	69.4%	29.8%	56.4%
Butte*	23.8%	23.8%	16.5%	28.0%	35.9%	24.9%	14.8%	24.6%
Calaveras*	44.4%	42.8%	37.9%	45.8%	63.1%	29.9%	41.8%	44.3%
Colusa	31.3%	47.9%	21.7%	25.4%	100.0%	-	0.0%	40.7%
Contra Costa	28.7%	31.5%	22.2%	26.7%	45.8%	24.3%	22.2%	34.8%
Del Norte	25.2%	17.7%	15.0%	34.9%	41.6%	21.1%	11.9%	30.1%
El Dorado*	33.9%	35.6%	24.4%	33.3%	52.8%	30.9%	26.5%	41.9%
Fresno*	21.0%	21.2%	16.9%	22.4%	39.1%	19.0%	17.7%	21.7%
Glenn	22.8%	28.1%	27.0%	36.2%	1.4%	40.0%	8.7%	19.6%
Humboldt	27.7%	21.4%	20.8%	25.0%	35.0%	27.1%	15.3%	34.6%
Imperial	25.1%	22.2%	21.7%	27.8%	27.5%	20.2%	26.0%	30.9%
Inyo	42.0%	50.1%	11.4%	44.1%	56.7%	54.7%	35.9%	48.4%
Kern	23.5%	28.3%	18.0%	25.1%	38.1%	24.9%	22.2%	27.4%
Kings*	26.2%	26.0%	28.1%	21.5%	35.2%	34.0%	17.7%	31.7%
Lake	33.3%	33.6%	15.6%	34.0%	49.8%	48.3%	29.0%	33.8%
Lassen	27.7%	25.5%	0.0%	19.9%	13.6%	33.1%	3.6%	39.2%
Los Angeles*	27.7%	26.0%	26.1%	26.9%	40.6%	26.4%	20.9%	31.9%
Madera*	27.6%	32.5%	20.2%	32.2%	46.7%	27.7%	11.0%	35.4%
Marin*	41.2%	41.1%	34.9%	35.9%	55.2%	35.7%	30.3%	49.2%
Mariposa*	44.7%	61.4%	37.0%	31.0%	48.8%	33.3%	20.0%	47.2%
Mendocino	32.0%	30.4%	23.4%	31.4%	32.5%	43.2%	16.0%	40.6%
Merced*	20.5%	19.9%	18.6%	22.0%	40.6%	15.7%	15.0%	21.8%
Modoc	48.8%	67.5%	100.0%	33.3%	100.0%	100.0%	-	47.8%
Mono	41.2%	49.6%	21.6%	41.0%	61.9%	48.9%	29.3%	34.5%
Monterey	30.2%	32.9%	21.1%	27.7%	45.5%	26.7%	22.0%	35.0%

Jurisdiction	Total AAPI	Chinese	Filipino	Indian	Vietnamese	Korean	Japanese	Other
Napa*	30.1%	37.4%	21.0%	27.2%	49.3%	32.6%	24.6%	37.3%
Nevada*	44.4%	43.7%	40.0%	38.8%	50.4%	35.2%	27.6%	48.3%
Orange*	31.5%	30.3%	27.7%	30.2%	40.5%	29.8%	30.8%	36.8%
Placer	33.7%	37.0%	26.0%	31.8%	48.2%	34.1%	28.1%	41.8%
Plumas	40.6%	37.1%	5.9%	47.4%	25.8%	100.0%	0.0%	48.7%
Riverside*	24.7%	23.4%	23.2%	23.7%	35.6%	22.0%	20.9%	29.1%
Sacramento*	31.0%	34.2%	24.8%	31.2%	52.1%	31.6%	27.0%	32.7%
San Benito*	30.3%	27.4%	34.3%	25.7%	45.4%	31.9%	24.8%	33.1%
San Bernardino	21.2%	19.1%	18.2%	21.9%	29.8%	19.9%	18.3%	26.3%
San Diego*	28.9%	30.4%	27.9%	26.9%	36.8%	26.0%	25.7%	33.0%
San Francisco	43.6%	44.8%	39.5%	39.7%	51.5%	38.7%	38.3%	46.8%
San Joaquin	22.0%	23.9%	18.2%	23.7%	43.7%	17.8%	19.0%	24.1%
San Luis Obispo	39.6%	38.8%	30.6%	37.4%	49.6%	30.0%	25.3%	47.7%
San Mateo*	32.9%	32.8%	31.0%	30.3%	42.4%	30.0%	27.3%	39.5%
Santa Barbara	32.7%	30.3%	29.3%	29.0%	45.7%	26.5%	25.8%	38.8%
Santa Clara*	32.5%	34.8%	30.8%	29.9%	46.0%	28.5%	28.6%	39.1%
Santa Cruz*	42.3%	45.2%	36.2%	34.2%	48.8%	35.5%	29.9%	48.9%
Shasta	29.8%	25.7%	21.8%	24.6%	47.2%	25.3%	19.3%	37.7%
Sierra	39.9%	-	-	-	0.0%	-	-	48.9%
Siskiyou	45.4%	49.3%	24.0%	55.6%	30.3%	32.1%	0.0%	41.3%
Solano	24.0%	27.8%	18.1%	22.8%	32.7%	23.1%	19.0%	29.2%
Sonoma*	35.2%	37.8%	28.2%	33.6%	49.1%	32.0%	23.8%	40.9%
Stanislaus*	23.0%	25.5%	18.9%	23.6%	38.2%	24.6%	18.9%	27.1%
Sutter	33.5%	31.1%	32.8%	31.1%	51.0%	33.7%	19.5%	37.6%
Tehama	29.0%	26.4%	4.3%	28.4%	52.9%	37.6%	30.4%	34.8%
Trinity	23.0%	16.9%	75.0%	19.3%	50.0%	48.3%	NA	23.3%
Tulare	20.2%	22.0%	13.3%	18.0%	38.2%	15.8%	10.5%	24.7%
Tuolumne*	45.0%	41.0%	41.5%	43.5%	63.7%	38.7%	63.1%	43.5%
Ventura*	34.8%	36.2%	30.6%	30.4%	48.0%	31.2%	26.5%	42.3%
Yolo*	35.9%	39.0%	27.4%	33.1%	52.4%	32.5%	30.4%	41.3%
Yuba	18.3%	13.9%	11.8%	25.5%	32.0%	22.2%	13.5%	19.0%

Table 8 below shows the voting methods used by AAPI subethnic groups during the 2022 Primary Election. Below, the table shows that vote-by-mail was the overall preferred method of voting for statewide AAPI voters (1.0 million or 93.6%) and preferred by Chinese (286 thousand or 94.1%), Indian (132 thousand or 94.4%), Filipino (159 thousand or 93.9%), Japanese (65 thousand or 94.2%), Korean (75 thousand or 93.9%), Vietnamese (133 thousand or 94.1%), and all 'other' AAPI voters (181 thousand or 91.1%) across California.

The next most utilized method was voting in person at a vote center, with 57 thousand or 5.2% of AAPI voters using the method statewide. Vote centers were commonly used by Chinese (13 thousand or 4.3%), Indian (6 thousand or 4.5%), Filipino (8 thousand or 4.8%), Japanese (3 thousand or 4.9%), Korean (4 thousand or 5.4%), Vietnamese (7 thousand or 5.3%), and all 'other' AAPI voters (14 thousand or 7.2%) across California. In-person voting at a polling place and casting a nonprovisional CVR and provisional CVR were utilized at much lower rates than vote-by-mail and vote centers. Nearly 12 thousand, or 1.1%, of AAPI voters cast a ballot in a polling place. Only 1,655 ballots were cast via a provisional CVR ballot. The remaining 53 ballots cast by AAPI voters statewide used non-provisional CVR ballots.

In Table 8 below, we see that, in non-VCA counties, vote-by-mail was the overall preferred method of voting for AAPI voters (192 thousand or 94.2%) and preferred by Chinese (70 thousand or 94.5%), Indian (24 thousand or 95.0%), Filipino (34 thousand or 94.7%), Japanese (9 thousand or 94.7%), Korean (7 thousand or 94.9%), Vietnamese (11 thousand or 94.5%), and all 'other' AAPI voters (33 thousand or 91.9%) across non-VCA counties. The next most utilized method was voting in person at a polling place, with 11 thousand or 5.7% of AAPI voters using the method in non-VCA. Polling places were commonly used by Chinese (4 thousand or 5.4%), Indian (1 thousand or 4.8%), Filipino (nearly 2 thousand or 5.2%), Japanese (535 or 5.3%), Korean (422 or 5.0%), Vietnamese (686 or 5.5%), and all 'other' AAPI voters (2 thousand or 7.9%) across California. In-person voting at a vote center and casting a nonprovisional CVR and provisional CVR were utilized at much lower rates than vote-by-mail and polling places.

Table 8 below shows that, in VCA counties, vote-by-mail was the preferred method of voting for AAPI voters (840 thousand or 93.5%) and preferred by Chinese (216 thousand or 94.1%), Indian (107 thousand or 94.2%), Filipino (124 thousand or 93.7%), Japanese (55 thousand or 94.2%), Korean (67 thousand or 93.8%), Vietnamese (121 thousand or 94.0%), and all 'other' AAPI voters (147 thousand or 91.0%) across VCA counties. The next most utilized method was voting in person at a vote center, with 57 thousand or 6.3% of AAPI voters using the method in VCA counties. Vote centers were commonly used by Chinese (13 thousand or 5.7%), Indian (6 thousand or 5.5%), Filipino (8 thousand or 6.1%), Japanese (3 thousand or 5.7%), Korean (4 thousand or 6.0%), Vietnamese (7 thousand or 5.8%), and all 'other' AAPI voters (14 thousand or 8.8%) across VCA counties. In-person voting at a polling place and casting a nonprovisional CVR and provisional CVR were utilized at much lower rates than vote-by-mail and vote centers. A total of 1,439, or 0.2%, of AAPI voters, voted using a provisional CVR.

Table 8: Voting Methods by AAPI Subethnic Group

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
Statewide	AAPI	1,033,271	93.6%	57,018	5.2%	11,793	1.1%	53	0.0%	1,655	0.1%
	Chinese	286,748	94.2%	13,222	4.3%	4,047	1.3%	7	0.0%	413	0.1%
	Indian	132,242	94.4%	6,248	4.5%	1,270	0.9%	13	0.0%	299	0.2%
	Filipino	159,221	93.9%	8,082	4.8%	1,921	1.1%	10	0.0%	253	0.1%
	Japanese	65,157	94.2%	3,372	4.9%	538	0.8%	5	0.0%	67	0.1%
	Korean	75,728	93.9%	4,343	5.4%	424	0.5%	1	0.0%	133	0.2%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	Vietnamese	133,052	94.1%	7,477	5.3%	691	0.5%	0	0.0%	200	0.1%
	Other	181,122	91.2%	14,274	7.2%	2,902	1.5%	16	0.0%	291	0.1%
Non-VCA	AAPI	192,463	94.2%	0	0.0%	11,731	5.7%	4	0.0%	216	0.1%
	Chinese	70,056	94.5%	0	0.0%	4,026	5.4%	0	0.0%	63	0.1%
	Indian	24,726	95.0%	0	0.0%	1,255	4.8%	0	0.0%	46	0.2%
	Filipino	34,537	94.7%	0	0.0%	1,911	5.2%	1	0.0%	37	0.1%
	Japanese	9,634	94.7%	0	0.0%	535	5.3%	2	0.0%	5	0.0%
	Korean	7,966	94.9%	0	0.0%	422	5.0%	0	0.0%	4	0.0%
	Vietnamese	11,882	94.5%	0	0.0%	686	5.5%	0	0.0%	9	0.1%
	Other	33,662	91.9%	0	0.0%	2,896	7.9%	1	0.0%	51	0.1%
VCA (Including Los Angeles)	AAPI	840,808	93.5%	57,018	6.3%	62	0.0%	49	0.0%	1,439	0.2%
	Chinese	216,692	94.1%	13,222	5.7%	21	0.0%	7	0.0%	350	0.2%
	Indian	107,517	94.3%	6,248	5.5%	15	0.0%	13	0.0%	252	0.2%
	Filipino	124,684	93.7%	8,082	6.1%	10	0.0%	9	0.0%	216	0.2%
	Japanese	55,523	94.2%	3,372	5.7%	3	0.0%	3	0.0%	62	0.1%
	Korean	67,762	93.8%	4,343	6.0%	3	0.0%	1	0.0%	129	0.2%
	Vietnamese	121,170	94.0%	7,477	5.8%	5	0.0%	0	0.0%	190	0.1%
	Other	147,461	91.0%	14,273	8.8%	6	0.0%	16	0.0%	240	0.1%
VCA (Excluding Los Angeles)	AAPI	624,653	95.1%	31,076	4.7%	56	0.0%	49	0.0%	998	0.2%
	Chinese	157,008	95.8%	6,689	4.1%	19	0.0%	7	0.0%	236	0.1%
	Indian	91,636	95.5%	4,063	4.2%	14	0.0%	13	0.0%	199	0.2%
	Filipino	90,923	95.4%	4,277	4.5%	8	0.0%	9	0.0%	137	0.1%
	Japanese	35,717	95.8%	1,536	4.1%	3	0.0%	3	0.0%	36	0.1%
	Korean	38,510	95.0%	1,960	4.8%	2	0.0%	1	0.0%	69	0.2%
	Vietnamese	106,314	94.8%	5,717	5.1%	4	0.0%	0	0.0%	167	0.1%
	Other	104,544	93.7%	6,835	6.1%	6	0.0%	15	0.0%	155	0.1%
Alameda*	AAPI	92,521	96.9%	2,800	2.9%	13	0.0%	0	0.0%	165	0.2%
	Chinese	33,265	97.1%	935	2.7%	4	0.0%	0	0.0%	57	0.2%
	Indian	18,051	96.5%	604	3.2%	3	0.0%	0	0.0%	45	0.2%
	Filipino	12,838	97.0%	373	2.8%	2	0.0%	0	0.0%	17	0.1%
	Japanese	3,613	97.8%	75	2.0%	1	0.0%	0	0.0%	6	0.2%
	Korean	3,335	97.6%	77	2.2%	0	0.0%	0	0.0%	3	0.1%
	Vietnamese	6,779	97.6%	163	2.3%	0	0.0%	0	0.0%	7	0.1%
	Other	14,640	96.0%	575	3.8%	2	0.0%	0	0.0%	29	0.2%
Alpine	AAPI	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Chinese	0	-	0	-	0	-	0	-	0	-
	Indian	0	-	0	-	0	-	0	-	0	-
	Filipino	0	-	0	-	0	-	0	-	0	-
	Japanese	0	-	0	-	0	-	0	-	0	-
	Korean	0	-	0	-	0	-	0	-	0	-
	Vietnamese	0	-	0	-	0	-	0	-	0	-

