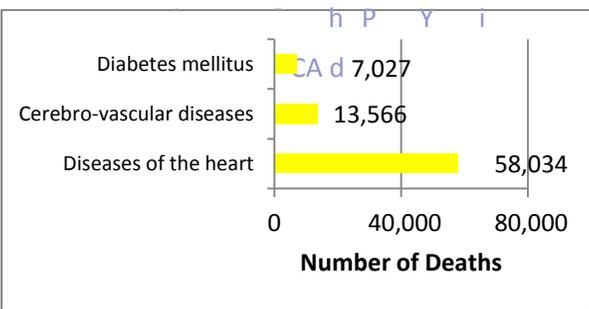


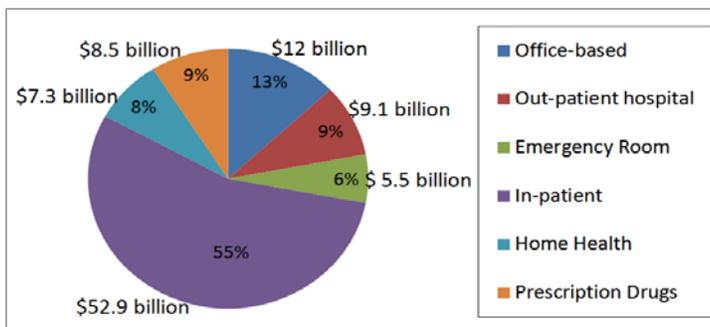
- In 2011 there were over 1 million hospitalizations for heart attacks and strokes - 836,040 for heart attacks and 215,777 for strokes.
- Hispanics, African-Americans, Asian-Pacific Islanders and Native Americans have significantly higher rates of heart attacks with diabetes diagnosis than whites.
- African-Americans have the highest stroke hospitalization rate of all racial/ethnic groups.
- Compared to 1989, in 2009 30% fewer patients died in hospital from stroke. But 10% more patients were sent to long term care institutions.
- According to the CDC, a major factor driving the national disparity in preventable death from CVD is that only 48% of adults ages 40-64 with high cholesterol are receiving treatment for it, compared with 64% in those over 65. This leads to approximately 112,000 preventable deaths annually among those ages 40-64.

**Number of deaths in California, 2010<sup>5</sup>**



**Costs of Heart Disease (MEPS)<sup>6</sup>**

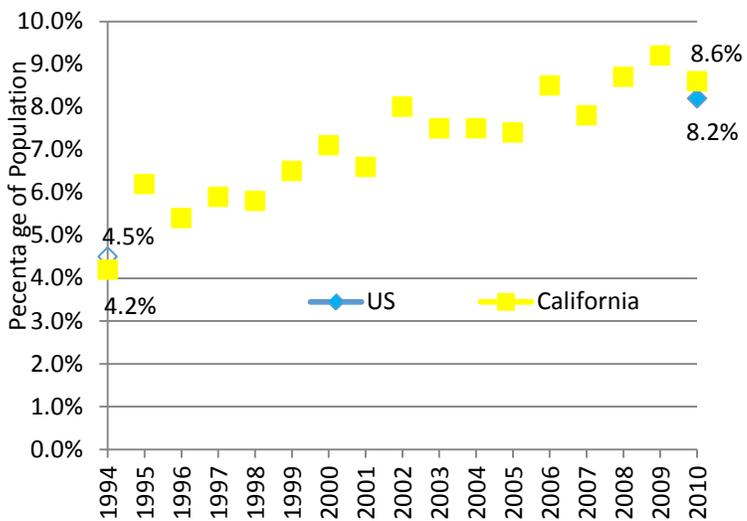
Total US medical expenditures for heart disease, by type of service: Adults



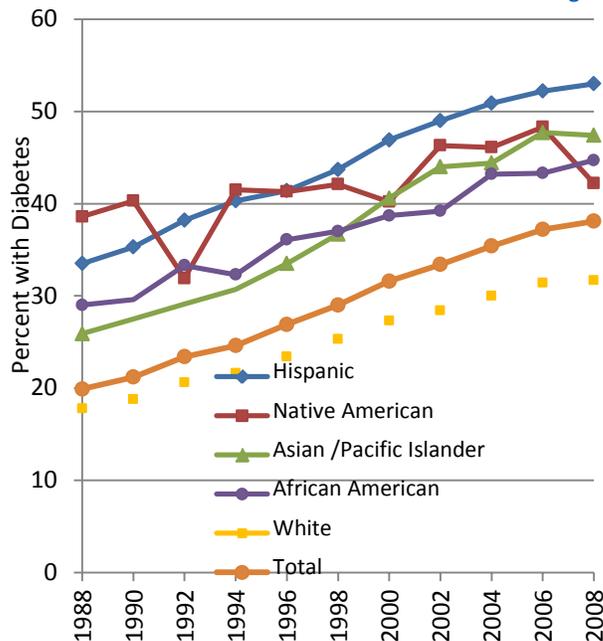
**Rate of Diabetes Almost Doubles 1994-2010 (CDC & OSHPD)**

