



# Stroke, Heart Attack & Diabetes Context: Santa Clara County, CA and USA



Heart disease and stroke still account for 26% of deaths among Santa Clara county residents, despite strong local progress in the past 15 years across the state and Santa Clara County, and remain the #1 and #5 killers nationally.<sup>1,2,3</sup> Given Santa Clara County's substantially lower death rates than the rest of the state from Strokes and Heart Attacks, combined with a critical mass of resourceful innovators, Santa Clara County and the SF Bay Area region have the unique opportunity to show what is possible in pressing Towards Zero Preventable Heart Attacks, Strokes, and Diabetes Deaths & Disabilities. Focused, collaborative efforts to address clinical performance gaps among delivery systems and medical groups for the critical risk factors of control of cholesterol, blood pressure and blood sugar can reduce risk of death and disability from strokes, heart attacks and diabetes. In addition to managing these cardiovascular indicators among patients already engaged with the health care system, we must redouble our efforts to find and treat the vulnerable through proactive screening and outreach to help close the disparities in cardiovascular health that exist particularly for high risk racial and ethnic groups such as African Americans and those from India/South Asia.

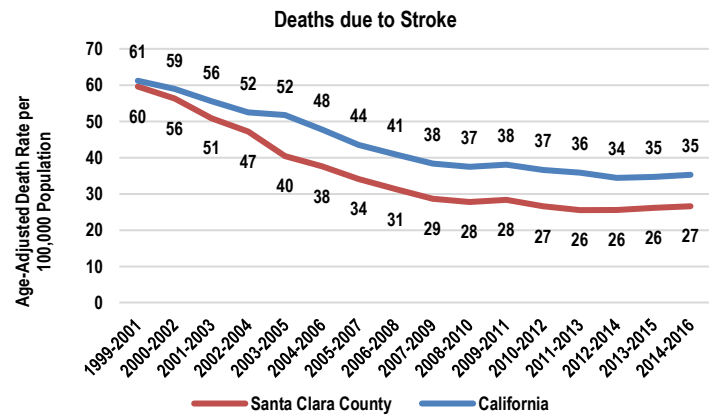
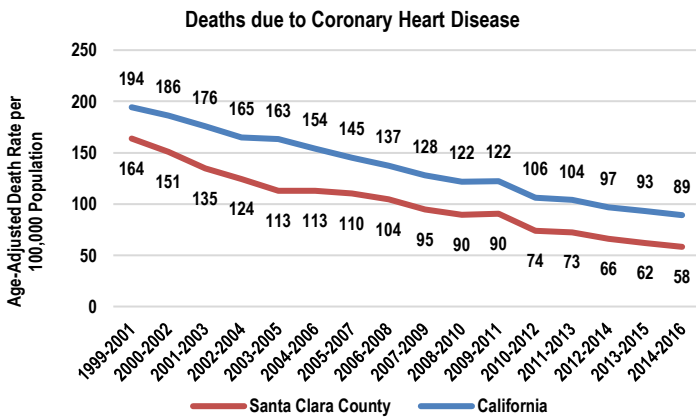


Figure 1: Three-year average age-adjusted death rate due to coronary heart disease (1999-2016). Source: California Department of Public Health. County Health Status Profiles

Figure 2: Three-year average age-adjusted death rate due to stroke (1999-2016). Source: California Department of Public Health. County Health Status Profiles