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	Other	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Amador*	AAPI	125	95.9%	5	4.0%	0	0.0%	0	0.1%	0	0.0%
	Chinese	15	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Indian	7	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	31	93.9%	2	6.1%	0	0.0%	0	0.0%	0	0.0%
	Japanese	7	87.9%	1	12.1%	0	0.0%	0	0.0%	0	0.0%
	Korean	5	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	57	96.1%	2	3.8%	0	0.0%	0	0.2%	0	0.0%
Butte*	AAPI	1,281	99.6%	6	0.4%	0	0.0%	0	0.0%	0	0.0%
	Chinese	213	98.8%	3	1.2%	0	0.0%	0	0.0%	0	0.0%
	Indian	108	99.7%	0	0.3%	0	0.0%	0	0.0%	0	0.0%
	Filipino	145	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	79	98.6%	1	1.4%	0	0.0%	0	0.0%	0	0.0%
	Korean	53	99.9%	0	0.1%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	36	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	647	99.8%	1	0.2%	0	0.0%	0	0.0%	0	0.0%
Calaveras*	AAPI	209	94.7%	11	4.8%	0	0.0%	1	0.5%	0	0.0%
	Chinese	34	95.2%	2	4.8%	0	0.0%	0	0.0%	0	0.0%
	Indian	11	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	61	94.2%	3	4.3%	0	0.0%	1	1.5%	0	0.0%
	Japanese	19	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	7	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	8	86.1%	1	13.9%	0	0.0%	0	0.0%	0	0.0%
	Other	69	93.3%	5	6.5%	0	0.0%	0	0.1%	0	0.1%
Colusa	AAPI	37	92.4%	0	0.0%	3	7.6%	0	0.0%	0	0.0%
	Chinese	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Indian	9	90.0%	0	0.0%	1	10.0%	0	0.0%	0	0.0%
	Filipino	4	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	0	-	0	-	0	-	0	-	0	-
	Vietnamese	0	-	0	-	0	-	0	-	0	-
	Other	20	90.6%	0	0.0%	2	9.4%	0	0.0%	0	0.0%
Contra Costa	AAPI	37,552	96.0%	0	0.0%	1,542	3.9%	0	0.0%	38	0.1%
	Chinese	10,890	96.4%	0	0.0%	392	3.5%	0	0.0%	9	0.1%
	Indian	6,253	96.3%	0	0.0%	224	3.5%	0	0.0%	14	0.2%
	Filipino	7,523	96.3%	0	0.0%	282	3.6%	0	0.0%	4	0.1%
	Japanese	2,388	96.4%	0	0.0%	89	3.6%	0	0.0%	0	0.0%
	Korean	1,513	97.6%	0	0.0%	36	2.3%	0	0.0%	0	0.0%
	Vietnamese	1,743	94.7%	0	0.0%	96	5.2%	0	0.0%	2	0.1%
	Other	7,242	94.4%	0	0.0%	422	5.5%	0	0.0%	8	0.1%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
Del Norte	AAPI	82	93.9%	0	0.0%	5	5.8%	0	0.0%	0	0.2%
	Chinese	10	99.2%	0	0.0%	0	0.8%	0	0.0%	0	0.0%
	Indian	4	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	14	98.9%	0	0.0%	0	1.1%	0	0.0%	0	0.0%
	Japanese	7	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	6	97.7%	0	0.0%	0	2.3%	0	0.0%	0	0.0%
	Vietnamese	4	88.7%	0	0.0%	1	11.3%	0	0.0%	0	0.0%
	Other	38	89.7%	0	0.0%	4	9.8%	0	0.0%	0	0.5%
El Dorado*	AAPI	2,054	95.7%	86	4.0%	0	0.0%	2	0.1%	4	0.2%
	Chinese	396	94.9%	21	5.1%	0	0.0%	0	0.0%	0	0.0%
	Indian	332	95.0%	15	4.3%	0	0.0%	1	0.3%	1	0.4%
	Filipino	347	96.4%	11	3.0%	0	0.0%	1	0.3%	1	0.4%
	Japanese	159	98.8%	2	1.2%	0	0.0%	0	0.0%	0	0.0%
	Korean	121	97.7%	3	2.3%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	120	94.4%	7	5.5%	0	0.0%	0	0.0%	0	0.1%
	Other	578	95.3%	27	4.5%	0	0.0%	0	0.0%	1	0.2%
Fresno*	AAPI	11,158	94.8%	578	4.9%	0	0.0%	18	0.1%	19	0.2%
	Chinese	1,595	95.9%	63	3.8%	0	0.0%	4	0.2%	1	0.0%
	Indian	2,517	96.0%	92	3.5%	0	0.0%	4	0.2%	9	0.3%
	Filipino	1,128	94.2%	66	5.5%	0	0.0%	0	0.0%	4	0.3%
	Japanese	1,076	95.4%	50	4.5%	0	0.0%	1	0.1%	0	0.0%
	Korean	240	94.4%	14	5.6%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	503	93.3%	36	6.7%	0	0.0%	0	0.0%	0	0.0%
	Other	4,099	93.8%	257	5.9%	0	0.0%	7	0.2%	6	0.1%
Glenn	AAPI	55	98.1%	0	0.0%	1	1.8%	0	0.0%	0	0.0%
	Chinese	4	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Indian	12	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	10	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	0	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	25	96.0%	0	0.0%	1	3.8%	0	0.1%	0	0.0%
Humboldt	AAPI	444	92.4%	0	0.0%	35	7.4%	0	0.0%	1	0.2%
	Chinese	70	91.1%	0	0.0%	7	8.9%	0	0.0%	0	0.0%
	Indian	29	94.5%	0	0.0%	2	5.5%	0	0.0%	0	0.0%
	Filipino	50	91.9%	0	0.0%	3	6.3%	0	0.0%	1	1.8%
	Japanese	39	97.2%	0	0.0%	1	2.8%	0	0.0%	0	0.0%
	Korean	22	95.2%	0	0.0%	1	4.8%	0	0.0%	0	0.0%
	Vietnamese	18	94.7%	0	0.0%	1	5.3%	0	0.0%	0	0.0%
	Other	217	91.4%	0	0.0%	20	8.5%	0	0.0%	0	0.0%
Imperial	AAPI	217	96.6%	0	0.0%	8	3.4%	0	0.0%	0	0.0%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	Chinese	51	98.3%	0	0.0%	1	1.7%	0	0.0%	0	0.0%
	Indian	37	99.7%	0	0.0%	0	0.3%	0	0.0%	0	0.0%
	Filipino	28	93.4%	0	0.0%	2	6.6%	0	0.0%	0	0.0%
	Japanese	8	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	17	94.4%	0	0.0%	1	5.6%	0	0.0%	0	0.0%
	Vietnamese	12	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	63	94.6%	0	0.0%	4	5.4%	0	0.0%	0	0.0%
Inyo	AAPI	62	93.6%	0	0.0%	4	6.4%	0	0.0%	0	0.0%
	Chinese	11	83.4%	0	0.0%	2	16.6%	0	0.0%	0	0.0%
	Indian	3	96.6%	0	0.0%	0	3.4%	0	0.0%	0	0.0%
	Filipino	10	96.6%	0	0.0%	0	3.4%	0	0.0%	0	0.0%
	Japanese	12	97.1%	0	0.0%	0	2.9%	0	0.0%	0	0.0%
	Korean	5	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Kern	Other	19	93.9%	0	0.0%	1	6.1%	0	0.0%	0	0.0%
	AAPI	4,667	95.1%	0	0.0%	234	4.8%	0	0.0%	7	0.1%
	Chinese	456	95.3%	0	0.0%	22	4.7%	0	0.0%	0	0.0%
	Indian	1,234	97.0%	0	0.0%	35	2.7%	0	0.0%	3	0.2%
	Filipino	1,340	95.1%	0	0.0%	67	4.8%	0	0.0%	2	0.1%
	Japanese	154	95.2%	0	0.0%	8	4.8%	0	0.0%	0	0.0%
	Korean	214	93.4%	0	0.0%	15	6.6%	0	0.0%	0	0.0%
Kings*	Vietnamese	267	96.1%	0	0.0%	10	3.7%	0	0.0%	0	0.2%
	Other	1,002	92.8%	0	0.0%	77	7.1%	0	0.0%	2	0.1%
	AAPI	518	93.8%	34	6.2%	0	0.0%	0	0.0%	0	0.0%
	Chinese	46	95.5%	2	4.5%	0	0.0%	0	0.0%	0	0.0%
	Indian	68	98.4%	1	1.6%	0	0.0%	0	0.0%	0	0.0%
	Filipino	171	93.3%	12	6.7%	0	0.0%	0	0.0%	0	0.0%
	Japanese	45	92.8%	3	7.2%	0	0.0%	0	0.0%	0	0.0%
Lake	Korean	14	97.4%	0	2.6%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	15	87.4%	2	12.6%	0	0.0%	0	0.0%	0	0.0%
	Other	159	92.7%	12	7.3%	0	0.0%	0	0.0%	0	0.1%
	AAPI	140	94.9%	0	0.0%	7	5.0%	0	0.0%	0	0.0%
	Chinese	22	95.9%	0	0.0%	1	4.1%	0	0.0%	0	0.0%
	Indian	7	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	30	98.8%	0	0.0%	0	1.2%	0	0.0%	0	0.0%
Lassen	Japanese	13	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	9	90.2%	0	0.0%	1	9.8%	0	0.0%	0	0.0%
	Vietnamese	9	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	51	90.8%	0	0.0%	5	9.1%	0	0.0%	0	0.0%
	AAPI	44	96.7%	0	0.0%	1	3.2%	0	0.0%	0	0.0%
	Chinese	9	90.4%	0	0.0%	1	9.6%	0	0.0%	0	0.0%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	Indian	0	-	0	-	0	-	0	-	0	-
	Filipino	5	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	0	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	27	98.2%	0	0.0%	0	1.7%	0	0.0%	0	0.1%
Los Angeles*	AAPI	216,156	89.1%	25,942	10.7%	6	0.0%	0	0.0%	440	0.2%
	Chinese	59,684	90.0%	6,533	9.8%	2	0.0%	0	0.0%	114	0.2%
	Indian	15,881	87.6%	2,185	12.1%	0	0.0%	0	0.0%	53	0.3%
	Filipino	33,761	89.7%	3,804	10.1%	2	0.0%	0	0.0%	79	0.2%
	Japanese	19,806	91.4%	1,836	8.5%	0	0.0%	0	0.0%	26	0.1%
	Korean	29,252	92.3%	2,384	7.5%	1	0.0%	0	0.0%	61	0.2%
	Vietnamese	14,855	89.3%	1,761	10.6%	0	0.0%	0	0.0%	24	0.1%
	Other	42,917	85.1%	7,439	14.7%	0	0.0%	0	0.0%	85	0.2%
Madera*	AAPI	516	95.3%	21	3.9%	0	0.0%	0	0.0%	4	0.8%
	Chinese	62	98.5%	1	1.5%	0	0.0%	0	0.0%	0	0.0%
	Indian	163	94.7%	6	3.6%	0	0.0%	0	0.0%	3	1.7%
	Filipino	68	92.6%	4	6.1%	0	0.0%	0	0.0%	1	1.4%
	Japanese	37	99.5%	0	0.5%	0	0.0%	0	0.0%	0	0.0%
	Korean	10	91.2%	1	8.8%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	7	98.3%	0	1.7%	0	0.0%	0	0.0%	0	0.0%
	Other	167	95.0%	8	4.8%	0	0.0%	0	0.0%	0	0.2%
Marin*	AAPI	4,496	97.3%	123	2.7%	0	0.0%	0	0.0%	4	0.1%
	Chinese	1,327	97.8%	28	2.0%	0	0.0%	0	0.0%	2	0.1%
	Indian	563	97.3%	16	2.7%	0	0.0%	0	0.0%	0	0.0%
	Filipino	319	95.0%	17	5.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	497	98.6%	7	1.4%	0	0.0%	0	0.0%	0	0.0%
	Korean	309	98.7%	3	1.0%	0	0.0%	0	0.0%	1	0.3%
	Vietnamese	311	97.1%	9	2.9%	0	0.0%	0	0.0%	0	0.0%
	Other	1,169	96.3%	44	3.6%	0	0.0%	0	0.0%	1	0.1%
Mariposa*	AAPI	61	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Chinese	18	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Indian	5	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	6	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	5	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	4	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	21	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Mendocino	AAPI	254	97.5%	0	0.0%	7	2.5%	0	0.0%	0	0.0%
	Chinese	63	98.7%	0	0.0%	1	1.3%	0	0.0%	0	0.0%
	Indian	25	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	Filipino	33	94.3%	0	0.0%	2	5.7%	0	0.0%	0	0.0%
	Japanese	11	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	18	91.5%	0	0.0%	2	8.5%	0	0.0%	0	0.0%
	Vietnamese	12	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	92	97.8%	0	0.0%	2	2.2%	0	0.0%	0	0.0%
Merced*	AAPI	1,966	97.5%	47	2.3%	0	0.0%	0	0.0%	2	0.1%
	Chinese	220	96.3%	7	3.3%	0	0.0%	0	0.0%	1	0.4%
	Indian	605	98.3%	11	1.7%	0	0.0%	0	0.0%	0	0.0%
	Filipino	238	97.0%	6	2.6%	0	0.0%	0	0.0%	1	0.4%
	Japanese	82	97.6%	2	2.4%	0	0.0%	0	0.0%	0	0.0%
	Korean	45	99.8%	0	0.2%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	64	98.3%	1	1.7%	0	0.0%	0	0.0%	0	0.0%
	Other	713	97.3%	19	2.7%	0	0.0%	0	0.0%	0	0.0%
Modoc	AAPI	17	88.1%	0	0.0%	2	11.9%	0	0.0%	0	0.0%
	Chinese	1	48.7%	0	0.0%	1	51.3%	0	0.0%	0	0.0%
	Indian	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	4	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	0	0.0%	0	0.0%	1	100.0%	0	0.0%	0	0.0%
	Vietnamese	0	-	0	-	0	-	0	-	0	-
	Other	11	96.7%	0	0.0%	0	3.3%	0	0.0%	0	0.0%
Mono	AAPI	53	98.0%	0	0.0%	1	1.7%	0	0.0%	0	0.3%
	Chinese	10	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Indian	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	6	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	12	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	4	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	16	93.7%	0	0.0%	1	5.3%	0	0.0%	0	1.0%
Monterey	AAPI	3,961	97.0%	0	0.0%	115	2.8%	0	0.0%	6	0.1%
	Chinese	522	96.7%	0	0.0%	15	2.7%	0	0.0%	3	0.6%
	Indian	318	97.6%	0	0.0%	7	2.1%	0	0.0%	1	0.3%
	Filipino	1,004	96.8%	0	0.0%	32	3.1%	0	0.0%	1	0.1%
	Japanese	514	98.2%	0	0.0%	10	1.8%	0	0.0%	0	0.0%
	Korean	312	98.0%	0	0.0%	6	2.0%	0	0.0%	0	0.0%
	Vietnamese	257	98.5%	0	0.0%	4	1.5%	0	0.0%	0	0.0%
	Other	1,034	96.0%	0	0.0%	42	3.9%	0	0.0%	1	0.1%
Napa*	AAPI	1,962	97.9%	38	1.9%	0	0.0%	0	0.0%	3	0.2%
	Chinese	214	98.0%	3	1.5%	0	0.0%	0	0.0%	1	0.5%
	Indian	153	95.7%	6	3.7%	0	0.0%	0	0.0%	1	0.6%
	Filipino	868	97.7%	20	2.3%	0	0.0%	0	0.0%	0	0.0%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	Japanese	115	99.1%	0	0.0%	0	0.0%	0	0.0%	1	0.9%
	Korean	56	99.9%	0	0.1%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	89	98.6%	1	1.4%	0	0.0%	0	0.0%	0	0.0%
	Other	467	98.4%	7	1.5%	0	0.0%	0	0.1%	0	0.0%
Nevada*	AAPI	338	94.2%	21	5.8%	0	0.0%	0	0.0%	0	0.0%
	Chinese	85	98.2%	2	1.8%	0	0.0%	0	0.0%	0	0.0%
	Indian	17	89.3%	2	10.7%	0	0.0%	0	0.0%	0	0.0%
	Filipino	33	96.7%	1	3.3%	0	0.0%	0	0.0%	0	0.0%
	Japanese	56	91.9%	5	8.1%	0	0.0%	0	0.0%	0	0.0%
	Korean	15	93.8%	1	6.2%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	8	89.0%	1	11.0%	0	0.0%	0	0.0%	0	0.0%
	Other	124	93.1%	9	6.8%	0	0.0%	0	0.0%	0	0.1%
Orange*	AAPI	145,269	91.9%	12,604	8.0%	3	0.0%	0	0.0%	272	0.2%
	Chinese	23,988	91.9%	2,058	7.9%	1	0.0%	0	0.0%	42	0.2%
	Indian	12,358	92.0%	1,047	7.8%	1	0.0%	0	0.0%	26	0.2%
	Filipino	13,154	91.1%	1,260	8.7%	0	0.0%	0	0.0%	27	0.2%
	Japanese	8,954	92.1%	760	7.8%	0	0.0%	0	0.0%	10	0.1%
	Korean	18,809	93.3%	1,321	6.5%	0	0.0%	0	0.0%	41	0.2%
	Vietnamese	46,950	93.3%	3,280	6.5%	1	0.0%	0	0.0%	92	0.2%
	Other	21,056	87.9%	2,878	12.0%	0	0.0%	0	0.0%	33	0.1%
Placer	AAPI	9,165	95.0%	0	0.0%	478	5.0%	0	0.0%	7	0.1%
	Chinese	1,347	95.9%	0	0.0%	55	3.9%	0	0.0%	2	0.2%
	Indian	1,875	95.0%	0	0.0%	97	4.9%	0	0.0%	1	0.1%
	Filipino	1,966	95.6%	0	0.0%	90	4.4%	0	0.0%	1	0.0%
	Japanese	646	95.5%	0	0.0%	29	4.3%	0	0.0%	1	0.1%
	Korean	393	97.1%	0	0.0%	12	2.9%	0	0.0%	0	0.0%
	Vietnamese	551	95.2%	0	0.0%	28	4.8%	0	0.0%	0	0.0%
	Other	2,387	93.4%	0	0.0%	167	6.6%	0	0.0%	2	0.1%
Plumas	AAPI	44	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Chinese	9	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Indian	0	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	7	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	0	-	0	-	0	-	0	-	0	-
	Other	25	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Riverside*	AAPI	21,268	95.2%	1,018	4.6%	1	0.0%	0	0.0%	56	0.3%
	Chinese	2,993	95.5%	130	4.2%	1	0.0%	0	0.0%	9	0.3%
	Indian	2,849	95.8%	112	3.8%	0	0.0%	0	0.0%	13	0.4%
	Filipino	5,617	95.7%	239	4.1%	0	0.0%	0	0.0%	15	0.2%
	Japanese	1,057	94.7%	57	5.1%	0	0.0%	0	0.0%	2	0.1%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	Korean	1,352	96.3%	47	3.4%	0	0.0%	0	0.0%	5	0.3%
	Vietnamese	2,227	95.6%	99	4.3%	0	0.0%	0	0.0%	3	0.1%
	Other	5,173	93.7%	334	6.1%	0	0.0%	0	0.0%	11	0.2%
Sacramento*	AAPI	49,142	97.5%	1,169	2.3%	4	0.0%	0	0.0%	102	0.2%
	Chinese	10,125	97.7%	214	2.1%	1	0.0%	0	0.0%	18	0.2%
	Indian	8,265	97.7%	176	2.1%	0	0.0%	0	0.0%	17	0.2%
	Filipino	8,004	97.1%	215	2.6%	1	0.0%	0	0.0%	19	0.2%
	Japanese	3,620	98.4%	53	1.4%	0	0.0%	0	0.0%	5	0.1%
	Korean	1,519	97.9%	31	2.0%	0	0.0%	0	0.0%	3	0.2%
	Vietnamese	6,738	97.4%	166	2.4%	1	0.0%	0	0.0%	14	0.2%
	Other	10,871	97.0%	314	2.8%	0	0.0%	0	0.0%	26	0.2%
San Benito*	AAPI	421	96.1%	15	3.3%	0	0.0%	1	0.3%	1	0.3%
	Chinese	34	94.4%	2	5.6%	0	0.0%	0	0.0%	0	0.0%
	Indian	49	94.2%	1	1.9%	0	0.0%	1	1.9%	1	1.9%
	Filipino	122	95.3%	6	4.7%	0	0.0%	0	0.0%	0	0.0%
	Japanese	55	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	20	95.2%	1	4.8%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	38	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Other	103	95.3%	5	4.3%	0	0.0%	0	0.2%	0	0.2%
San Bernardino	AAPI	19,008	93.1%	0	0.0%	1,389	6.8%	0	0.0%	25	0.1%
	Chinese	4,173	94.2%	0	0.0%	251	5.7%	0	0.0%	7	0.2%
	Indian	2,025	92.8%	0	0.0%	153	7.0%	0	0.0%	3	0.1%
	Filipino	4,491	94.1%	0	0.0%	276	5.8%	0	0.0%	5	0.1%
	Japanese	796	92.8%	0	0.0%	62	7.2%	0	0.0%	0	0.0%
	Korean	1,617	95.6%	0	0.0%	74	4.4%	0	0.0%	1	0.1%
	Vietnamese	1,762	95.0%	0	0.0%	89	4.8%	0	0.0%	3	0.2%
	Other	4,144	89.4%	0	0.0%	485	10.5%	0	0.0%	6	0.1%
San Diego*	AAPI	67,343	95.1%	3,394	4.8%	1	0.0%	0	0.0%	77	0.1%
	Chinese	12,285	95.8%	518	4.0%	0	0.0%	0	0.0%	17	0.1%
	Indian	6,894	95.2%	330	4.6%	1	0.0%	0	0.0%	13	0.2%
	Filipino	17,477	95.1%	888	4.8%	0	0.0%	0	0.0%	15	0.1%
	Japanese	3,593	95.7%	160	4.3%	0	0.0%	0	0.0%	2	0.1%
	Korean	3,408	95.9%	138	3.9%	0	0.0%	0	0.0%	8	0.2%
	Vietnamese	9,336	95.5%	437	4.5%	0	0.0%	0	0.0%	7	0.1%
	Other	14,350	93.9%	923	6.0%	0	0.0%	0	0.0%	14	0.1%
San Francisco	AAPI	80,840	92.9%	0	0.0%	6,121	7.0%	0	0.0%	37	0.0%
	Chinese	48,401	94.0%	0	0.0%	3,089	6.0%	0	0.0%	15	0.0%
	Indian	4,949	90.5%	0	0.0%	516	9.4%	0	0.0%	6	0.1%
	Filipino	7,511	92.4%	0	0.0%	613	7.5%	0	0.0%	2	0.0%
	Japanese	2,999	92.4%	0	0.0%	244	7.5%	0	0.0%	1	0.0%
	Korean	2,966	92.4%	0	0.0%	243	7.6%	0	0.0%	1	0.0%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	Vietnamese	5,343	93.4%	0	0.0%	375	6.6%	0	0.0%	2	0.0%
	Other	8,670	89.2%	0	0.0%	1,041	10.7%	0	0.0%	9	0.1%
San Joaquin	AAPI	14,522	96.0%	0	0.0%	594	3.9%	0	0.0%	18	0.1%
	Chinese	1,521	96.0%	0	0.0%	61	3.8%	0	0.0%	3	0.2%
	Indian	3,749	97.1%	0	0.0%	108	2.8%	0	0.0%	6	0.2%
	Filipino	4,186	96.0%	0	0.0%	172	3.9%	0	0.0%	1	0.0%
	Japanese	683	97.5%	0	0.0%	17	2.4%	0	0.0%	1	0.2%
	Korean	210	97.2%	0	0.0%	6	2.7%	0	0.0%	0	0.1%
	Vietnamese	1,100	97.0%	0	0.0%	32	2.8%	0	0.0%	2	0.2%
	Other	3,073	93.8%	0	0.0%	199	6.1%	0	0.0%	4	0.1%
San Luis Obispo	AAPI	2,022	97.6%	0	0.0%	46	2.2%	0	0.0%	2	0.1%
	Chinese	336	97.2%	0	0.0%	8	2.4%	0	0.0%	1	0.4%
	Indian	178	98.5%	0	0.0%	2	1.4%	0	0.0%	0	0.1%
	Filipino	370	98.3%	0	0.0%	6	1.7%	0	0.0%	0	0.0%
	Japanese	225	98.1%	0	0.0%	4	1.9%	0	0.0%	0	0.0%
	Korean	108	98.5%	0	0.0%	2	1.4%	0	0.0%	0	0.1%
	Vietnamese	94	98.5%	0	0.0%	1	1.4%	0	0.0%	0	0.1%
	Other	711	96.9%	0	0.0%	22	3.0%	0	0.0%	0	0.1%
San Mateo*	AAPI	48,003	96.5%	1,679	3.4%	10	0.0%	0	0.0%	64	0.1%
	Chinese	19,095	96.6%	648	3.3%	5	0.0%	0	0.0%	28	0.1%
	Indian	4,810	95.7%	212	4.2%	0	0.0%	0	0.0%	6	0.1%
	Filipino	11,430	96.8%	355	3.0%	3	0.0%	0	0.0%	16	0.1%
	Japanese	2,352	97.2%	64	2.6%	1	0.0%	0	0.0%	4	0.2%
	Korean	1,621	96.6%	53	3.2%	0	0.0%	0	0.0%	3	0.2%
	Vietnamese	1,395	96.7%	46	3.2%	0	0.0%	0	0.0%	1	0.1%
	Other	7,299	96.0%	300	3.9%	1	0.0%	0	0.0%	6	0.1%
Santa Barbara	AAPI	3,827	95.0%	0	0.0%	189	4.7%	0	0.0%	12	0.3%
	Chinese	765	95.0%	0	0.0%	35	4.3%	0	0.0%	6	0.7%
	Indian	347	94.9%	0	0.0%	16	4.4%	0	0.0%	3	0.7%
	Filipino	635	94.3%	0	0.0%	37	5.5%	0	0.0%	1	0.2%
	Japanese	476	96.6%	0	0.0%	16	3.3%	0	0.0%	0	0.1%
	Korean	246	96.9%	0	0.0%	8	3.0%	0	0.0%	0	0.1%
	Vietnamese	272	95.8%	0	0.0%	12	4.1%	0	0.0%	0	0.0%
	Other	1,085	94.1%	0	0.0%	66	5.7%	0	0.0%	2	0.1%
Santa Clara*	AAPI	147,315	95.9%	6,112	4.0%	21	0.0%	0	0.0%	190	0.1%
	Chinese	44,957	96.0%	1,822	3.9%	7	0.0%	0	0.0%	58	0.1%
	Indian	28,860	95.7%	1,237	4.1%	8	0.0%	0	0.0%	58	0.2%
	Filipino	14,538	96.1%	574	3.8%	1	0.0%	0	0.0%	14	0.1%
	Japanese	7,631	97.4%	200	2.6%	0	0.0%	0	0.0%	6	0.1%
	Korean	6,116	96.6%	213	3.4%	1	0.0%	0	0.0%	4	0.1%
	Vietnamese	29,869	95.5%	1,375	4.4%	2	0.0%	0	0.0%	33	0.1%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	Other	15,344	95.6%	689	4.3%	1	0.0%	0	0.0%	18	0.1%
Santa Cruz*	AAPI	2,675	95.7%	111	4.0%	0	0.0%	3	0.1%	7	0.2%
	Chinese	688	95.8%	28	4.0%	0	0.0%	1	0.1%	0	0.1%
	Indian	308	96.5%	10	3.0%	0	0.0%	0	0.0%	2	0.5%
	Filipino	312	95.8%	13	3.9%	0	0.0%	0	0.0%	1	0.4%
	Japanese	407	96.9%	13	3.1%	0	0.0%	0	0.0%	0	0.0%
	Korean	145	97.0%	4	2.8%	0	0.0%	0	0.0%	0	0.2%
	Vietnamese	104	94.3%	5	4.4%	0	0.0%	0	0.0%	1	1.3%
	Other	711	94.4%	39	5.1%	0	0.0%	2	0.2%	2	0.2%
Shasta	AAPI	720	91.4%	0	0.0%	61	7.8%	0	0.0%	7	0.9%
	Chinese	117	92.5%	0	0.0%	7	5.5%	0	0.0%	3	2.0%
	Indian	85	93.6%	0	0.0%	6	6.4%	0	0.0%	0	0.1%
	Filipino	87	90.3%	0	0.0%	8	8.6%	0	0.0%	1	1.1%
	Japanese	64	94.0%	0	0.0%	4	5.7%	0	0.0%	0	0.3%
	Korean	28	93.1%	0	0.0%	2	6.9%	0	0.0%	0	0.0%
	Vietnamese	30	95.7%	0	0.0%	1	4.3%	0	0.0%	0	0.0%
	Other	309	89.6%	0	0.0%	33	9.5%	0	0.0%	3	0.9%
Sierra	AAPI	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Chinese	0	-	0	-	0	-	0	-	0	-
	Indian	0	-	0	-	0	-	0	-	0	-
	Filipino	0	-	0	-	0	-	0	-	0	-
	Japanese	0	-	0	-	0	-	0	-	0	-
	Korean	0	-	0	-	0	-	0	-	0	-
	Vietnamese	0	-	0	-	0	-	0	-	0	-
	Other	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Siskiyou	AAPI	222	76.8%	0	0.0%	31	10.7%	0	0.0%	36	12.4%
	Chinese	54	71.7%	0	0.0%	8	10.0%	0	0.0%	14	18.3%
	Indian	2	53.4%	0	0.0%	2	46.6%	0	0.0%	0	0.0%
	Filipino	68	79.7%	0	0.0%	7	8.6%	0	0.0%	10	11.7%
	Japanese	3	54.2%	0	0.0%	2	40.0%	0	0.0%	0	5.9%
	Korean	5	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	0	-	0	-	0	-	0	-	0	-
	Other	89	79.1%	0	0.0%	12	10.5%	0	0.0%	12	10.4%
Solano	AAPI	9,382	93.3%	0	0.0%	662	6.6%	0	0.0%	7	0.1%
	Chinese	928	95.0%	0	0.0%	49	5.0%	0	0.0%	0	0.0%
	Indian	805	94.1%	0	0.0%	50	5.8%	0	0.0%	1	0.1%
	Filipino	4,657	94.3%	0	0.0%	278	5.6%	0	0.0%	5	0.1%
	Japanese	330	90.9%	0	0.0%	33	9.1%	0	0.0%	0	0.0%
	Korean	189	94.7%	0	0.0%	10	5.3%	0	0.0%	0	0.0%
	Vietnamese	322	91.3%	0	0.0%	31	8.7%	0	0.0%	0	0.0%
	Other	2,151	91.0%	0	0.0%	212	9.0%	0	0.0%	1	0.1%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
Sonoma*	AAPI	4,288	97.9%	85	1.9%	1	0.0%	1	0.0%	5	0.1%
	Chinese	996	98.5%	15	1.4%	0	0.0%	0	0.0%	0	0.0%
	Indian	485	97.0%	13	2.6%	1	0.2%	0	0.0%	1	0.2%
	Filipino	583	98.0%	12	2.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	452	98.4%	7	1.6%	0	0.0%	0	0.0%	0	0.0%
	Korean	262	98.4%	4	1.4%	0	0.0%	1	0.2%	0	0.0%
	Vietnamese	373	98.7%	2	0.6%	0	0.0%	0	0.0%	2	0.7%
	Other	1,136	97.2%	32	2.7%	0	0.0%	0	0.0%	1	0.1%
Stanislaus*	AAPI	4,024	96.6%	134	3.2%	0	0.0%	0	0.0%	8	0.2%
	Chinese	411	97.2%	11	2.6%	0	0.0%	0	0.0%	1	0.3%
	Indian	1,335	97.6%	30	2.2%	0	0.0%	0	0.0%	2	0.2%
	Filipino	420	95.5%	18	4.1%	0	0.0%	0	0.0%	2	0.4%
	Japanese	139	99.1%	1	0.8%	0	0.0%	0	0.0%	0	0.1%
	Korean	85	96.0%	4	4.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	211	92.4%	16	7.1%	0	0.0%	0	0.0%	1	0.5%
	Other	1,423	96.3%	54	3.7%	0	0.0%	0	0.0%	1	0.1%
Sutter	AAPI	3,358	98.4%	0	0.0%	45	1.3%	0	0.0%	9	0.3%
	Chinese	68	99.2%	0	0.0%	1	0.8%	0	0.0%	0	0.0%
	Indian	2,585	98.7%	0	0.0%	27	1.0%	0	0.0%	9	0.3%
	Filipino	108	98.4%	0	0.0%	2	1.5%	0	0.0%	0	0.1%
	Japanese	81	99.5%	0	0.0%	0	0.5%	0	0.0%	0	0.0%
	Korean	30	99.4%	0	0.0%	0	0.6%	0	0.0%	0	0.0%
	Vietnamese	18	99.3%	0	0.0%	0	0.5%	0	0.0%	0	0.2%
	Other	467	96.7%	0	0.0%	15	3.2%	0	0.0%	1	0.1%
Tehama	AAPI	93	87.4%	0	0.0%	13	12.6%	0	0.0%	0	0.0%
	Chinese	10	93.4%	0	0.0%	1	6.6%	0	0.0%	0	0.0%
	Indian	2	82.6%	0	0.0%	0	17.4%	0	0.0%	0	0.0%
	Filipino	13	85.4%	0	0.0%	2	14.6%	0	0.0%	0	0.0%
	Japanese	11	90.7%	0	0.0%	1	9.3%	0	0.0%	0	0.0%
	Korean	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	7	74.2%	0	0.0%	3	25.8%	0	0.0%	0	0.0%
	Other	47	88.0%	0	0.0%	6	12.0%	0	0.0%	0	0.0%
Trinity	AAPI	59	96.5%	0	0.0%	2	3.5%	0	0.0%	0	0.0%
	Chinese	10	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Indian	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	0	-	0	-	0	-	0	-	0	-
	Other	42	95.1%	0	0.0%	2	4.9%	0	0.0%	0	0.0%
Tulare	AAPI	1,163	92.0%	0	0.0%	96	7.6%	4	0.3%	1	0.1%

Jurisdiction	Subethnic Group	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	Chinese	141	90.5%	0	0.0%	15	9.5%	0	0.0%	0	0.0%
	Indian	141	94.1%	0	0.0%	9	5.9%	0	0.0%	0	0.0%
	Filipino	284	91.6%	0	0.0%	24	7.8%	1	0.3%	1	0.2%
	Japanese	126	90.8%	0	0.0%	11	7.7%	2	1.4%	0	0.0%
	Korean	39	94.6%	0	0.0%	2	5.2%	0	0.0%	0	0.2%
	Vietnamese	32	95.3%	0	0.0%	2	4.7%	0	0.0%	0	0.0%
	Other	399	92.0%	0	0.0%	33	7.7%	1	0.2%	1	0.1%
Tuolumne*	AAPI	159	99.7%	0	0.3%	0	0.0%	0	0.0%	0	0.0%
	Chinese	20	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Indian	10	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Filipino	49	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Japanese	23	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Korean	7	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Ventura*	Other	48	99.1%	0	0.9%	0	0.0%	0	0.0%	0	0.0%
	AAPI	12,404	93.7%	799	6.0%	1	0.0%	23	0.2%	13	0.1%
	Chinese	2,325	94.9%	122	5.0%	0	0.0%	2	0.1%	1	0.0%
	Indian	1,867	93.7%	118	5.9%	0	0.0%	6	0.3%	1	0.1%
	Filipino	2,497	93.9%	152	5.7%	0	0.0%	7	0.3%	3	0.1%
	Japanese	1,222	95.0%	62	4.8%	0	0.0%	1	0.1%	0	0.0%
	Korean	707	94.4%	40	5.4%	0	0.0%	0	0.0%	1	0.1%
Yolo*	Vietnamese	828	93.1%	57	6.5%	0	0.0%	0	0.0%	3	0.4%
	Other	2,958	92.1%	247	7.7%	0	0.0%	5	0.2%	2	0.1%
	AAPI	5,136	96.4%	185	3.5%	0	0.0%	0	0.0%	4	0.1%
	Chinese	1,601	96.7%	54	3.3%	0	0.0%	0	0.0%	0	0.0%
	Indian	946	97.4%	25	2.5%	0	0.0%	0	0.0%	0	0.0%
	Filipino	466	94.2%	28	5.7%	0	0.0%	0	0.0%	1	0.1%
	Japanese	420	97.2%	12	2.8%	0	0.0%	0	0.0%	0	0.0%
Yuba	Korean	245	97.9%	5	2.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	299	97.1%	9	2.9%	0	0.0%	0	0.0%	0	0.0%
	Other	1,160	95.5%	52	4.3%	0	0.0%	0	0.0%	2	0.2%
	AAPI	450	92.6%	0	0.0%	35	7.2%	0	0.0%	1	0.2%
	Chinese	54	91.6%	0	0.0%	5	8.4%	0	0.0%	0	0.0%
	Indian	46	97.3%	0	0.0%	1	2.7%	0	0.0%	0	0.0%
	Filipino	90	92.1%	0	0.0%	7	6.9%	0	0.0%	1	1.0%
	Japanese	32	90.4%	0	0.0%	3	9.6%	0	0.0%	0	0.0%
	Korean	7	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	Vietnamese	19	96.4%	0	0.0%	1	3.6%	0	0.0%	0	0.0%
	Other	201	91.7%	0	0.0%	18	8.2%	0	0.0%	0	0.1%

Takeaways

There were approximately 3.6 million registered AAPI voters statewide. We estimate that Chinese voters represented over 970 thousand or 26.3% of statewide registered AAPI voters. The number of registered Chinese voters is even more significant in non-VCA counties, comprising 30.4% of all non-VCA registered AAPI voters. Regardless of categorization, California statewide, non-VCA counties, or VCA counties, AAPI voters are well distributed. After Chinese voters, the next largest subethnic groups are all ‘other’ voters, followed by Filipino voters, then Indian Voters and Vietnamese voters, next Korean voters, and Japanese voters.

More than a million AAPI voters participated in the 2022 Primary Election in California. Approximately 304 thousand, or 27.6%, of the ballots of those who voted, came from Chinese voters.

There was a 29.9% turnout rate for voters estimated to be AAPI during the 2022 Primary Election. There is a significant variation in turnout across AAPI subethnic groups. The highest turnout rate among AAPI subethnic voters was Japanese voters with an approximately 42.4% statewide. Chinese voters had a turnout rate of 31.4% across the state, 37.4% in non-VCA counties, and 29.8% in VCA counties including Los Angeles. In contrast, Indian voters had the lowest turnout rate among any AAPI subethnic group. Indian voters had a turnout rate of 26% across the state, 23.7% in non-VCA counties, and 26.6% in VCA counties.

Regardless of statewide, non-VCA, or VCA categorization, the vast majority – 90% or above – of AAPI subethnic voters across the state utilized vote-by-mail to participate in the 2022 primary. The only difference between AAPI subethnic groups is that ‘other’ voters used in-person voting at 1- to 2.5-points higher rates than their other subethnic counterparts.

Voters Classified as American Indian and Alaska Native (AIAN)

Using self-reported data and AIAN geographic boundary spatial analysis, we analyzed the AIAN-classified electorate by voters who self-reported as AIAN and non-self-reporting voters who were geolocated to live within federal and state-recognized boundaries. We provide data on each of the fifty-eight California counties, as well as grouping counties into categories of 'statewide,' non-VCA, VCA (including Los Angeles), and VCA (excluding Los Angeles). Our AIAN classification analysis is covered in greater detail in the methodology section of this report.

As shown in Table 9 below, there were 69,828 registered voters estimated to be AIAN, or 0.32% of all statewide registered voters at the time of the 2022 Primary Election.

Also presented in Table 9, 20,658, or 0.40% of non-VCA registered voters were estimated to be AIAN.

Table 9 shows that 49,170, or 0.29% of VCA registered voters were estimated to be AIAN.

Table 9: Registered Voters by AIAN Classification

Jurisdiction	Total	AIAN	
Statewide	21,833,094	69,828	0.32%
Non-VCA	5,139,338	20,658	0.40%
VCA (Including Los Angeles)	16,693,756	49,170	0.29%
VCA (Excluding Los Angeles)	11,090,556	44,495	0.40%
Alameda*	932,808	800	0.09%
Alpine	813	116	14.27%
Amador*	26,100	155	0.59%
Butte*	120,779	2,622	2.17%
Calaveras*	31,744	165	0.52%
Colusa	9,988	76	0.76%
Contra Costa	703,431	986	0.14%
Del Norte	14,475	738	5.10%
El Dorado*	137,077	514	0.37%
Fresno*	496,608	1,286	0.26%
Glenn	14,210	123	0.87%
Humboldt	83,225	2,302	2.77%
Imperial	86,260	582	0.67%

Jurisdiction	Total	AIAN	
Inyo	9,904	920	9.29%
Kern	434,185	1,467	0.34%
Kings*	60,831	499	0.82%
Lake	36,753	527	1.43%
Lassen	14,919	299	2.00%
Los Angeles*	5,603,200	4,675	0.08%
Madera*	71,314	303	0.42%
Marin*	169,683	152	0.09%
Mariposa*	11,547	77	0.67%
Mendocino	52,149	1,140	2.19%
Merced*	123,199	323	0.26%
Modoc	5,114	77	1.51%
Mono	7,801	89	1.14%
Monterey	207,648	381	0.18%
Napa*	83,494	109	0.13%
Nevada*	74,816	208	0.28%
Orange*	1,809,387	1,895	0.10%
Placer	275,503	707	0.26%
Plumas	13,698	84	0.61%
Riverside*	1,281,237	24,215	1.89%
Sacramento*	861,177	2,174	0.25%
San Benito*	37,082	93	0.25%
San Bernardino	1,133,581	4,067	0.36%
San Diego*	1,917,928	4,654	0.24%
San Francisco	492,990	507	0.10%
San Joaquin	381,664	1,139	0.30%
San Luis Obispo	181,296	358	0.20%
San Mateo*	432,667	424	0.10%
Santa Barbara	234,589	724	0.31%
Santa Clara*	1,001,045	925	0.09%
Santa Cruz*	167,486	322	0.19%
Shasta	111,165	870	0.78%
Sierra	2,226	3	0.13%
Siskiyou	28,425	413	1.45%
Solano	259,728	446	0.17%
Sonoma*	302,663	1,077	0.36%

Jurisdiction	Total	AIAN	
Stanislaus*	280,683	19	0.01%
Sutter	52,131	184	0.35%
Tehama	37,581	204	0.54%
Trinity	7,365	48	0.65%
Tulare	205,973	1,060	0.51%
Tuolumne*	34,841	296	0.85%
Ventura*	505,666	802	0.16%
Yolo*	118,694	386	0.33%
Yuba	40,548	21	0.05%

Table 10 below shows the total number of ballots cast by AIAN-classified voters and the percentage of total ballots cast that they represented. Shown in Table 6 below, there were 24,403 participating voters estimated to be AIAN or 0.34% of all statewide ballots cast during the 2022 Primary Election.

Also presented in Table 10, 5,266, or 0.31%, of ballots cast in non-VCA counties voters were estimated to come from AIAN voters.

Table 10 also shows that 19,137 or 0.35% of ballots cast in VCA counties, were from voters estimated to be AIAN.

Table 10: Ballots Cast by AIAN Classification

Jurisdiction	Total	AIAN	
Statewide	7,205,288	24,403	0.34%
Non-VCA	1,690,883	5,266	0.31%
VCA (Including Los Angeles)	5,514,405	19,137	0.35%
VCA (Excluding Los Angeles)	3,909,950	17,941	0.46%
Alameda*	304,970	179	0.06%
Alpine	519	35	6.74%
Amador*	14,830	67	0.45%
Butte*	47,497	716	1.51%
Calaveras*	15,378	63	0.41%
Colusa	3,569	20	0.56%
Contra Costa	245,908	277	0.11%
Del Norte	5,662	284	5.02%

Jurisdiction	Total	AIAN	
El Dorado*	62,056	155	0.25%
Fresno*	134,754	272	0.20%
Glenn	5,989	23	0.38%
Humboldt	34,310	446	1.30%
Imperial	19,319	75	0.39%
Inyo	5,415	350	6.46%
Kern	112,230	422	0.38%
Kings*	17,552	53	0.30%
Lake	13,363	95	0.71%
Lassen	6,516	69	1.06%
Los Angeles*	1,604,455	1,196	0.07%
Madera*	24,584	79	0.32%
Marin*	83,895	48	0.06%
Mariposa*	6,209	30	0.48%
Mendocino	21,941	262	1.19%
Merced*	31,576	79	0.25%
Modoc	2,471	14	0.57%
Mono	3,248	22	0.68%
Monterey	64,348	107	0.17%
Napa*	36,240	22	0.06%
Nevada*	37,416	66	0.18%
Orange*	632,583	476	0.08%
Placer	127,383	233	0.18%
Plumas	7,146	22	0.31%
Riverside*	359,999	12,410	3.45%
Sacramento*	334,203	680	0.20%
San Benito*	12,440	32	0.26%
San Bernardino	254,866	933	0.37%
San Diego*	666,290	1,286	0.19%
San Francisco	226,758	194	0.09%
San Joaquin	106,867	274	0.26%
San Luis Obispo	87,624	123	0.14%
San Mateo*	165,370	139	0.08%
Santa Barbara	92,955	191	0.21%
Santa Clara*	356,202	231	0.06%
Santa Cruz*	78,250	91	0.12%
Shasta	51,621	275	0.53%
Sierra	1,209	1	0.08%
Siskiyou	12,418	108	0.87%

Jurisdiction	Total	AIAN	
Solano	77,216	108	0.14%
Sonoma*	137,558	294	0.21%
Stanislaus*	81,335	6	0.01%
Sutter	19,071	44	0.23%
Tehama	14,074	57	0.41%
Trinity	3,636	19	0.52%
Tulare	50,730	178	0.35%
Tuolumne*	16,840	97	0.58%
Ventura*	202,555	258	0.13%
Yolo*	49,368	112	0.23%
Yuba	12,501	5	0.04%

Table 11 below shows the voter turnout rate by AIAN classification. Voter turnout rates are calculated by dividing the number of ballots cast by the number of registered voters for voters classified as AIAN.