Note that the increase in diagnosed diabetes prevalence may be the result of improved survival of persons with diabetes, enhanced detection of undiagnosed diabetes, demographic changes, and changes in diagnostic criteria.

**Diagnosed Diabetes Prevalence US and CA, Age-adjusted Percentage<sup>8</sup>**



**% of CA Heart Attacks that also had Diabetes Diagnosis<sup>7</sup>**



<sup>1</sup> California Office of Statewide Health Planning and Development, "Strokes and AMI in CA, 2010-2011" <http://www.oshpd.ca.gov/HID/HIRC/index.html>

<sup>2</sup> Centers for Disease Control and Prevention, Division for Heart Disease and Stroke Prevention, "Interactive Atlas of Heart Disease and Stroke", <http://apps.nccd.cdc.gov/DHDSAtlas/default.aspx>

<sup>3</sup> Medical Expenditure Panel Survey. Statistical Brief #393 [http://meps.ahrq.gov/mepsweb/data\\_files/publications/st393/stat393.pdf](http://meps.ahrq.gov/mepsweb/data_files/publications/st393/stat393.pdf)

<sup>4</sup> Centers for Disease Control and Prevention- <http://www.cdc.gov/vitalsigns/HeartDisease-Stroke/infographic-text.html>

<sup>5</sup> California Department of Public Health <http://www.cdph.ca.gov/data/statistics/Documents/VSC-2010-0508.pdf>

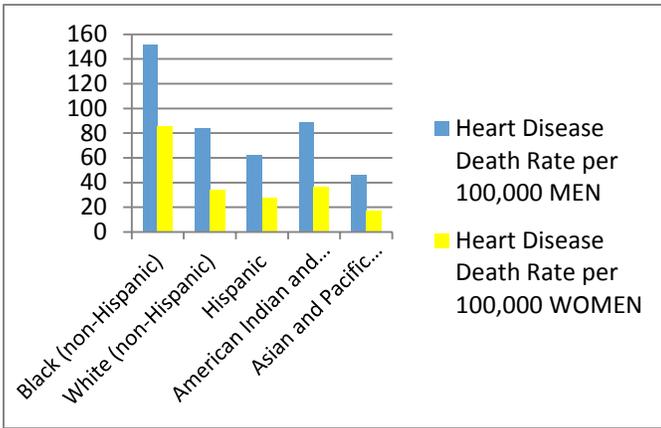
<sup>6</sup> Medical Expenditure Panel Survey. Statistical Brief #393 [http://meps.ahrq.gov/mepsweb/data\\_files/publications/st393/stat393.pdf](http://meps.ahrq.gov/mepsweb/data_files/publications/st393/stat393.pdf)

<sup>7</sup> Centers for Medicare and Medicaid Services, "Medicare Provider Charge Data" (DRG codes 064-066, 280-282, 638), <http://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Medicare-Provider-Charge-Data/index.html>

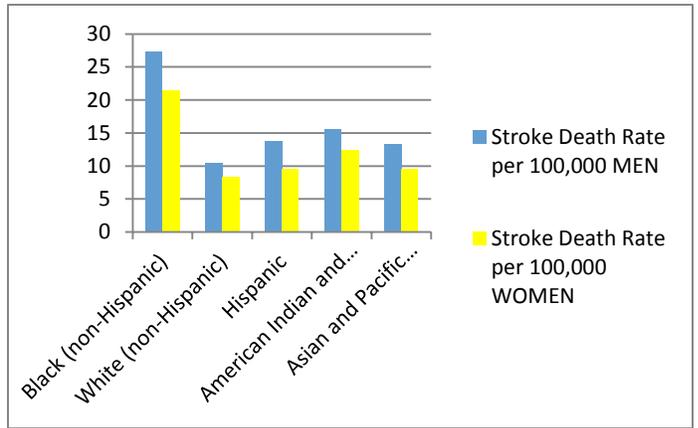
<sup>8</sup> California Office of Statewide Health Planning and Development, "Strokes and AMI in CA, 2010-2011" <http://www.oshpd.ca.gov/HID/HIRC/index.html>