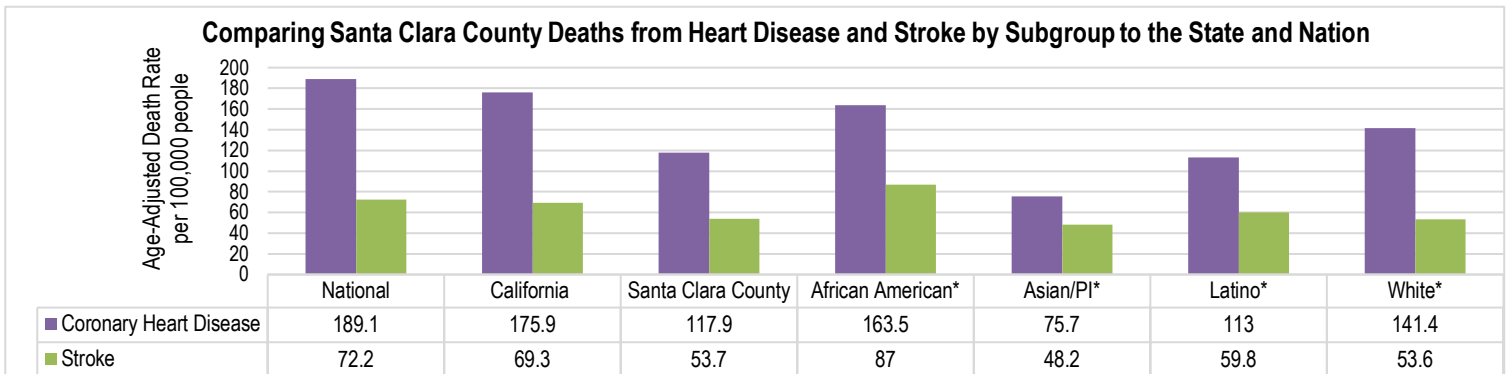


Figure 3: Age-Adjusted Death Rate in people over 35 from Heart Disease and Stroke per 100,000 people in Santa Clara County by subgroup, state and nation (2014-2016). Note: \* Subgroup from Santa Clara County. Source: Centers for Disease Control and Prevention. National Center for Chronic Disease Prevention and Health Promotion, Interactive Atlas of Heart Disease and Stroke

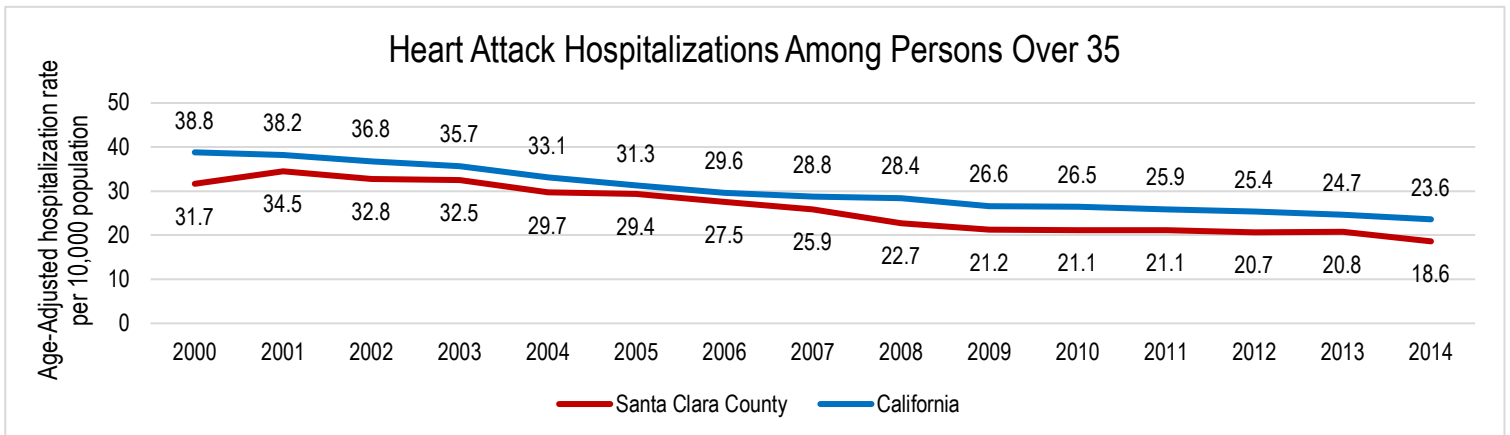


Figure 4: Age-adjusted heart attack hospitalization rate among persons 35 and over per 10,000 population, Santa Clara County compared to California (2000-2014). Source: Centers for Disease Control and Prevention. Environmental Public Health Tracking Network. Hospitalizations for Heart Attack.

