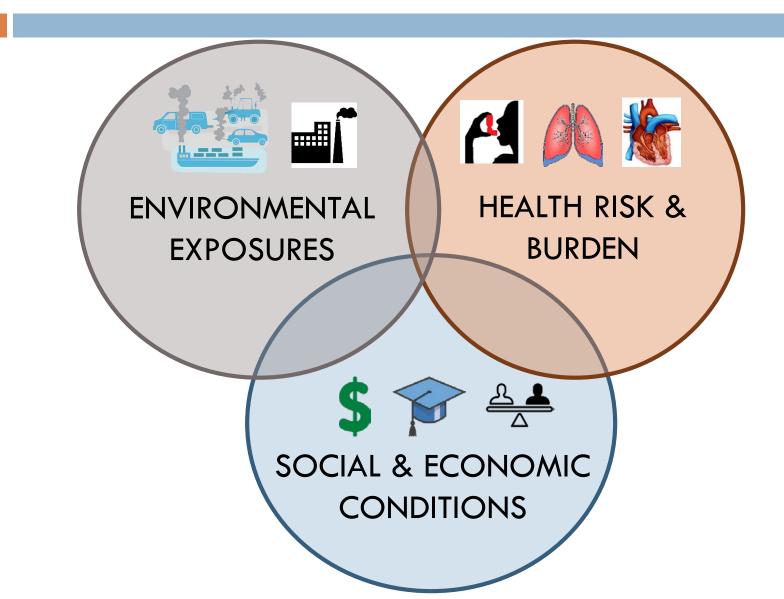
AIR POLLUTION & HEALTH IMPACTS

AB 617 COMMUNITY MEETING DUBLIN, CA May 10, 2018

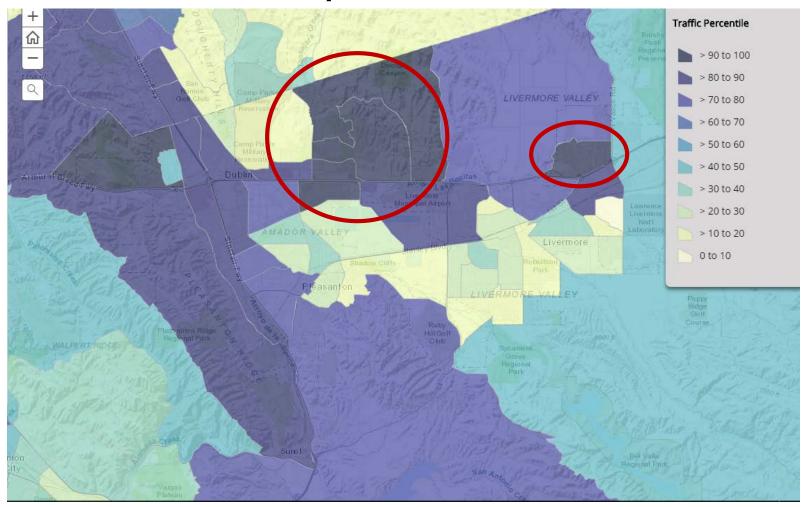


Sandi Gálvez Director, Health Equity, Policy, & Planning What puts people at risk of health impacts from air pollution?



Traffic density is especially high in parts of Dublin, Pleasanton, and Livermore.

