

Best Practices Forum – Hawaii

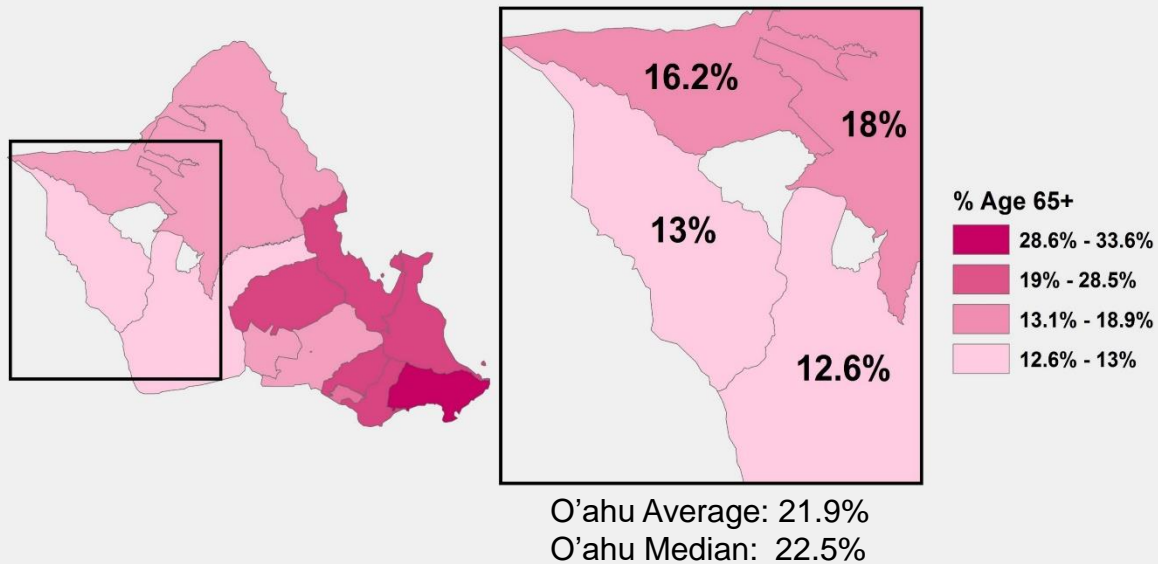
Waianae Population Health

March 9, 2017

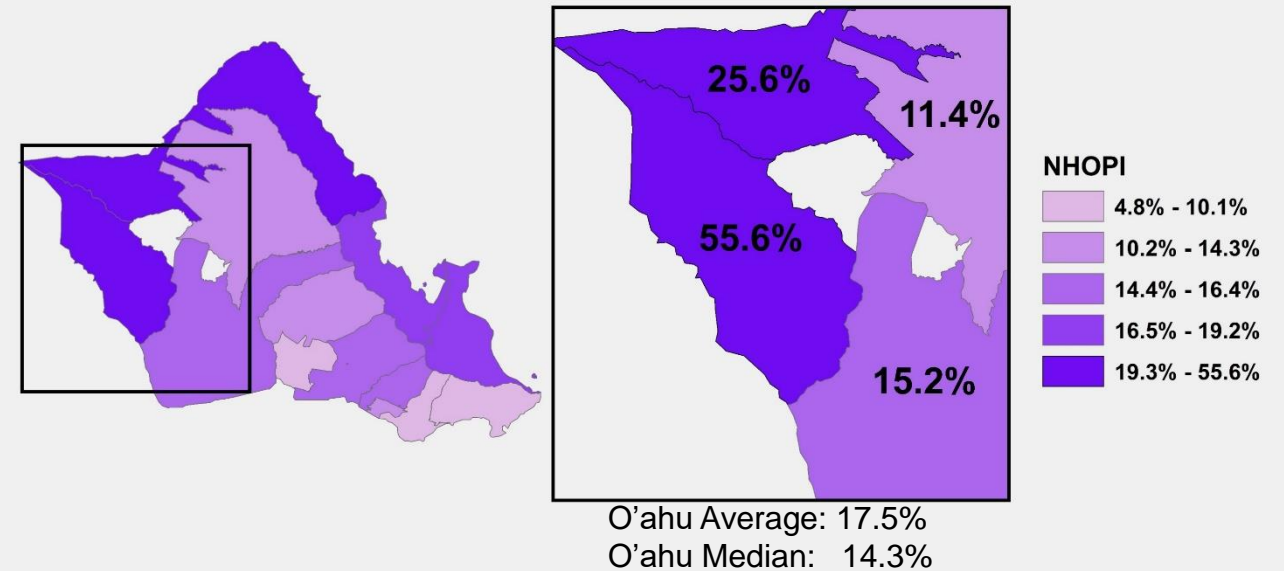
Ginny Pressler, MD, Dir Hawaii State Dept of Health

