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# A Snapshot of California's Primary Care Workforce Needs

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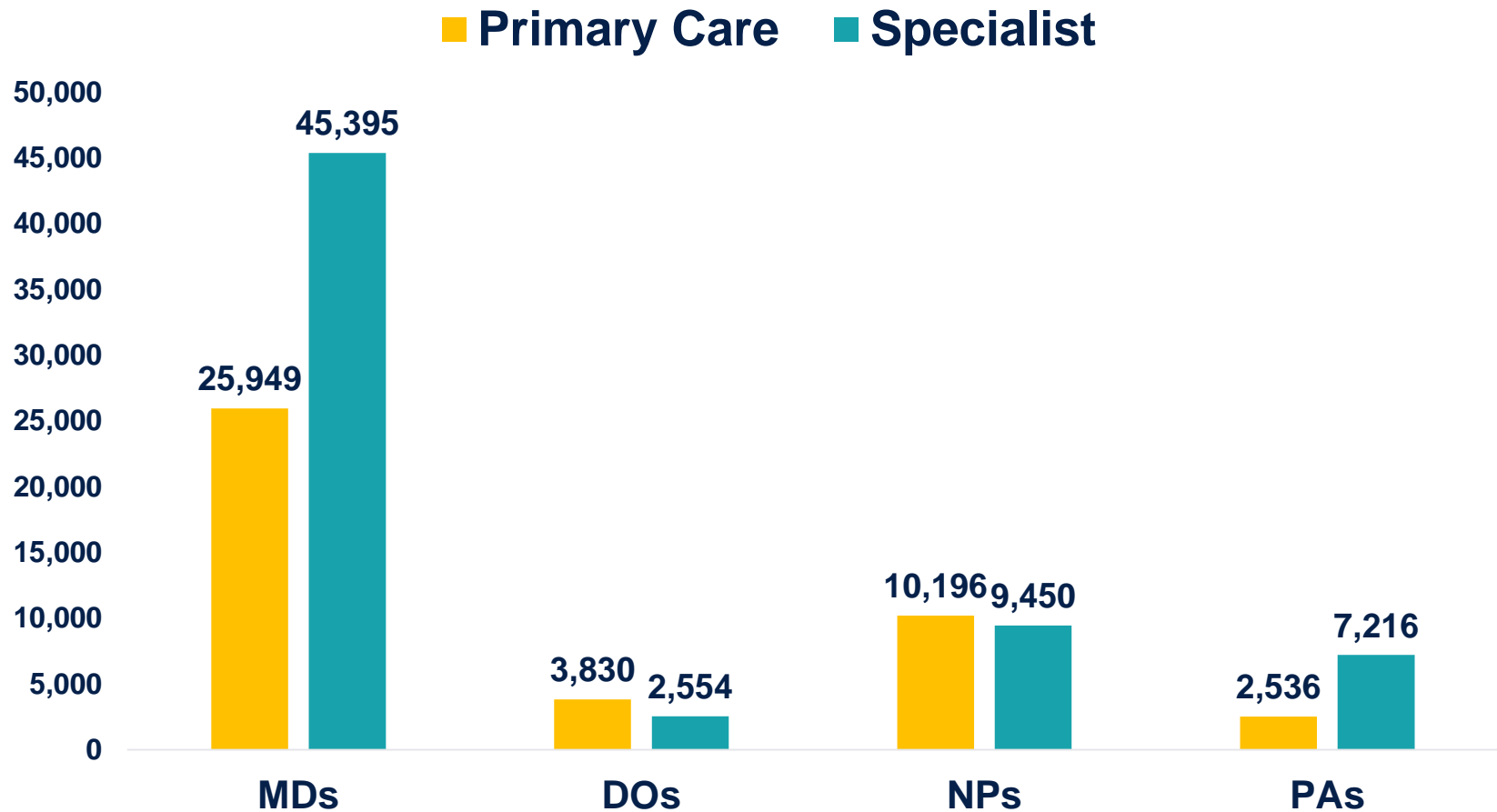
**February 6, 2018**