**CA Health Disparities by Race and Gender (CDC)**

CA Heart Disease Death Rate, Under Age 75, 2008-10<sup>9</sup>



CA Stroke Death Rate, Under Age 75, 2008-10<sup>10</sup>

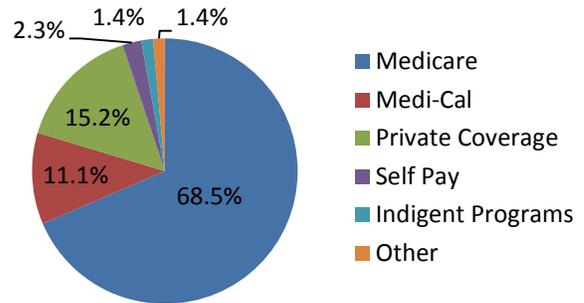


**Costs of California's Stroke, Heart Attack, and Diabetes Patients (OSHPD & CMS)**

Total Medicare Hospitalizations in CA (2011)<sup>11</sup>

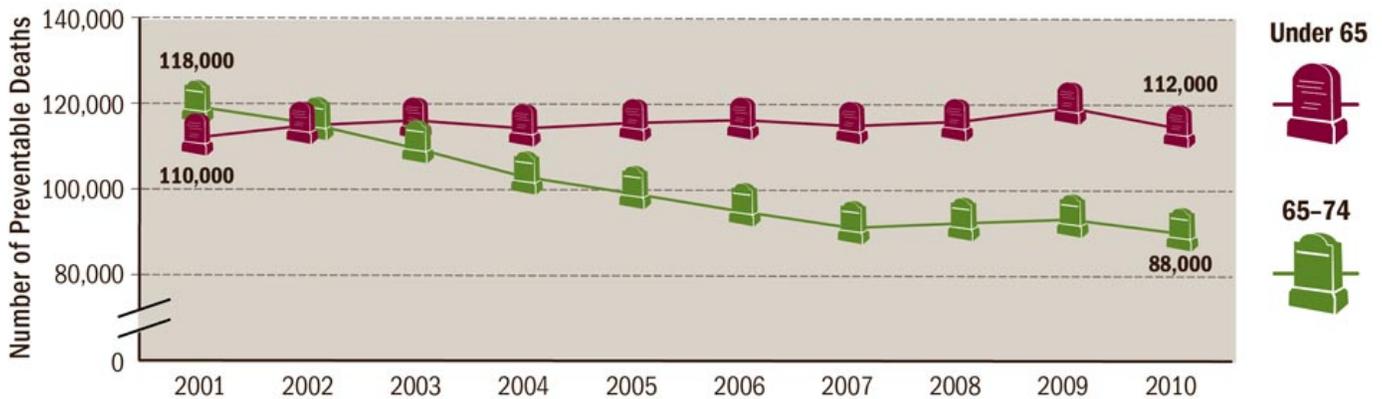
Medicare Patients Hospitalized for:	Total Discharges	Total Payments
Strokes	16,823	\$ 194,239,764
Heart Attacks, Discharged Alive	7,746	\$ 98,032,756
Diabetes with Comorbidity	3,299	\$ 24,639,213

Stroke or Heart Attack Patients in CA by Payer Type (2011)<sup>12</sup>



**Preventable CVD Deaths (US)**

**Important progress has been made, but more is needed to continue to save lives, particularly for people under 65 years**



SOURCE: National Vital Statistics System, US Census Bureau, 2001-2010.

<sup>9</sup> Centers for Disease Control and Prevention, Centers for Heart Disease and Stroke Prevention- <http://nccd.cdc.gov/DHDSPAtlas/#>

<sup>10</sup> Centers for Disease Control and Prevention, Centers for Heart Disease and Stroke Prevention- <http://nccd.cdc.gov/DHDSPAtlas/#>

<sup>11</sup> Centers for Disease Control and Prevention, "Behavioral Risk Factor Surveillance System" <http://www.cdc.gov/brfss/index.htm>

<sup>12</sup> California Office of Statewide Health Planning and Development, "Strokes and AMI in CA, 2010-2011" <http://www.oshpd.ca.gov/HID/HIRC/index.html>