Waianae Coast Demographics

Age 65+

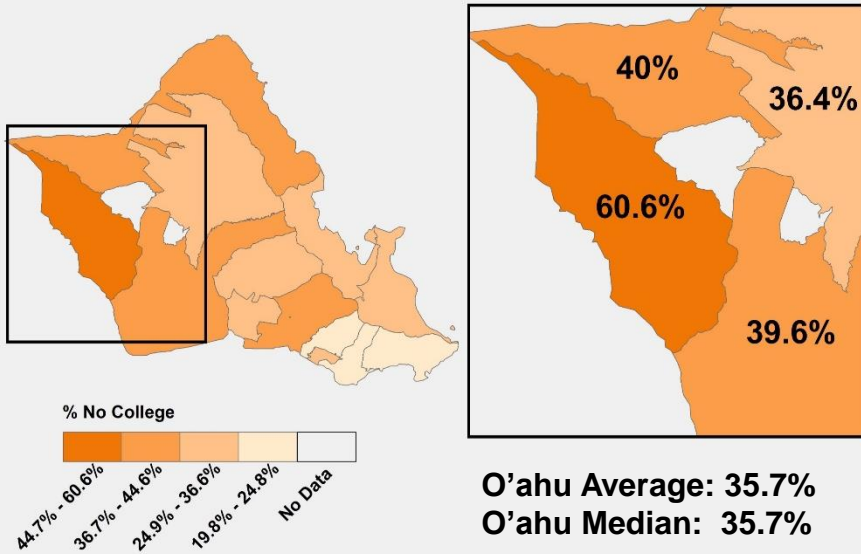


Native Hawai'ian/Other Pacific Islander

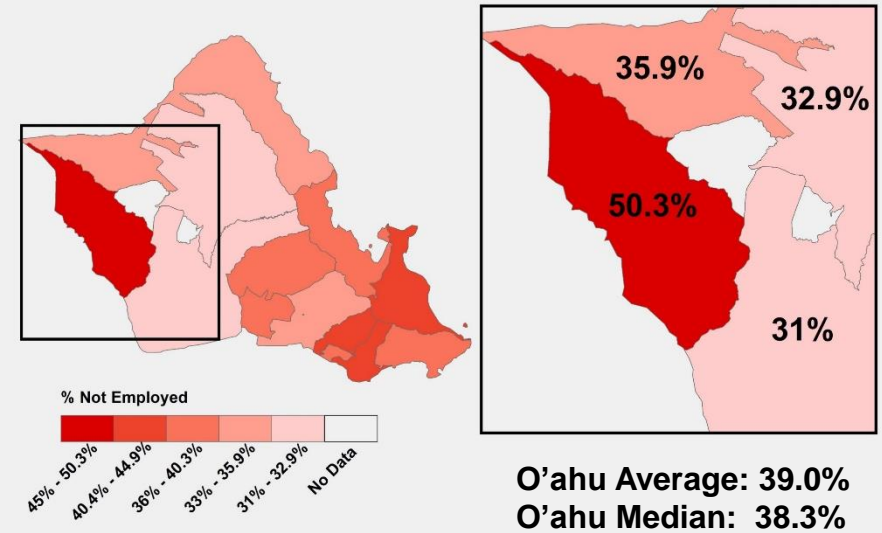


Waianae Coast Social Determinants of Health

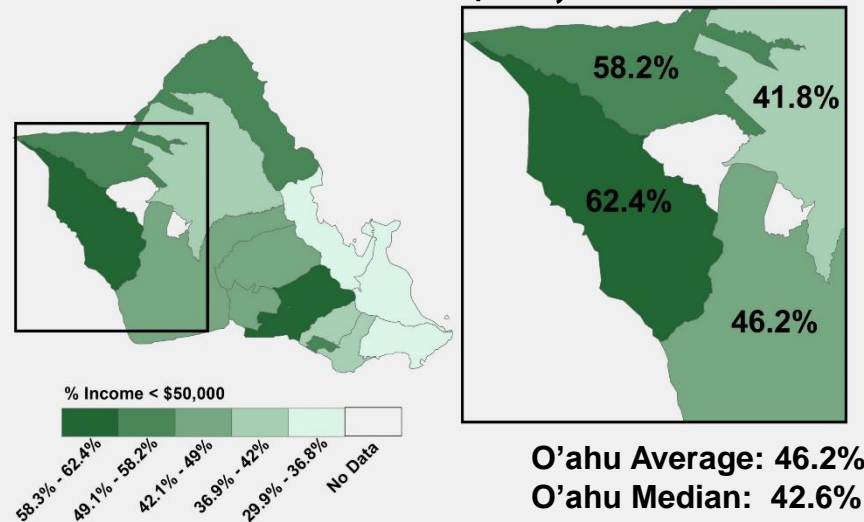
No College