Shown in Table 11 below are turnout rates for California statewide. Across all fifty-eight California counties, voters had an overall turnout rate of 33%. Non-AIAN classified voters had a turnout rate of 33%. Voters estimated to be AIAN in VCA counties had a turnout rate of 34.9% –approximately the same turnout average than the statewide average and non-AIAN turnout rate during the 2022 Primary Election.

Below in Table 11 are turnout rates for non-VCA counties. Turnout in non-VCA counties across all racial and ethnic groups was 32.9%. Non-AIAN classified voters had a rate of 39.9% of voters participating in the 2022 Primary Election. There was a 25.5% turnout rate among voters estimated to be AIAN.

In Table 11 are turnout rates for VCA counties. Across all VCA counties, voters had an overall turnout rate of 33%. Non-AIAN estimated voters had a turnout rate of 33%. Voters estimated to be AIAN had a turnout rate of 38.9% – higher than the statewide average and non-AIAN turnout rate during the 2022 Primary Election.

Table 11: Turnout by AIAN Classification

Jurisdiction	Total	Non-AIAN	AIAN
Statewide	33.0%	33.0%	34.9%
Non-VCA	32.9%	32.9%	25.5%
VCA (Including Los Angeles)	33.0%	33.0%	38.9%
VCA (Excluding Los Angeles)	35.3%	35.3%	40.3%

Jurisdiction	Total	Non-AIAN	AIAN
Alameda*	32.7%	32.7%	22.4%
Alpine	63.8%	63.8%	30.2%
Amador*	56.8%	56.8%	43.2%
Butte*	39.3%	39.3%	27.3%
Calaveras*	48.4%	48.4%	38.2%
Colusa	35.7%	35.7%	26.3%
Contra Costa	35.0%	35.0%	28.1%
Del Norte	39.1%	39.1%	38.5%
El Dorado*	45.3%	45.3%	30.2%
Fresno*	27.1%	27.1%	21.2%
Glenn	42.1%	42.1%	18.7%
Humboldt	41.2%	41.2%	19.4%
Imperial	22.4%	22.4%	12.9%
Inyo	54.7%	54.7%	38.0%
Kern	25.8%	25.8%	28.8%
Kings*	28.9%	28.9%	10.6%
Lake	36.4%	36.4%	18.0%
Lassen	43.7%	43.7%	23.1%
Los Angeles*	28.6%	28.6%	25.6%
Madera*	34.5%	34.5%	26.1%
Marin*	49.4%	49.4%	31.6%
Mariposa*	53.8%	53.8%	39.0%
Mendocino	42.1%	42.1%	23.0%
Merced*	25.6%	25.6%	24.5%
Modoc	48.3%	48.3%	18.2%
Mono	41.6%	41.6%	24.7%
Monterey	31.0%	31.0%	28.1%
Napa*	43.4%	43.4%	20.2%
Nevada*	50.0%	50.0%	31.7%
Orange*	35.0%	35.0%	25.1%
Placer	46.2%	46.2%	33.0%
Plumas	52.2%	52.2%	26.2%
Riverside*	28.1%	28.1%	51.2%
Sacramento*	38.8%	38.8%	31.3%
San Benito*	33.5%	33.5%	34.4%
San Bernardino	22.5%	22.5%	22.9%

Jurisdiction	Total	Non-AIAN	AIAN
San Diego*	34.7%	34.7%	27.6%
San Francisco	46.0%	46.0%	38.3%
San Joaquin	28.0%	28.0%	24.1%
San Luis Obispo	48.3%	48.3%	34.4%
San Mateo*	38.2%	38.2%	32.8%
Santa Barbara	39.6%	39.6%	26.4%
Santa Clara*	35.6%	35.6%	25.0%
Santa Cruz*	46.7%	46.7%	28.3%
Shasta	46.4%	46.4%	31.6%
Sierra	54.3%	54.3%	33.3%
Siskiyou	43.7%	43.7%	26.2%
Solano	29.7%	29.7%	24.2%
Sonoma*	45.4%	45.4%	27.3%
Stanislaus*	29.0%	29.0%	31.6%
Sutter	36.6%	36.6%	23.9%
Tehama	37.4%	37.4%	27.9%
Trinity	49.4%	49.4%	39.6%
Tulare	24.6%	24.6%	16.8%
Tuolumne*	48.3%	48.3%	32.8%
Ventura*	40.1%	40.1%	32.2%
Yolo*	41.6%	41.6%	29.0%
Yuba	30.8%	30.8%	23.8%

Table 12 below shows the voting methods used by AIAN-classified voters during the 2022 Primary Election. Below, the table shows that vote-by-mail was the overall preferred method of voting for statewide AIAN voters, with 22 thousand, or 93.2%, using a mail ballot. The next most utilized method for AIAN classified voters was in-person vote centers, with 1,020, or 4.18%, casting their ballot with the method. A total of 591, or 2.4% of ballots cast by AIAN voters, were done so via an in-person polling place. The remaining 47 votes cast by AIAN classified voters were using provisional and nonprovisional CVR ballots.

Table 12 below shows the voting methods used by AIAN-classified voters during the 2022 Primary Election. Below, the table shows that vote-by-mail was the overall preferred method of voting for non-VCA counties' AIAN voters, with 4 thousand, or 88.5%, using a mail ballot. The next most utilized method for AIAN classified voters was in-person polling places, with 591, or 11.2%, casting their ballot with the method. The remaining 10 votes cast by AIAN classified voters were using provisional CVR ballots.

Table 12 below shows the voting methods used by AIAN-classified voters during the 2022 Primary Election. Below, the table shows that vote-by-mail was the overall preferred method of voting for VCA counties' AIAN

voters, with 18 thousand, or 94.4%, using a mail ballot. The next most utilized method for AIAN classified voters was in-person vote centers, with 1,020, or 5.3%, casting their ballot with the method. The remaining 37 votes cast by AIAN classified voters were using provisional and nonprovisional CVR ballots.

Table 12: Voting Methods by AIAN Classification

Jurisdiction	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
Statewide	22,745	93.21%	1,020	4.18%	591	2.42%	5	0.02%	42	0.17%
Non-VCA	4,665	88.59%	0	0.00%	591	11.22%	0	0.00%	10	0.19%
VCA (Including Los Angeles)	18,080	94.48%	1,020	5.33%	0	0.00%	5	0.03%	32	0.17%
VCA (Excluding Los Angeles)	17,109	95.36%	796	4.44%	0	0.00%	5	0.03%	31	0.17%
Alameda*	169	94.41%	10	5.59%	0	0.00%	0	0.00%	0	0.00%
Alpine	35	100.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Amador*	61	91.04%	4	5.97%	0	0.00%	2	2.99%	0	0.00%
Butte*	714	99.72%	2	0.28%	0	0.00%	0	0.00%	0	0.00%
Calaveras*	54	85.71%	9	14.29%	0	0.00%	0	0.00%	0	0.00%
Colusa	19	95.00%	0	0.00%	1	5.00%	0	0.00%	0	0.00%
Contra Costa	253	91.34%	0	0.00%	23	8.30%	0	0.00%	1	0.36%
Del Norte	231	81.34%	0	0.00%	53	18.66%	0	0.00%	0	0.00%
El Dorado*	145	93.55%	10	6.45%	0	0.00%	0	0.00%	0	0.00%
Fresno*	249	91.54%	22	8.09%	0	0.00%	1	0.37%	0	0.00%
Glenn	21	91.30%	0	0.00%	2	8.70%	0	0.00%	0	0.00%
Humboldt	371	83.18%	0	0.00%	74	16.59%	0	0.00%	1	0.22%
Imperial	69	92.00%	0	0.00%	6	8.00%	0	0.00%	0	0.00%
Inyo	280	80.00%	0	0.00%	70	20.00%	0	0.00%	0	0.00%
Kern	388	91.94%	0	0.00%	34	8.06%	0	0.00%	0	0.00%
Kings*	49	92.45%	4	7.55%	0	0.00%	0	0.00%	0	0.00%
Lake	83	87.37%	0	0.00%	12	12.63%	0	0.00%	0	0.00%
Lassen	67	97.10%	0	0.00%	2	2.90%	0	0.00%	0	0.00%
Los Angeles*	971	81.19%	224	18.73%	0	0.00%	0	0.00%	1	0.08%
Madera*	71	89.87%	8	10.13%	0	0.00%	0	0.00%	0	0.00%
Marin*	44	91.67%	3	6.25%	0	0.00%	0	0.00%	1	2.08%
Mariposa*	30	100.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Mendocino	249	95.04%	0	0.00%	13	4.96%	0	0.00%	0	0.00%
Merced*	76	96.20%	3	3.80%	0	0.00%	0	0.00%	0	0.00%
Modoc	14	100.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Jurisdiction	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
Mono	19	86.36%	0	0.00%	3	13.64%	0	0.00%	0	0.00%
Monterey	102	95.33%	0	0.00%	5	4.67%	0	0.00%	0	0.00%
Napa*	22	100.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Nevada*	60	90.91%	6	9.09%	0	0.00%	0	0.00%	0	0.00%
Orange*	407	85.50%	69	14.50%	0	0.00%	0	0.00%	0	0.00%
Placer	210	90.13%	0	0.00%	20	8.58%	0	0.00%	3	1.29%
Plumas	22	100.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Riverside*	12,006	96.74%	379	3.05%	0	0.00%	0	0.00%	25	0.20%
Sacramento*	629	92.50%	47	6.91%	0	0.00%	0	0.00%	4	0.59%
San Benito*	31	96.88%	0	0.00%	0	0.00%	1	3.13%	0	0.00%
San Bernardino	797	85.42%	0	0.00%	134	14.36%	0	0.00%	2	0.21%
San Diego*	1,164	90.51%	122	9.49%	0	0.00%	0	0.00%	0	0.00%
San Francisco	165	85.05%	0	0.00%	29	14.95%	0	0.00%	0	0.00%
San Joaquin	255	93.07%	0	0.00%	19	6.93%	0	0.00%	0	0.00%
San Luis Obispo	121	98.37%	0	0.00%	2	1.63%	0	0.00%	0	0.00%
San Mateo*	129	92.81%	10	7.19%	0	0.00%	0	0.00%	0	0.00%
Santa Barbara	187	97.91%	0	0.00%	4	2.09%	0	0.00%	0	0.00%
Santa Clara*	215	93.07%	16	6.93%	0	0.00%	0	0.00%	0	0.00%
Santa Cruz*	87	95.60%	4	4.40%	0	0.00%	0	0.00%	0	0.00%
Shasta	252	91.64%	0	0.00%	21	7.64%	0	0.00%	2	0.73%
Sierra	1	100.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Siskiyou	97	89.81%	0	0.00%	11	10.19%	0	0.00%	0	0.00%
Solano	97	89.81%	0	0.00%	11	10.19%	0	0.00%	0	0.00%
Sonoma*	279	94.90%	14	4.76%	0	0.00%	0	0.00%	1	0.34%
Stanislaus*	6	100.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Sutter	43	97.73%	0	0.00%	1	2.27%	0	0.00%	0	0.00%
Tehama	50	87.72%	0	0.00%	7	12.28%	0	0.00%	0	0.00%
Trinity	18	94.74%	0	0.00%	1	5.26%	0	0.00%	0	0.00%
Tulare	144	80.90%	0	0.00%	33	18.54%	0	0.00%	1	0.56%
Tuolumne*	81	83.51%	16	16.49%	0	0.00%	0	0.00%	0	0.00%
Ventura*	228	88.37%	29	11.24%	0	0.00%	1	0.39%	0	0.00%
Yolo*	103	91.96%	9	8.04%	0	0.00%	0	0.00%	0	0.00%
Yuba	5	100.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Takeaways

There were more than 21 million registered voters across California during the 2022 Primary Election. We classified nearly 70 thousand, or 0.32%, of statewide voters as AIAN. VCA counties accounted for less than a percentage point of the state's AIAN-classified voters.

AIAN-classified voters are proportionally represented in their percentage of ballots cast as they were in the number of registered voters. Of the 7.2 million statewide votes, AIAN-classified voters accounted for approximately 24 thousand, or 0.34%. Riverside County represented 50.8% of the ballots cast by AIAN-classified voters. It is important to note that estimating AIAN individuals is a persistent challenge faced by social scientists as there is no existing reliable AIAN surname list. While we estimated the AIAN electorate using self-reported race and residence on an AIAN tribal ground or reservation, it is possible that there are more AIAN voters that our methods did not capture.

The statewide turnout rate was 33% during the 2022 Primary Election. Across the state, AIAN-classified voters had a turnout rate of 34.9%. AIAN turnout was as high as 38.9% in VCA counties. In non-VCA counties, turnout was 25.5%. While the 2022 Primary Election is a small sample size, VCA counties are evidently conducting effective outreach to the AIAN electorate.

Similar to other groups, AIAN-classified voters widely preferred voting by mail, with 93.2% of all votes cast via mail ballot. An additional 6.6% of all votes cast by AIAN-classified voters were in person at a vote center or polling center.

Voters by Age Categories

Using voter date of birth and the election date of June 7, 2022, we analyzed the California electorate by age categories, including groups aged 18 to 29, 30 to 49 years old, 50 to 64 years old, and 65 years old and over. We provide data on each of the fifty-eight California counties, as well as grouping counties into categories of 'statewide,' non-VCA, VCA (including Los Angeles), and VCA (excluding Los Angeles).

Covered in earlier sections, there were approximately 21.9 million registered voters at the time of the 2022 Primary Election. As shown in Table 13 below, approximately 4.4 million, or 20.1% of all registered voters, were aged 18 to 29 during the 2022 Primary Election. More than 7.2 million, or 33.1%, of all California voters, were aged 30 to 49 – the largest age group among categories. The second largest estimated group was voters aged 50 to 64, representing over 5.2 million, or 23.9%, of California’s registered electorate. Voters aged 65 and over made up the remaining 5 million, or 22.9%, of all California registered voters at the time of the 2022 Primary Election.

Table 13 also shows that over 1.0 million, or 20.1%, of all non-VCA registered voters were aged 18 to 29. Across the non-VCA counties, more than 1.6 million, or 32.9%, of registered voters were aged 30 to 49 – the largest age demographic at the time of the primary election. Voters aged 50 to 64 represented over 1.2 million, or 23.6%, of the non-VCA registered electorate. Voters aged 65 and over comprised the final 1.2 million, or 23.4% of non-VCA registered voters.

VCA counties’ totals are shown in Table 13 below. As of the 2022 Primary Election, voters aged 18 to 29 made up nearly 3.3 million, or 20.1%, of registered voters in VCA counties. The registered electorate in VCA counties was primarily comprised of voters aged 30 to 49, which made up over 5.5 million, or 33.1%. The second largest demographic in VCA counties were voters aged 50 to 64, with more than 4.0 million voters, or 24.0% of the electorate. Voters aged 65 and over accounted for the remaining 3.8 million, or 22.8%, of registered voters in VCA counties.

Table 13: Registered Voters by Age Categories

Jurisdiction	18 to 29		30 to 49		50 to 64		65 and Over	
Statewide	4,408,931	20.1%	7,239,161	33.1%	5,236,333	23.9%	5,018,493	22.9%
Non-VCA	1,038,119	20.1%	1,696,531	32.9%	1,217,148	23.6%	1,208,197	23.4%
VCA (Including Los Angeles)	3,370,812	20.1%	5,542,630	33.1%	4,019,185	24.0%	3,810,296	22.8%
VCA (Excluding Los Angeles)	2,201,474	19.8%	3,585,407	32.2%	2,726,078	24.5%	2,622,092	23.5%
Alameda*	170,850	18.3%	331,964	35.6%	227,700	24.4%	203,094	21.8%
Alpine	99	10.7%	234	25.2%	266	28.6%	330	35.5%

Jurisdiction	18 to 29		30 to 49		50 to 64		65 and Over	
Amador*	2,973	11.3%	6,343	24.2%	6,924	26.4%	10,015	38.1%
Butte*	23,881	19.4%	37,582	30.5%	27,745	22.5%	34,193	27.7%
Calaveras*	3,666	11.5%	7,816	24.5%	8,717	27.3%	11,710	36.7%
Colusa	2,209	21.9%	3,028	30.1%	2,204	21.9%	2,623	26.1%
Contra Costa	123,993	17.6%	226,395	32.1%	181,566	25.8%	172,463	24.5%
Del Norte	2,107	13.8%	4,377	28.8%	3,926	25.8%	4,803	31.6%
El Dorado*	18,950	13.8%	39,073	28.4%	38,081	27.7%	41,487	30.2%
Fresno*	112,755	22.6%	172,161	34.6%	106,681	21.4%	106,297	21.3%
Glenn	2,670	18.6%	4,349	30.3%	3,346	23.3%	3,968	27.7%
Humboldt	14,465	16.9%	28,566	33.4%	18,743	21.9%	23,753	27.8%
Imperial	20,447	23.5%	29,523	34.0%	19,004	21.9%	17,868	20.6%
Inyo	1,374	12.7%	3,070	28.4%	2,723	25.2%	3,657	33.8%
Kern	102,775	23.6%	151,715	34.8%	95,415	21.9%	85,747	19.7%
Kings*	14,321	23.4%	21,798	35.5%	13,220	21.6%	11,991	19.6%
Lake	4,881	13.1%	9,960	26.7%	9,908	26.6%	12,531	33.6%
Lassen	2,234	14.7%	4,678	30.7%	3,903	25.6%	4,403	28.9%
Los Angeles*	1,169,338	20.9%	1,957,223	34.9%	1,293,107	23.1%	1,188,204	21.2%
Madera*	16,125	22.5%	21,799	30.4%	15,731	22.0%	17,962	25.1%
Marin*	22,471	13.2%	44,384	26.1%	47,720	28.1%	55,260	32.5%
Mariposa*	1,296	11.1%	2,872	24.7%	3,160	27.2%	4,296	37.0%
Mendocino	7,080	13.3%	15,399	28.9%	12,430	23.3%	18,380	34.5%
Merced*	32,258	26.1%	40,692	32.9%	26,397	21.4%	24,175	19.6%
Modoc	555	10.7%	1,256	24.2%	1,375	26.5%	2,005	38.6%
Mono	1,151	14.6%	2,636	33.4%	2,088	26.5%	2,015	25.5%
Monterey	45,238	21.7%	62,972	30.3%	47,424	22.8%	52,395	25.2%
Napa*	14,184	17.0%	24,048	28.8%	20,703	24.8%	24,668	29.5%
Nevada*	8,471	11.3%	21,220	28.3%	18,390	24.5%	26,943	35.9%
Orange*	376,687	20.8%	553,792	30.6%	455,637	25.2%	425,166	23.5%
Placer	43,769	15.8%	85,262	30.9%	69,832	25.3%	77,347	28.0%
Plumas	1,595	11.6%	3,247	23.6%	3,424	24.8%	5,516	40.0%
Riverside*	285,923	21.9%	418,534	32.1%	307,918	23.6%	293,077	22.5%
Sacramento*	166,447	19.3%	293,799	34.0%	208,439	24.1%	194,666	22.5%
San Benito*	7,880	21.2%	12,569	33.8%	9,161	24.6%	7,565	20.3%
San Bernardino	265,871	23.4%	388,589	34.2%	263,982	23.2%	219,206	19.3%
San Diego*	375,570	19.5%	653,069	34.0%	460,840	24.0%	433,103	22.5%
San Francisco	87,009	17.6%	189,825	38.5%	109,442	22.2%	107,221	21.7%
San Joaquin	84,511	22.1%	125,874	32.9%	91,243	23.8%	81,175	21.2%
San Luis Obispo	29,151	16.0%	50,721	27.9%	43,392	23.9%	58,389	32.1%
San Mateo*	73,937	17.1%	139,161	32.1%	111,014	25.6%	108,979	25.2%

Jurisdiction	18 to 29		30 to 49		50 to 64		65 and Over	
Santa Barbara	51,455	21.9%	66,521	28.3%	53,390	22.7%	63,947	27.2%
Santa Clara*	200,638	20.0%	313,927	31.3%	265,817	26.5%	221,588	22.1%
Santa Cruz*	30,553	18.2%	50,538	30.1%	40,893	24.4%	45,824	27.3%
Shasta	16,673	14.9%	32,671	29.2%	28,008	25.0%	34,683	31.0%
Sierra	197	8.8%	550	24.7%	616	27.6%	866	38.9%
Siskiyou	3,237	11.2%	7,347	25.5%	7,308	25.3%	10,946	38.0%
Solano	45,204	17.4%	83,742	32.2%	65,621	25.2%	65,607	25.2%
Sonoma*	48,564	16.0%	86,701	28.5%	74,930	24.7%	93,545	30.8%
Stanislaus*	61,447	21.9%	94,051	33.5%	64,859	23.1%	60,345	21.5%
Sutter	10,149	19.4%	16,871	32.2%	12,659	24.2%	12,636	24.2%
Tehama	6,054	16.0%	10,898	28.8%	9,531	25.2%	11,302	29.9%
Trinity	716	9.7%	2,020	27.2%	1,869	25.2%	2,808	37.9%
Tulare	53,490	25.8%	70,024	33.8%	42,712	20.6%	40,807	19.7%
Tuolumne*	4,085	11.6%	8,931	25.4%	8,794	25.0%	13,327	37.9%
Ventura*	100,409	19.8%	150,299	29.7%	129,625	25.6%	126,135	24.9%
Yolo*	27,133	22.8%	38,284	32.1%	26,982	22.7%	26,681	22.4%
Yuba	7,760	19.1%	14,211	35.0%	9,798	24.2%	8,800	21.7%

As mentioned in an earlier section, approximately 7.2 million ballots were cast during the 2022 Primary Election. As shown in Table 14 below, approximately 636 thousand, or 8.8% of all ballots cast, were from voters aged 18 to 29. During the primary election, more than 1.6 million, or 23.0%, of all California ballots were cast from voters aged 30 to 49. Voters aged 50 to 64 represented over 2.0 million, or 28.1%, of California’s cast ballots. Voters aged 65 and over made up the remaining 2.9 million, or 40.1%, of all ballots cast in California during the 2022 Primary Election. – the largest number among age group categories.

Table 14 also shows that approximately 133 thousand, or 7.9% of all non-VCA ballots cast, were from voters aged 18 to 29. Across the non-VCA counties, more than 371 thousand, or 21.9%, of ballots cast were from voters aged 30 to 49. Voters aged 50 to 64 represented over 472 thousand, or 27.9%, of the non-VCA cast ballots. During the 2022 Primary Election, voters aged 65 and over comprised the final 720 thousand, or 42.4% of non-VCA ballots cast – the most among any age category.

VCA counties’ totals are shown in Table 14 below. During the 2022 Primary Election, voters aged 18 to 29 cast approximately 503 thousand, or 9.1%, of the VCA counties’ ballots. Nearly 1.3 million, or 23.4%, of the ballots cast in VCA counties, came from voters aged 30 to 49. Voters aged 50 to 64 cast more than 1.5 million, or 28.2%, of the ballots in VCA counties. The ballots cast in VCA counties were primarily from voters aged 65 and over, which made up nearly 2.2 million, or 39.4%.

Table 14: Ballots Cast by Age Categories

Jurisdiction	18 to 29		30 to 49		50 to 64		65 and over	
Statewide	636,847	8.8%	1,664,852	23.0%	2,032,755	28.1%	2,901,787	40.1%
Non-VCA	133,417	7.9%	371,007	21.9%	472,886	27.9%	720,490	42.4%
VCA (Including Los Angeles)	503,430	9.1%	1,293,845	23.4%	1,559,869	28.2%	2,181,297	39.4%
VCA (Excluding Los Angeles)	333,849	8.5%	859,551	21.9%	1,121,290	28.5%	1,614,889	41.1%
Alameda*	28,307	9.3%	82,244	26.9%	84,240	27.6%	110,428	36.2%
Alpine	25	4.5%	92	16.6%	185	33.4%	252	45.5%
Amador*	718	4.8%	2,442	16.4%	4,050	27.2%	7,695	51.6%
Butte*	3,200	6.6%	9,475	19.6%	12,415	25.7%	23,156	48.0%
Calaveras*	649	4.2%	2,079	13.5%	4,332	28.0%	8,396	54.3%
Colusa	268	7.5%	656	18.3%	995	27.7%	1,671	46.5%
Contra Costa	18,604	7.6%	51,496	20.9%	71,453	29.0%	104,660	42.5%
Del Norte	246	4.1%	1,018	17.1%	1,718	28.9%	2,965	49.9%
El Dorado*	3,495	5.6%	10,947	17.6%	18,886	30.3%	28,918	46.5%
Fresno*	10,979	8.1%	28,414	21.0%	36,580	27.1%	59,157	43.8%
Glenn	505	8.4%	1,284	21.4%	1,606	26.7%	2,618	43.5%
Humboldt	2,185	6.3%	7,908	22.7%	8,681	24.9%	16,020	46.0%
Imperial	2,015	10.4%	4,450	22.9%	5,597	28.8%	7,390	38.0%
Inyo	288	5.0%	1,289	22.3%	1,505	26.1%	2,687	46.6%
Kern	9,613	8.5%	23,461	20.8%	32,251	28.6%	47,394	42.0%
Kings*	1,650	9.4%	4,193	23.8%	4,991	28.3%	6,785	38.5%
Lake	493	3.7%	1,827	13.6%	3,710	27.5%	7,442	55.2%
Lassen	382	5.8%	1,445	21.9%	1,917	29.1%	2,843	43.2%
Los Angeles*	169,581	10.5%	434,294	27.0%	438,579	27.3%	566,408	35.2%
Madera*	1,908	7.7%	4,723	19.1%	6,539	26.5%	11,498	46.6%
Marin*	4,925	5.9%	15,301	18.2%	24,146	28.8%	39,584	47.1%
Mariposa*	284	4.5%	1,020	16.3%	1,731	27.7%	3,214	51.4%
Mendocino	995	4.5%	3,867	17.4%	5,184	23.3%	12,178	54.8%
Merced*	3,124	9.9%	6,601	20.8%	8,821	27.9%	13,125	41.4%
Modoc	104	4.2%	396	15.9%	617	24.8%	1,368	55.1%
Mono	173	5.3%	727	22.2%	1,018	31.1%	1,355	41.4%
Monterey	4,721	7.3%	11,440	17.7%	17,479	27.1%	30,873	47.9%
Napa*	2,531	7.0%	7,067	19.5%	10,055	27.7%	16,615	45.8%

Jurisdiction	18 to 29		30 to 49		50 to 64		65 and over	
Nevada*	1,637	4.4%	6,357	17.0%	9,606	25.6%	19,903	53.1%
Orange*	59,649	9.4%	132,122	20.9%	183,518	29.0%	257,947	40.7%
Placer	8,630	6.8%	27,044	21.2%	35,606	27.9%	56,374	44.2%
Plumas	280	3.9%	1,041	14.5%	1,926	26.9%	3,921	54.7%
Riverside*	29,264	7.9%	73,832	19.8%	105,817	28.4%	163,697	43.9%
Sacramento*	28,708	8.6%	80,750	24.1%	95,908	28.6%	129,697	38.7%
San Benito*	1,165	9.3%	2,872	23.0%	3,788	30.4%	4,647	37.3%
San Bernardino	21,843	8.5%	53,228	20.8%	75,729	29.5%	105,527	41.2%
San Diego*	54,252	8.1%	152,816	22.9%	190,490	28.5%	270,614	40.5%
San Francisco	24,088	10.6%	77,800	34.2%	58,352	25.7%	67,142	29.5%
San Joaquin	9,020	8.4%	20,813	19.4%	31,473	29.4%	45,858	42.8%
San Luis Obispo	5,636	6.4%	15,985	18.2%	22,798	26.0%	43,368	49.4%
San Mateo*	14,011	8.5%	39,126	23.6%	47,495	28.7%	64,898	39.2%
Santa Barbara	7,578	8.1%	17,542	18.8%	24,516	26.3%	43,590	46.8%
Santa Clara*	36,431	10.2%	80,781	22.7%	108,602	30.5%	130,657	36.7%
Santa Cruz*	6,809	8.7%	17,124	21.9%	21,837	27.9%	32,581	41.6%
Shasta	3,036	5.8%	10,396	20.0%	14,347	27.6%	24,168	46.5%
Sierra	34	2.8%	185	15.3%	349	28.8%	642	53.1%
Siskiyou	442	3.5%	1,865	14.9%	3,257	26.0%	6,975	55.6%
Solano	4,658	6.0%	13,727	17.7%	22,472	29.0%	36,573	47.2%
Sonoma*	8,485	6.2%	25,426	18.4%	36,583	26.5%	67,369	48.9%
Stanislaus*	6,911	8.5%	16,662	20.5%	23,214	28.5%	34,594	42.5%
Sutter	1,666	8.7%	4,115	21.5%	5,379	28.1%	7,961	41.6%
Tehama	749	5.3%	2,379	16.8%	4,001	28.3%	7,014	49.6%
Trinity	129	3.5%	621	17.0%	934	25.5%	1,975	54.0%
Tulare	4,206	8.3%	10,132	19.9%	14,074	27.6%	22,512	44.2%
Tuolumne*	753	4.4%	2,670	15.7%	4,346	25.6%	9,188	54.2%
Ventura*	18,571	9.2%	42,111	20.8%	59,863	29.5%	82,293	40.6%
Yolo*	5,433	11.0%	12,396	25.0%	13,437	27.1%	18,233	36.8%
Yuba	805	6.4%	2,778	22.2%	3,757	30.0%	5,174	41.3%

Table 15 below shows the voter turnout rate by age categories. Voter turnout rates are calculated by dividing the number of ballots cast by the number of registered voters for each age category.