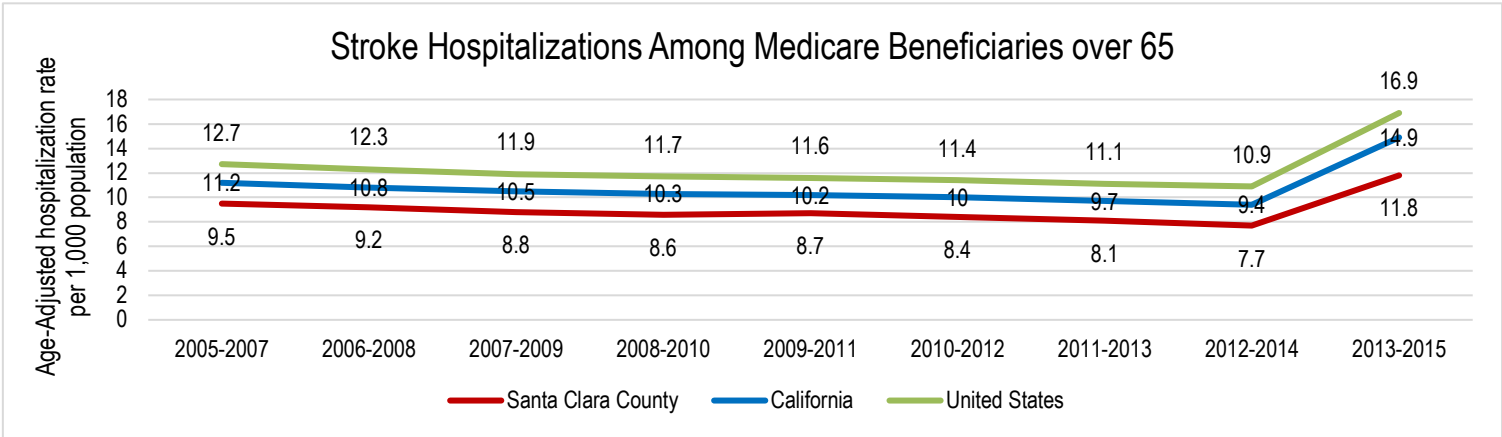


Figure 5: Age-adjusted stroke hospitalization rate among Medicare beneficiaries 65 and over per 1,000 population, Santa Clara County compared to California and Nationally (2005-2015). Source: Centers for Disease Control and Prevention. National Center for Chronic Disease Prevention and Health Promotion, Interactive Atlas of Heart Disease and Stroke

