

California demographic checkup:  
key indicators and context

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“Slowest growth ever”

The Golden State’s population  
growth rate is the slowest in  
recorded history. Why?

KPCC

California’s population growth is the slowest in recorded history

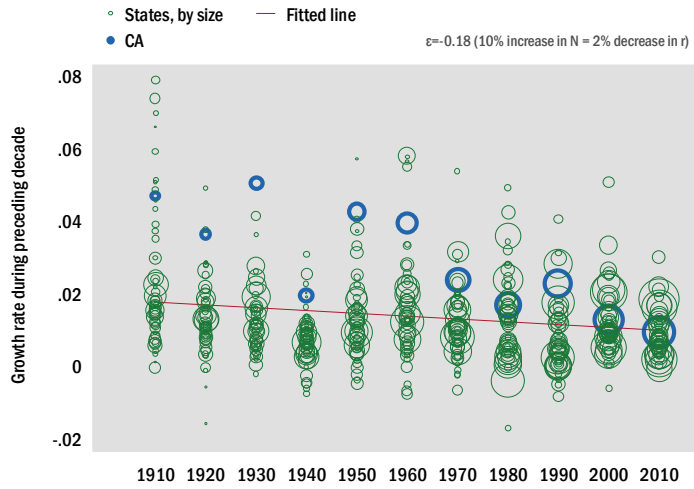


**California Inches Toward 40M People, but Growth Rate Slows**

THE SACRAMENTO BEE

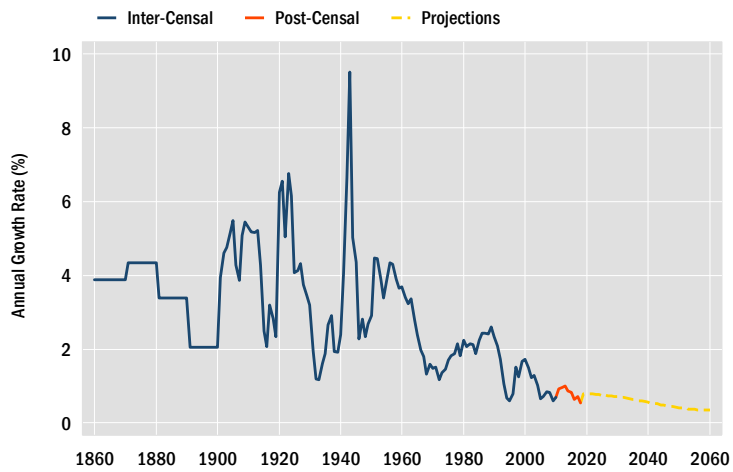
Where are the babies? California sees slowest population growth since it started counting