Shown in Table 15 below are turnout rates for California statewide. Across all fifty-eight California counties, voters had an overall turnout rate of 27.1%. Voters 18 to 29 had a turnout rate of 14.4% – the lowest turnout rate of any group. Voters aged 30 to 49 had a turnout rate of 23.0% in the 2022 Primary Election. There was a

38.8% turnout rate among voters aged 50 to 64. Voters aged 65 and over had a turnout rate of 57.8% across the state – the highest rate among any age group in the 2022 Primary Election.

Below in Table 15 are turnout rates for non-VCA counties. Across all thirty-one non-VCA counties, voters aged 18 to 29 had a turnout rate of 12.9% – the lowest turnout rate of any group. Voters aged 30 to 49 had a turnout rate of 21.9%. During the 2022 primary, voters aged 50 to 64 had a turnout rate of 38.9%. Among voters aged 65 and over, there was a 59.6% turnout rate – the highest of any age group in the 2022 Primary Election.

In Table 15 are turnout rates for VCA counties. Across all twenty-nine VCA counties, voters aged 18 to 29 had a turnout rate of 14.9% – the lowest turnout rate of any group. Voters aged 30 to 49 had a turnout rate of 23.3%. In the 2022 Primary Election, voters aged 50 to 64 had a turnout rate of 38.8%. There was a 57.2% turnout rate among voters aged 65 and over – the highest among age groups.

Table 15: Turnout by Age Categories

Jurisdiction	18 to 29	30 to 49	50 to 64	65 and Over
Statewide	14.4%	23.0%	38.8%	57.8%
Non-VCA	12.9%	21.9%	38.9%	59.6%
VCA (Including Los Angeles)	14.9%	23.3%	38.8%	57.2%
VCA (Excluding Los Angeles)	15.2%	24.0%	41.1%	61.6%
Alameda*	16.6%	24.8%	37.0%	54.4%
Alpine	25.3%	39.3%	69.5%	76.4%
Amador*	24.2%	38.5%	58.4%	76.8%
Butte*	13.4%	25.2%	44.7%	67.7%
Calaveras*	17.7%	26.6%	49.6%	71.6%
Colusa	12.1%	21.7%	45.1%	63.7%
Contra Costa	15.0%	22.7%	39.4%	60.7%
Del Norte	11.7%	23.3%	43.8%	61.7%
El Dorado*	18.4%	28.0%	49.6%	69.7%
Fresno*	9.7%	16.5%	34.3%	55.6%
Glenn	18.9%	29.5%	48.0%	66.0%
Humboldt	15.1%	27.6%	46.3%	67.4%
Imperial	9.8%	15.0%	29.4%	41.3%
Inyo	21.0%	41.9%	55.2%	73.5%
Kern	9.3%	15.5%	33.8%	55.2%
Kings*	11.5%	19.2%	37.7%	56.5%

Jurisdiction	18 to 29	30 to 49	50 to 64	65 and Over
Lake	10.0%	18.3%	37.4%	59.4%
Lassen	17.1%	30.9%	49.1%	64.5%
Los Angeles*	14.5%	22.1%	33.9%	47.6%
Madera*	11.8%	21.7%	41.6%	64.0%
Marin*	21.9%	34.5%	50.6%	71.6%
Mariposa*	21.8%	35.4%	54.7%	74.8%
Mendocino	14.0%	25.1%	41.7%	66.2%
Merced*	9.7%	16.2%	33.4%	54.3%
Modoc	18.7%	31.5%	44.9%	68.2%
Mono	15.0%	27.5%	48.7%	67.2%
Monterey	10.4%	18.1%	36.8%	58.9%
Napa*	17.8%	29.4%	48.5%	67.4%
Nevada*	19.3%	29.9%	52.2%	73.8%
Orange*	15.8%	23.8%	40.3%	60.7%
Placer	19.7%	31.7%	51.0%	72.9%
Plumas	17.6%	32.1%	56.3%	71.1%
Riverside*	10.2%	17.6%	34.3%	55.8%
Sacramento*	17.2%	27.5%	46.0%	66.6%
San Benito*	14.8%	22.8%	41.3%	61.4%
San Bernardino	8.2%	13.7%	28.6%	48.1%
San Diego*	14.4%	23.4%	41.3%	62.5%
San Francisco	27.6%	40.9%	53.2%	62.6%
San Joaquin	10.7%	16.5%	34.5%	56.5%
San Luis Obispo	19.3%	31.5%	52.5%	74.3%
San Mateo*	18.9%	28.1%	42.8%	59.5%
Santa Barbara	14.7%	26.3%	45.9%	68.1%
Santa Clara*	18.2%	25.7%	40.9%	59.0%
Santa Cruz*	22.3%	33.9%	53.4%	71.1%
Shasta	18.2%	31.8%	51.2%	69.7%
Sierra	17.3%	33.6%	56.7%	74.1%
Siskiyou	13.6%	25.3%	44.5%	63.7%
Solano	10.3%	16.4%	34.2%	55.7%
Sonoma*	17.5%	29.3%	48.8%	72.0%
Stanislaus*	11.2%	17.7%	35.8%	57.3%
Sutter	16.4%	24.4%	42.5%	63.0%
Tehama	12.3%	21.8%	41.9%	62.0%

Jurisdiction	18 to 29	30 to 49	50 to 64	65 and Over
Trinity	18.0%	30.6%	49.9%	70.3%
Tulare	7.9%	14.5%	32.9%	55.1%
Tuolumne*	18.4%	29.8%	49.4%	68.9%
Ventura*	18.5%	28.0%	46.2%	65.2%
Yolo*	20.0%	32.4%	49.8%	68.3%
Yuba	10.3%	19.5%	38.3%	58.8%

Table 16 below shows the voting methods used by each age category during the 2022 Primary Election. As covered in prior sections, vote-by-mail was the overall preferred method of voting for statewide voters, with approximately 6.6 million, or 91.6%, of votes cast via a mail ballot. Below the table shows that vote-by-mail was the overall preferred method of voting for voters aged 18 to 29 (580 thousand or 91.2%), voters aged 30 to 49 (1.5 million or 90.6%), voters aged 50 to 64 (1.8 million or 89.8%), and voters aged 65 and over (2.7 million or 93.4%) across California. The next most utilized method across all age groups was voting in person at a vote center. Vote centers were commonly used by voters aged 18 to 29 (41 thousand or 6.6%), voters aged 30 to 49 (123 thousand or 7.4%), voters aged 50 to 64 (161 thousand or 8.0%), and voters aged 65 and over (144 thousand or 5.0%) across California. Polling places were also used among voters of different age groups, with voters aged 18 to 29 (8.7 thousand or 1.4%), voters aged 30 to 49 (nearly 30 thousand or 1.8%), voters aged 50 to 64 (43 thousand or 2.1%), and voters aged 65 and over (44 thousand or 1.5%) using the method. A nonprovisional and provisional CVR were utilized at much lower rates than vote-by-mail, vote centers, and polling places.

Table 16 below, the table shows that vote-by-mail was the overall preferred method of voting for voters aged 18 to 29 (123 thousand or 92.9%), voters aged 30 to 49 (340 thousand or 91.8%), voters aged 50 to 64 (428 thousand or 90.7%), and voters aged 65 and over (674 thousand or 93.7%) across California. The next most utilized method across all age groups was voting in person at a vote center. Voting centers were commonly used by voters aged 18 to 29 (41 thousand or 6.6%), voters aged 30 to 49 (123 thousand or 7.4%), voters aged 50 to 64 (161 thousand or 8%), and voters aged 65 and over (144 thousand or 5%) across California. Voting in person at a polling place and casting a nonprovisional CVR and provisional CVR were utilized at much lower rates than vote-by-mail polling places.

Table 16 below, the table shows that vote-by-mail was the overall preferred method of voting for voters aged 18 to 29 (457 thousand or 91.0%), voters aged 30 to 49 (1.1 million or 90.2%), voters aged 50 to 64 (nearly 1.4 million or 89.5%), and voters aged 65 and over (2.0 million or 93.3%) across California. The next most utilized method across all age groups was voting in person at a vote center. Vote centers were commonly used by voters aged 18 to 29 (41 thousand or 8.3%), voters aged 30 to 49 (123 thousand or 9.5%), voters aged 50 to 64 (161 thousand or 10.4%), and voters aged 65 and over (144 thousand or 6.6%) across California. Casting a provisional CVR ballot was also done among voters of different age groups, with voters aged 18 to 29 (3 thousand or 0.6%), voters aged 30 to 49 (2 thousand or 0.2%), voters aged 50 to 64 (1 thousand or 0.1%), and voters aged 65 and over (1 thousand or 0.1%) using the method. Voting at a polling place or casting a nonprovisional CVR ballot were utilized at much lower rates than vote-by-mail, vote centers, and CVR ballots.

Table 16: Voting Methods by Age Classification

Jurisdiction	Age Category	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
Statewide	18 to 29	580,993	91.4%	41,652	6.6%	8,752	1.4%	249	0.0%	4,001	0.6%
	30 to 49	1,506,007	90.6%	123,371	7.4%	29,796	1.8%	395	0.0%	2,989	0.2%
	50 to 64	1,823,644	89.8%	161,890	8.0%	43,597	2.1%	298	0.0%	1,655	0.1%
	65 and over	2,709,117	93.4%	144,823	5.0%	44,760	1.5%	219	0.0%	1,483	0.1%
Non-VCA	18 to 29	123,734	92.9%	31	0.0%	8,608	6.5%	21	0.0%	737	0.6%
	30 to 49	340,104	91.8%	77	0.0%	29,720	8.0%	34	0.0%	525	0.1%
	50 to 64	428,440	90.7%	112	0.0%	43,576	9.2%	24	0.0%	302	0.1%
	65 and over	674,965	93.7%	114	0.0%	44,744	6.2%	26	0.0%	255	0.0%
VCA (Including Los Angeles)	18 to 29	457,259	91.0%	41,621	8.3%	144	0.0%	228	0.0%	3,264	0.6%
	30 to 49	1,165,903	90.2%	123,294	9.5%	76	0.0%	361	0.0%	2,464	0.2%
	50 to 64	1,395,204	89.5%	161,778	10.4%	21	0.0%	274	0.0%	1,353	0.1%
	65 and over	2,034,152	93.3%	144,709	6.6%	16	0.0%	193	0.0%	1,228	0.1%
VCA (Excluding Los Angeles)	18 to 29	312,639	93.7%	18,466	5.5%	129	0.0%	227	0.1%	2,077	0.6%
	30 to 49	800,791	93.2%	56,360	6.6%	64	0.0%	361	0.0%	1,434	0.2%
	50 to 64	1,037,756	92.6%	81,944	7.3%	20	0.0%	274	0.0%	847	0.1%
	65 and over	1,537,499	95.2%	76,044	4.7%	15	0.0%	193	0.0%	751	0.0%
Alameda*	18 to 29	27,121	95.9%	910	3.2%	29	0.1%	0	0.0%	233	0.8%
	30 to 49	79,482	96.7%	2,523	3.1%	14	0.0%	0	0.0%	190	0.2%
	50 to 64	80,625	95.7%	3,534	4.2%	5	0.0%	0	0.0%	69	0.1%
	65 and over	107,047	97.0%	3,301	3.0%	2	0.0%	0	0.0%	64	0.1%
Alpine	18 to 29	25	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	30 to 49	92	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	50 to 64	185	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	65 and over	252	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Amador*	18 to 29	688	95.7%	25	3.5%	0	0.0%	5	0.7%	0	0.0%
	30 to 49	2,287	93.8%	136	5.6%	0	0.0%	13	0.5%	3	0.1%
	50 to 64	3,835	94.8%	198	4.9%	0	0.0%	14	0.3%	0	0.0%
	65 and over	7,509	97.6%	176	2.3%	0	0.0%	7	0.1%	1	0.0%
Butte*	18 to 29	3,163	99.0%	13	0.4%	2	0.1%	0	0.0%	17	0.5%
	30 to 49	9,438	99.7%	22	0.2%	1	0.0%	0	0.0%	5	0.1%
	50 to 64	12,382	99.8%	21	0.2%	0	0.0%	0	0.0%	2	0.0%
	65 and over	23,122	99.9%	22	0.1%	0	0.0%	0	0.0%	3	0.0%
Calaveras*	18 to 29	588	90.6%	52	8.0%	0	0.0%	7	1.1%	1	0.2%
	30 to 49	1,864	89.7%	200	9.6%	0	0.0%	13	0.6%	1	0.0%
	50 to 64	3,969	91.7%	332	7.7%	0	0.0%	24	0.6%	2	0.0%
	65 and over	7,998	95.4%	377	4.5%	0	0.0%	13	0.2%	0	0.0%
Colusa	18 to 29	249	92.9%	1	0.4%	17	6.3%	0	0.0%	1	0.4%
	30 to 49	594	90.5%	0	0.0%	61	9.3%	0	0.0%	1	0.2%

Jurisdiction	Age Category	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	50 to 64	910	91.5%	0	0.0%	85	8.5%	0	0.0%	0	0.0%
	65 and over	1,538	92.1%	0	0.0%	131	7.8%	0	0.0%	1	0.1%
Contra Costa	18 to 29	17,666	95.0%	1	0.0%	820	4.4%	0	0.0%	114	0.6%
	30 to 49	48,568	94.3%	0	0.0%	2,866	5.6%	0	0.0%	52	0.1%
	50 to 64	66,114	92.5%	0	0.0%	5,300	7.4%	0	0.0%	34	0.0%
	65 and over	99,608	95.2%	0	0.0%	5,013	4.8%	0	0.0%	29	0.0%
Del Norte	18 to 29	216	87.8%	0	0.0%	28	11.4%	0	0.0%	2	0.8%
	30 to 49	862	84.7%	0	0.0%	156	15.3%	0	0.0%	0	0.0%
	50 to 64	1,486	86.5%	0	0.0%	228	13.3%	0	0.0%	4	0.2%
	65 and over	2,686	90.6%	0	0.0%	277	9.3%	0	0.0%	1	0.0%
El Dorado*	18 to 29	3,312	95.0%	145	4.2%	0	0.0%	9	0.3%	21	0.6%
	30 to 49	10,318	94.4%	588	5.4%	2	0.0%	18	0.2%	9	0.1%
	50 to 64	17,868	94.6%	985	5.2%	0	0.0%	17	0.1%	9	0.0%
	65 and over	27,919	96.6%	970	3.4%	0	0.0%	9	0.0%	12	0.0%
Fresno*	18 to 29	10,035	91.5%	830	7.6%	1	0.0%	57	0.5%	43	0.4%
	30 to 49	25,645	90.3%	2,631	9.3%	0	0.0%	93	0.3%	22	0.1%
	50 to 64	33,208	90.9%	3,269	8.9%	0	0.0%	57	0.2%	17	0.0%
	65 and over	55,840	94.5%	3,210	5.4%	0	0.0%	43	0.1%	25	0.0%
Glenn	18 to 29	491	97.2%	1	0.2%	12	2.4%	0	0.0%	1	0.2%
	30 to 49	1,233	96.1%	0	0.0%	50	3.9%	0	0.0%	0	0.0%
	50 to 64	1,533	95.5%	0	0.0%	68	4.2%	1	0.1%	4	0.2%
	65 and over	2,540	97.0%	0	0.0%	77	2.9%	0	0.0%	1	0.0%
Humboldt	18 to 29	1,977	90.8%	0	0.0%	181	8.3%	0	0.0%	19	0.9%
	30 to 49	7,081	89.7%	0	0.0%	801	10.1%	0	0.0%	10	0.1%
	50 to 64	7,717	89.0%	0	0.0%	953	11.0%	0	0.0%	2	0.0%
	65 and over	14,960	93.4%	0	0.0%	1,047	6.5%	0	0.0%	8	0.0%
Imperial	18 to 29	1,909	95.1%	0	0.0%	95	4.7%	0	0.0%	4	0.2%
	30 to 49	4,186	94.4%	0	0.0%	239	5.4%	0	0.0%	7	0.2%
	50 to 64	5,222	93.6%	0	0.0%	359	6.4%	0	0.0%	1	0.0%
	65 and over	7,072	95.9%	0	0.0%	298	4.0%	0	0.0%	2	0.0%
Inyo	18 to 29	254	88.2%	0	0.0%	34	11.8%	0	0.0%	0	0.0%
	30 to 49	1,130	87.9%	0	0.0%	155	12.1%	0	0.0%	1	0.1%
	50 to 64	1,330	88.4%	0	0.0%	173	11.5%	0	0.0%	1	0.1%
	65 and over	2,500	93.0%	0	0.0%	187	7.0%	0	0.0%	0	0.0%
Kern	18 to 29	9,013	93.9%	1	0.0%	547	5.7%	0	0.0%	40	0.4%
	30 to 49	21,641	92.3%	0	0.0%	1,778	7.6%	0	0.0%	26	0.1%
	50 to 64	29,084	90.2%	0	0.0%	3,121	9.7%	0	0.0%	30	0.1%
	65 and over	43,839	92.5%	0	0.0%	3,520	7.4%	0	0.0%	12	0.0%
Kings*	18 to 29	1,553	94.2%	89	5.4%	0	0.0%	0	0.0%	6	0.4%
	30 to 49	3,883	92.7%	303	7.2%	0	0.0%	0	0.0%	5	0.1%
	50 to 64	4,613	92.5%	372	7.5%	0	0.0%	0	0.0%	4	0.1%

Jurisdiction	Age Category	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	65 and over	6,480	95.6%	294	4.3%	0	0.0%	0	0.0%	3	0.0%
Lake	18 to 29	438	89.4%	0	0.0%	50	10.2%	0	0.0%	2	0.4%
	30 to 49	1,626	89.2%	0	0.0%	193	10.6%	0	0.0%	3	0.2%
	50 to 64	3,274	88.3%	0	0.0%	430	11.6%	0	0.0%	3	0.1%
	65 and over	6,796	91.4%	0	0.0%	643	8.6%	0	0.0%	0	0.0%
Lassen	18 to 29	368	96.6%	0	0.0%	11	2.9%	0	0.0%	2	0.5%
	30 to 49	1,414	97.9%	0	0.0%	29	2.0%	0	0.0%	2	0.1%
	50 to 64	1,865	97.3%	0	0.0%	49	2.6%	0	0.0%	3	0.2%
	65 and over	2,793	98.3%	0	0.0%	46	1.6%	0	0.0%	3	0.1%
Los Angeles*	18 to 29	144,620	85.6%	23,155	13.7%	15	0.0%	1	0.0%	1,187	0.7%
	30 to 49	365,112	84.3%	66,934	15.5%	12	0.0%	0	0.0%	1,030	0.2%
	50 to 64	357,448	81.6%	79,834	18.2%	1	0.0%	0	0.0%	506	0.1%
	65 and over	496,653	87.8%	68,665	12.1%	1	0.0%	0	0.0%	477	0.1%
Madera*	18 to 29	1,807	94.7%	88	4.6%	0	0.0%	2	0.1%	11	0.6%
	30 to 49	4,349	92.1%	362	7.7%	0	0.0%	4	0.1%	8	0.2%
	50 to 64	6,137	93.9%	390	6.0%	0	0.0%	2	0.0%	8	0.1%
	65 and over	11,061	96.2%	427	3.7%	0	0.0%	4	0.0%	3	0.0%
Marin*	18 to 29	4,684	95.1%	194	3.9%	7	0.1%	0	0.0%	38	0.8%
	30 to 49	14,688	96.0%	580	3.8%	8	0.1%	0	0.0%	19	0.1%
	50 to 64	23,005	95.3%	1,119	4.6%	2	0.0%	0	0.0%	17	0.1%
	65 and over	38,132	96.3%	1,439	3.6%	2	0.0%	0	0.0%	9	0.0%
Mariposa*	18 to 29	282	99.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	30 to 49	1,010	99.4%	4	0.4%	0	0.0%	0	0.0%	2	0.2%
	50 to 64	1,724	99.8%	3	0.2%	0	0.0%	0	0.0%	0	0.0%
	65 and over	3,211	99.9%	2	0.1%	0	0.0%	0	0.0%	1	0.0%
Mendocino	18 to 29	956	96.3%	0	0.0%	35	3.5%	0	0.0%	2	0.2%
	30 to 49	3,678	95.3%	0	0.0%	175	4.5%	0	0.0%	8	0.2%
	50 to 64	4,986	96.3%	0	0.0%	189	3.7%	0	0.0%	3	0.1%
	65 and over	11,864	97.5%	0	0.0%	303	2.5%	0	0.0%	4	0.0%
Merced*	18 to 29	2,968	95.2%	136	4.4%	0	0.0%	0	0.0%	12	0.4%
	30 to 49	6,218	94.3%	366	5.5%	0	0.0%	0	0.0%	13	0.2%
	50 to 64	8,282	93.9%	531	6.0%	0	0.0%	0	0.0%	5	0.1%
	65 and over	12,611	96.1%	512	3.9%	0	0.0%	0	0.0%	1	0.0%
Modoc	18 to 29	95	91.3%	0	0.0%	8	7.7%	0	0.0%	1	1.0%
	30 to 49	372	93.9%	0	0.0%	24	6.1%	0	0.0%	0	0.0%
	50 to 64	572	92.7%	0	0.0%	45	7.3%	0	0.0%	0	0.0%
	65 and over	1,300	95.0%	0	0.0%	68	5.0%	0	0.0%	0	0.0%
Mono	18 to 29	148	85.5%	23	13.3%	0	0.0%	0	0.0%	2	1.2%
	30 to 49	648	89.3%	76	10.5%	0	0.0%	0	0.0%	2	0.3%
	50 to 64	905	89.0%	110	10.8%	0	0.0%	0	0.0%	2	0.2%
	65 and over	1,239	91.5%	112	8.3%	0	0.0%	0	0.0%	3	0.2%

Jurisdiction	Age Category	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
Monterey	18 to 29	4,526	96.1%	0	0.0%	153	3.2%	0	0.0%	29	0.6%
	30 to 49	10,922	95.6%	0	0.0%	490	4.3%	0	0.0%	16	0.1%
	50 to 64	16,633	95.2%	0	0.0%	817	4.7%	0	0.0%	13	0.1%
	65 and over	29,787	96.5%	0	0.0%	1,059	3.4%	0	0.0%	10	0.0%
Napa*	18 to 29	2,467	97.5%	46	1.8%	2	0.1%	3	0.1%	12	0.5%
	30 to 49	6,905	97.7%	142	2.0%	1	0.0%	6	0.1%	13	0.2%
	50 to 64	9,897	98.5%	143	1.4%	0	0.0%	4	0.0%	7	0.1%
	65 and over	16,429	98.9%	169	1.0%	2	0.0%	4	0.0%	10	0.1%
Nevada*	18 to 29	1,540	94.1%	85	5.2%	0	0.0%	0	0.0%	11	0.7%
	30 to 49	5,903	92.9%	434	6.8%	2	0.0%	0	0.0%	13	0.2%
	50 to 64	9,032	94.1%	555	5.8%	0	0.0%	0	0.0%	11	0.1%
	65 and over	19,195	96.5%	690	3.5%	1	0.0%	0	0.0%	10	0.1%
Orange*	18 to 29	53,608	89.9%	5,602	9.4%	8	0.0%	0	0.0%	393	0.7%
	30 to 49	115,360	87.4%	16,428	12.4%	2	0.0%	0	0.0%	266	0.2%
	50 to 64	156,987	85.6%	26,342	14.4%	0	0.0%	0	0.0%	148	0.1%
	65 and over	234,308	90.8%	23,451	9.1%	1	0.0%	0	0.0%	155	0.1%
Placer	18 to 29	8,091	93.9%	0	0.0%	471	5.5%	0	0.0%	59	0.7%
	30 to 49	25,016	92.5%	0	0.0%	1,964	7.3%	0	0.0%	56	0.2%
	50 to 64	32,562	91.5%	0	0.0%	3,013	8.5%	0	0.0%	20	0.1%
	65 and over	53,437	94.8%	0	0.0%	2,902	5.1%	0	0.0%	25	0.0%
Plumas	18 to 29	278	99.3%	0	0.0%	0	0.0%	0	0.0%	2	0.7%
	30 to 49	1,041	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	50 to 64	1,926	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	65 and over	3,921	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Riverside*	18 to 29	27,436	93.8%	1,550	5.3%	2	0.0%	0	0.0%	250	0.9%
	30 to 49	67,757	91.8%	5,783	7.8%	3	0.0%	0	0.0%	236	0.3%
	50 to 64	97,694	92.4%	7,848	7.4%	3	0.0%	0	0.0%	209	0.2%
	65 and over	156,216	95.5%	7,218	4.4%	0	0.0%	0	0.0%	204	0.1%
Sacramento*	18 to 29	27,581	96.2%	868	3.0%	7	0.0%	0	0.0%	217	0.8%
	30 to 49	77,433	96.0%	3,038	3.8%	2	0.0%	1	0.0%	208	0.3%
	50 to 64	92,175	96.2%	3,572	3.7%	2	0.0%	0	0.0%	112	0.1%
	65 and over	126,573	97.6%	3,020	2.3%	3	0.0%	0	0.0%	71	0.1%
San Benito*	18 to 29	1,093	93.7%	56	4.8%	0	0.0%	8	0.7%	8	0.7%
	30 to 49	2,678	93.2%	186	6.5%	0	0.0%	6	0.2%	2	0.1%
	50 to 64	3,546	93.6%	236	6.2%	0	0.0%	4	0.1%	2	0.1%
	65 and over	4,496	96.8%	147	3.2%	0	0.0%	2	0.0%	2	0.0%
San Bernardino	18 to 29	19,766	90.7%	0	0.0%	1,884	8.6%	0	0.0%	135	0.6%
	30 to 49	46,446	87.5%	0	0.0%	6,516	12.3%	0	0.0%	116	0.2%
	50 to 64	65,534	86.7%	0	0.0%	9,968	13.2%	0	0.0%	56	0.1%
	65 and over	95,496	90.6%	0	0.0%	9,834	9.3%	0	0.0%	48	0.0%
San Diego*	18 to 29	50,477	93.2%	3,372	6.2%	7	0.0%	0	0.0%	278	0.5%

Jurisdiction	Age Category	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	30 to 49	141,721	92.9%	10,801	7.1%	1	0.0%	0	0.0%	103	0.1%
	50 to 64	175,228	92.1%	15,045	7.9%	1	0.0%	0	0.0%	51	0.0%
	65 and over	256,452	94.8%	13,990	5.2%	1	0.0%	0	0.0%	48	0.0%
San Francisco	18 to 29	21,721	90.5%	0	0.0%	2,205	9.2%	0	0.0%	73	0.3%
	30 to 49	70,764	91.2%	1	0.0%	6,790	8.8%	0	0.0%	43	0.1%
	50 to 64	51,882	89.0%	0	0.0%	6,373	10.9%	0	0.0%	8	0.0%
	65 and over	61,631	91.9%	0	0.0%	5,448	8.1%	0	0.0%	13	0.0%
San Joaquin	18 to 29	8,563	95.0%	1	0.0%	404	4.5%	0	0.0%	46	0.5%
	30 to 49	19,332	92.9%	0	0.0%	1,440	6.9%	0	0.0%	36	0.2%
	50 to 64	28,910	91.9%	0	0.0%	2,539	8.1%	0	0.0%	18	0.1%
	65 and over	43,253	94.3%	0	0.0%	2,582	5.6%	0	0.0%	17	0.0%
San Luis Obispo	18 to 29	5,449	96.9%	0	0.0%	133	2.4%	0	0.0%	42	0.7%
	30 to 49	15,486	96.9%	0	0.0%	475	3.0%	0	0.0%	13	0.1%
	50 to 64	21,933	96.2%	0	0.0%	845	3.7%	0	0.0%	13	0.1%
	65 and over	42,326	97.6%	0	0.0%	1,024	2.4%	0	0.0%	8	0.0%
San Mateo*	18 to 29	13,351	95.3%	561	4.0%	17	0.1%	0	0.0%	81	0.6%
	30 to 49	37,516	95.9%	1,540	3.9%	14	0.0%	0	0.0%	50	0.1%
	50 to 64	45,136	95.0%	2,313	4.9%	2	0.0%	0	0.0%	38	0.1%
	65 and over	62,738	96.7%	2,133	3.3%	1	0.0%	0	0.0%	18	0.0%
Santa Barbara	18 to 29	7,114	94.2%	0	0.0%	384	5.1%	0	0.0%	55	0.7%
	30 to 49	16,668	95.2%	0	0.0%	822	4.7%	0	0.0%	27	0.2%
	50 to 64	22,918	93.5%	0	0.0%	1,570	6.4%	0	0.0%	11	0.0%
	65 and over	41,456	95.1%	0	0.0%	2,110	4.8%	0	0.0%	11	0.0%
Santa Clara*	18 to 29	34,657	95.1%	1,517	4.2%	31	0.1%	0	0.0%	219	0.6%
	30 to 49	76,917	95.2%	3,721	4.6%	9	0.0%	0	0.0%	121	0.1%
	50 to 64	103,135	95.0%	5,406	5.0%	1	0.0%	0	0.0%	50	0.0%
	65 and over	126,021	96.5%	4,593	3.5%	1	0.0%	0	0.0%	34	0.0%
Santa Cruz*	18 to 29	6,367	93.6%	352	5.2%	2	0.0%	33	0.5%	50	0.7%
	30 to 49	16,201	94.6%	838	4.9%	2	0.0%	43	0.3%	36	0.2%
	50 to 64	20,517	94.0%	1,282	5.9%	0	0.0%	24	0.1%	13	0.1%
	65 and over	31,083	95.4%	1,466	4.5%	0	0.0%	19	0.1%	13	0.0%
Shasta	18 to 29	2,734	90.3%	0	0.0%	262	8.7%	0	0.0%	31	1.0%
	30 to 49	9,145	88.1%	0	0.0%	1,189	11.5%	0	0.0%	42	0.4%
	50 to 64	12,701	88.6%	0	0.0%	1,611	11.2%	0	0.0%	23	0.2%
	65 and over	22,518	93.2%	0	0.0%	1,625	6.7%	0	0.0%	15	0.1%
Sierra	18 to 29	34	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	30 to 49	184	99.5%	0	0.0%	0	0.0%	0	0.0%	1	0.5%
	50 to 64	349	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	65 and over	640	99.7%	0	0.0%	0	0.0%	0	0.0%	2	0.3%
Siskiyou	18 to 29	396	89.8%	1	0.2%	37	8.4%	0	0.0%	7	1.6%
	30 to 49	1,637	88.0%	0	0.0%	204	11.0%	0	0.0%	20	1.1%