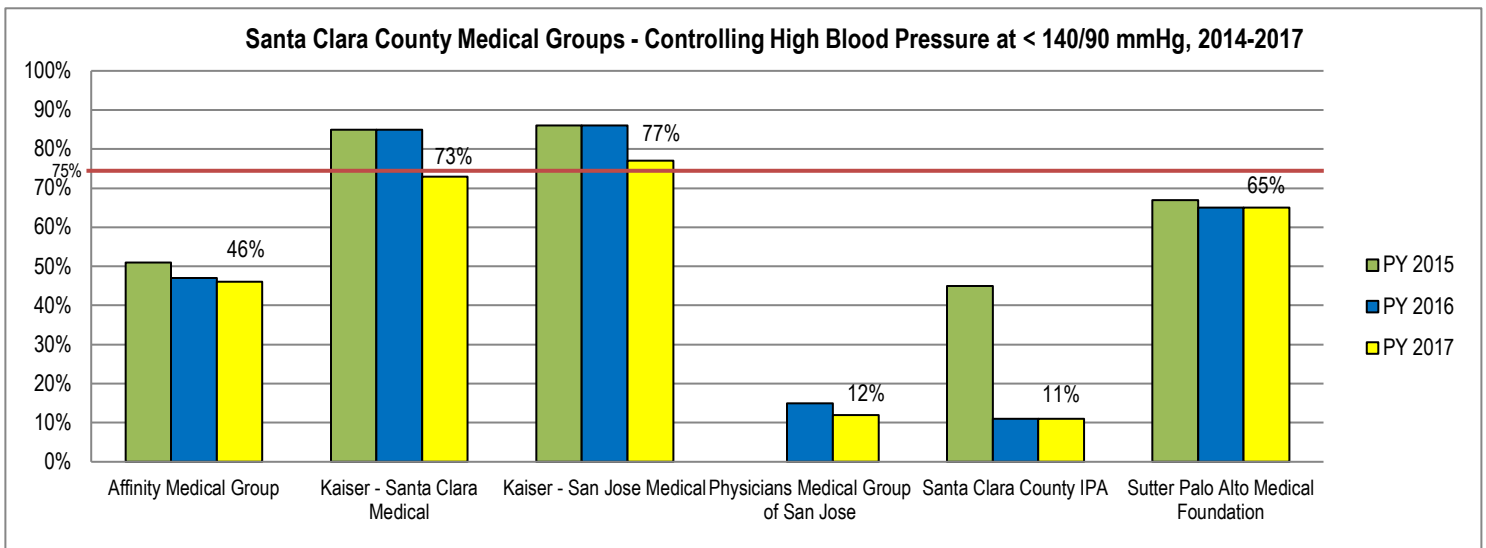


Figure 6: Santa Clara County Medical Groups Controlling High Blood Pressure at < 140/90 mmHg, Performance Year (PY) 2015-2017  
 Notes: Red Line marks 90th Percentile Performance. San Jose Medical Group did not report data.  
 Source: Performance data for managed care patients, CA Office of the Patient Advocate Report, 2018-2019 Edition