# Overview

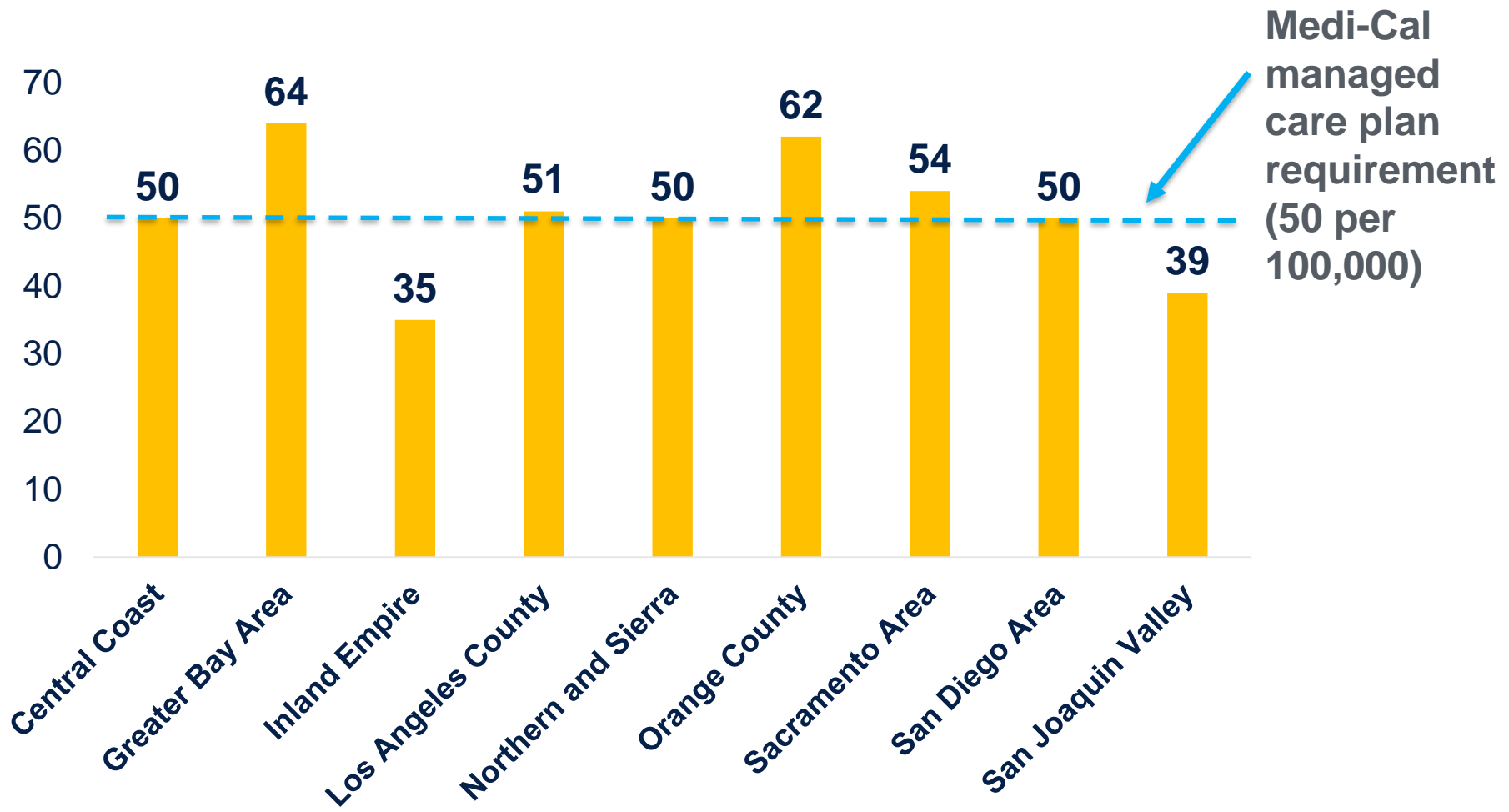
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- California's current primary care workforce
  - Supply
  - Geographic distribution
  - Demographic characteristics
- Primary care clinician education in California
- Future supply and demand for primary care clinicians in California