Jurisdiction	Age Category	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	50 to 64	2,833	87.1%	0	0.0%	387	11.9%	0	0.0%	31	1.0%
	65 and over	6,339	90.9%	0	0.0%	622	8.9%	0	0.0%	12	0.2%
Solano	18 to 29	4,260	91.9%	1	0.0%	354	7.6%	0	0.0%	22	0.5%
	30 to 49	12,113	88.4%	0	0.0%	1,566	11.4%	0	0.0%	21	0.2%
	50 to 64	19,707	87.8%	1	0.0%	2,730	12.2%	0	0.0%	6	0.0%
	65 and over	33,614	92.0%	0	0.0%	2,912	8.0%	0	0.0%	17	0.0%
Sonoma*	18 to 29	8,155	96.1%	277	3.3%	3	0.0%	3	0.0%	45	0.5%
	30 to 49	24,638	96.9%	749	2.9%	3	0.0%	9	0.0%	22	0.1%
	50 to 64	35,421	96.8%	1,131	3.1%	3	0.0%	9	0.0%	17	0.0%
	65 and over	65,730	97.6%	1,615	2.4%	0	0.0%	3	0.0%	19	0.0%
Stanislaus*	18 to 29	6,616	95.8%	254	3.7%	2	0.0%	0	0.0%	33	0.5%
	30 to 49	15,777	94.8%	847	5.1%	0	0.0%	0	0.0%	25	0.2%
	50 to 64	22,083	95.2%	1,109	4.8%	0	0.0%	0	0.0%	11	0.0%
	65 and over	33,611	97.2%	959	2.8%	0	0.0%	0	0.0%	14	0.0%
Sutter	18 to 29	1,617	97.1%	0	0.0%	35	2.1%	0	0.0%	13	0.8%
	30 to 49	3,974	96.6%	0	0.0%	136	3.3%	0	0.0%	4	0.1%
	50 to 64	5,185	96.5%	0	0.0%	187	3.5%	0	0.0%	3	0.1%
	65 and over	7,777	97.7%	0	0.0%	184	2.3%	0	0.0%	0	0.0%
Tehama	18 to 29	677	90.6%	1	0.1%	63	8.4%	0	0.0%	6	0.8%
	30 to 49	2,055	86.5%	0	0.0%	321	13.5%	0	0.0%	1	0.0%
	50 to 64	3,437	86.0%	0	0.0%	559	14.0%	0	0.0%	1	0.0%
	65 and over	6,342	90.5%	0	0.0%	667	9.5%	0	0.0%	1	0.0%
Trinity	18 to 29	124	96.1%	0	0.0%	5	3.9%	0	0.0%	0	0.0%
	30 to 49	603	97.4%	0	0.0%	16	2.6%	0	0.0%	0	0.0%
	50 to 64	899	96.4%	0	0.0%	34	3.6%	0	0.0%	0	0.0%
	65 and over	1,921	97.3%	0	0.0%	52	2.6%	0	0.0%	1	0.1%
Tulare	18 to 29	3,861	91.8%	0	0.0%	301	7.2%	21	0.5%	21	0.5%
	30 to 49	9,083	89.7%	0	0.0%	1,002	9.9%	34	0.3%	11	0.1%
	50 to 64	12,520	89.0%	0	0.0%	1,520	10.8%	23	0.2%	9	0.1%
	65 and over	20,808	92.5%	0	0.0%	1,658	7.4%	26	0.1%	10	0.0%
Tuolumne*	18 to 29	716	95.2%	32	4.3%	0	0.0%	0	0.0%	3	0.4%
	30 to 49	2,579	96.8%	83	3.1%	0	0.0%	0	0.0%	2	0.1%
	50 to 64	4,213	97.0%	126	2.9%	1	0.0%	0	0.0%	3	0.1%
	65 and over	9,039	98.5%	135	1.5%	0	0.0%	0	0.0%	5	0.1%
Ventura*	18 to 29	17,243	92.9%	1,148	6.2%	7	0.0%	100	0.5%	68	0.4%
	30 to 49	38,412	91.2%	3,496	8.3%	0	0.0%	155	0.4%	39	0.1%
	50 to 64	54,203	90.6%	5,496	9.2%	0	0.0%	119	0.2%	37	0.1%
	65 and over	77,023	93.6%	5,160	6.3%	0	0.0%	89	0.1%	18	0.0%
Yolo*	18 to 29	5,131	94.6%	264	4.9%	2	0.0%	0	0.0%	27	0.5%
	30 to 49	11,812	95.3%	559	4.5%	0	0.0%	0	0.0%	21	0.2%
	50 to 64	12,841	95.6%	586	4.4%	0	0.0%	0	0.0%	5	0.0%

Jurisdiction	Age Category	Vote-By-Mail		Vote Center		Polling Place		Nonprovisional CVR		CVR	
	65 and over	17,655	96.8%	568	3.1%	1	0.0%	0	0.0%	8	0.0%
Yuba	18 to 29	718	89.4%	0	0.0%	79	9.8%	0	0.0%	6	0.7%
	30 to 49	2,510	90.4%	0	0.0%	262	9.4%	0	0.0%	6	0.2%
	50 to 64	3,328	88.6%	1	0.0%	423	11.3%	0	0.0%	3	0.1%
	65 and over	4,712	91.1%	2	0.0%	455	8.8%	0	0.0%	1	0.0%

Takeaways

There were 21.9 million registered voters across California during the 2022 Primary Election. The registered electorate in California is primarily comprised of voters aged 30 to 49. Voters aged 30 to 49 made up approximately 7.2 million, or 33.1%, of the state’s registered electorate. The next largest age demographic was voters aged 50 to 64, followed by those aged 65 and over, and then those aged 18 to 29.

While voters aged 65 and over were the third largest age demographic, they represented approximately 40.1% of the ballots cast during the 2022 Primary Election. In contrast, voters aged 30 to 49 comprised the largest share of the registered electorate but had the second lowest percentage of ballots cast at approximately 23%.

The statewide turnout rate was 33% during the 2022 Primary Election. Voters aged 65 and over not only comprised the largest share of ballots cast but also had the highest turnout rates. Our analysis shows that older portions of the electorate will likely participate in elections at rates that can even double average turnout rates. Conversely, the younger the voting demographic, the less likely they are to participate in an election. Voters aged 18 to 29 and 30 to 49 had turnout rates lower than overall averages. While low turnout among young voters is a historical and national phenomenon, the turnout rates discussed above indicate that outreach needs to be targeted to younger voting demographics.

Resembling the trends discussed in previous sections, voters of all age groups widely preferred voting by mail. One noteworthy observation is that voters aged 65 and over favored voting by mail at 1- to 3.5-points higher rates than other age groups.

Voters by Primary Language Groups

Language access has been a cornerstone of ensuring equitable access to the franchise. Federal and California state laws govern language access in all counties in California, including VCA Counties. Using self-reported data on registration language, we analyzed registration, voting, and turnout trends for voters that registered in English and non-English languages, including Spanish, Vietnamese, Chinese, Korean, Tagalog, Japanese, Thai, Hindi, and Khmer. We provide data on each of the 27 VCA counties and group counties into a combined total category that includes Los Angeles and a combined total category that excludes Los Angeles.

As shown in Table 17 below, the age group with the fewest non-English registrants was those 18 to 29 years, with over 32 thousand, or 0.96%, VCA voters registered in a language other than English. More than 132 thousand, or 2.34%, voters in VCA counties aged 30 to 49 registered in a language other than English. More than 301 thousand, or 6.99%, voters ages 50 to 64 registered in a language other than English. The largest non-English age group was voters 65 years and older, with over 352 thousand, or 8.47% non-English registration.

Table 17: Age Category by English and Non-English Registered Voters Across VCA Counties

Jurisdiction	Age Category	Total Registered Voters	English		Non-English	
Total (Los Angeles Included)	18 to 29	3,404,070	3,371,467	99.04%	32,603	0.96%
	30 to 49	5,676,379	5,543,530	97.66%	132,849	2.34%
	50 to 64	4,321,644	4,019,724	93.01%	301,920	6.99%
	65 and over	4,163,242	3,810,673	91.53%	352,569	8.47%
Total (Los Angeles Excluded)	18 to 29	2,224,187	2,201,997	99.00%	22,190	1.00%
	30 to 49	3,669,608	3,586,110	97.72%	83,498	2.28%
	50 to 64	2,895,062	2,726,477	94.18%	168,585	5.82%
	65 and over	2,801,182	2,622,387	93.62%	178,795	6.38%
Alameda*	18 to 29	172,347	170,872	99.14%	1,475	0.86%
	30 to 49	339,791	332,001	97.71%	7,790	2.29%
	50 to 64	242,183	227,715	94.03%	14,468	5.97%
	65 and over	220,635	203,106	92.06%	17,529	7.94%
Amador*	18 to 29	2,979	2,973	99.80%	6	0.20%
	30 to 49	6,360	6,345	99.76%	15	0.24%
	50 to 64	6,952	6,924	99.60%	28	0.40%
	65 and over	10,036	10,016	99.80%	20	0.20%
Butte*	18 to 29	23,912	23,883	99.88%	29	0.12%
	30 to 49	37,689	37,584	99.72%	105	0.28%
	50 to 64	27,885	27,745	99.50%	140	0.50%
	65 and over	34,295	34,194	99.71%	101	0.29%
Calaveras*	18 to 29	3,671	3,666	99.86%	5	0.14%

Jurisdiction	Age Category	Total Registered Voters	English		Non-English	
	30 to 49	7,839	7,816	99.71%	23	0.29%
	50 to 64	8,742	8,717	99.71%	25	0.29%
	65 and over	11,733	11,711	99.81%	22	0.19%
El Dorado*	18 to 29	19,010	18,951	99.69%	59	0.31%
	30 to 49	39,217	39,074	99.64%	143	0.36%
	50 to 64	38,319	38,083	99.38%	236	0.62%
	65 and over	41,662	41,488	99.58%	174	0.42%
Fresno*	18 to 29	113,795	112,765	99.09%	1,030	0.91%
	30 to 49	175,206	172,190	98.28%	3,016	1.72%
	50 to 64	112,300	106,688	95.00%	5,612	5.00%
	65 and over	111,919	106,300	94.98%	5,619	5.02%
Kings*	18 to 29	14,420	14,323	99.33%	97	0.67%
	30 to 49	22,177	21,803	98.31%	374	1.69%
	50 to 64	13,969	13,220	94.64%	749	5.36%
	65 and over	12,695	11,992	94.46%	703	5.54%
Los Angeles*	18 to 29	1,179,883	1,169,470	99.12%	10,413	0.88%
	30 to 49	2,006,771	1,957,420	97.54%	49,351	2.46%
	50 to 64	1,426,582	1,293,247	90.65%	133,335	9.35%
	65 and over	1,362,060	1,188,286	87.24%	173,774	12.76%
Madera*	18 to 29	16,293	16,128	98.99%	165	1.01%
	30 to 49	22,359	21,804	97.52%	555	2.48%
	50 to 64	16,744	15,736	93.98%	1,008	6.02%
	65 and over	18,945	17,964	94.82%	981	5.18%
Marin*	18 to 29	22,574	22,474	99.56%	100	0.44%
	30 to 49	44,757	44,387	99.17%	370	0.83%
	50 to 64	48,279	47,723	98.85%	556	1.15%
	65 and over	55,696	55,261	99.22%	435	0.78%
Mariposa*	18 to 29	1,300	1,296	99.69%	4	0.31%
	30 to 49	2,877	2,873	99.86%	4	0.14%
	50 to 64	3,177	3,160	99.46%	17	0.54%
	65 and over	4,306	4,296	99.77%	10	0.23%
Merced*	18 to 29	32,670	32,267	98.77%	403	1.23%
	30 to 49	42,051	40,696	96.78%	1,355	3.22%
	50 to 64	28,730	26,398	91.88%	2,332	8.12%
	65 and over	26,098	24,177	92.64%	1,921	7.36%
Napa*	18 to 29	14,382	14,184	98.62%	198	1.38%
	30 to 49	24,731	24,050	97.25%	681	2.75%

Jurisdiction	Age Category	Total Registered Voters	English		Non-English	
	50 to 64	21,820	20,705	94.89%	1,115	5.11%
	65 and over	25,480	24,670	96.82%	810	3.18%
Nevada*	18 to 29	8,505	8,474	99.64%	31	0.36%
	30 to 49	21,270	21,224	99.78%	46	0.22%
	50 to 64	18,439	18,391	99.74%	48	0.26%
	65 and over	26,972	26,943	99.89%	29	0.11%
Orange*	18 to 29	380,375	376,738	99.04%	3,637	0.96%
	30 to 49	569,574	553,896	97.25%	15,678	2.75%
	50 to 64	496,263	455,699	91.83%	40,564	8.17%
	65 and over	475,026	425,217	89.51%	49,809	10.49%
Riverside*	18 to 29	288,760	285,992	99.04%	2,768	0.96%
	30 to 49	428,487	418,647	97.70%	9,840	2.30%
	50 to 64	329,133	307,992	93.58%	21,141	6.42%
	65 and over	310,663	293,145	94.36%	17,518	5.64%
Sacramento*	18 to 29	167,598	166,487	99.34%	1,111	0.66%
	30 to 49	298,275	293,839	98.51%	4,436	1.49%
	50 to 64	215,352	208,470	96.80%	6,882	3.20%
	65 and over	202,061	194,687	96.35%	7,374	3.65%
San Benito*	18 to 29	7,986	7,883	98.71%	103	1.29%
	30 to 49	12,890	12,573	97.54%	317	2.46%
	50 to 64	9,708	9,162	94.38%	546	5.62%
	65 and over	8,011	7,566	94.45%	445	5.55%
San Diego*	18 to 29	381,780	375,652	98.39%	6,128	1.61%
	30 to 49	669,681	653,173	97.53%	16,508	2.47%
	50 to 64	487,343	460,884	94.57%	26,459	5.43%
	65 and over	457,849	433,139	94.60%	24,710	5.40%
San Mateo*	18 to 29	74,519	73,971	99.26%	548	0.74%
	30 to 49	141,867	139,191	98.11%	2,676	1.89%
	50 to 64	116,248	111,028	95.51%	5,220	4.49%
	65 and over	115,634	108,987	94.25%	6,647	5.75%
Santa Clara*	18 to 29	202,727	200,724	99.01%	2,003	0.99%
	30 to 49	325,495	314,002	96.47%	11,493	3.53%
	50 to 64	292,450	265,869	90.91%	26,581	9.09%
	65 and over	252,345	221,615	87.82%	30,730	12.18%
Santa Cruz*	18 to 29	30,849	30,568	99.09%	281	0.91%
	30 to 49	51,426	50,555	98.31%	871	1.69%
	50 to 64	42,448	40,904	96.36%	1,544	3.64%

Jurisdiction	Age Category	Total Registered Voters	English		Non-English	
	65 and over	47,286	45,829	96.92%	1,457	3.08%
Sonoma*	18 to 29	48,942	48,575	99.25%	367	0.75%
	30 to 49	87,894	86,714	98.66%	1,180	1.34%
	50 to 64	76,784	74,945	97.60%	1,839	2.40%
	65 and over	94,582	93,552	98.91%	1,030	1.09%
Stanislaus*	18 to 29	62,081	61,463	99.00%	618	1.00%
	30 to 49	96,298	94,108	97.73%	2,190	2.27%
	50 to 64	68,244	64,881	95.07%	3,363	4.93%
	65 and over	63,369	60,361	95.25%	3,008	4.75%
Tuolumne*	18 to 29	4,094	4,086	99.80%	8	0.20%
	30 to 49	8,944	8,934	99.89%	10	0.11%
	50 to 64	8,820	8,799	99.76%	21	0.24%
	65 and over	13,345	13,328	99.87%	17	0.13%
Ventura*	18 to 29	101,273	100,425	99.16%	848	0.84%
	30 to 49	153,597	150,330	97.87%	3,267	2.13%
	50 to 64	136,897	129,648	94.70%	7,249	5.30%
	65 and over	133,176	126,152	94.73%	7,024	5.27%
Yolo*	18 to 29	27,345	27,177	99.39%	168	0.61%
	30 to 49	38,856	38,301	98.57%	555	1.43%
	50 to 64	27,833	26,991	96.97%	842	3.03%
	65 and over	27,363	26,691	97.54%	672	2.46%

Table 18 below shows the total number of registered voters for each of the ten languages we have data on, as well as an “Other” category. As shown in Table 18 below, more than 15.9 million VCA voters registered in English. Of the non-English registered voters, over 507 thousand registered in Spanish. The next largest non-English group was Chinese, with over 105 thousand registered voters. The fourth largest language group was Vietnamese, with 104 thousand registered VCA voters. Over 62 thousand voters in VCA registered in Korean, and more than 13 thousand registered in Tagalog. There were 4,913 Japanese-speaking voters registered at the time of the 2022 Primary Election. Thai, Hindi, and Khmer had 3,919, 2,872, and 2,211 voters registered in each language group, respectively. The remaining 12,427 VCA voters were registered in a language other than those listed in the table.

Table 18: Language for Registered Voters Across VCA Counties

Jurisdiction	Total Registered	English	Spanish	Vietnamese	Chinese	Korean	Tagalog	Other (Not Listed)	Japanese	Thai	Hindi	Khmer
Total (Los Angeles Included)	16,742,926	15,925,705	507,200	104,195	105,834	62,812	13,394	12,427	4,913	3,919	2,872	2,211

Jurisdiction	Total Registered	English	Spanish	Vietnamese	Chinese	Korean	Tagalog	Other (Not Listed)	Japanese	Thai	Hindi	Khmer
Total (Los Angeles Excluded)	11,135,051	10,684,006	257,208	91,476	57,933	25,691	7,529	6,618	1,969	1,295	2,312	954
Alameda*	933,608	892,443	13,711	4,061	20,395	1,375	846	53	127	123	447	113
Amador*	26,255	26,188	46	5	4	2	2	6	3	0	1	0
Butte*	123,401	123,030	283	21	22	9	3	16	7	6	6	2
Calaveras*	31,909	31,835	58	1	5	1	0	1	2	2	2	3
El Dorado*	137,591	136,985	380	32	78	54	18	16	12	9	9	3
Fresno*	497,894	482,666	13,390	377	279	121	65	949	0	0	0	94
Kings*	61,330	59,414	1,852	16	14	4	25	0	3	2	5	2
Los Angeles*	5,607,875	5,241,699	249,992	12,719	47,901	37,121	5,865	5,809	2,944	2,624	560	1,257
Madera*	71,617	68,924	2,609	11	19	9	4	29	3	6	18	1
Marin*	169,835	168,384	1,016	134	140	86	3	15	32	16	13	6
Mariposa*	11,624	11,590	28	0	1	6	0	0	0	0	0	0
Merced*	123,522	117,528	5,694	48	46	22	21	81	6	8	81	3
Napa*	83,603	80,807	2,632	49	33	20	39	2	6	7	10	5
Nevada*	75,024	74,878	124	5	14	1	1	0	2	4	1	2
Orange*	1,811,282	1,701,888	39,871	42,940	7,996	16,472	525	477	616	288	274	211
Riverside*	1,305,452	1,254,537	44,843	1,502	420	1,568	419	1,943	109	190	150	101
Sacramento*	863,351	843,681	9,275	3,811	3,179	821	570	1,421	103	111	457	51
San Benito*	37,175	35,773	1,364	12	10	8	9	2	2	2	1	1
San Diego*	1,922,582	1,849,041	59,410	7,037	3,013	1,373	2,000	282	314	179	90	104
San Mateo*	433,091	418,090	7,874	238	5,589	384	588	135	149	73	48	12
Santa Clara*	1,001,970	931,423	17,954	30,351	15,552	2,791	2,143	939	360	108	462	137
Santa Cruz*	167,808	163,704	3,920	20	90	43	21	7	16	20	2	14
Sonoma*	303,740	299,370	3,778	203	196	75	26	25	18	37	31	27
Stanislaus*	280,702	271,632	8,441	180	151	31	45	137	5	19	123	47
Tuolumne*	35,137	35,091	45	1	3	3	1	0	0	2	1	0
Ventura*	506,468	488,180	16,779	372	476	363	143	51	60	74	54	7
Yolo*	119,080	116,924	1,831	49	208	49	12	31	14	9	26	8

Like Table 18 above, Table 19 shows voters registered in language groups represented as percentages. Below, English-speaking voters represent 95.12% of all VCA registered voters. Spanish is the next largest language group, representing 3.03% of the VCA registered electorate. At the time of the 2022 Primary Election, no other language group comprised more than 1% of the registered voters in VCA counties.

Table 19: Percent Language for Registered Voters Across VCA Counties

Jurisdiction	Total Registered	English	Spanish	Vietnamese	Chinese	Korean	Tagalog	Other (Not Listed)	Japanese	Thai	Hindi	Khmer
Total (Los Angeles Included)	16,742,926	95.12%	3.03%	0.62%	0.63%	0.38%	0.08%	0.07%	0.03%	0.02%	0.02%	0.01%
Total (Los Angeles Excluded)	11,135,051	95.95%	2.31%	0.82%	0.52%	0.23%	0.07%	0.06%	0.02%	0.01%	0.02%	0.01%
Alameda*	933,608	95.59%	1.47%	0.43%	2.18%	0.15%	0.09%	0.01%	0.01%	0.01%	0.05%	0.01%
Amador*	26,255	99.74%	0.18%	0.02%	0.02%	0.01%	0.01%	0.02%	0.01%	-	0.00%	-
Butte*	123,401	99.70%	0.23%	0.02%	0.02%	0.01%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%
Calaveras*	31,909	99.77%	0.18%	0.00%	0.02%	0.00%	-	0.00%	0.01%	0.01%	0.01%	0.01%
El Dorado*	137,591	99.56%	0.28%	0.02%	0.06%	0.04%	0.01%	0.01%	0.01%	0.01%	0.01%	0.00%
Fresno*	497,894	96.94%	2.69%	0.08%	0.06%	0.02%	0.01%	0.19%	-	-	-	0.02%
Kings*	61,330	96.88%	3.02%	0.03%	0.02%	0.01%	0.04%	-	0.00%	0.00%	0.01%	0.00%
Los Angeles*	5,607,875	93.47%	4.46%	0.23%	0.85%	0.66%	0.10%	0.10%	0.05%	0.05%	0.01%	0.02%
Madera*	71,617	96.24%	3.64%	0.02%	0.03%	0.01%	0.01%	0.04%	0.00%	0.01%	0.03%	0.00%
Marin*	169,835	99.15%	0.60%	0.08%	0.08%	0.05%	0.00%	0.01%	0.02%	0.01%	0.01%	0.00%
Mariposa*	11,624	99.71%	0.24%	-	0.01%	0.05%	-	-	-	-	-	-
Merced*	123,522	95.15%	4.61%	0.04%	0.04%	0.02%	0.02%	0.07%	0.00%	0.01%	0.07%	0.00%
Napa*	83,603	96.66%	3.15%	0.06%	0.04%	0.02%	0.05%	0.00%	0.01%	0.01%	0.01%	0.01%
Nevada*	75,024	99.81%	0.17%	0.01%	0.02%	0.00%	0.00%	-	0.00%	0.01%	0.00%	0.00%
Orange*	1,811,282	93.96%	2.20%	2.37%	0.44%	0.91%	0.03%	0.03%	0.03%	0.02%	0.02%	0.01%
Riverside*	1,305,452	96.10%	3.44%	0.12%	0.03%	0.12%	0.03%	0.15%	0.01%	0.01%	0.01%	0.01%

Jurisdiction	Total Registered	English	Spanish	Vietnamese	Chinese	Korean	Tagalog	Other (Not Listed)	Japanese	Thai	Hindi	Khmer
Sacramento*	863,351	97.72%	1.07%	0.44%	0.37%	0.10%	0.07%	0.16%	0.01%	0.01%	0.05%	0.01%
San Benito*	37,175	96.23%	3.67%	0.03%	0.03%	0.02%	0.02%	0.01%	0.01%	0.01%	0.00%	0.00%
San Diego*	1,922,582	96.17%	3.09%	0.37%	0.16%	0.07%	0.10%	0.01%	0.02%	0.01%	0.00%	0.01%
San Mateo*	433,091	96.54%	1.82%	0.05%	1.29%	0.09%	0.14%	0.03%	0.03%	0.02%	0.01%	0.00%
Santa Clara*	1,001,970	92.96%	1.79%	3.03%	1.55%	0.28%	0.21%	0.09%	0.04%	0.01%	0.05%	0.01%
Santa Cruz*	167,808	97.55%	2.34%	0.01%	0.05%	0.03%	0.01%	0.00%	0.01%	0.01%	0.00%	0.01%
Sonoma*	303,740	98.56%	1.24%	0.07%	0.06%	0.02%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
Stanislaus*	280,702	96.77%	3.01%	0.06%	0.05%	0.01%	0.02%	0.05%	0.00%	0.01%	0.04%	0.02%
Tuolumne*	35,137	99.87%	0.13%	0.00%	0.01%	0.01%	0.00%	-	-	0.01%	0.00%	-
Ventura*	506,468	96.39%	3.31%	0.07%	0.09%	0.07%	0.03%	0.01%	0.01%	0.01%	0.01%	0.00%
Yolo*	119,080	98.19%	1.54%	0.04%	0.17%	0.04%	0.01%	0.03%	0.01%	0.01%	0.02%	0.01%

Table 20 below shows nativity by English and non-English registered status for voters across VCA counties at the time of the 2022 Primary Election. When an individual registers to vote, they self-report their place of birth by U.S. state or country. The table below cross-analyzes this nativity data with English language status.

As shown in Table 20, of the 11.1 million VCA voters born in the United States, 11.0 million, or 99.35%, are registered to vote in English. The remaining 72 thousand, or 0.65%, are registered to vote in a language other than English. In comparison, of the nearly 5.6 million VCA voters born U.S. abroad, 4.8 million, or 86.62%, were registered to vote in English. The remaining 747 thousand voters born outside the U.S., or 13.38%, were registered to vote in a language other than English.

Table 20: Birthplace by English and Non-English Registered Voters Across VCA Counties

Jurisdiction	Birthplace	Total Registered	English		Non-English	
Total (Los Angeles Included)	U.S.	11,164,036	11,091,448	99.35%	72,588	0.65%
	Abroad	5,583,278	4,836,078	86.62%	747,200	13.38%
Total (Los Angeles Excluded)	U.S.	7,774,724	7,722,826	99.33%	51,898	0.67%
	Abroad	3,363,316	2,962,220	88.07%	401,096	11.93%
Alameda*	U.S.	561,481	559,605	99.67%	1,876	0.33%
	Abroad	372,349	332,974	89.43%	39,375	10.57%
Amador*	U.S.	22,263	22,246	99.92%	17	0.08%
	Abroad	3,994	3,942	98.70%	52	1.30%
Butte*	U.S.	116,663	116,497	99.86%	166	0.14%
	Abroad	6,743	6,534	96.90%	209	3.10%
Calaveras*	U.S.	26,658	26,650	99.97%	8	0.03%
	Abroad	5,253	5,186	98.72%	67	1.28%
El Dorado*	U.S.	108,163	108,094	99.94%	69	0.06%
	Abroad	29,442	28,899	98.16%	543	1.84%
Fresno*	U.S.	356,927	355,456	99.59%	1,471	0.41%
	Abroad	141,069	127,265	90.21%	13,804	9.79%
Kings*	U.S.	42,253	42,080	99.59%	173	0.41%
	Abroad	19,102	17,352	90.84%	1,750	9.16%
Los Angeles*	U.S.	3,389,312	3,368,622	99.39%	20,690	0.61%
	Abroad	2,219,962	1,873,858	84.41%	346,104	15.59%
Madera*	U.S.	64,538	63,528	98.44%	1,010	1.56%
	Abroad	7,098	5,399	76.06%	1,699	23.94%
Marin*	U.S.	134,631	134,484	99.89%	147	0.11%
	Abroad	35,219	33,905	96.27%	1,314	3.73%
Mariposa*	U.S.	9,548	9,547	99.99%	1	0.01%
	Abroad	2,078	2,044	98.36%	34	1.64%
Merced*	U.S.	73,334	72,815	99.29%	519	0.71%
	Abroad	50,212	44,721	89.06%	5,491	10.94%
Napa*	U.S.	58,269	58,103	99.72%	166	0.28%
	Abroad	25,343	22,706	89.59%	2,637	10.41%
Nevada*	U.S.	61,265	61,238	99.96%	27	0.04%
	Abroad	13,791	13,664	99.08%	127	0.92%
Orange*	U.S.	1,179,748	1,173,323	99.46%	6,425	0.54%
	Abroad	631,951	528,706	83.66%	103,245	16.34%
Riverside*	U.S.	965,793	957,115	99.10%	8,678	0.90%
	Abroad	340,332	297,763	87.49%	42,569	12.51%
Sacramento*	U.S.	611,284	609,607	99.73%	1,677	0.27%
	Abroad	252,261	234,139	92.82%	18,122	7.18%

Jurisdiction	Birthplace	Total Registered	English		Non-English	
San Benito*	U.S.	25,808	25,676	99.49%	132	0.51%
	Abroad	11,383	10,104	88.76%	1,279	11.24%
San Diego*	U.S.	1,306,456	1,298,566	99.40%	7,890	0.60%
	Abroad	616,414	550,502	89.31%	65,912	10.69%
San Mateo*	U.S.	270,781	269,646	99.58%	1,135	0.42%
	Abroad	162,445	148,490	91.41%	13,955	8.59%
Santa Clara*	U.S.	703,530	687,583	97.73%	15,947	2.27%
	Abroad	298,729	243,873	81.64%	54,856	18.36%
Santa Cruz*	U.S.	133,823	133,425	99.70%	398	0.30%
	Abroad	34,044	30,289	88.97%	3,755	11.03%
Sonoma*	U.S.	243,234	242,870	99.85%	364	0.15%
	Abroad	60,564	56,512	93.31%	4,052	6.69%
Stanislaus*	U.S.	188,016	187,196	99.56%	820	0.44%
	Abroad	92,814	84,455	90.99%	8,359	9.01%
Tuolumne*	U.S.	27,790	27,783	99.97%	7	0.03%
	Abroad	7,358	7,309	99.33%	49	0.67%
Ventura*	U.S.	399,028	396,448	99.35%	2,580	0.65%
	Abroad	107,596	91,797	85.32%	15,799	14.68%
Yolo*	U.S.	83,440	83,245	99.77%	195	0.23%
	Abroad	35,732	33,690	94.29%	2,042	5.71%

Table 21 below shows the voter turnout rate by the languages listed on the California voter file. Voter turnout rates are calculated by dividing the number of ballots cast by the number of registered voters for each language group.