% Not Employed



Income < \$50,000



Protective Factors: Fruit & Vegetable Consumption and Physical Activity



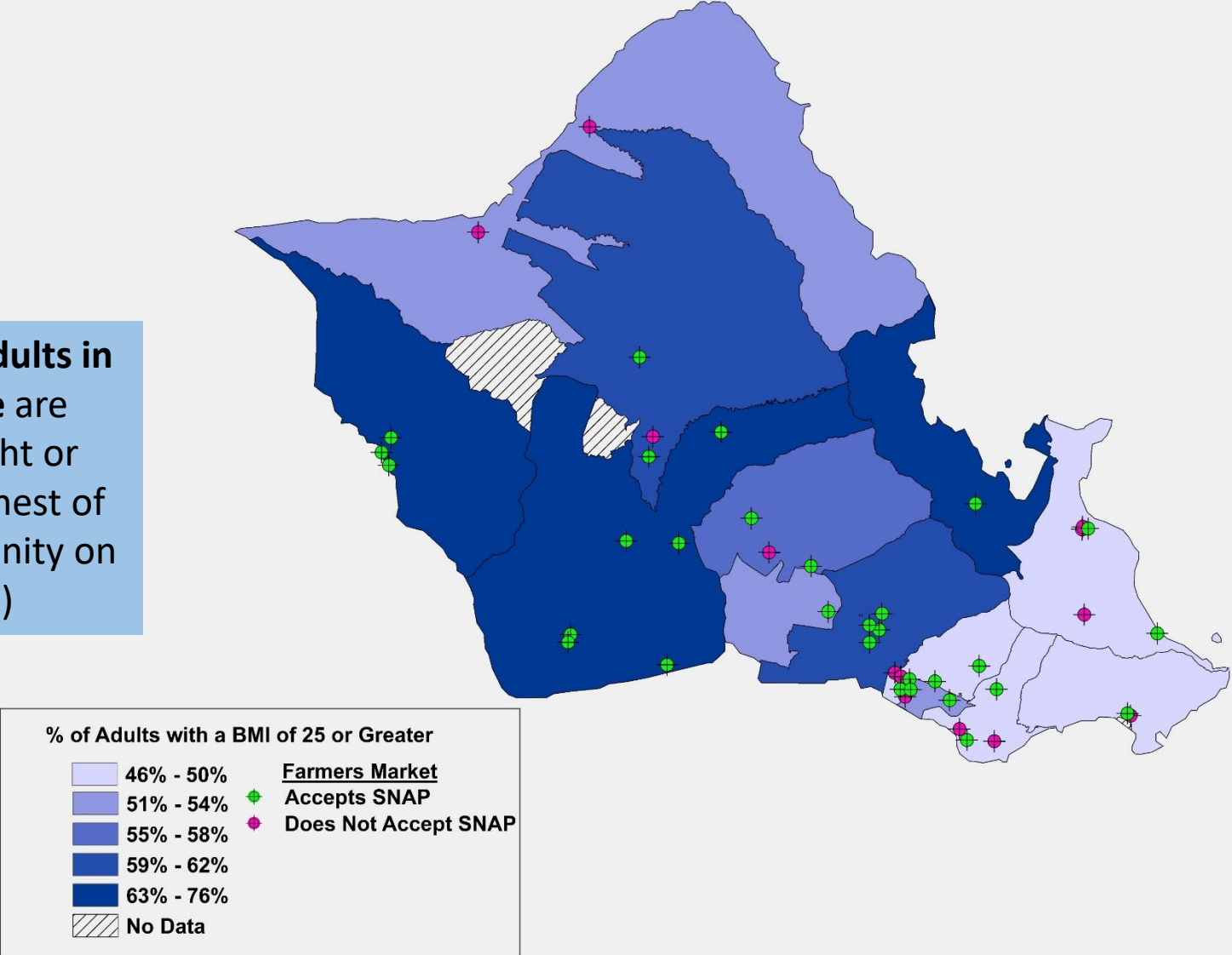
% of adults in Waianae
eat less than **1 serving** of
fruits and vegetables
each day. Oahu average:
8.3%