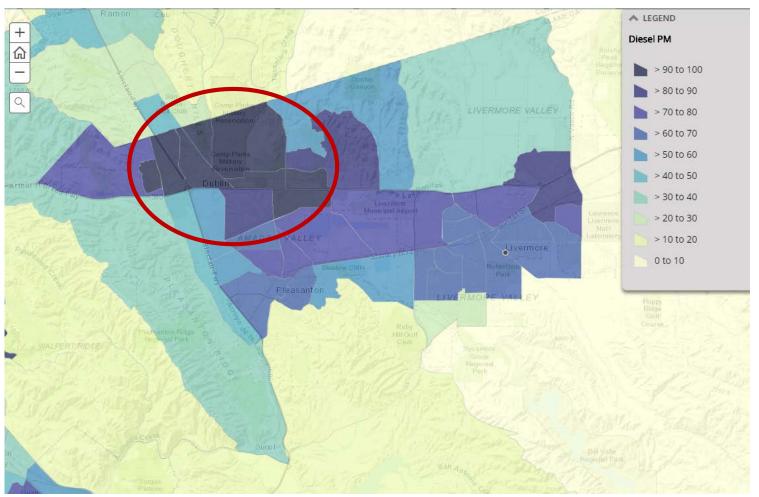
Statewide Traffic Density Percentile



Source: OEHHA, CalEnviroScreen 3.0

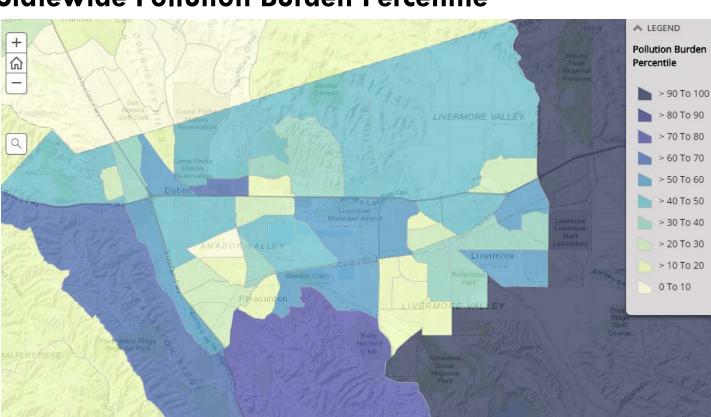
Diesel particulate matter emissions are reported to be especially high in parts of Dublin and Pleasanton.

Statewide Diesel PM Percentile



Source: OEHHA, CalEnviroScreen 3.0

Especially high overall pollution burden is reported in far eastern parts of Livermore.



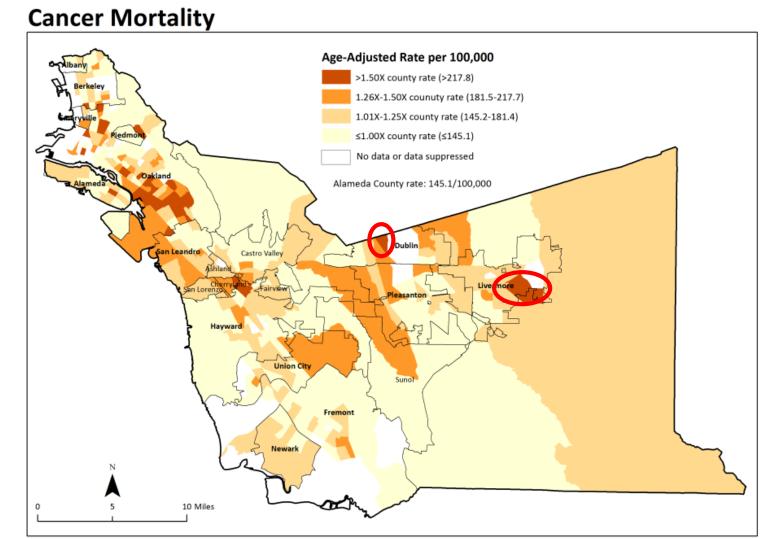
Statewide Pollution Burden Percentile

Source: OEHHA, CalEnviroScreen 3,0

Cancer, heart disease, stroke and chronic lower respiratory disease are among top 5 leading causes of death in Tri-Valley.

Leading Causes of Death in Tri-Valley	Percentage of all deaths
Cancer	27%
Heart Disease	19%
Alzheimers Disease	7%
Stroke	6%
Chronic Lower Respiratory Diseas	se 6%

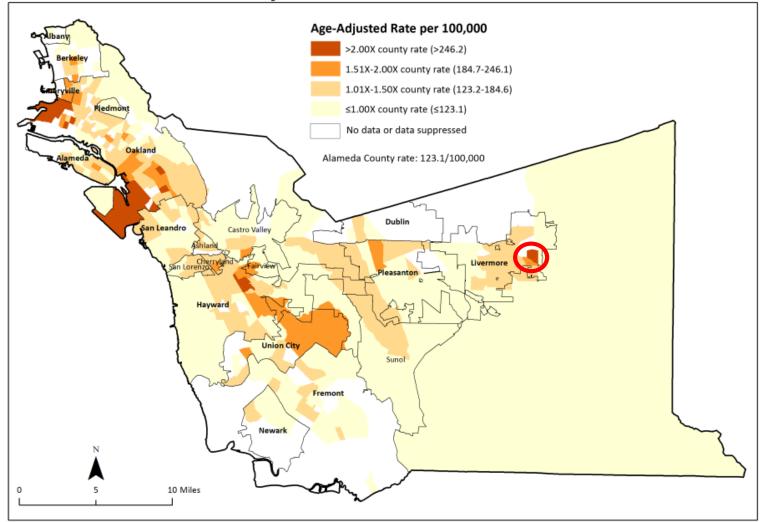
Cancer death rates are especially high in parts of Livermore and Dublin.



Source: CAPE, with data from Alameda County vital statistics files, 2012-2014.