As shown in Table 21 below, the total turnout rate for all VCA counties was 33.1%. English-speaking VCA voters had a turnout rate of 33.4% while Spanish-speaking voters had a turnout rate of 21.4%. VCA voters registered in Vietnamese had a turnout rate of 35.3%, while Chinese-speaking voters had a turnout rate of 26.1%. Voters registered in Korean had a turnout rate of 33.7%, and Tagalog-speaking voters had a turnout rate of 30.3%. Japanese, Thai, Hindi, and Khmer voters had turnout rates of 29.7%, 26.5%, 20.8%, and 19.3%, respectively. Those VCA voters registered in a language other than those listed had a turnout rate of 27.5%.

Table 21: Turnout by Language Across VCA Counties

Jurisdiction	Category	Total	English	Spanish	Vietnamese	Chinese	Korean	Tagalog	Other	Japanese	Thai	Hindi	Khmer
Total (Los Angeles Included)	Registered	16,742,926	15,925,705	507,200	104,195	105,834	62,812	13,394	12,427	4,913	3,919	2,872	2,211
	Voted	5,533,542	5,325,849	108,306	36,827	27,673	21,145	4,055	3,413	1,461	1,038	598	427

Jurisdiction	Category	Total	English	Spanish	Vietnamese	Chinese	Korean	Tagalog	Other	Japanese	Thai	Hindi	Khmer
	Turnout Rate	33.1%	33.4%	21.4%	35.3%	26.1%	33.7%	30.3%	27.5%	29.7%	26.5%	20.8%	19.3%
Total (Los Angeles Excluded)	Registered	11,135,051	10,684,006	257,208	91,476	57,933	25,691	7,529	6,618	1,969	1,295	2,312	954
	Voted	3,927,891	3,807,239	52,549	33,955	17,476	8,946	2,295	1,534	640	356	511	188
	Turnout Rate	35.3%	35.6%	20.4%	37.1%	30.2%	34.8%	30.5%	23.2%	32.5%	27.5%	22.1%	19.7%
Alameda*	Registered	933,608	892,443	13,711	4,061	20,395	1,375	846	53	127	123	447	113
	Voted	305,149	295,243	2,545	989	5,406	247	249	12	35	34	99	25
	Turnout Rate	32.7%	33.1%	18.6%	24.4%	26.5%	18.0%	29.4%	22.6%	27.6%	27.6%	22.1%	22.1%
Amador*	Registered	26,255	26,188	46	5	4	2	2	6	3	0	1	0
	Voted	14,897	14,871	13	1	1	2	0	2	2	0	0	0
	Turnout Rate	56.7%	56.8%	28.3%	20.0%	25.0%	100.0%	-	33.3%	66.7%	-	-	-
Butte*	Registered	123,401	123,030	283	21	22	9	3	16	7	6	6	2
	Voted	48,213	48,120	44	2	6	1	2	2	2	1	2	1
	Turnout Rate	39.1%	39.1%	15.5%	9.5%	27.3%	11.1%	66.7%	12.5%	28.6%	16.7%	33.3%	50.0%
Calaveras*	Registered	31,909	31,835	58	1	5	1	0	1	2	2	2	3
	Voted	15,441	15,416	4	1	1	0	0	0	2	2	1	2
	Turnout Rate	48.4%	48.4%	6.9%	100.0%	20.0%	-	-	-	100.0%	100.0%	50.0%	66.7%
El Dorado*	Registered	137,591	136,985	380	32	78	54	18	16	12	9	9	3
	Voted	62,211	62,057	50	5	19	13	2	4	3	3	0	1
	Turnout Rate	45.2%	45.3%	13.2%	15.6%	24.4%	24.1%	11.1%	25.0%	25.0%	33.3%	-	33.3%
Fresno*	Registered	497,894	482,666	13,390	377	279	121	65	949	0	0	0	94
	Voted	135,026	131,818	2,703	71	64	14	19	262	0	0	0	11
	Turnout Rate	27.1%	27.3%	20.2%	18.8%	22.9%	11.6%	29.2%	27.6%	-	-	-	11.7%
Kings*	Registered	61,330	59,414	1,852	16	14	4	25	0	3	2	5	2
	Voted	17,605	17,224	357	3	4	3	6	0	2	1	2	0
	Turnout Rate	28.7%	29.0%	19.3%	18.8%	28.6%	75.0%	24.0%	-	66.7%	50.0%	40.0%	-
Los Angeles*	Registered	5,607,875	5,241,699	249,992	12,719	47,901	37,121	5,865	5,809	2,944	2,624	560	1,257
	Voted	1,605,651	1,518,610	55,757	2,872	10,197	12,199	1,760	1,879	821	682	87	239
	Turnout Rate	28.6%	29.0%	22.3%	22.6%	21.3%	32.9%	30.0%	32.3%	27.9%	26.0%	15.5%	19.0%
Madera*	Registered	71,617	68,924	2,609	11	19	9	4	29	3	6	18	1
	Voted	24,663	24,065	565	1	7	3	1	5	2	2	1	0
	Turnout Rate	34.4%	34.9%	21.7%	9.1%	36.8%	33.3%	25.0%	17.2%	66.7%	33.3%	5.6%	-
Marin*	Registered	169,835	168,384	1,016	134	140	86	3	15	32	16	13	6
	Voted	83,943	83,544	220	37	34	20	0	6	12	5	1	2
	Turnout Rate	49.4%	49.6%	21.7%	27.6%	24.3%	23.3%	-	40.0%	37.5%	31.3%	7.7%	33.3%
Mariposa*	Registered	11,624	11,590	28	0	1	6	0	0	0	0	0	0
	Voted	6,239	6,228	4	0	0	1	0	0	0	0	0	0
	Turnout Rate	53.7%	53.7%	14.3%	-	-	16.7%	-	-	-	-	-	-

Jurisdiction	Category	Total	English	Spanish	Vietnamese	Chinese	Korean	Tagalog	Other	Japanese	Thai	Hindi	Khmer
Merced*	Registered	123,522	117,528	5,694	48	46	22	21	81	6	8	81	3
	Voted	31,655	30,563	984	13	13	6	9	21	0	2	25	0
	Turnout Rate	25.6%	26.0%	17.3%	27.1%	28.3%	27.3%	42.9%	25.9%	-	25.0%	30.9%	-
Napa*	Registered	83,603	80,807	2,632	49	33	20	39	2	6	7	10	5
	Voted	36,262	35,580	614	12	11	5	8	0	2	2	4	3
	Turnout Rate	43.4%	44.0%	23.3%	24.5%	33.3%	25.0%	20.5%	-	33.3%	28.6%	40.0%	60.0%
Nevada*	Registered	75,024	74,878	124	5	14	1	1	0	2	4	1	2
	Voted	37,482	37,436	14	2	5	1	0	0	1	1	0	0
	Turnout Rate	50.0%	50.0%	11.3%	40.0%	35.7%	100.0%	-	-	50.0%	25.0%	-	-
Orange*	Registered	1,811,282	1,701,888	39,871	42,940	7,996	16,472	525	477	616	288	274	211
	Voted	633,059	597,094	8,536	17,599	2,220	6,692	144	102	178	72	47	38
	Turnout Rate	35.0%	35.1%	21.4%	41.0%	27.8%	40.6%	27.4%	21.4%	28.9%	25.0%	17.2%	18.0%
Riverside*	Registered	1,305,452	1,254,537	44,843	1,502	420	1,568	419	1,943	109	190	150	101
	Voted	372,409	362,922	7,852	317	95	375	96	306	33	53	39	26
	Turnout Rate	28.5%	28.9%	17.5%	21.1%	22.6%	23.9%	22.9%	15.7%	30.3%	27.9%	26.0%	25.7%
Sacramento*	Registered	863,351	843,681	9,275	3,811	3,179	821	570	1,421	103	111	457	51
	Voted	334,883	328,671	2,506	1,425	972	258	237	448	50	31	114	6
	Turnout Rate	38.8%	39.0%	27.0%	37.4%	30.6%	31.4%	41.6%	31.5%	48.5%	27.9%	24.9%	11.8%
San Benito*	Registered	37,175	35,773	1,364	12	10	8	9	2	2	2	1	1
	Voted	12,472	12,165	288	4	5	2	1	0	1	0	0	0
	Turnout Rate	33.5%	34.0%	21.1%	33.3%	50.0%	25.0%	11.1%	-	50.0%	-	-	-
San Diego*	Registered	1,922,582	1,849,041	59,410	7,037	3,013	1,373	2,000	282	314	179	90	104
	Voted	667,576	651,449	11,745	2,253	813	295	615	41	99	38	17	27
	Turnout Rate	34.7%	35.2%	19.8%	32.0%	27.0%	21.5%	30.8%	14.5%	31.5%	21.2%	18.9%	26.0%
San Mateo*	Registered	433,091	418,090	7,874	238	5,589	384	588	135	149	73	48	12
	Voted	165,509	161,582	1,843	51	1,540	81	168	27	55	21	13	0
	Turnout Rate	38.2%	38.6%	23.4%	21.4%	27.6%	21.1%	28.6%	20.0%	36.9%	28.8%	27.1%	-
Santa Clara*	Registered	1,001,970	931,423	17,954	30,351	15,552	2,791	2,143	939	360	108	462	137
	Voted	356,433	332,905	4,424	10,965	5,975	775	668	243	116	29	99	28
	Turnout Rate	35.6%	35.7%	24.6%	36.1%	38.4%	27.8%	31.2%	25.9%	32.2%	26.9%	21.4%	20.4%
Santa Cruz*	Registered	167,808	163,704	3,920	20	90	43	21	7	16	20	2	14
	Voted	78,341	77,356	872	4	24	9	7	2	2	5	1	5
	Turnout Rate	46.7%	47.3%	22.2%	20.0%	26.7%	20.9%	33.3%	28.6%	12.5%	25.0%	50.0%	35.7%
Sonoma*	Registered	303,740	299,370	3,778	203	196	75	26	25	18	37	31	27
	Voted	137,852	136,933	664	44	58	19	7	3	10	13	2	5
	Turnout Rate	45.4%	45.7%	17.6%	21.7%	29.6%	25.3%	26.9%	12.0%	55.6%	35.1%	6.5%	18.5%
Stanislaus*	Registered	280,702	271,632	8,441	180	151	31	45	137	5	19	123	47

Jurisdiction	Category	Total	English	Spanish	Vietnamese	Chinese	Korean	Tagalog	Other	Japanese	Thai	Hindi	Khmer
	Voted	81,341	79,588	1,558	47	35	10	9	27	4	7	27	7
	Turnout Rate	29.0%	29.3%	18.5%	26.1%	23.2%	32.3%	20.0%	19.7%	80.0%	36.8%	22.0%	14.9%
Tuolumne*	Registered	35,137	35,091	45	1	3	3	1	0	0	2	1	0
	Voted	16,937	16,923	6	0	1	0	0	0	0	1	0	0
	Turnout Rate	48.2%	48.2%	13.3%	-	33.3%	-	-	-	-	50.0%	-	-
Ventura*	Registered	506,468	488,180	16,779	372	476	363	143	51	60	74	54	7
	Voted	202,813	198,475	3,779	98	113	102	43	16	23	29	13	0
	Turnout Rate	40.0%	40.7%	22.5%	26.3%	23.7%	28.1%	30.1%	31.4%	38.3%	39.2%	24.1%	-
Yolo*	Registered	119,080	116,924	1,831	49	208	49	12	31	14	9	26	8
	Voted	49,480	49,011	359	11	54	12	4	5	6	4	4	1
	Turnout Rate	41.6%	41.9%	19.6%	22.4%	26.0%	24.5%	33.3%	16.1%	42.9%	44.4%	15.4%	12.5%

Table 22 below shows the voting methods utilized by voters registered in English and non-English languages. At the time of the 2022 Primary Election, vote-by-mail was widely the preferred method of casting ballots statewide. Below, the table shows that of the 5.3 million English-speaking VCA voters, nearly 4.9 million, or 91.3%, voted by mail. The next most utilized voting method was casting a ballot in-person at a vote center with 455 thousand, or 8.6%, of VCA ballots. The remaining 1,035 (0.01%) and 6,500 (0.01%) ballots were cast using non-provisional CVR and CVR, respectively.

Table 22 also shows that of more than 204 thousand VCA voters registered in a language other than English, over 188 thousand, or 92.0%, voted by mail. The second preferred method for non-English speaking voters was voting in person at a vote center, with more than 16 thousand, or 7.8%, choosing this method. The remaining 20 (0.01%) and 281 (0.01%) ballots were cast using a non-provisional CVR and CVR, respectively.

Table 22: Voting Method by Language Across VCA Counties

Jurisdiction	Voting Method	English		Non-English	
Total (Los Angeles Included)	Total Voted	5,325,864	-	204,944	-
	Vote-By-Mail	4,862,961	91.3%	188,608	92.0%
	Vote Center	455,368	8.6%	16,035	7.8%
	Nonprovisional CVR	1,035	0.0%	20	0.0%
	CVR	6,500	0.1%	281	0.1%
Total (Los Angeles Excluded)	Total Voted	3,807,241	-	118,450	-
	Vote-By-Mail	3,574,814	93.9%	113,144	95.5%
	Vote Center	227,679	6.0%	5,124	4.3%
	Nonprovisional CVR	1,035	0.0%	20	0.0%
	CVR	3,713	0.1%	162	0.1%

Jurisdiction	Voting Method	English		Non-English	
Alameda*	Total Voted	295,244	-	9,641	-
	Vote-By-Mail	284,852	96.5%	9,378	97.3%
	Vote Center	10,022	3.4%	247	2.6%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	370	0.1%	16	0.2%
Amador*	Total Voted	14,871	-	21	-
	Vote-By-Mail	14,297	96.1%	20	95.2%
	Vote Center	535	3.6%	0	0.0%
	Nonprovisional CVR	38	0.3%	1	4.8%
	CVR	1	0.0%	0	0.0%
Butte*	Total Voted	48,120	-	63	-
	Vote-By-Mail	48,032	99.8%	63	100.0%
	Vote Center	78	0.2%	0	0.0%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	10	0.0%	0	0.0%
Calaveras*	Total Voted	15,416	-	13	-
	Vote-By-Mail	14,400	93.4%	11	84.6%
	Vote Center	959	6.2%	2	15.4%
	Nonprovisional CVR	57	0.4%	0	0.0%
	CVR	0	0.0%	0	0.0%
El Dorado*	Total Voted	62,057	-	100	-
	Vote-By-Mail	59,290	95.5%	96	96.0%
	Vote Center	2,684	4.3%	4	4.0%
	Nonprovisional CVR	53	0.1%	0	0.0%
	CVR	30	0.0%	0	0.0%
Fresno*	Total Voted	131,818	-	3,144	-
	Vote-By-Mail	121,759	92.4%	2,945	93.7%
	Vote Center	9,759	7.4%	180	5.7%
	Nonprovisional CVR	240	0.2%	10	0.3%
	CVR	60	0.0%	9	0.3%
Kings*	Total Voted	17,224	-	378	-
	Vote-By-Mail	16,174	93.9%	353	93.4%
	Vote Center	1,034	6.0%	24	6.3%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	16	0.1%	1	0.3%
Los Angeles*	Total Voted	1,518,623	-	86,494	-
	Vote-By-Mail	1,288,147	84.8%	75,464	87.2%
	Vote Center	227,689	15.0%	10,911	12.6%

Jurisdiction	Voting Method	English		Non-English	
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	2,787	0.2%	119	0.1%
Madera*	Total Voted	24,065	-	587	-
	Vote-By-Mail	22,780	94.7%	566	96.4%
	Vote Center	1,247	5.2%	21	3.6%
	Nonprovisional CVR	12	0.0%	0	0.0%
	CVR	26	0.1%	0	0.0%
Marin*	Total Voted	83,544	-	337	-
	Vote-By-Mail	80,177	96.0%	322	95.5%
	Vote Center	3,319	4.0%	13	3.9%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	48	0.1%	2	0.6%
Mariposa*	Total Voted	6,228	-	5	-
	Vote-By-Mail	6,218	99.8%	5	100.0%
	Vote Center	9	0.1%	0	0.0%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	1	0.0%	0	0.0%
Merced*	Total Voted	30,563	-	1,073	-
	Vote-By-Mail	29,056	95.1%	1,015	94.6%
	Vote Center	1,487	4.9%	57	5.3%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	20	0.1%	1	0.1%
Napa*	Total Voted	35,580	-	661	-
	Vote-By-Mail	35,035	98.5%	651	98.5%
	Vote Center	491	1.4%	9	1.4%
	Nonprovisional CVR	17	0.0%	0	0.0%
	CVR	37	0.1%	1	0.2%
Nevada*	Total Voted	37,436	-	24	-
	Vote-By-Mail	35,639	95.2%	22	91.7%
	Vote Center	1,762	4.7%	2	8.3%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	35	0.1%	0	0.0%
Orange*	Total Voted	597,094	-	35,628	-
	Vote-By-Mail	526,348	88.2%	33,813	94.9%
	Vote Center	70,090	11.7%	1,737	4.9%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	656	0.1%	78	0.2%
Riverside*	Total Voted	362,923	-	9,192	-

Jurisdiction	Voting Method	English		Non-English	
	Vote-By-Mail	340,193	93.7%	8,775	95.5%
	Vote Center	22,004	6.1%	397	4.3%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	726	0.2%	20	0.2%
Sacramento*	Total Voted	328,671	-	6,047	-
	Vote-By-Mail	317,760	96.7%	5,926	98.0%
	Vote Center	10,375	3.2%	114	1.9%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	536	0.2%	7	0.1%
San Benito*	Total Voted	12,165	-	301	-
	Vote-By-Mail	11,533	94.8%	279	92.7%
	Vote Center	603	5.0%	22	7.3%
	Nonprovisional CVR	20	0.2%	0	0.0%
	CVR	9	0.1%	0	0.0%
San Diego*	Total Voted	651,449	-	15,943	-
	Vote-By-Mail	608,702	93.4%	15,145	95.0%
	Vote Center	42,411	6.5%	796	5.0%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	336	0.1%	2	0.0%
San Mateo*	Total Voted	161,582	-	3,799	-
	Vote-By-Mail	155,033	95.9%	3,667	96.5%
	Vote Center	6,416	4.0%	129	3.4%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	133	0.1%	3	0.1%
Santa Clara*	Total Voted	332,905	-	23,322	-
	Vote-By-Mail	318,392	95.6%	22,289	95.6%
	Vote Center	14,219	4.3%	1,015	4.4%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	294	0.1%	18	0.1%
Santa Cruz*	Total Voted	77,356	-	931	-
	Vote-By-Mail	73,262	94.7%	882	94.7%
	Vote Center	3,891	5.0%	46	4.9%
	Nonprovisional CVR	117	0.2%	2	0.2%
	CVR	86	0.1%	1	0.1%
Sonoma*	Total Voted	136,933	-	825	-
	Vote-By-Mail	133,096	97.2%	801	97.1%
	Vote Center	3,749	2.7%	23	2.8%
	Nonprovisional CVR	24	0.0%	0	0.0%

Jurisdiction	Voting Method	English		Non-English	
	CVR	64	0.0%	1	0.1%
Stanislaus*	Total Voted	79,588	-	1,731	-
	Vote-By-Mail	76,405	96.0%	1,684	97.3%
	Vote Center	3,123	3.9%	46	2.7%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	60	0.1%	1	0.1%
Tuolumne*	Total Voted	16,923	-	8	-
	Vote-By-Mail	16,537	97.7%	7	87.5%
	Vote Center	375	2.2%	1	12.5%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	11	0.1%	0	0.0%
Ventura*	Total Voted	198,475	-	4,216	-
	Vote-By-Mail	182,861	92.1%	3,982	94.4%
	Vote Center	15,073	7.6%	226	5.4%
	Nonprovisional CVR	457	0.2%	7	0.2%
	CVR	84	0.0%	1	0.0%
Yolo*	Total Voted	49,011	-	460	-
	Vote-By-Mail	46,983	95.9%	447	97.2%
	Vote Center	1,964	4.0%	13	2.8%
	Nonprovisional CVR	0	0.0%	0	0.0%
	CVR	64	0.1%	0	0.0%

Takeaways

There were 16.7 million registered voters across California VCA counties at the time of the 2022 Primary Election. The registered electorate in VCA counties was largely comprised of English-speaking voters. Voters registered in English accounted for approximately 16 million, or 95.1% of all VCA registered voters. The next largest language group was Spanish, which comprised over 507 thousand, or 3.0% of the VCA registered electorate. No other single language group accounted for more than 1% of the overall VCA registered electorate.

Non-English registered voters were more likely to belong to older age categories. For example, in VCA counties, there were over ten times as many non-English registered voters aged 65 and over (352,569) as there were non-English registered voters aged 18 to 29 (32,603).

Another key takeaway is that foreign-born voters were more likely to register in a language other than English compared to voters born in the United States. In VCA counties, over 747 thousand, or 13.38% of foreign-born

voters registered in a language other than English. In contrast, only 72 thousand, or 0.65% of U.S.-born voters registered in a language other than English.

Turnout across language groups varied significantly. VCA voters registered in Vietnamese had the highest turnout rate (35.3%), followed by Korean-speaking voters (33.7%) and English-speaking voters (33.4%). Khmer-speaking voters had the lowest turnout rate (19.3%), followed by Hindi-speaking voters (20.8%) and Spanish-speaking voters (21.4%). While low turnout among immigrant voters is a historical and national phenomenon, the turnout rates discussed above indicate that outreach needs to be targeted to non-English voters – particularly Spanish-speaking voters, given that they are the second largest language group in California.

VCA voters registered in both English and non-English languages largely preferred voting by mail. One notable observation is that non-English-speaking voters were nearly 1 point more likely to vote by mail than English-speaking voters, suggesting that voting by mail may be slightly more accessible for non-English-speaking voters than their English-speaking counterparts.

VOTING BY MAIL

Introduction

Voting by mail has been a popular method of voting among California voters and has accounted for more than half of the State's ballots cast since the 2012 Primary Election.³⁷ Beginning in 2020, the coronavirus pandemic presented threats to voter safety. In-person voting became a risk of transmitting the virus and threatened access to the ballot for millions of voters across the U.S. To minimize in-person contact, many states implemented policies to encourage higher levels of voting by mail. California was a state that took even further precautions, committing to sending every registered voter a vote-by-mail ballot by default during the pandemic. Signed into law in 2016, before the COVID-19 threat, California counties have adopted the Voter's Choice Act (VCA) electoral model, which – among other priorities – sends a mail ballot to registered voters in counties that adopted the model.

Given the necessity and popularity of voting by mail, this section will analyze the methods California voters used to cast mail ballots during the 2022 Primary Election. Voters had the option to return their mail ballot via mail, county-issued drop boxes, vote center drop-offs, additional drop-off locations, and FAX. Our analysis also includes mail ballots that voters returned but were either non-deliverable or rejected by county election officials.

As shown in Table 23 below, 6.6 million mail ballots were cast by California voters during the 2022 Primary Election. Over 3.3 million, or 50.8%, of all mail ballots were returned via mail. The second most popular method to return mail ballots was via county-issued drop boxes, with over 2.1 million, or 31.9%, mail ballots. Vote center drop-off locations are estimated to be the third most utilized method of returning mail ballots, accounting for more than 673 thousand, or 10.2%. Additional drop-off locations accounted for 415 thousand, or 6.3%, of the State's mail ballots cast. Returning mail ballots via FAX had the lowest utilization rate, with 3,599, or 0.05%, of all mail ballots returned using this method. Just over 51 thousand mail ballots were deemed non-deliverable or were rejected by county election officials, leading to a statewide mail ballot rejection rate of 0.78%.

Table 23 also shows that over 1.5 million mail ballots were cast by voters living in the thirty-one non-VCA counties. Across the non-VCA counties, more than 887 thousand, or 56.6%, mail ballots were cast via mail. Mail ballots cast at a county-issued drop box represented over 339 thousand, or 21.6%, of the non-VCA registered electorate. The third most utilized method of casting mail ballots was via additional drop-off locations, which comprised nearly 326 thousand, or 20.8%, of non-VCA mail ballots cast. Voters estimated to be Black were 274 thousand, or 5.3%, of the non-VCA electorate. More than 13 thousand mail ballots were deemed non-deliverable or were rejected by county election officials, leading to a statewide mail ballot rejection rate of 0.87% – slightly higher than the statewide average.

³⁷ "Historical Vote-by-Mail (Absentee) Ballot Use in California," Historical Vote-By-Mail (Absentee) Ballot Use in California :: California Secretary of State, <https://www.sos.ca.gov/elections/historical-absentee>.

VCA counties' totals are shown in Table 23 below. As of the 2022 Primary Election, over 5.0 million mail ballots were cast in VCA counties. The mail ballots cast in VCA counties were primarily by mail, which made up nearly 2.5 million, or 49.0%. The second most preferred method of casting mail ballots in VCA counties was via county-issued drop boxes, with nearly 1.8 million voters, or 35.0% of the mail ballots. Mail ballots cast by vote centers drop-offs comprised over 673 thousand, or 13.3%, of all mail ballots cast. Additional drop-off locations accounted for 90 thousand, or 1.8%, of mail ballots cast. The remaining 2,792 mail ballots, or 0.06%, were cast via FAX. Nearly 38 thousand mail ballots were non-deliverable or rejected by county election officials, equating to a mail ballot rejection rate of 0.75%.