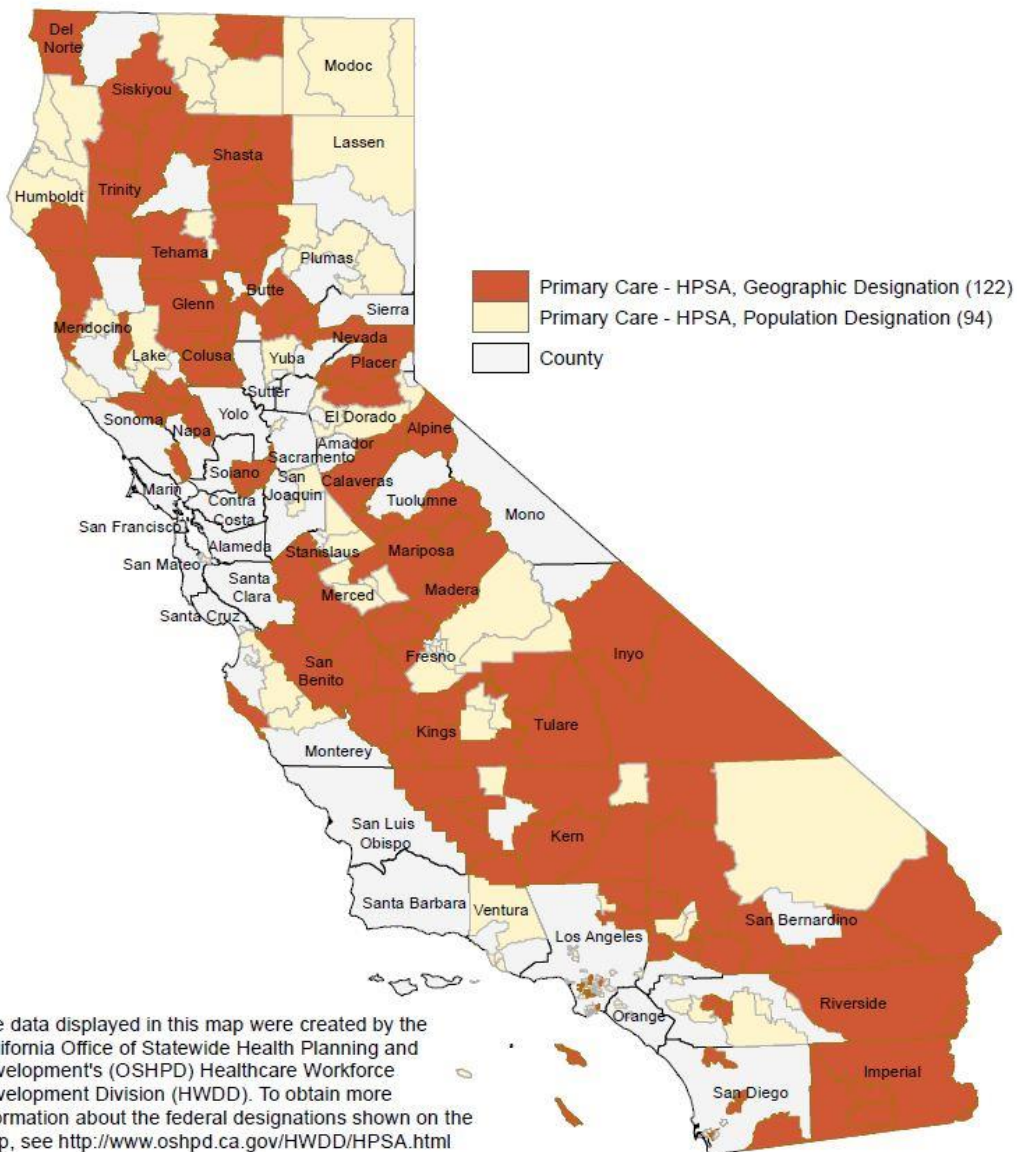
# Numbers of MDs, DOs, NPs, and PAs in California, 2016