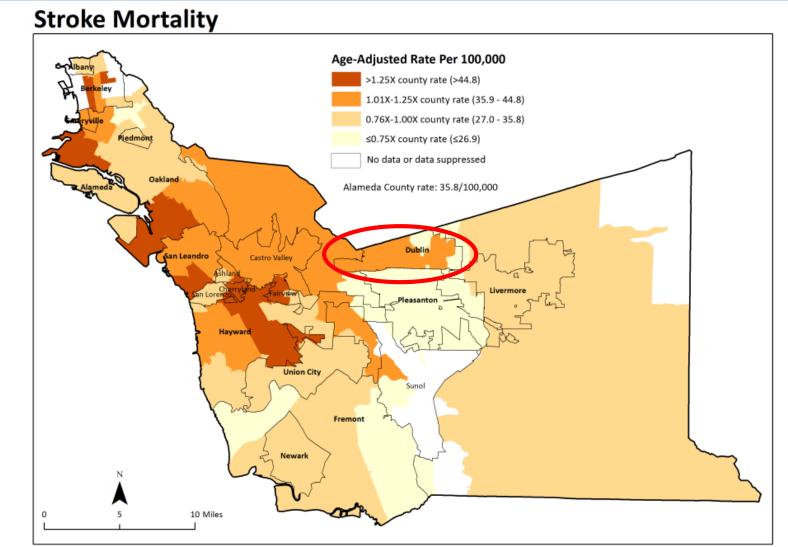
Heart disease death rates are notably high in part of Livermore.

Heart Disease Mortality



Source: CAPE, with data from Alameda County vital statistics files, 2012-2014.

Within the Tri-Valley, stroke mortality is relatively high in Dublin.



Source: CAPE, with data from Alameda County vital statistics files, 2012-2014.

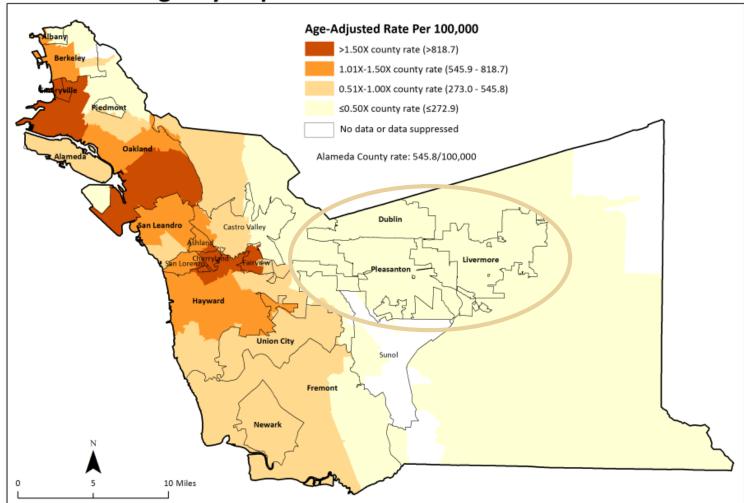
Reported adult asthma prevalence in Tri-Valley cities is higher than the county rate, but not significantly higher.

Percentage of Adults Ever Diagnosed with Asthma



with upper and lower bounds of 95% confidence interval

Rates of asthma emergency department visits are relatively low in the Tri-Valley.



Asthma Emergency Department Visits

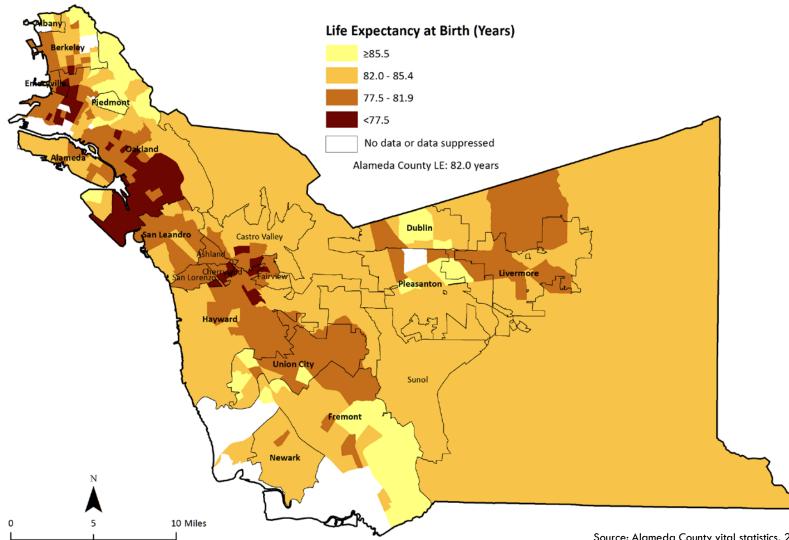
Source: CAPE, with data from OSHPD, 2012-2014.