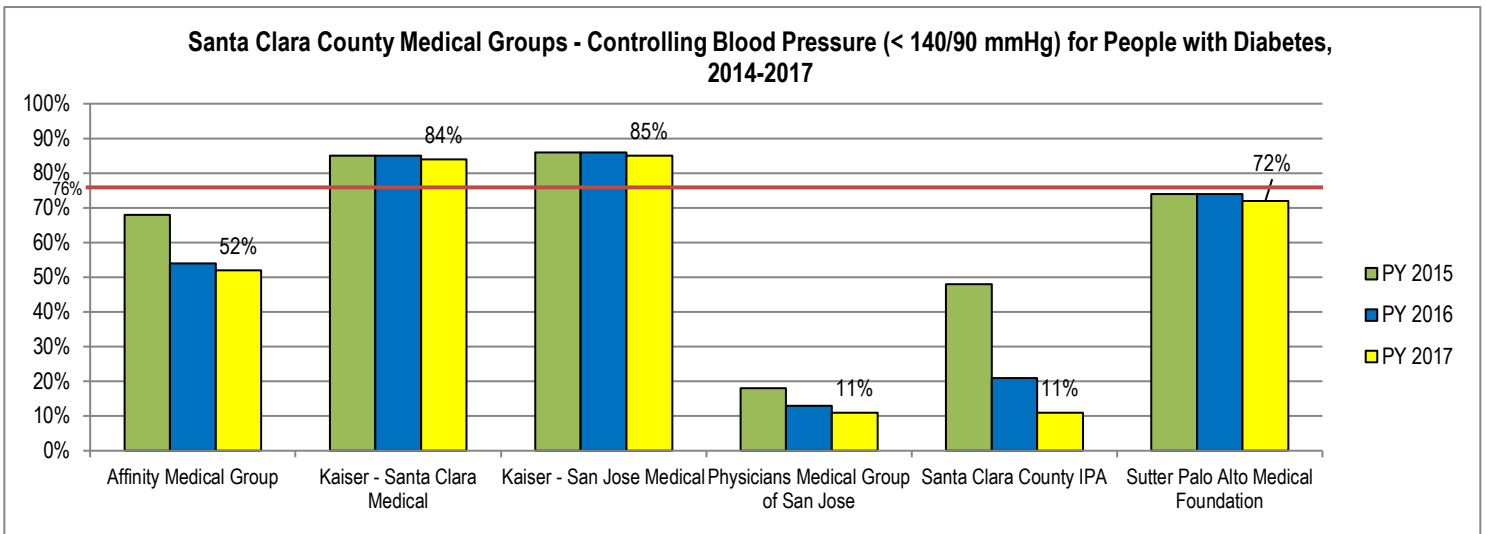


Figure 7: Santa Clara County Medical Groups Controlling Blood Pressure (< 140/90 mmHg) for People with Diabetes, Performance Year (PY) 2015-2017  
 Note: Red Line marks 90th Percentile Performance. San Jose Medical Group did not report data.  
 Source: Performance data for managed care patients. CA Office of the Patient Advocate Report. 2018-2019 Edition

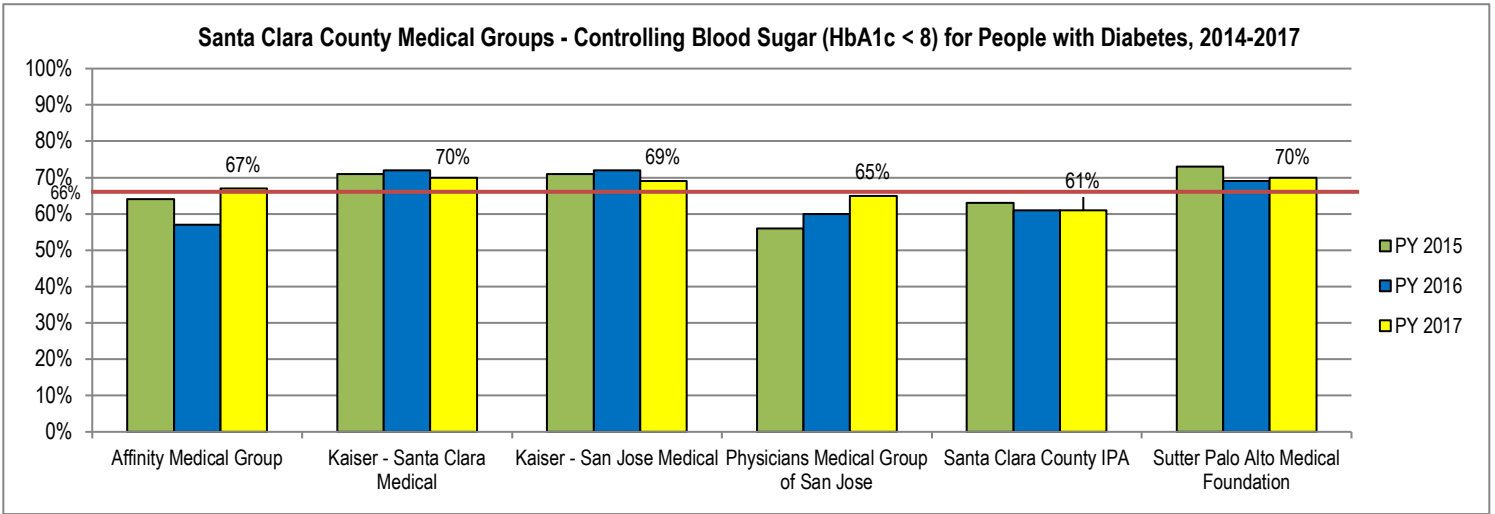


Figure 8: Santa Clara County Medical Groups Controlling Blood Sugar (HbA1c < 8) for People with Diabetes, Performance Year (PY) 2015-2017

Note: Red Line marks 90th Percentile Performance. San Jose Medical Group did not report data.