### "Slowest growth ever"



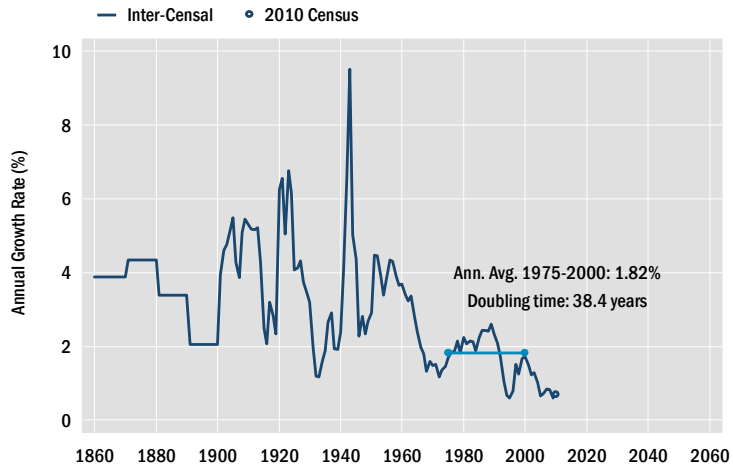
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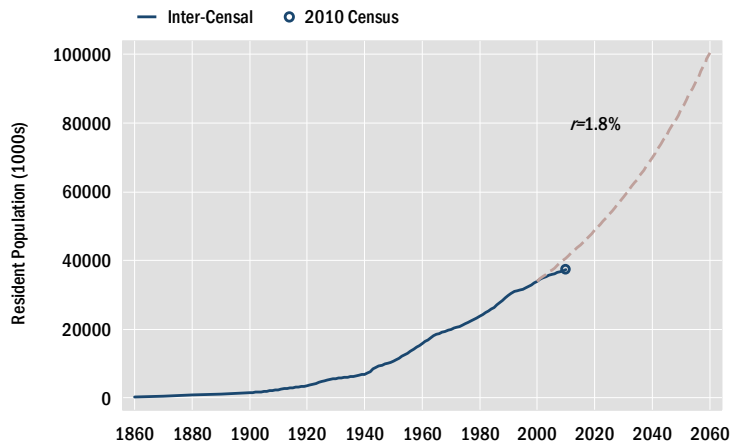
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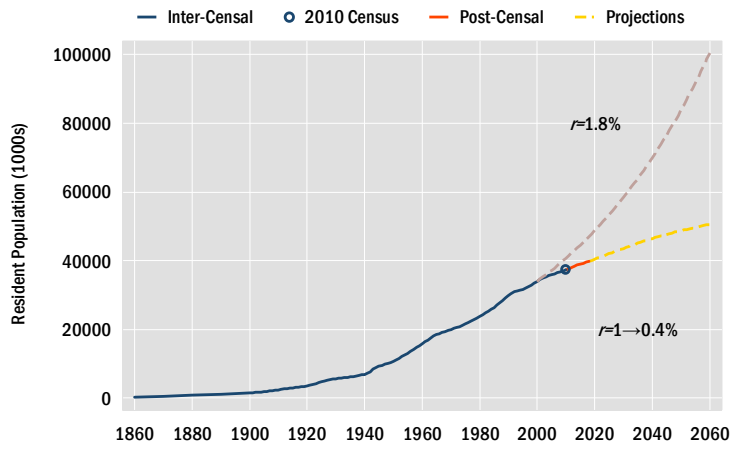
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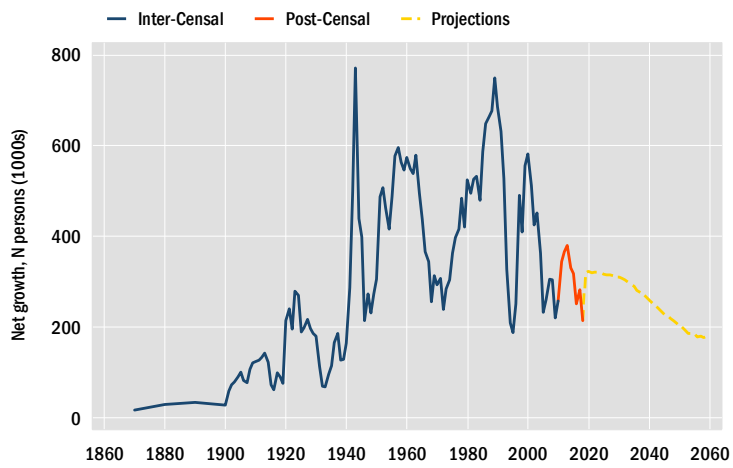
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“Slowest growth ever”



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8

## Determinants of the population growth rate

Decomposition of the Crude Growth Rate (CGR) Das Gupta 1993

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11

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12

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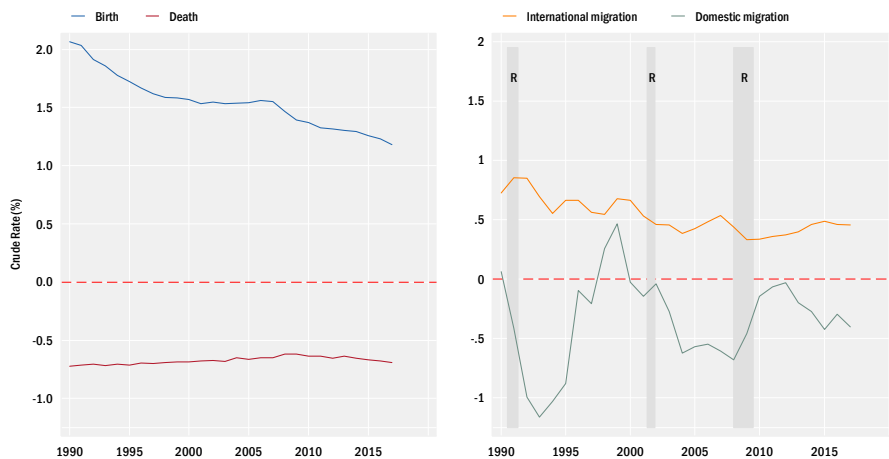
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$$CGR = \left[ \frac{B}{PY_{W15-49}} * \frac{PY_{W15-49}}{PY_W} * \frac{PY_W}{PY} \right] - \frac{D}{PY} + \frac{NIM}{PY} + \frac{NDM}{PY} \quad (4)$$

13

## Determinants of the population growth rate



14

## Determinants of the population growth rate

### Decomposition of the Crude Growth Rate (CGR) Das Gupta 1993

Decomposition between year == 2000 (1.03)  
and year == 2017 (0.54)

Component	Absolute Difference	Proportion (%)
Birth rate	-0.195	40.0
Death rate	-0.011	0.2
Net foreign migration	-0.103	21.2
Net domestic migration	-0.188	38.6
Overall	-0.487	100.0