# Ratios of Active Primary Care Physicians per 100,000 Population by Region, California, 2015

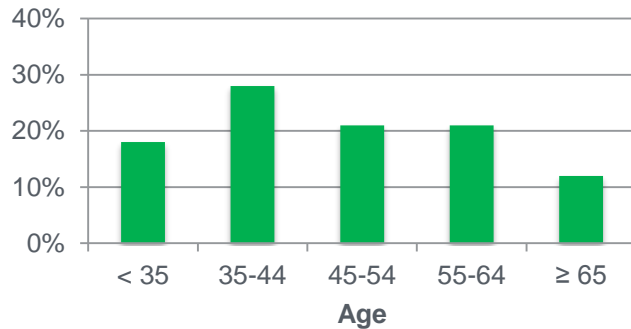


# Primary Care Health Professional Shortage Areas

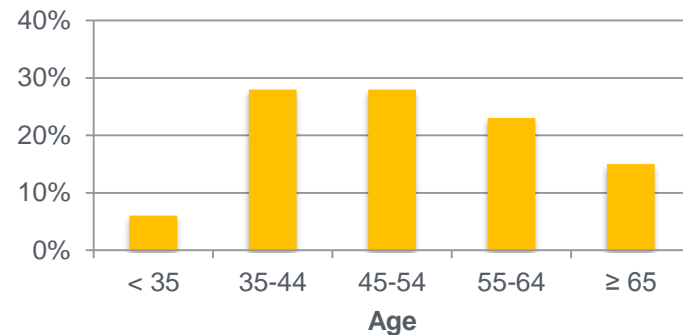


# Age Distribution of MDs, NPs, and PAs, California, 2015

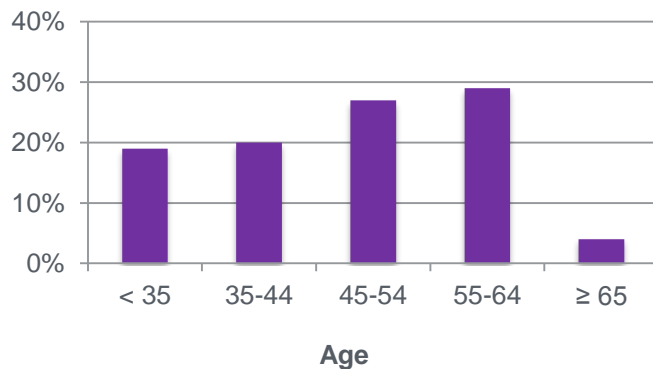
### All Physicians



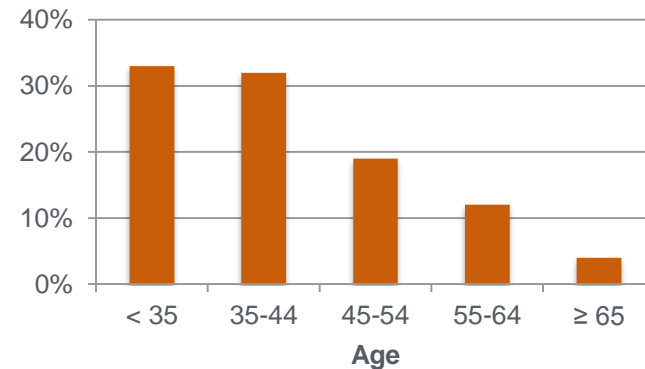
### MDs in Primary Care



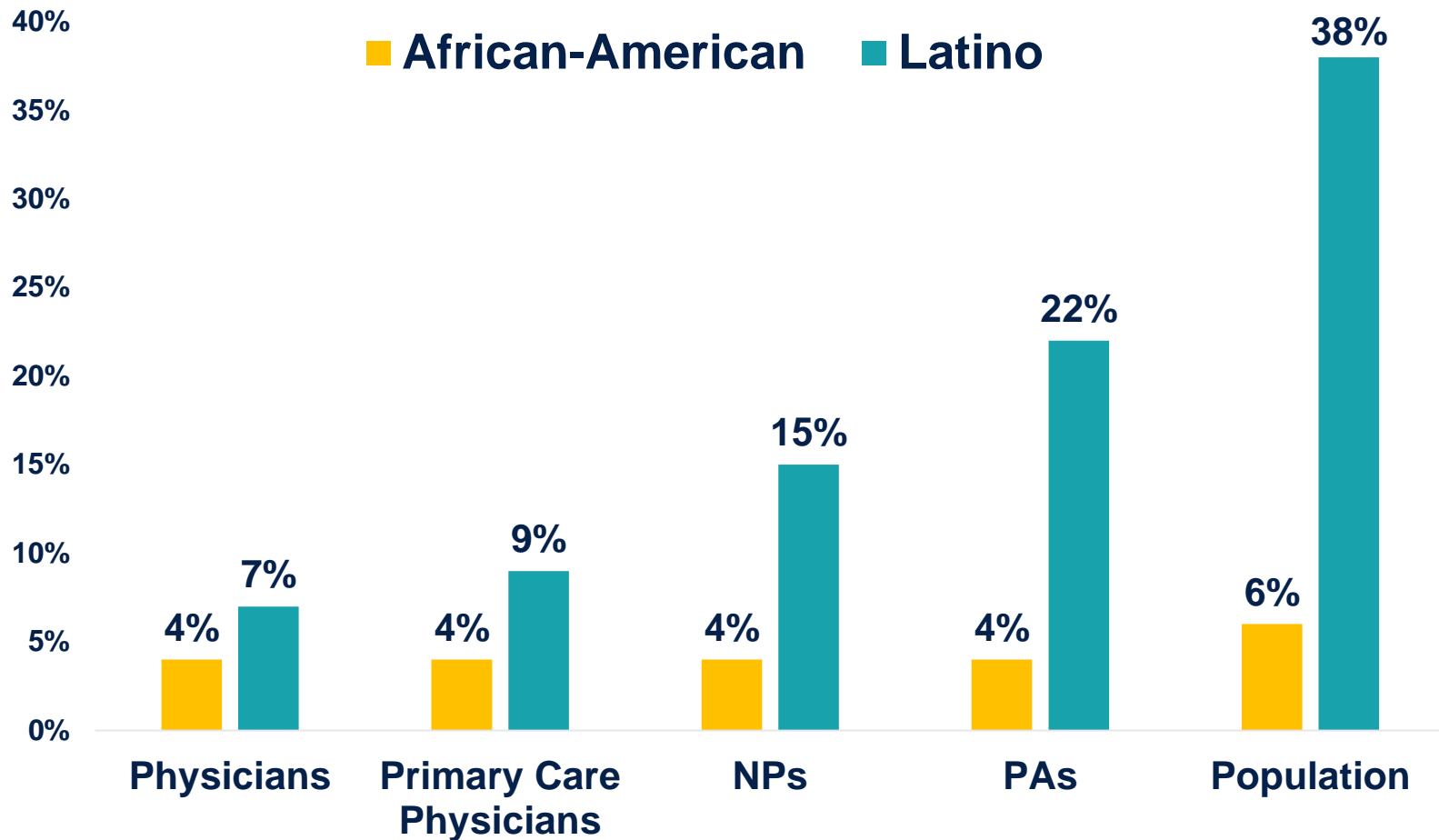
### All NPs



### All PAs



# Diversity of California's Primary Care Clinicians Compared to its Population, 2015



# Education in Primary Care Professions in California

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- 1,529 first-year medical residents entered residency programs in primary care specialties in 2017.
  - Estimate 755 will provide primary care
- 866 graduates of NP education programs in 2015
  - Estimate 450 will provide primary care
- 355 graduates of PA education programs in 2015
  - Estimate 92 will provide primary care



# Future Supply of Primary Care Clinicians in California

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- Between 2016 and 2030
  - The supply of primary care MDs is projected to decrease between 8% and 25%.
  - The supply of primary care NPs is projected to increase between 82% and 157%.
  - The supply of primary care PAs is projected to increase between 64% and 127%.
- DOs not included due to limited data

# Future Demand for Primary Care Clinicians in California

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- By 2030, California is projected to have either a shortage or a small surplus of primary care clinicians depending on assumptions about
  - Rates of growth in numbers of graduates of training programs
  - Percentages of new graduates who provide primary care
  - The extent to which NPs and PAs substitute for MDs
  - Utilization of other personnel

# Conclusion

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- The available data on California's primary care clinicians suggest:
  - Maldistribution of primary care clinicians across and within regions
  - Large percentages of primary care physicians and NPs are at or near retirement age
  - Underrepresentation of African-Americans and Latinos among primary care clinicians
  - Growth in primary care NPs and PAs unlikely to be sufficient to offset decrease in primary care physicians

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