1 in 2 adults in Waianae
meet weekly **physical activity**
recommendations (150 minutes of
exercise per week).
Oahu average is comparable

Risk Factors: Prevalence of Adult Overweight/Obesity

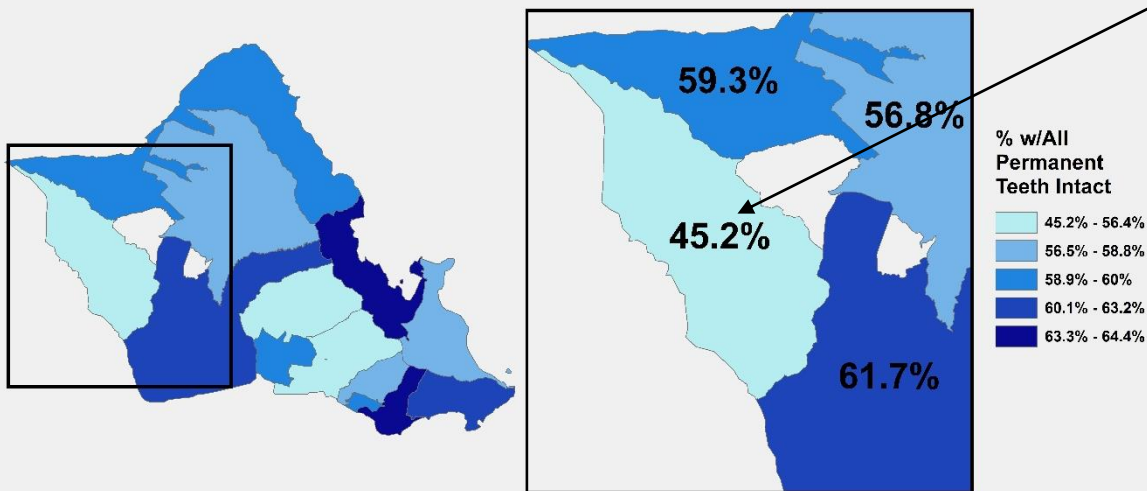
75.5% of adults in Waianae are overweight or obese (highest of any community on Oahu)