15

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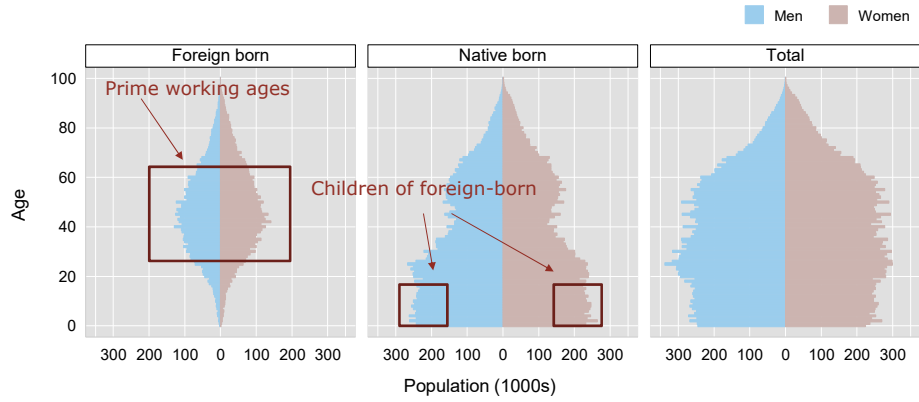
Decomposition between year == 2000 (1.03)  
and year == 2017 (0.54)

Component	Absolute Difference	Proportion (%)
Birth rate	-0.195	40.0
<i>Birth rate effect</i>	-0.158	32.7
<i>Age structure effect</i>	-0.035	7.2
Death rate	-0.011	0.2
Net foreign migration	-0.103	21.2
Net domestic migration	-0.188	38.6
Overall	-0.487	100.0

16

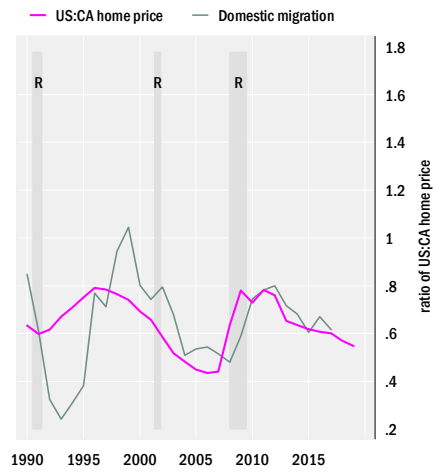


## 1. Net migrants are important to California's growth



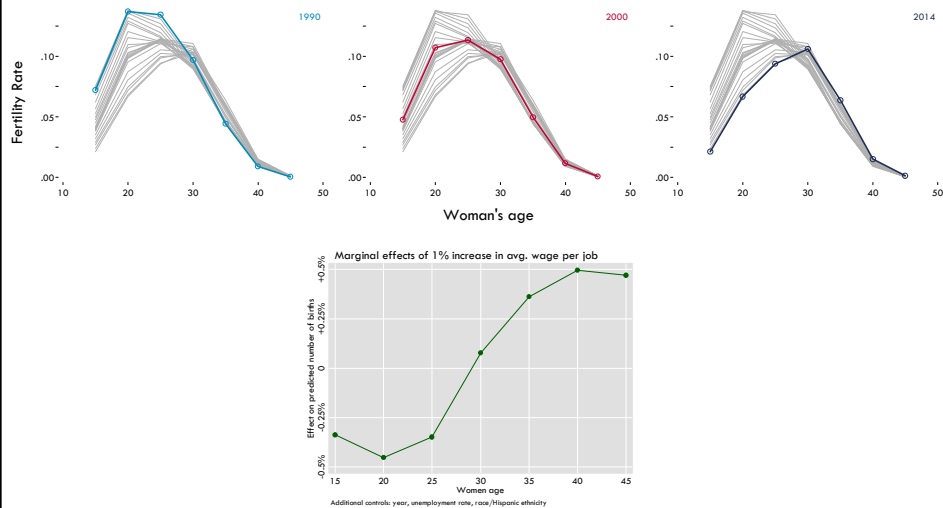
17

## 2. Net domestic migration tracks housing affordability



18

### 3. Fertility is shifting to older ages + correlated with income



19

### Summary

1. **Declining growth rate** (to 0.5% in 2017-18).
2. **Declining birth rate** (to 11.8 per 1000 during 2017).
3. **Net migration is important** (Directly accounts for 25 percent of population growth since 2010; contributes further through fertility).
4. **Domestic migration** since 1990 has tracked **housing affordability**.
5. Economy, demography, and public policy all affect **foreign migration**.

#### Prognosis:

- Annual growth <1%, with possibility of negative years (average annual net addition of 150,000-250,000 persons per year).
- *Effect of low growth rate on California welfare is ambiguous.*
- *Reasons for optimism on birth rates.*

20