Source: Performance data for managed care patients, CA Office of the Patient Advocate Report, 2018-2019 Edition

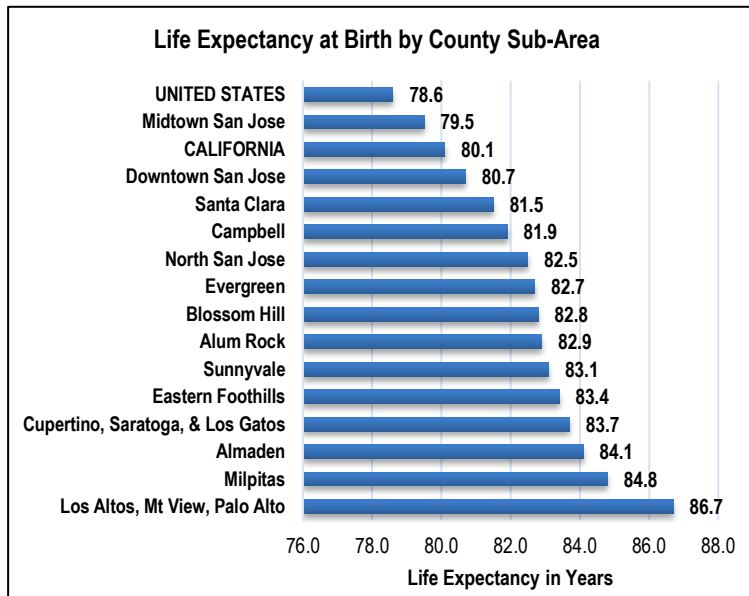


Figure 9: Life Expectancy at Birth by County Sub-Area. Source: Santa Clara County Community Health Existing Conditions Report, 2013

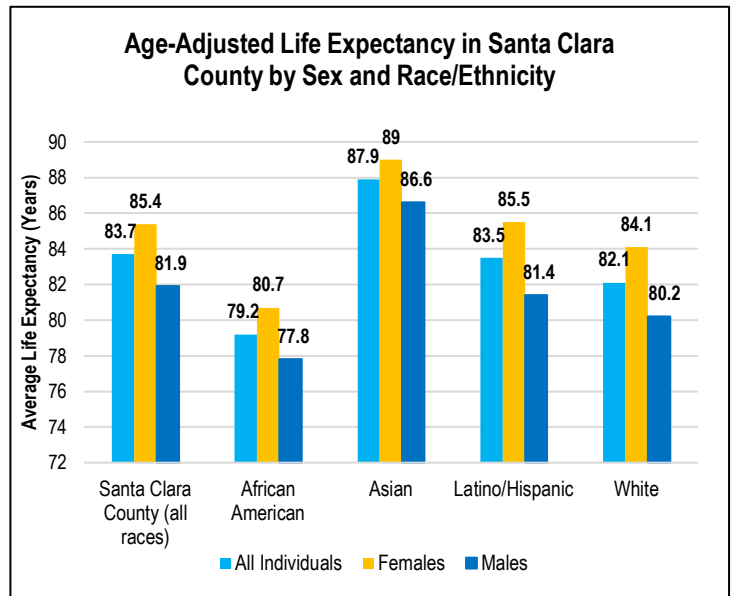


Figure 10: Age-Adjusted Life Expectancy in Santa Clara County by Sex and Race/Ethnicity. Source: Santa Clara County 2010 Health Profile Report; 2010 Vital Statistics