Table 23: Mail Ballot Return Methods

Jurisdiction	Total Mail Ballots	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
Statewide	6,619,761	3,365,553	50.8%	2,109,101	31.9%	673,145	10.2%	415,932	6.3%	3,599	0.05%	51,614	0.78%
Non-VCA	1,567,243	887,356	56.6%	339,274	21.6%	0	0.0%	325,931	20.8%	807	0.05%	13,651	0.87%
VCA (Excluding Los Angeles)	3,688,685	1,872,439	50.8%	1,210,281	32.8%	489,868	13.3%	89,345	2.4%	2,137	0.06%	24,186	0.66%
VCA (Including Los Angeles)	5,052,518	2,478,197	49.0%	1,769,827	35.0%	673,145	13.3%	90,001	1.8%	2,792	0.06%	37,963	0.75%
Alameda*	294,275	117,178	39.8%	122,566	41.7%	24,412	8.3%	27,078	9.2%	223	0.08%	2,808	0.95%
Alpine	554	351	63.4%	202	36.5%	0	0.0%	0	0.0%	0	0.00%	0	0.00%
Amador*	14,319	5,912	41.3%	8,281	57.8%	65	0.5%	0	0.0%	6	0.04%	55	0.38%
Butte*	48,105	25,495	53.0%	16,654	34.6%	4,326	9.0%	678	1.4%	74	0.15%	875	1.82%
Calaveras*	14,419	7,170	49.7%	4,251	29.5%	2,638	18.3%	243	1.7%	5	0.03%	108	0.75%
Colusa	3,291	1,458	44.3%	1,115	33.9%	0	0.0%	691	21.0%	0	0.00%	27	0.82%
Contra Costa	231,956	131,446	56.7%	69,534	30.0%	0	0.0%	29,760	12.8%	5	0.00%	1,168	0.50%
Del Norte	5,250	2,483	47.3%	0	0.0%	0	0.0%	2,707	51.6%	0	0.00%	60	1.14%
El Dorado*	59,417	23,476	39.5%	28,909	48.7%	6,518	11.0%	103	0.2%	10	0.02%	388	0.65%
Fresno*	124,728	61,797	49.5%	44,570	35.7%	17,446	14.0%	0	0.0%	66	0.05%	829	0.66%
Glenn	5,797	2,371	40.9%	3,233	55.8%	0	0.0%	112	1.9%	0	0.00%	80	1.38%
Humboldt	31,735	18,384	57.9%	7,220	22.8%	0	0.0%	5,772	18.2%	32	0.10%	323	1.02%
Imperial	18,389	9,448	51.4%	2,681	14.6%	0	0.0%	6,204	33.7%	0	0.00%	56	0.30%
Inyo	5,214	2,671	51.2%	1,455	27.9%	0	0.0%	1,025	19.7%	2	0.04%	61	1.17%
Kern	103,577	67,051	64.7%	0	0.0%	0	0.0%	36,141	34.9%	0	0.00%	384	0.37%
Kings*	16,529	6,407	38.8%	7,071	42.8%	1,231	7.4%	1,692	10.2%	3	0.02%	124	0.75%
Lake	12,134	7,891	65.0%	1,561	12.9%	0	0.0%	2,530	20.9%	2	0.02%	149	1.23%
Lassen	6,440	2,838	44.1%	1,412	21.9%	0	0.0%	2,133	33.1%	0	0.00%	57	0.89%

Jurisdiction	Total Mail Ballots	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
Los Angeles*	1,363,833	605,758	44.4%	559,546	41.0%	183,277	13.4%	656	0.0%	655	0.05%	13,777	1.01%
Madera*	23,354	10,303	44.1%	9,692	41.5%	3,138	13.4%	58	0.2%	9	0.04%	154	0.66%
Marin*	80,509	49,407	61.4%	17,634	21.9%	12,984	16.1%	0	0.0%	130	0.16%	354	0.44%
Mariposa*	6,227	2,190	35.2%	3,205	51.5%	741	11.9%	0	0.0%	3	0.05%	86	1.38%
Mendocino	21,484	10,621	49.4%	7,549	35.1%	0	0.0%	3,084	14.4%	26	0.12%	197	0.92%
Merced*	30,079	15,861	52.7%	8,841	29.4%	4,203	14.0%	654	2.2%	9	0.03%	505	1.68%
Modoc	2,339	1,245	53.2%	646	27.6%	0	0.0%	421	18.0%	0	0.00%	26	1.11%
Mono	2,940	1,501	51.1%	1,202	40.9%	0	0.0%	208	7.1%	4	0.14%	23	0.78%
Monterey	61,868	49,715	80.4%	1,364	2.2%	0	0.0%	10,122	16.4%	74	0.12%	583	0.94%
Napa*	35,698	17,891	50.1%	10,041	28.1%	1,778	5.0%	5,680	15.9%	30	0.08%	273	0.76%
Nevada*	35,670	14,909	41.8%	7,410	20.8%	2,863	8.0%	10,244	28.7%	17	0.05%	227	0.64%
Orange*	560,263	273,692	48.9%	182,337	32.5%	100,897	18.0%	440	0.1%	233	0.04%	2,601	0.46%
Placer	119,106	51,798	43.5%	50,179	42.1%	0	0.0%	16,171	13.6%	29	0.02%	896	0.75%
Plumas	7,166	5,157	72.0%	1,777	24.8%	0	0.0%	199	2.8%	1	0.01%	31	0.43%
Riverside*	349,103	242,111	69.4%	2,660	0.8%	86,128	24.7%	16,235	4.7%	98	0.03%	1,783	0.51%
Sacramento*	323,762	133,344	41.2%	136,006	42.0%	50,029	15.5%	2,133	0.7%	97	0.03%	2,101	0.65%
San Benito*	11,813	4,278	36.2%	5,318	45.0%	2,017	17.1%	146	1.2%	4	0.03%	49	0.41%
San Bernardino	227,242	133,766	58.9%	32,236	14.2%	0	0.0%	58,543	25.8%	116	0.05%	2,551	1.12%
San Diego*	623,878	349,256	56.0%	200,262	32.1%	70,088	11.2%	0	0.0%	407	0.07%	3,860	0.62%
San Francisco	205,998	125,069	60.7%	33,888	16.5%	0	0.0%	43,505	21.1%	291	0.14%	3,243	1.57%
San Joaquin	100,058	55,535	55.5%	29,269	29.3%	0	0.0%	14,707	14.7%	5	0.00%	534	0.53%
San Luis Obispo	85,194	48,549	57.0%	15,511	18.2%	0	0.0%	20,273	23.8%	60	0.07%	785	0.92%
San Mateo*	158,741	90,336	56.9%	53,398	33.6%	13,595	8.6%	3	0.0%	124	0.08%	1,259	0.79%
Santa Barbara	88,156	44,585	50.6%	33,971	38.5%	0	0.0%	8,528	9.7%	98	0.11%	962	1.09%
Santa Clara*	340,730	168,592	49.5%	125,475	36.8%	44,271	13.0%	87	0.0%	158	0.05%	2,102	0.62%
Santa Cruz*	74,168	33,382	45.0%	30,573	41.2%	8,270	11.2%	1,253	1.7%	137	0.18%	536	0.72%
Shasta	47,098	17,213	36.5%	15,295	32.5%	0	0.0%	14,263	30.3%	11	0.02%	313	0.66%
Sierra	1,207	1,051	87.1%	77	6.4%	0	0.0%	75	6.2%	0	0.00%	4	0.33%
Siskiyou	11,205	6,912	61.7%	1,681	15.0%	0	0.0%	2,512	22.4%	3	0.03%	96	0.86%
Solano	69,694	40,858	58.6%	608	0.9%	0	0.0%	27,872	40.0%	23	0.03%	307	0.44%
Sonoma*	133,944	73,789	55.1%	43,041	32.1%	12,155	9.1%	4,043	3.0%	104	0.08%	781	0.58%
Stanislaus*	78,087	45,010	57.6%	19,683	25.2%	0	0.0%	12,739	16.3%	15	0.02%	639	0.82%
Sutter	18,553	9,125	49.2%	5,829	31.4%	0	0.0%	3,425	18.5%	7	0.04%	161	0.87%
Tehama	12,511	5,084	40.6%	4,773	38.2%	0	0.0%	2,559	20.5%	3	0.02%	91	0.73%
Trinity	3,547	1,707	48.1%	1,478	41.7%	0	0.0%	335	9.4%	3	0.08%	24	0.68%
Tulare	46,272	27,393	59.2%	10,083	21.8%	0	0.0%	8,429	18.2%	8	0.02%	346	0.75%
Tuolumne*	16,547	7,850	47.4%	2,043	12.3%	918	5.5%	5,545	33.5%	7	0.04%	183	1.11%
Ventura*	186,881	69,808	37.4%	96,204	51.5%	19,157	10.3%	291	0.2%	126	0.07%	1,261	0.67%
Yolo*	47,439	22,995	48.5%	24,156	50.9%	0	0.0%	0	0.0%	42	0.09%	245	0.52%

Jurisdiction	Total Mail Ballots	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
Yuba	11,268	4,080	36.2%	3,445	30.6%	0	0.0%	3,625	32.2%	4	0.04%	113	1.00%

Table 24 below shows the mail ballot return methods used by each racial/ethnic group during the 2022 Primary Election. Below, the table indicates that casting a mail ballot via mail was the overall preferred method for all voters (3.3 million or 50.8%), voters estimated to be white (1.8 million or 50.1%), voters estimated to be Black (144 thousand or 49.9%), voters estimated to be Latino (647 thousand or 49.0%), voters estimated to be AAPI (556 thousand or 53.8%), and voters estimated as ‘Other’ (200 thousand or 48.6%) across California. The following preferred method across all racial/ethnic groups was casting a mail ballot by county-issued drop boxes. Drop boxes were commonly used by voters estimated to be white (1.1 million or 32.0%), voters estimated to be Black (87 thousand or 30.2%), voters estimated to be Latino (417 thousand or 31.6%), voters estimated to be AAPI (327 thousand or 31.7%), and voters estimated as ‘Other’ (138 thousand or 33.4%) across California. Vote centers drop-offs and additional drop-off locations were utilized by mail ballot voters but at lower rates than casting a mail ballot via mail and county-issued drop boxes. Using FAX to cast a mail ballot was not utilized at a rate over 0.1% for any racial/ethnic group in California. Ballots deemed undeliverable or rejected by county election officials did not exceed 1.0% for any racial/ethnic group in California.

In non-VCA counties, vote centers were unavailable to drop off mail ballots. As a result, mail ballot return methods were utilized at varying rates compared to the statewide numbers discussed in the paragraph above. Table 24 below shows that casting a mail ballot via mail was the overall preferred method for all voters (887 thousand or 56.6%), voters estimated to be white (502 thousand or 55.8%), voters estimated to be Black (37 thousand or 58.2%), voters estimated to be Latino (164 thousand or 56.0%), voters estimated to be AAPI (119 thousand or 62.1%), and voters estimated as ‘Other’ (62 thousand or 54.7%). For voters estimated to be white (208 thousand or 23.2%), AAPI (37 thousand or 19.3%), and ‘Other’ (26 thousand or 23.4%), the next most utilized method was casting a mail ballot by county-issued drop boxes. Casting a mail ballot via additional drop-off locations was the second most utilized method for voters estimated to be Black (15 thousand) and Latino (71 thousand or 24.2%). Drop boxes were commonly used by voters estimated to be white (1.1 million or 32.0%), voters estimated to be Black (87 thousand or 30.2%), voters estimated to be Latino (417 thousand or 31.6%), voters estimated to be AAPI (327 thousand or 31.7%), and voters estimated as ‘Other’ (138 thousand or 33.4%) across California. Similar to statewide rates, using FAX to cast a mail ballot was not utilized at a rate over 0.1% for any racial/ethnic group in non-VCA counties. Across all racial/ethnic groups, ballots deemed undeliverable or rejected by county election officials exceeded 1.0% only for Black voters (1.11%).

Table 24 below shows that casting a mail ballot via mail was the overall preferred method for all voters (2.4 million or 49.1%), voters estimated to be white (1.3 million or 49.4%), voters estimated to be Black (107 thousand or 47.6%), voters estimated to be Latino (482 thousand or 47.0%), voters estimated to be AAPI (436 thousand or 51.9%), and voters estimated as ‘Other’ (138 thousand or 46.2%). Like statewide estimates, the next most utilized method across all racial/ethnic groups was casting a mail ballot by county-issued drop boxes in VCA counties. Drop boxes were commonly used by voters estimated to be white (930 thousand or 35.0%), voters estimated to be Black (76 thousand or 34.0%), voters estimated to be Latino (361 thousand or 35.2%), voters estimated to be AAPI (290 thousand or 34.5%), and voters estimated as ‘Other’ (111 thousand or 37.2%)

across VCA counties. Vote centers drop-offs and additional drop-off locations were utilized by mail ballot voters but at lower rates than casting a mail ballot via mail and county-issued drop boxes. Using FAX to cast a mail ballot was not utilized at a rate over 0.1% for any racial/ethnic group in California. Ballots deemed undeliverable or rejected by county election officials did not exceed 1.0% for any racial/ethnic group in California.

Table 24: Mail Ballot Return Methods by Race and Ethnicity

Jurisdiction	Subethnic Group	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
Statewide	Total	3,365,553	50.8%	2,109,101	31.9%	673,145	10.2%	415,932	6.3%	3,599	0.05%	51,614	0.78%
	White	1,816,151	51.0%	1,138,935	32.0%	341,336	9.6%	234,812	6.6%	2,436	0.07%	27,697	0.78%
	Black	144,727	49.9%	87,554	30.2%	34,170	11.8%	20,447	7.1%	93	0.03%	2,841	0.98%
	Latino	647,774	49.0%	417,159	31.6%	158,885	12.0%	86,788	6.6%	363	0.03%	10,045	0.76%
	AAPI	556,070	53.8%	327,336	31.7%	97,482	9.4%	44,107	4.3%	471	0.05%	7,666	0.74%
	Other	200,831	48.6%	138,117	33.4%	41,273	10.0%	29,777	7.2%	235	0.06%	3,364	0.81%
Non-VCA	Total	887,356	56.6%	339,274	21.7%	0	0.0%	325,931	20.8%	807	0.05%	13,651	0.87%
	White	502,797	55.8%	208,897	23.2%	0	0.0%	181,486	20.1%	544	0.06%	7,691	0.85%
	Black	37,573	58.2%	10,960	17.0%	0	0.0%	15,325	23.7%	25	0.04%	715	1.11%
	Latino	164,956	56.0%	55,484	18.8%	0	0.0%	71,289	24.2%	77	0.03%	2,585	0.88%
	AAPI	119,532	62.1%	37,187	19.3%	0	0.0%	33,884	17.6%	100	0.05%	1,731	0.90%
	Other	62,497	54.7%	26,746	23.4%	0	0.0%	23,947	21.0%	61	0.05%	930	0.81%
VCA (Including Los Angeles)	Total	2,478,197	49.1%	1,769,827	35.0%	673,145	13.3%	90,001	1.8%	2,792	0.06%	37,963	0.75%
	White	1,313,353	49.4%	930,038	35.0%	341,336	12.8%	53,326	2.0%	1,892	0.07%	20,006	0.75%
	Black	107,154	47.6%	76,593	34.0%	34,170	15.2%	5,122	2.3%	69	0.03%	2,126	0.94%
	Latino	482,818	47.0%	361,676	35.2%	158,885	15.5%	15,499	1.5%	287	0.03%	7,460	0.73%
	AAPI	436,538	51.9%	290,149	34.5%	97,482	11.6%	10,223	1.2%	371	0.04%	5,936	0.71%
	Other	138,334	46.2%	111,371	37.2%	41,273	13.8%	5,830	1.9%	174	0.06%	2,435	0.81%
VCA (Excluding Los Angeles)	Total	1,872,439	50.8%	1,210,281	32.8%	489,868	13.3%	89,345	2.4%	2,137	0.06%	24,186	0.66%
	White	1,060,182	50.8%	688,769	33.0%	270,731	13.0%	53,066	2.5%	1,502	0.07%	13,595	0.65%
	Black	59,682	49.8%	36,527	30.5%	17,490	14.6%	5,083	4.2%	43	0.04%	1,070	0.89%
	Latino	320,870	50.2%	201,294	31.5%	97,774	15.3%	15,351	2.4%	199	0.03%	4,105	0.64%
	AAPI	326,896	52.3%	208,738	33.4%	74,605	11.9%	10,147	1.6%	266	0.04%	3,923	0.63%
	Other	104,809	48.4%	74,954	34.6%	29,267	13.5%	5,699	2.6%	127	0.06%	1,494	0.69%
Alameda*	Total	117,178	39.8%	122,566	41.7%	24,412	8.3%	27,078	9.2%	223	0.08%	2,808	0.95%
	White	46,989	37.5%	55,879	44.6%	9,830	7.8%	11,234	9.0%	144	0.11%	1,246	0.99%
	Black	9,949	40.7%	8,476	34.7%	2,398	9.8%	3,253	13.3%	11	0.04%	343	1.41%
	Latino	13,505	41.3%	12,701	38.9%	3,266	10.0%	2,863	8.8%	11	0.03%	314	0.96%
	AAPI	39,564	42.8%	37,160	40.2%	7,229	7.8%	7,820	8.5%	40	0.04%	706	0.76%
	Other	7,172	37.1%	8,350	43.2%	1,688	8.7%	1,908	9.9%	18	0.09%	199	1.03%

Jurisdiction	Subethnic Group	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
Alpine	Total	351	63.5%	202	36.5%	0	0.0%	0	0.0%	0	0.00%	0	0.00%
	White	210	59.9%	141	40.1%	0	0.0%	0	0.0%	0	0.00%	0	0.00%
	Black	2	81.3%	0	18.7%	0	0.0%	0	0.0%	0	0.00%	0	0.00%
	Latino	8	53.8%	7	46.2%	0	0.0%	0	0.0%	0	0.00%	0	0.00%
	AAPI	1	79.6%	0	20.4%	0	0.0%	0	0.0%	0	0.00%	0	0.00%
	Other	131	70.7%	54	29.3%	0	0.0%	0	0.0%	0	0.00%	0	0.00%
Amador*	Total	5,912	41.3%	8,281	57.8%	65	0.5%	0	0.0%	6	0.04%	55	0.38%
	White	5,089	41.7%	7,020	57.5%	57	0.5%	0	0.0%	6	0.05%	43	0.35%
	Black	32	41.7%	45	58.0%	0	0.2%	0	0.0%	0	0.00%	0	0.05%
	Latino	382	37.9%	617	61.2%	4	0.4%	0	0.0%	0	0.01%	4	0.37%
	AAPI	61	48.5%	64	50.7%	1	0.7%	0	0.0%	0	0.00%	0	0.10%
	Other	347	38.8%	535	59.9%	3	0.3%	0	0.0%	0	0.02%	8	0.92%
Butte*	Total	25,495	53.0%	16,654	34.6%	4,326	9.0%	678	1.4%	74	0.15%	875	1.82%
	White	20,980	53.5%	13,392	34.1%	3,539	9.0%	553	1.4%	65	0.17%	706	1.80%
	Black	267	50.5%	195	37.0%	40	7.6%	14	2.7%	0	0.05%	11	2.11%
	Latino	1,841	49.9%	1,353	36.6%	387	10.5%	38	1.0%	2	0.05%	72	1.94%
	AAPI	683	53.3%	459	35.8%	99	7.7%	15	1.1%	3	0.26%	22	1.72%
	Other	1,725	51.2%	1,254	37.3%	261	7.7%	58	1.7%	4	0.11%	65	1.92%
Calaveras*	Total	7,170	49.7%	4,251	29.5%	2,638	18.3%	243	1.7%	5	0.03%	108	0.75%
	White	5,909	50.1%	3,485	29.5%	2,098	17.8%	207	1.8%	4	0.03%	93	0.79%
	Black	43	46.3%	24	25.8%	24	25.5%	2	1.9%	0	0.00%	0	0.50%
	Latino	461	47.8%	259	26.8%	230	23.8%	10	1.1%	0	0.01%	5	0.55%
	AAPI	105	50.1%	70	33.3%	29	13.9%	3	1.7%	1	0.48%	1	0.63%
	Other	652	48.3%	414	30.6%	257	19.0%	21	1.5%	0	0.01%	8	0.57%
Colusa	Total	1,458	44.3%	1,115	33.9%	0	0.0%	691	21.0%	0	0.00%	27	0.82%
	White	896	43.0%	743	35.7%	0	0.0%	428	20.6%	0	0.00%	15	0.71%
	Black	12	46.0%	9	35.3%	0	0.0%	5	17.3%	0	0.00%	0	1.41%
	Latino	465	47.3%	289	29.4%	0	0.0%	218	22.2%	0	0.00%	11	1.13%
	AAPI	15	40.1%	15	40.9%	0	0.0%	7	18.8%	0	0.00%	0	0.19%
	Other	70	43.1%	59	36.2%	0	0.0%	33	20.2%	0	0.00%	1	0.46%
Contra Costa	Total	131,446	56.7%	69,534	30.0%	0	0.0%	29,760	12.8%	5	0.00%	1,168	0.50%
	White	69,896	56.4%	38,041	30.7%	0	0.0%	15,290	12.3%	3	0.00%	611	0.49%
	Black	8,141	57.6%	3,691	26.1%	0	0.0%	2,203	15.6%	0	0.00%	94	0.66%
	Latino	15,889	55.7%	8,340	29.2%	0	0.0%	4,156	14.6%	1	0.00%	152	0.53%
	AAPI	22,006	58.6%	11,112	29.6%	0	0.0%	4,211	11.2%	0	0.00%	211	0.56%
	Other	15,515	55.7%	8,349	30.0%	0	0.0%	3,900	14.0%	0	0.00%	100	0.36%
Del Norte	Total	2,483	47.3%	0	0.0%	0	0.0%	2,707	51.6%	0	0.00%	60	1.14%
	White	1,821	46.7%	0	0.0%	0	0.0%	2,041	52.3%	0	0.00%	42	1.07%

Jurisdiction	Subethnic Group	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
	Black	9	38.4%	0	0.0%	0	0.0%	15	61.0%	0	0.00%	0	0.59%
	Latino	190	49.1%	0	0.0%	0	0.0%	191	49.5%	0	0.00%	5	1.36%
	AAPI	45	54.7%	0	0.0%	0	0.0%	35	42.3%	0	0.00%	2	3.01%
	Other	418	48.9%	0	0.0%	0	0.0%	426	49.8%	0	0.00%	10	1.22%
El Dorado*	Total	23,476	39.5%	28,909	48.7%	6,518	11.0%	103	0.2%	10	0.02%	388	0.65%
	White	19,411	39.5%	23,896	48.7%	5,386	11.0%	88	0.2%	10	0.02%	324	0.66%
	Black	147	37.8%	192	49.2%	46	11.7%	2	0.5%	0	0.00%	3	0.78%
	Latino	1,573	38.5%	2,017	49.4%	465	11.4%	4	0.1%	0	0.00%	26	0.63%
	AAPI	897	43.7%	946	46.1%	197	9.6%	4	0.2%	0	0.00%	9	0.43%
	Other	1,447	38.5%	1,859	49.4%	423	11.3%	5	0.1%	0	0.01%	26	0.70%
Fresno*	Total	61,797	49.6%	44,570	35.7%	17,446	14.0%	0	0.0%	66	0.05%	829	0.66%
	White	30,774	49.9%	22,538	36.6%	7,904	12.8%	0	0.0%	44	0.07%	396	0.64%
	Black	2,285	50.0%	1,572	34.4%	674	14.7%	0	0.0%	2	0.05%	41	0.90%
	Latino	19,233	47.2%	14,639	36.0%	6,561	16.1%	0	0.0%	8	0.02%	272	0.67%
	AAPI	6,315	56.6%	3,385	30.3%	1,379	12.4%	0	0.0%	5	0.04%	74	0.66%
	Other	3,191	48.3%	2,437	36.9%	929	14.1%	0	0.0%	7	0.11%	46	0.70%
Glenn	Total	2,371	40.9%	3,233	55.8%	0	0.0%	112	1.9%	0	0.00%	80	1.38%
	White	1,639	40.3%	2,292	56.3%	0	0.0%	81	2.0%	0	0.00%	58	1.42%
	Black	12	38.4%	19	60.7%	0	0.0%	0	0.7%	0	0.00%	0	0.19%
	Latino	529	42.5%	675	54.2%	0	0.0%	23	1.8%	0	0.00%	18	1.48%
	AAPI	28	50.9%	25	45.7%	0	0.0%	1	2.5%	0	0.00%	1	0.93%
	Other	163	41.2%	222	56.2%	0	0.0%	7	1.8%	0	0.00%	3	0.87%
Humboldt	Total	18,384	57.9%	7,220	22.8%	0	0.0%	5,772	18.2%	32	0.10%	323	1.02%
	White	14,893	58.1%	5,880	22.9%	0	0.0%	4,589	17.9%	27	0.11%	252	0.98%
	Black	159	56.3%	65	22.9%	0	0.0%	54	18.9%	0	0.01%	5	1.93%
	Latino	1,124	54.0%	503	24.2%	0	0.0%	429	20.6%	1	0.05%	25	1.21%
	AAPI	274	61.6%	92	20.7%	0	0.0%	73	16.4%	1	0.22%	5	1.09%
	Other	1,933	58.9%	681	20.8%	0	0.0%	628	19.1%	3	0.09%	35	1.08%
Imperial	Total	9,448	51.4%	2,681	14.6%	0	0.0%	6,204	33.7%	0	0.00%	56	0.30%
	White	1,754	52.4%	469	14.0%	0	0.0%	1,108	33.1%	0	0.00%	13	0.39%
	Black	102	48.6%	36	16.9%	0	0.0%	71	33.9%	0	0.00%	1	0.57%
	Latino	7,032	51.4%	2,000	14.6%	0	0.0%	4,619	33.7%	0	0.00%	40	0.30%
	AAPI	132	61.1%	24	11.0%	0	0.0%	60	27.8%	0	0.00%	0	0.08%
	Other	428	46.2%	152	16.5%	0	0.0%	345	37.2%	0	0.00%	1	0.13%
Inyo	Total	2,671	51.2%	1,455	27.9%	0	0.0%	1,025	19.7%	2	0.04%	61	1.17%
	White	2,094	51.8%	1,103	27.3%	0	0.0%	800	19.8%	2	0.04%	47	1.17%
	Black	11	65.4%	3	17.7%	0	0.0%	3	16.2%	0	0.00%	0	0.67%
	Latino	282	50.2%	156	27.8%	0	0.0%	116	20.7%	0	0.02%	7	1.26%

Jurisdiction	Subethnic Group	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
	AAPI	36	58.9%	16	25.1%	0	0.0%	8	13.5%	0	0.00%	2	2.51%
	Other	248	46.9%	178	33.6%	0	0.0%	98	18.5%	0	0.01%	5	0.97%
Kern	Total	67,051	64.7%	0	0.0%	0	0.0%	36,141	34.9%	0	0.00%	384	0.37%
	White	38,216	64.9%	0	0.0%	0	0.0%	20,447	34.7%	0	0.00%	196	0.33%
	Black	2,806	65.4%	0	0.0%	0	0.0%	1,461	34.0%	0	0.00%	25	0.59%
	Latino	18,802	62.6%	0	0.0%	0	0.0%	11,128	37.0%	0	0.00%	126	0.42%
	AAPI	3,557	76.2%	0	0.0%	0	0.0%	1,097	23.5%	0	0.00%	13	0.27%
	Other	3,669	64.4%	0	0.0%	0	0.0%	2,008	35.2%	0	0.00%	23	0.41%
Kings*	Total	6,407	38.8%	7,071	42.8%	1,231	7.4%	1,692	10.2%	3	0.02%	124	0.75%
	White	3,001	37.2%	3,547	44.0%	571	7.1%	886	11.0%	2	0.02%	63	0.78%
	Black	218	39.4%	236	42.7%	44	7.9%	50	9.1%	0	0.00%	5	0.95%
	Latino	2,495	40.0%	2,607	41.8%	495	7.9%	595	9.5%	1	0.02%	47	0.75%
	AAPI	275	53.0%	163	31.5%	36	7.0%	43	8.2%	0	0.00%	2	0.32%
	Other	418	36.5%	518	45.1%	85	7.4%	118	10.3%	0	0.00%	8	0.67%
Lake	Total	7,891	65.0%	1,561	12.9%	0	0.0%	2,530	20.9%	2	0.02%	149	1.23%
	White	6,267	65.3%	1,236	12.9%	0	0.0%	1,983	20.6%	1	0.01%	116	1.21%
	Black	116	70.0%	22	13.2%	0	0.0%	26	15.6%	0	0.09%	2	1.03%
	Latino	806	63.2%	166	13.0%	0	0.0%	287	22.5%	0	0.02%	16	1.26%
	AAPI	97	68.8%	19	13.9%	0	0.0%	23	16.1%	0	0.03%	2	1.16%
	Other	605	63.7%	118	12.4%	0	0.0%	212	22.4%	1	0.08%	14	1.45%
Lassen	Total	2,838	44.1%	1,412	21.9%	0	0.0%	2,133	33.1%	0	0.00%	57	0.89%
	White	2,358	44.8%	1,153	21.9%	0	0.0%	1,710	32.5%	0	0.00%	48	0.91%
	Black	27	48.8%	7	11.9%	0	0.0%	21	37.5%	0	0.00%	1	1.71%
	Latino	211	40.4%	119	22.7%	0	0.0%	190	36.4%	0	0.00%	3	0.53%
	AAPI	14	30.6%	7	16.3%	0	0.0%	22	50.4%	0	0.00%	1	2.72%
	Other	229	41.6%	126	23.0%	0	0.0%	191	34.6%	0	0.00%	4	0.78%
Los Angeles*	Total	605,758	44.4%	559,546	41.0%	183,277	13.4%	656	0.0%	655	0.05%	13,777	1.01%
	White	253,172	44.3%	241,269	42.2%	70,604	12.3%	260	0.0%	390	0.07%	6,411	1.12%
	Black	47,471	45.1%	40,067	38.0%	16,679	15.8%	39	0.0%	25	0.02%	1,057	1.00%
	Latino	161,948	41.8%	160,382	41.4%	61,111	15.8%	149	0.0%	87	0.02%	3,355	0.87%
	AAPI	109,642	50.7%	81,411	37.7%	22,877	10.6%	76	0.0%	106	0.05%	2,013	0.93%
	Other	33,525	40.4%	36,417	43.8%	12,006	14.5%	132	0.2%	47	0.06%	941	1.13%
Madera*	Total	10,303	44.1%	9,692	41.5%	3,138	13.4%	58	0.2%	9	0.04%	154	0.66%
	White	6,345	45.5%	5,228	37.5%	2,245	16.1%	22	0.2%	5	0.03%	88	0.63%
	Black	166	42.1%	192	48.6%	32	8.0%	3	0.8%	0	0.00%	2	0.55%
	Latino	2,881	40.9%	3,478	49.3%	605	8.6%	28	0.4%	3	0.04%	53	0.75%
	AAPI	250	48.5%	216	41.9%	48	9.2%	0	0.1%	0	0.01%	2	0.35%
	Other	661	45.2%	578	39.5%	208	14.2%	5	0.4%	1	0.09%	9	0.64%

Jurisdiction	Subethnic Group	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
Marin*	Total	49,407	61.4%	17,634	21.9%	12,984	16.1%	0	0.0%	130	0.16%	354	0.44%
	White	39,753	61.7%	13,998	21.7%	10,260	15.9%	0	0.0%	103	0.16%	281	0.44%
	Black	546	59.8%	208	22.8%	152	16.7%	0	0.0%	1	0.08%	6	0.64%
	Latino	3,744	59.1%	1,390	21.9%	1,165	18.4%	0	0.0%	13	0.21%	27	0.43%
	AAPI	2,738	60.9%	1,040	23.1%	686	15.3%	0	0.0%	8	0.18%	24	0.54%
	Other	2,626	60.1%	999	22.9%	720	16.5%	0	0.0%	5	0.11%	15	0.35%
Mariposa*	Total	2,190	35.2%	3,205	51.5%	741	11.9%	0	0.0%	3	0.05%	86	1.38%
	White	1,774	34.7%	2,652	51.9%	618	12.1%	0	0.0%	3	0.05%	65	1.27%
	Black	14	41.3%	16	45.7%	3	9.1%	0	0.0%	0	0.00%	1	3.89%
	Latino	165	36.7%	227	50.6%	47	10.4%	0	0.0%	0	0.01%	10	2.30%
	AAPI	28	46.0%	28	46.0%	4	7.2%	0	0.0%	0	0.00%	0	0.74%
	Other	209	36.7%	283	49.6%	68	12.0%	0	0.0%	0	0.04%	9	1.56%
Mendocino	Total	10,621	49.5%	7,549	35.1%	0	0.0%	3,084	14.4%	26	0.12%	197	0.92%
	White	8,469	50.1%	5,846	34.6%	0	0.0%	2,417	14.3%	21	0.12%	146	0.86%
	Black	55	44.7%	52	42.5%	0	0.0%	13	10.9%	0	0.00%	2	1.81%
	Latino	1,105	45.8%	911	37.7%	0	0.0%	369	15.3%	1	0.04%	28	1.15%
	AAPI	129	50.6%	97	38.3%	0	0.0%	22	8.8%	2	0.80%	4	1.38%
	Other	864	48.3%	643	35.9%	0	0.0%	262	14.6%	2	0.12%	18	1.01%
Merced*	Total	15,861	52.7%	8,841	29.4%	4,203	14.0%	654	2.2%	9	0.03%	505	1.68%
	White	7,136	51.9%	4,145	30.2%	1,936	14.1%	314	2.3%	5	0.04%	210	1.53%
	Black	466	51.0%	322	35.2%	85	9.3%	25	2.7%	0	0.02%	17	1.86%
	Latino	6,253	52.3%	3,391	28.4%	1,832	15.3%	251	2.1%	2	0.01%	217	1.81%
	AAPI	1,255	63.9%	524	26.7%	127	6.5%	27	1.4%	1	0.06%	31	1.56%
	Other	751	50.0%	460	30.6%	223	14.9%	36	2.4%	1	0.08%	30	2.01%
Modoc	Total	1,245	53.3%	646	27.6%	0	0.0%	421	18.0%	0	0.00%	26	1.11%
	White	1,059	53.2%	551	27.7%	0	0.0%	360	18.1%	0	0.00%	22	1.09%
	Black	7	47.3%	4	28.2%	0	0.0%	4	24.5%	0	0.00%	0	0.00%
	Latino	71	50.6%	42	29.9%	0	0.0%	24	17.3%	0	0.00%	3	2.26%
	AAPI	12	67.8%	4	21.1%	0	0.0%	2	11.0%	0	0.00%	0	0.17%
	Other	97	55.5%	45	26.0%	0	0.0%	31	17.8%	0	0.00%	1	0.65%
Mono	Total	1,501	51.1%	1,202	40.9%	0	0.0%	208	7.1%	4	0.14%	23	0.78%
	White	1,255	51.7%	994	41.0%	0	0.0%	154	6.3%	3	0.13%	20	0.82%
	Black	11	67.4%	5	27.4%	0	0.0%	1	5.1%	0	0.00%	0	0.00%
	Latino	121	44.6%	115	42.3%	0	0.0%	34	12.4%	1	0.35%	1	0.34%
	AAPI	25	48.1%	20	38.2%	0	0.0%	7	13.7%	0	0.00%	0	0.02%
	Other	89	51.5%	69	39.9%	0	0.0%	12	7.3%	0	0.00%	2	1.30%
Monterey	Total	49,715	80.4%	1,364	2.2%	0	0.0%	10,122	16.4%	74	0.12%	583	0.94%
	White	29,065	82.9%	714	2.0%	0	0.0%	4,914	14.0%	53	0.15%	314	0.90%