Asthma hospitalization rates are also relatively low.

Asthma Hospitalizations, All Ages Age-Adjusted Rate Per 100,000 Iban >1.75X county rate (>196.4) 1.01X-1.75X county rate (112.3 - 196.4) 0.51X-1.00X county rate (56.2 - 112.2) ≤0.50 X county rate (≤56.1) Redmont No data or data suppressed Alameda County rate: 112.2/100,000 Oakland Dublin San Leandro Castro Valley Livermo Hayward Union City Sunol Fremont Newark 10 Miles 0

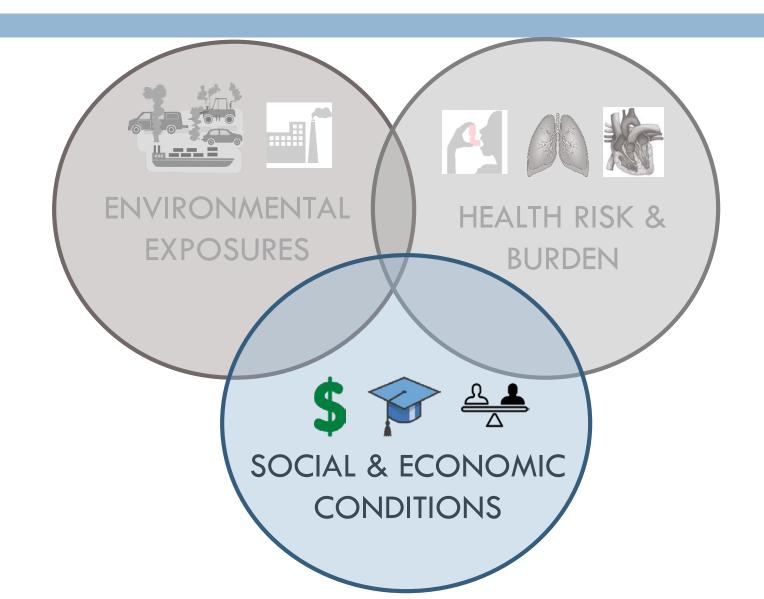
Source: CAPE, with data from OSHPD 2012-2014.

Compared to other parts of the county, the Tri-Valley has relatively longer life expectancy. But life expectancy within the region varies.



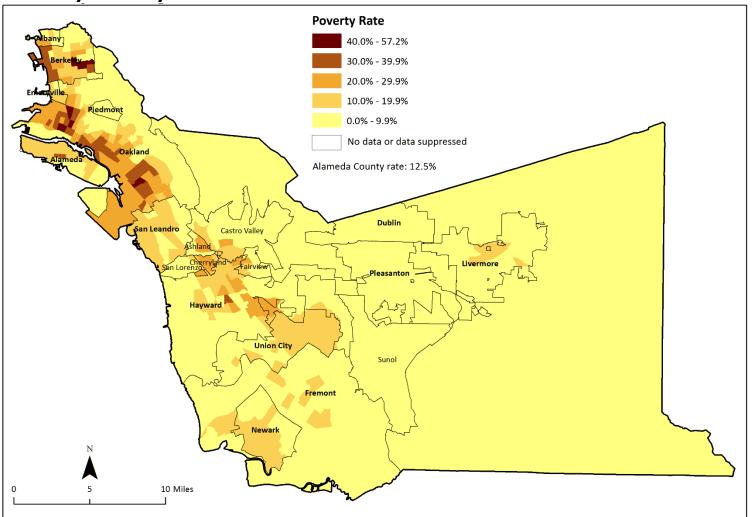
Source: Alameda County vital statistics, 2011-2015

Social and economic conditions powerfully impact health. Not all communities have the resources they need to be healthy.



Overall levels of poverty in the Tri-Valley are relatively lower than seen county-wide.

Poverty Rate by Census Tract



Source: CAPE, with data from American Community Survey 2015 5-year files.

There are some pocket areas of need within Livermore.

% Persons <200% FPL No data or data suppressed 40.0 - 100.0% 39.4% 42.6% 30.0 - 39.9% 20.0 - 29.9% & 52.2% 10.0 - 19.9% <10.0% Castro therty R Valley 36.2% Dublin & 32.1% 1 Livermore **Pleasanton** 49.9% BIVd esla Rd Hayward **Remainder of County** Union City allecitos Rd Sunol 2.5 5 Miles Fremont

Percentage of Population under 200% of Federal Poverty Line

Source: CAPE, with data from American Community Survey 2016 5-year files.

AB 617 provides opportunities to reduce air pollution emissions and yield multiple health benefits in most impacted communities.



Thank you! For questions or more info, please contact us:



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