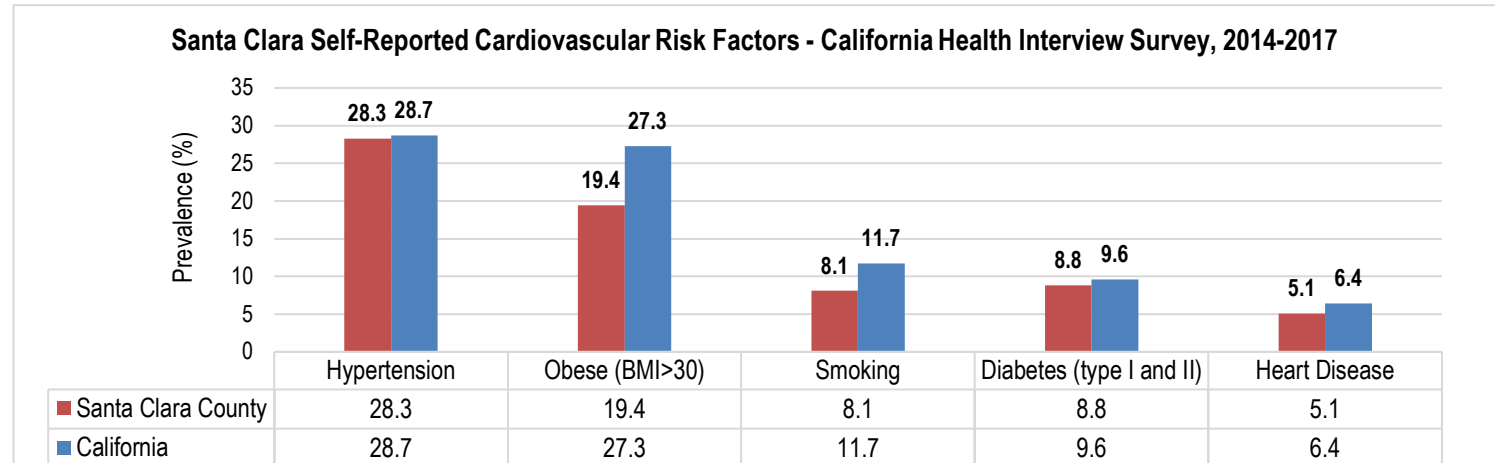


Figure 11: Self-Reported Cardiovascular Risk Factors, 2014-2017

Source: Source: Self-reported, publicly available telephone survey data, California Health Interview Survey (CHIS) UCLA Center for Health

### Santa Clara Self-Reported Cardiovascular Risk Factors by Race/Ethnicity - California Health Interview Survey, 2014-2017

