California Commission on Teacher Credentialing

Summary:
Data based on public records request for teachers referred to the CTC during May 2019 through May 2020
The data contains 584 records.

- Those aged 40 and above account for 422 people (average age is 54)
- Those aged under 40 account for 162 people (average age is 32)
- Those aged 46 and above account for 343 people (average age is 57) - 59% of population
- Those aged under 46 account for 241 people (average age is 35) - 45% of population

The average age is 48.

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Data for the 2017-18 school year based on https://www.cde.ca.gov/ds/sd/dr/cefteacherage.asp

- Teachers across California aged 46 and over account for 46% of the overall population
- Teachers across California aged under 46 account for 54% of the overall population

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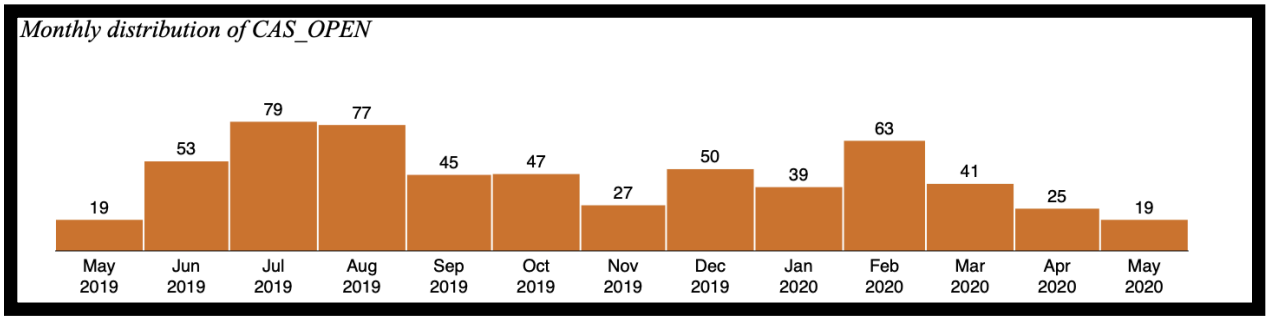
CONCLUSION:

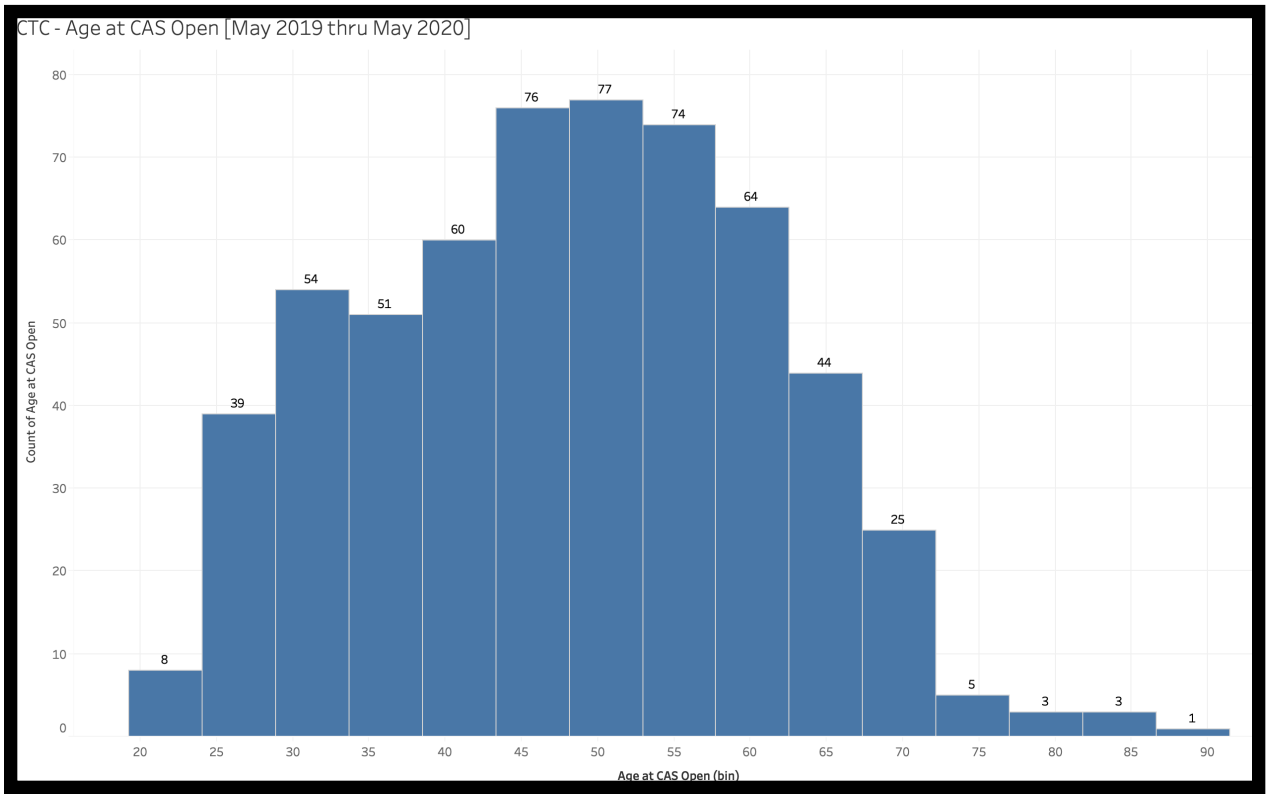
Using a z-score calculator for the two population proportions test for those aged 46 and above referred to the CTC against the overall teacher population shows a value of z of 6.3427, which is statistically significant.

Statistics and Chart:

Age at CAS Open	count	mean(Age at CA...
40 ≤ Age at CAS Open ≤ 87	422	54
22 ≤ Age at CAS Open < 40	162	32

Age at CAS Open	count	mean(Age at CA...
46 ≤ Age at CAS Open ≤ 87	343	57
22 ≤ Age at CAS Open < 46	241	35





Report of California public school teachers in selected age groups for the 2017–18 school year.

Age Group	Number of Teachers	Percentage of Teachers
Over 55	65,363	18.1%
46 to 55	99,756	27.6%
Under 46	196,599	54.3%
Not reported	0	0.0%
Total	361,718	100.0%

Questions: Data Reporting Office | dro@cde.ca.gov | 916-327-0219

Last Reviewed: Wednesday, July 31, 2019

From: https://www.socscistatistics.com/tests/ztest/default2.aspx

Z Score Calculator for 2 Population Proportions

Success!

You'll find the values for *z* and *p* below. Blue means your result is significant, red means it's not.

Sample 1 Proportion (or total number)

343

Sample 1 Size (N_1)

584

Sample 2 Proportion (or total number)

165119

Sample 2 Size (N_2)

361718

Significance Level:

- ○ 0.01
- ◉ 0.05
- ○ 0.10

One-tailed or two-tailed hypothesis?:

- ○ One-tailed
- ◉ Two-tailed

The value of *z* is 6.3427. The value of *p* is < .00001. The result is significant at *p* < .05.