Jurisdiction	Subethnic Group	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
	Black	1,009	80.8%	32	2.5%	0	0.0%	199	15.9%	1	0.05%	9	0.73%
	Latino	13,445	74.9%	435	2.4%	0	0.0%	3,869	21.6%	7	0.04%	187	1.04%
	AAPI	3,279	82.8%	96	2.4%	0	0.0%	545	13.8%	4	0.10%	36	0.90%
	Other	2,917	80.0%	88	2.4%	0	0.0%	595	16.3%	9	0.26%	38	1.03%
Napa*	Total	17,891	50.1%	10,041	28.1%	1,778	5.0%	5,680	15.9%	30	0.08%	273	0.76%
	White	12,599	50.7%	6,853	27.6%	1,137	4.6%	4,033	16.2%	24	0.10%	190	0.76%
	Black	226	46.6%	158	32.5%	47	9.7%	51	10.4%	0	0.01%	4	0.85%
	Latino	3,057	46.5%	1,941	29.5%	369	5.6%	1,160	17.6%	3	0.05%	48	0.74%
	AAPI	1,069	54.5%	596	30.4%	127	6.5%	150	7.6%	2	0.11%	19	0.96%
	Other	941	51.4%	494	27.0%	98	5.4%	286	15.6%	1	0.04%	12	0.66%
Nevada*	Total	14,909	41.8%	7,410	20.8%	2,863	8.0%	10,244	28.7%	17	0.05%	227	0.64%
	White	13,117	41.8%	6,531	20.8%	2,499	8.0%	9,005	28.7%	15	0.05%	200	0.64%
	Black	43	40.1%	18	16.9%	10	9.4%	35	32.7%	0	0.45%	0	0.46%
	Latino	735	41.4%	361	20.3%	157	8.8%	515	29.0%	0	0.02%	8	0.44%
	AAPI	146	43.3%	65	19.2%	20	5.8%	103	30.5%	0	0.03%	4	1.13%
	Other	867	41.7%	434	20.9%	177	8.5%	586	28.2%	1	0.04%	15	0.71%
Orange*	Total	273,692	48.9%	182,337	32.5%	100,897	18.0%	440	0.1%	233	0.04%	2,601	0.46%
	White	141,001	47.7%	97,611	33.0%	55,454	18.7%	260	0.1%	153	0.05%	1,362	0.46%
	Black	3,218	47.6%	2,266	33.5%	1,234	18.3%	7	0.1%	2	0.03%	29	0.44%
	Latino	38,552	44.6%	30,604	35.4%	16,909	19.5%	90	0.1%	22	0.03%	356	0.41%
	AAPI	79,192	54.5%	42,916	29.5%	22,287	15.3%	66	0.0%	46	0.03%	744	0.51%
	Other	11,730	45.4%	8,940	34.6%	5,013	19.4%	17	0.1%	10	0.04%	110	0.43%
Placer	Total	51,798	43.5%	50,179	42.1%	0	0.0%	16,171	13.6%	29	0.02%	896	0.75%
	White	39,681	43.4%	38,636	42.3%	0	0.0%	12,425	13.6%	20	0.02%	680	0.74%
	Black	674	44.1%	632	41.4%	0	0.0%	208	13.6%	1	0.08%	13	0.85%
	Latino	4,003	40.6%	4,338	44.0%	0	0.0%	1,424	14.5%	3	0.03%	80	0.81%
	AAPI	4,462	48.7%	3,570	39.0%	0	0.0%	1,066	11.6%	3	0.03%	60	0.66%
	Other	2,978	42.0%	3,002	42.3%	0	0.0%	1,048	14.8%	2	0.02%	63	0.88%
Plumas	Total	5,157	72.0%	1,777	24.8%	0	0.0%	199	2.8%	1	0.01%	31	0.43%
	White	4,564	72.5%	1,534	24.4%	0	0.0%	169	2.7%	1	0.02%	25	0.40%
	Black	21	64.3%	11	32.1%	0	0.0%	1	3.6%	0	0.00%	0	0.09%
	Latino	232	69.9%	85	25.5%	0	0.0%	13	4.0%	0	0.00%	2	0.64%
	AAPI	33	74.1%	10	22.0%	0	0.0%	2	3.6%	0	0.00%	0	0.30%
	Other	307	66.4%	138	29.9%	0	0.0%	14	3.0%	0	0.00%	3	0.70%
Riverside*	Total	242,111	69.4%	2,660	0.8%	86,128	24.7%	16,235	4.7%	98	0.03%	1,783	0.51%
	White	135,909	70.5%	1,042	0.5%	44,850	23.3%	9,897	5.1%	67	0.03%	994	0.52%
	Black	13,534	66.1%	386	1.9%	5,460	26.7%	980	4.8%	5	0.02%	118	0.58%
	Latino	65,551	67.3%	928	1.0%	26,614	27.3%	3,803	3.9%	19	0.02%	481	0.49%

Jurisdiction	Subethnic Group	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
	AAPI	15,610	73.4%	157	0.7%	4,611	21.7%	778	3.7%	3	0.01%	100	0.47%
	Other	11,507	67.2%	148	0.9%	4,594	26.8%	777	4.5%	5	0.03%	89	0.52%
Sacramento*	Total	133,344	41.2%	136,006	42.0%	50,029	15.5%	2,133	0.7%	97	0.03%	2,101	0.65%
	White	74,513	41.0%	76,631	42.1%	28,697	15.8%	944	0.5%	69	0.04%	1,082	0.59%
	Black	9,636	39.9%	10,166	42.1%	3,850	15.9%	285	1.2%	3	0.01%	220	0.91%
	Latino	17,699	39.3%	19,038	42.3%	7,624	16.9%	353	0.8%	10	0.02%	287	0.64%
	AAPI	22,159	45.1%	20,160	41.0%	6,066	12.3%	392	0.8%	9	0.02%	342	0.70%
	Other	9,337	39.8%	10,011	42.7%	3,791	16.2%	159	0.7%	6	0.02%	169	0.72%
San Benito*	Total	4,278	36.2%	5,318	45.0%	2,017	17.1%	146	1.2%	4	0.03%	49	0.41%
	White	2,159	38.5%	2,497	44.6%	857	15.3%	68	1.2%	3	0.05%	19	0.35%
	Black	42	38.5%	50	45.7%	17	15.2%	1	0.6%	0	0.00%	0	0.06%
	Latino	1,703	33.4%	2,326	45.6%	985	19.3%	61	1.2%	1	0.02%	25	0.49%
	AAPI	174	41.3%	179	42.6%	59	14.1%	7	1.7%	0	0.00%	1	0.29%
	Other	200	34.7%	266	46.1%	99	17.2%	9	1.5%	0	0.00%	3	0.59%
San Bernardino	Total	133,766	58.9%	32,236	14.2%	0	0.0%	58,543	25.8%	116	0.05%	2,551	1.12%
	White	60,164	59.2%	14,168	13.9%	0	0.0%	26,081	25.7%	63	0.06%	1,117	1.10%
	Black	10,734	60.1%	2,456	13.7%	0	0.0%	4,407	24.7%	7	0.04%	266	1.49%
	Latino	43,517	56.7%	10,987	14.3%	0	0.0%	21,315	27.8%	25	0.03%	850	1.11%
	AAPI	12,428	65.4%	2,896	15.2%	0	0.0%	3,509	18.5%	12	0.06%	158	0.83%
	Other	6,923	57.4%	1,728	14.3%	0	0.0%	3,231	26.8%	9	0.07%	159	1.32%
San Diego*	Total	349,256	56.0%	200,262	32.1%	70,088	11.2%	0	0.0%	407	0.07%	3,860	0.62%
	White	212,884	55.7%	124,102	32.5%	42,449	11.1%	0	0.0%	282	0.07%	2,442	0.64%
	Black	11,937	57.7%	6,448	31.2%	2,131	10.3%	0	0.0%	12	0.06%	150	0.73%
	Latino	65,206	56.0%	36,219	31.1%	14,276	12.3%	0	0.0%	43	0.04%	675	0.58%
	AAPI	39,204	58.2%	21,020	31.2%	6,709	10.0%	0	0.0%	43	0.06%	365	0.54%
	Other	20,025	53.7%	12,472	33.5%	4,522	12.1%	0	0.0%	27	0.07%	228	0.61%
San Francisco	Total	125,069	60.7%	33,888	16.5%	0	0.0%	43,505	21.1%	291	0.14%	3,243	1.57%
	White	54,906	59.9%	15,918	17.4%	0	0.0%	19,062	20.8%	182	0.20%	1,568	1.71%
	Black	3,637	57.5%	1,046	16.5%	0	0.0%	1,490	23.5%	11	0.17%	146	2.31%
	Latino	9,499	55.3%	2,969	17.3%	0	0.0%	4,364	25.4%	17	0.10%	315	1.84%
	AAPI	51,283	63.4%	12,167	15.1%	0	0.0%	16,296	20.2%	63	0.08%	1,030	1.27%
	Other	5,744	57.3%	1,788	17.8%	0	0.0%	2,293	22.9%	18	0.18%	183	1.83%
San Joaquin	Total	55,535	55.5%	29,269	29.3%	0	0.0%	14,707	14.7%	5	0.00%	534	0.53%
	White	24,622	54.1%	14,036	30.8%	0	0.0%	6,653	14.6%	1	0.00%	220	0.48%
	Black	3,324	55.5%	1,673	28.0%	0	0.0%	938	15.7%	1	0.01%	49	0.81%
	Latino	12,713	54.2%	6,892	29.4%	0	0.0%	3,713	15.8%	1	0.00%	153	0.65%
	AAPI	9,220	63.5%	3,527	24.3%	0	0.0%	1,713	11.8%	1	0.01%	60	0.41%
	Other	5,656	53.7%	3,141	29.8%	0	0.0%	1,689	16.0%	1	0.01%	52	0.50%

Jurisdiction	Subethnic Group	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
San Luis Obispo	Total	48,549	57.0%	15,511	18.2%	0	0.0%	20,273	23.8%	60	0.07%	785	0.92%
	White	38,651	57.3%	12,335	18.3%	0	0.0%	15,789	23.4%	47	0.07%	614	0.91%
	Black	338	56.0%	112	18.6%	0	0.0%	148	24.5%	0	0.03%	6	0.95%
	Latino	5,481	55.0%	1,731	17.4%	0	0.0%	2,644	26.5%	6	0.06%	100	1.00%
	AAPI	1,210	59.8%	384	19.0%	0	0.0%	408	20.2%	2	0.12%	17	0.86%
	Other	2,868	55.6%	948	18.4%	0	0.0%	1,285	24.9%	4	0.09%	48	0.94%
San Mateo*	Total	90,336	56.9%	53,398	33.6%	13,595	8.6%	3	0.0%	124	0.08%	1,259	0.79%
	White	45,021	56.1%	27,460	34.2%	6,987	8.7%	0	0.0%	84	0.10%	633	0.79%
	Black	973	57.7%	559	33.2%	140	8.3%	0	0.0%	1	0.03%	13	0.77%
	Latino	11,146	55.4%	6,965	34.6%	1,855	9.2%	0	0.0%	6	0.03%	161	0.80%
	AAPI	28,454	59.3%	15,299	31.9%	3,847	8.0%	2	0.0%	25	0.05%	366	0.76%
	Other	4,741	54.4%	3,115	35.7%	766	8.8%	0	0.0%	7	0.08%	86	0.99%
Santa Barbara	Total	44,585	50.6%	33,971	38.5%	0	0.0%	8,528	9.7%	98	0.11%	962	1.09%
	White	30,572	52.0%	22,132	37.7%	0	0.0%	5,348	9.1%	81	0.14%	636	1.08%
	Black	558	49.3%	464	41.0%	0	0.0%	96	8.4%	1	0.11%	14	1.19%
	Latino	9,114	46.4%	8,022	40.9%	0	0.0%	2,261	11.5%	8	0.04%	218	1.11%
	AAPI	1,979	51.7%	1,475	38.5%	0	0.0%	329	8.6%	2	0.06%	42	1.10%
	Other	2,362	49.3%	1,879	39.2%	0	0.0%	495	10.3%	5	0.10%	53	1.10%
Santa Clara*	Total	168,592	49.5%	125,475	36.8%	44,271	13.0%	87	0.0%	158	0.05%	2,102	0.62%
	White	64,584	50.4%	46,973	36.6%	15,779	12.3%	54	0.0%	89	0.07%	721	0.56%
	Black	2,252	46.7%	1,879	39.0%	640	13.3%	1	0.0%	3	0.05%	47	0.97%
	Latino	19,274	44.7%	17,290	40.1%	6,216	14.4%	8	0.0%	9	0.02%	306	0.71%
	AAPI	74,319	50.5%	52,736	35.8%	19,255	13.1%	18	0.0%	52	0.04%	918	0.62%
	Other	8,163	47.3%	6,597	38.2%	2,381	13.8%	7	0.0%	6	0.03%	109	0.63%
Santa Cruz*	Total	33,382	45.0%	30,573	41.2%	8,270	11.2%	1,253	1.7%	137	0.18%	536	0.72%
	White	25,288	45.5%	23,177	41.7%	5,720	10.3%	930	1.7%	113	0.20%	406	0.73%
	Black	244	43.8%	235	42.2%	65	11.6%	10	1.8%	0	0.07%	2	0.41%
	Latino	4,683	42.9%	4,198	38.4%	1,760	16.1%	198	1.8%	10	0.09%	77	0.70%
	AAPI	1,267	47.4%	1,106	41.3%	247	9.2%	33	1.2%	4	0.16%	19	0.70%
	Other	1,900	43.6%	1,857	42.6%	478	11.0%	82	1.9%	9	0.21%	32	0.73%
Shasta	Total	17,213	36.5%	15,295	32.5%	0	0.0%	14,263	30.3%	11	0.02%	313	0.66%
	White	14,621	36.7%	12,834	32.2%	0	0.0%	12,110	30.4%	8	0.02%	258	0.65%
	Black	123	36.2%	121	35.5%	0	0.0%	92	27.1%	0	0.01%	4	1.26%
	Latino	835	34.1%	828	33.8%	0	0.0%	767	31.3%	0	0.00%	17	0.71%
	AAPI	294	40.8%	241	33.5%	0	0.0%	175	24.4%	2	0.28%	8	1.05%
	Other	1,340	35.7%	1,271	33.8%	0	0.0%	1,118	29.8%	1	0.04%	25	0.67%
Sierra	Total	1,051	87.1%	77	6.4%	0	0.0%	75	6.2%	0	0.00%	4	0.33%
	White	894	87.1%	65	6.4%	0	0.0%	63	6.1%	0	0.00%	4	0.36%

Jurisdiction	Subethnic Group	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
	Black	4	98.8%	0	1.2%	0	0.0%	0	0.0%	0	0.00%	0	0.00%
	Latino	72	86.6%	9	10.5%	0	0.0%	2	2.9%	0	0.00%	0	0.00%
	AAPI	2	93.5%	0	3.2%	0	0.0%	0	3.2%	0	0.00%	0	0.00%
	Other	79	86.0%	3	2.9%	0	0.0%	10	10.7%	0	0.00%	0	0.37%
Siskiyou	Total	6,912	61.7%	1,681	15.0%	0	0.0%	2,512	22.4%	3	0.03%	96	0.86%
	White	5,768	62.9%	1,373	15.0%	0	0.0%	1,957	21.3%	3	0.03%	69	0.75%
	Black	58	62.0%	12	12.8%	0	0.0%	22	23.8%	0	0.00%	1	1.36%
	Latino	335	62.0%	76	14.2%	0	0.0%	119	22.1%	0	0.00%	9	1.73%
	AAPI	52	23.4%	9	4.0%	0	0.0%	154	69.1%	0	0.00%	8	3.47%
	Other	699	59.3%	210	17.8%	0	0.0%	260	22.1%	0	0.01%	9	0.76%
Solano	Total	40,858	58.6%	608	0.9%	0	0.0%	27,872	40.0%	23	0.03%	307	0.44%
	White	20,491	58.5%	265	0.8%	0	0.0%	14,122	40.3%	13	0.04%	148	0.42%
	Black	4,964	56.8%	103	1.2%	0	0.0%	3,608	41.3%	3	0.03%	55	0.63%
	Latino	6,162	58.2%	111	1.1%	0	0.0%	4,265	40.3%	1	0.01%	47	0.45%
	AAPI	5,930	63.2%	74	0.8%	0	0.0%	3,332	35.5%	4	0.04%	36	0.38%
	Other	3,310	55.8%	55	0.9%	0	0.0%	2,544	42.9%	2	0.04%	22	0.36%
Sonoma*	Total	73,789	55.1%	43,041	32.1%	12,155	9.1%	4,043	3.0%	104	0.08%	781	0.58%
	White	55,521	55.7%	31,603	31.7%	9,014	9.0%	2,831	2.8%	84	0.08%	599	0.60%
	Black	721	51.4%	475	33.9%	127	9.0%	70	5.0%	1	0.09%	8	0.55%
	Latino	7,262	51.5%	4,968	35.2%	1,275	9.0%	507	3.6%	8	0.06%	80	0.57%
	AAPI	2,454	57.3%	1,295	30.2%	370	8.6%	136	3.2%	2	0.06%	28	0.65%
	Other	7,830	54.1%	4,700	32.5%	1,370	9.5%	500	3.5%	8	0.06%	66	0.46%
Stanislaus*	Total	45,010	57.6%	19,683	25.2%	0	0.0%	12,739	16.3%	15	0.02%	639	0.82%
	White	25,338	58.2%	10,960	25.2%	0	0.0%	6,868	15.8%	8	0.02%	341	0.78%
	Black	1,204	58.4%	566	27.4%	0	0.0%	274	13.3%	0	0.02%	18	0.86%
	Latino	13,145	55.3%	6,016	25.3%	0	0.0%	4,373	18.4%	4	0.02%	213	0.90%
	AAPI	2,576	64.0%	928	23.1%	0	0.0%	489	12.2%	2	0.06%	28	0.70%
	Other	2,748	58.0%	1,214	25.6%	0	0.0%	735	15.5%	1	0.02%	39	0.83%
Sutter	Total	9,125	49.2%	5,829	31.4%	0	0.0%	3,425	18.5%	7	0.04%	161	0.87%
	White	5,008	46.9%	3,513	32.9%	0	0.0%	2,061	19.3%	3	0.03%	98	0.91%
	Black	139	49.2%	88	31.1%	0	0.0%	50	17.8%	0	0.02%	5	1.82%
	Latino	1,388	48.8%	840	29.5%	0	0.0%	589	20.7%	1	0.05%	27	0.96%
	AAPI	1,947	58.0%	935	27.8%	0	0.0%	459	13.7%	0	0.01%	16	0.49%
	Other	643	46.7%	453	32.9%	0	0.0%	265	19.2%	2	0.18%	15	1.07%
Tehama	Total	5,084	40.6%	4,773	38.2%	0	0.0%	2,559	20.5%	3	0.02%	91	0.73%
	White	4,055	40.1%	3,888	38.5%	0	0.0%	2,092	20.7%	2	0.02%	72	0.71%
	Black	27	46.9%	20	34.8%	0	0.0%	10	17.9%	0	0.00%	0	0.37%
	Latino	571	43.8%	464	35.6%	0	0.0%	257	19.7%	0	0.03%	11	0.86%

Jurisdiction	Subethnic Group	Mail		Drop Box		Vote Center Drop Off		Drop Off Location		FAX		Non-Deliverable / Rejected	
	AAPI	49	52.7%	29	30.7%	0	0.0%	14	15.4%	0	0.02%	1	1.18%
	Other	383	40.4%	373	39.3%	0	0.0%	185	19.6%	0	0.03%	6	0.66%
Trinity	Total	1,707	48.1%	1,478	41.7%	0	0.0%	335	9.4%	3	0.08%	24	0.68%
	White	1,415	47.3%	1,264	42.2%	0	0.0%	292	9.8%	3	0.10%	20	0.66%
	Black	7	46.1%	7	47.1%	0	0.0%	1	6.5%	0	0.00%	0	0.28%
	Latino	51	45.4%	51	45.3%	0	0.0%	10	8.8%	0	0.00%	1	0.47%
	AAPI	43	73.6%	12	20.1%	0	0.0%	2	2.8%	0	0.02%	2	3.50%
	Other	191	51.9%	145	39.4%	0	0.0%	30	8.2%	0	0.04%	2	0.44%
Tulare	Total	27,393	59.2%	10,083	21.8%	0	0.0%	8,429	18.2%	8	0.02%	346	0.75%
	White	14,655	59.5%	5,394	21.9%	0	0.0%	4,386	17.8%	5	0.02%	185	0.75%
	Black	365	58.6%	154	24.8%	0	0.0%	93	14.9%	0	0.00%	10	1.68%
	Latino	10,334	58.7%	3,805	21.6%	0	0.0%	3,347	19.0%	2	0.01%	117	0.67%
	AAPI	746	64.3%	219	18.8%	0	0.0%	183	15.8%	1	0.09%	12	1.04%
	Other	1,293	57.6%	510	22.7%	0	0.0%	420	18.7%	0	0.00%	21	0.94%
Tuolumne*	Total	7,850	47.4%	2,043	12.3%	918	5.5%	5,545	33.5%	7	0.04%	183	1.11%
	White	6,656	47.4%	1,751	12.5%	786	5.6%	4,688	33.4%	6	0.04%	153	1.09%
	Black	20	44.2%	5	11.0%	4	7.8%	17	36.0%	0	0.00%	0	1.02%
	Latino	565	48.1%	133	11.3%	51	4.3%	413	35.1%	0	0.00%	14	1.19%
	AAPI	80	50.5%	16	10.3%	7	4.3%	51	32.4%	1	0.65%	3	1.76%
	Other	528	46.9%	138	12.2%	71	6.3%	376	33.4%	0	0.03%	13	1.13%
Ventura*	Total	69,808	37.4%	96,204	51.5%	19,157	10.3%	291	0.2%	126	0.07%	1,261	0.67%
	White	44,422	37.5%	61,022	51.5%	12,059	10.2%	183	0.2%	85	0.07%	796	0.67%
	Black	991	37.4%	1,362	51.4%	268	10.1%	4	0.1%	1	0.03%	24	0.90%
	Latino	15,702	36.1%	22,772	52.4%	4,624	10.6%	79	0.2%	21	0.05%	276	0.63%
	AAPI	5,196	41.9%	5,933	47.8%	1,166	9.4%	11	0.1%	11	0.09%	83	0.67%
	Other	3,497	35.8%	5,116	52.4%	1,040	10.7%	14	0.1%	7	0.08%	82	0.84%
Yolo*	Total	22,995	48.5%	24,156	50.9%	0	0.0%	0	0.0%	42	0.09%	245	0.52%
	White	14,008	48.4%	14,775	51.0%	0	0.0%	0	0.0%	32	0.11%	142	0.49%
	Black	508	51.3%	478	48.2%	0	0.0%	0	0.0%	0	0.04%	4	0.45%
	Latino	4,057	45.2%	4,857	54.2%	0	0.0%	0	0.0%	3	0.04%	50	0.56%
	AAPI	2,823	55.0%	2,277	44.3%	0	0.0%	0	0.0%	4	0.08%	32	0.63%
	Other	1,599	47.2%	1,768	52.2%	0	0.0%	0	0.0%	2	0.07%	16	0.47%
Yuba	Total	4,080	36.2%	3,445	30.6%	0	0.0%	3,625	32.2%	4	0.04%	113	1.00%
	White	2,838	36.1%	2,380	30.3%	0	0.0%	2,552	32.5%	3	0.04%	79	1.01%
	Black	120	36.4%	116	35.3%	0	0.0%	88	26.8%	0	0.00%	5	1.54%
	Latino	570	34.6%	517	31.4%	0	0.0%	546	33.2%	0	0.00%	13	0.80%
	AAPI	205	45.5%	112	24.8%	0	0.0%	128	28.4%	1	0.22%	4	0.99%
	Other	348	35.1%	320	32.3%	0	0.0%	311	31.4%	0	0.00%	11	1.12%

Takeaways

Across California, there were 7.2 million ballots cast in the 2022 Primary Election. Of the votes cast statewide, 6.6 million, or 91.6%, were cast as a mail ballot. Given the popularity of vote-by-mail, it is important to highlight that over 3.3 million, or 50.8%, of all mail ballots were returned via mail. Returning mail ballots via mail was the most utilized return method among non-VCA and VCA county voters.

Across all racial/ethnic groups, casting a ballot via a county-issued drop-box was at least 10 points higher in VCA counties compared to non-VCA counties. This difference could indicate that VCA counties provide more drop boxes or make them more accessible than their non-VCA counterparts. While vote centers were unavailable to return mail ballots in non-VCA counties, they were adequately utilized by voters in VCA counties to drop off mail ballots. With an overall utilization rate of 13.3% in VCA counties and 0.0% in non-VCA counties, vote centers have proved to be an important factor for voting in person and by mail ballot.

While the rate of mail ballots deemed undeliverable or rejected by county election officials remains under 1.0%, there is a slight disparity against Black voters across the State, non-VCA counties, and VCA counties. The scope of this analysis does not include why mail ballots were deemed undeliverable or rejected by county election officials, but this topic could be further investigated in future research.

CONCLUSION

California had over 21 million registered voters in the 2022 Primary Election. This is an increase of over one million since the 2020 Primary Election (a Presidential Primary) and three million since the 2018 Primary Election.^{38 39} As California's diverse electorate continues to grow, it will be imperative for election officials to continue to address the turnout gap described at the beginning of this report. Culturally appropriate and frequent outreach, accessible voting methods, and increased investment on infrequent voters are all recommended to counter the cycle of under- mobilization.

During the 2022 Primary Election, the turnout rate of registered white voters was significantly higher than all other groups. While white turnout reached 44.4%, neither Latino, AAPI, nor Black turnout reached 30%. The turnout gap between white and Latino voters was especially large as white turnout was more than double that of Latino turnout (44.4% compared to 21.2%). Although this is not a novel trend, state and county elections officials, as well as electoral campaigns, must continue to address these turnout gaps.

Turnout gaps also existed across age groups during the 2022 Primary Election. While nearly 60% of registered voters older than 65 voted, turnout for voters aged 18 to 29 was 14.4% – meaning that California's oldest registered electorate was about four times as likely to vote compared to its youngest registered electorate.

Another key observation is that there are about one million voters registered in a language other than English with Spanish-speakers being the second largest language group. Turnout across language groups ranged from 19% (Khmer) to 35% (Vietnamese). For California's two largest language groups, turnout for English-speaking voters (33.4%) was more than ten percentage points higher than Spanish-speaking voters (21.4%).

Finally, there was a high utilization of vote-by-mail in the 2022 Primary Election. Approximately 6.6 million, or 91.6% of Californians voted by mail during the primary. In VCA counties (excluding Los Angeles), VBM is especially common with 93.9% of votes being cast by mail.

Given these conclusions, our policy recommendations are focused on lessening turnout gaps between racial, age, and language groups.

Below are our top recommendations:

1. All counties should invest in mobilization through social contact.

³⁸ "Report of Registration - January 3, 2020," Report of Registration - January 3, 2020 :: California Secretary of State, <https://www.sos.ca.gov/elections/report-registration/60day-presprim-20>.

³⁹ "Report of Registration - April 6, 2018," Report of Registration - April 6, 2018 :: California Secretary of State, <https://www.sos.ca.gov/elections/report-registration/report-registration-april-6-2018>.

- i. Door-to-door canvassing - especially when done by trusted community groups, is a proven method of increasing turnout among non-habitual voters.⁴⁰
2. All counties should work to expand civic education in schools.
 - i. There is evidence that Black and Latino teens having less access to civic education than their white counterparts.⁴¹ By partnering with local schools, county elections offices can mobilize youth and help close the age-based and racial turnout gaps.
3. All counties should increase community outreach and partnerships to engage with non-English speaking voters continually during election cycles.
 - i. This includes more robust engagement with Language Accessibility Advisory Committees (LAAC), which most counties already utilize to advise and assist county registrars with implementation of state and federal law.

⁴⁰ Bedolla, L. G., & Michelson, M. R. (2012). *Mobilizing inclusion: Transforming the electorate through get-out-the-vote campaigns*. Yale University Press.

⁴¹ Kiesa et al., Tufts University, CIRCLE: Growing Voters Building Institutions and Community Ecosystems for Equitable Election Participation, https://circle.tufts.edu/sites/default/files/2022-08/circle_growing_voters.pdf.