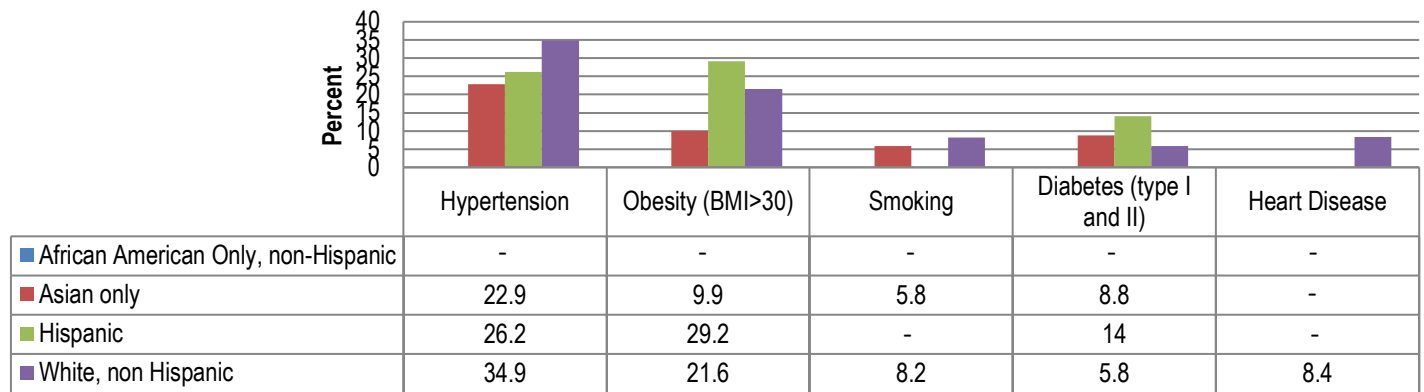


Figure 12: Self-Reported Cardiovascular Risk Factors by Race/Ethnicity, 2014-2017  
 Note: Results for African Americans, Asian/Pacific Islanders and Hispanic for some outcomes not reported due to small sample size and/or statistical instability.  
 Source: Self-reported, publicly available telephone survey data, California Health Interview Survey (CHIS) UCLA Center for Health Policy Research

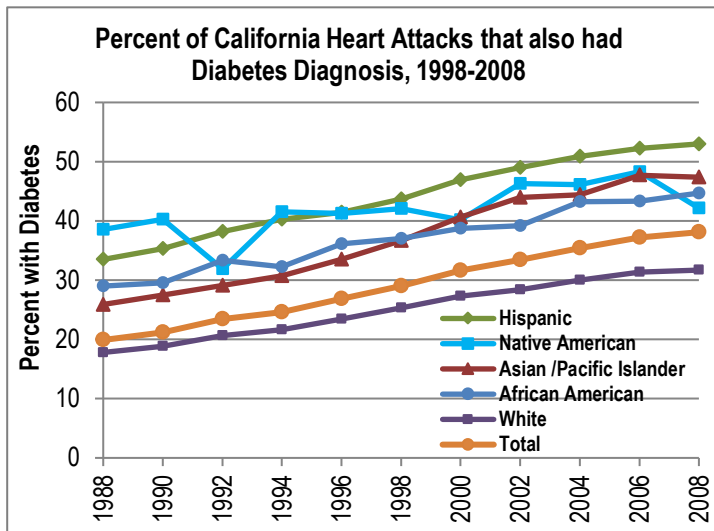


Figure 13: Percent of California Heart Attacks that also had Diabetes Diagnosis 1998-2008. Source: California Office of Statewide Health Planning and Development

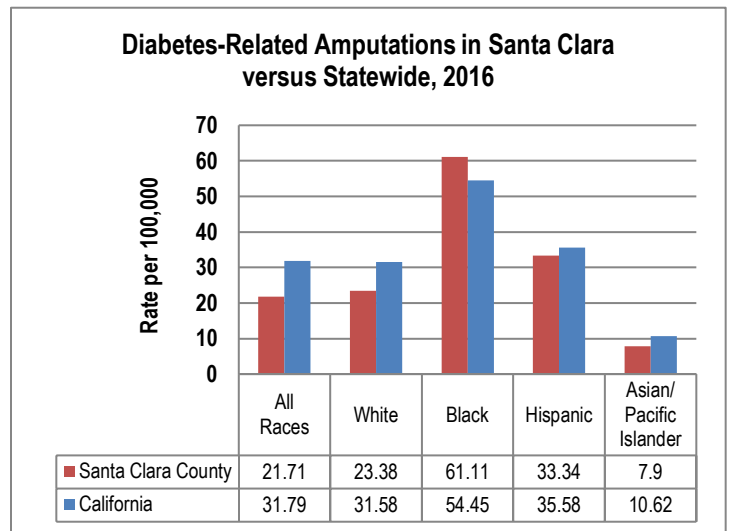


Figure 14: Diabetes-related Lower Extremity Amputation rate per 100,000 for different race/ethnicity groups in Santa Clara County compared to California (2016) Source: Office of Statewide Health Planning and Development (OSHPD) 2016 Dataset

#### References

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- California Office of Statewide Health Planning and Development "Trends in Cardiac Care in California 1988 to 2008"
- Office of Statewide Health Planning and Development (OSHPD) 2016 Dataset prepared by Karen Henderson – August 2017.