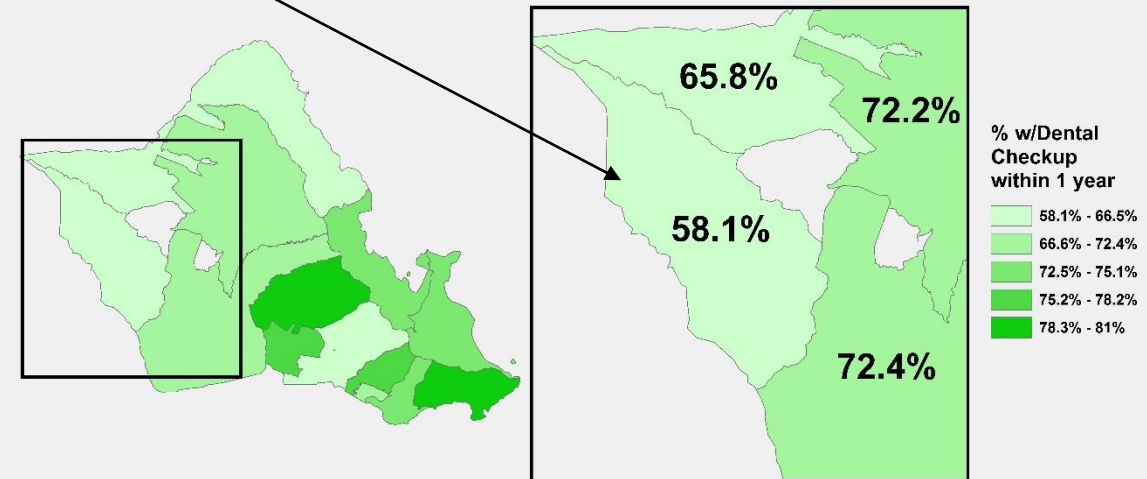
in Waianae receive public assistance

Oral Health Among Adults

Waianae has the lowest prevalence of adults with all permanent teeth intact and second lowest prevalence of adults who have received an oral health examination within the past year in the State of Hawai'i.



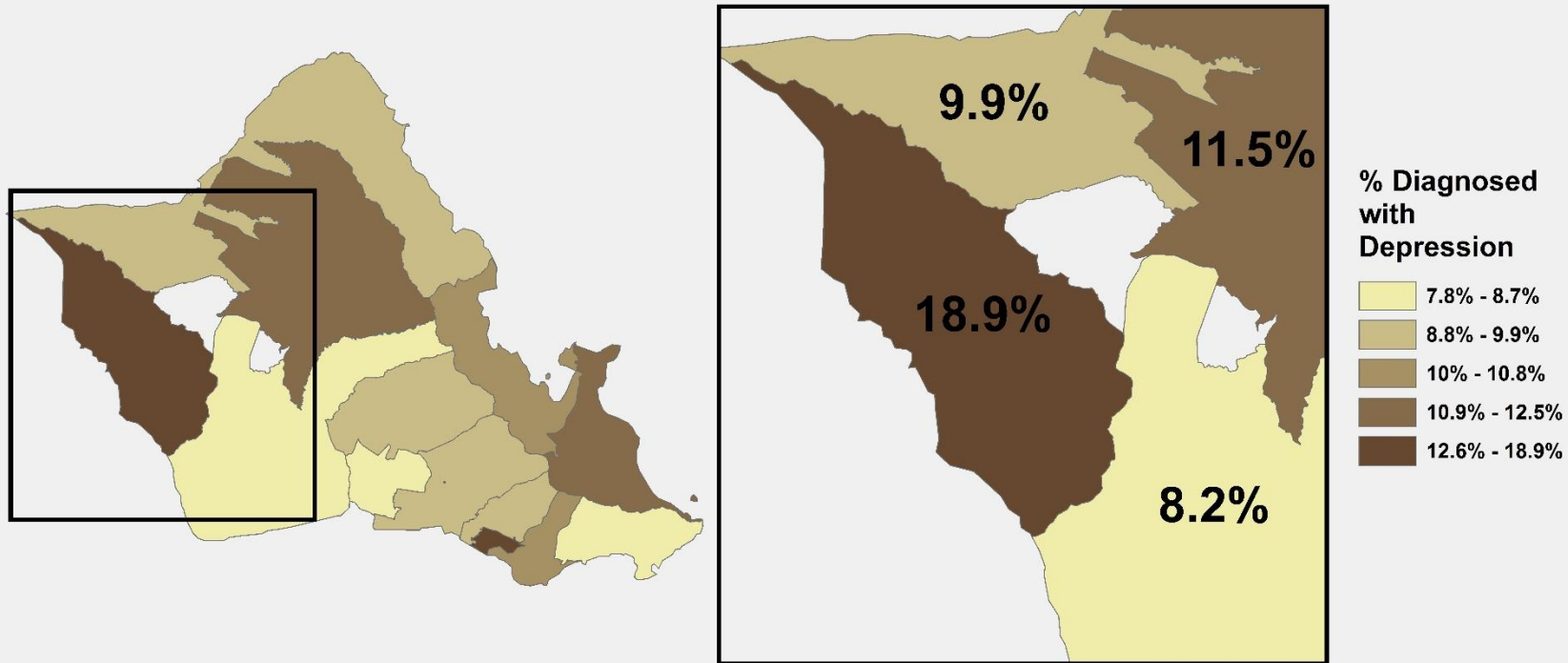
1 in 6 adults in Waianae have six or more permanent teeth removed (highest in the state)



More than 1 in 6 adults in Waianae last visited a dentist over 5 years ago (highest in the state)

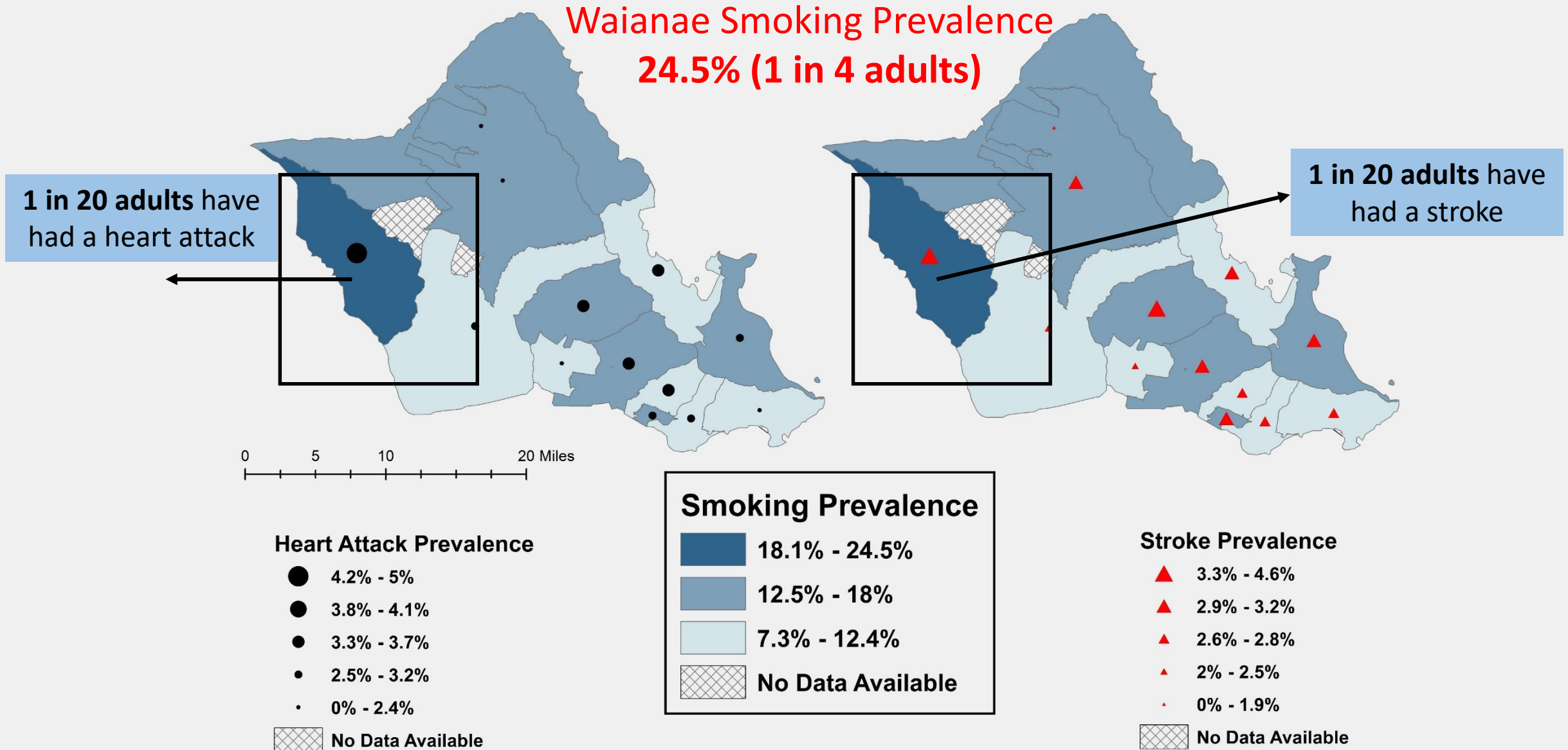
Mental Health Among Adults

Nearly **1 in 5** adults
have been diagnosed with
a depressive disorder

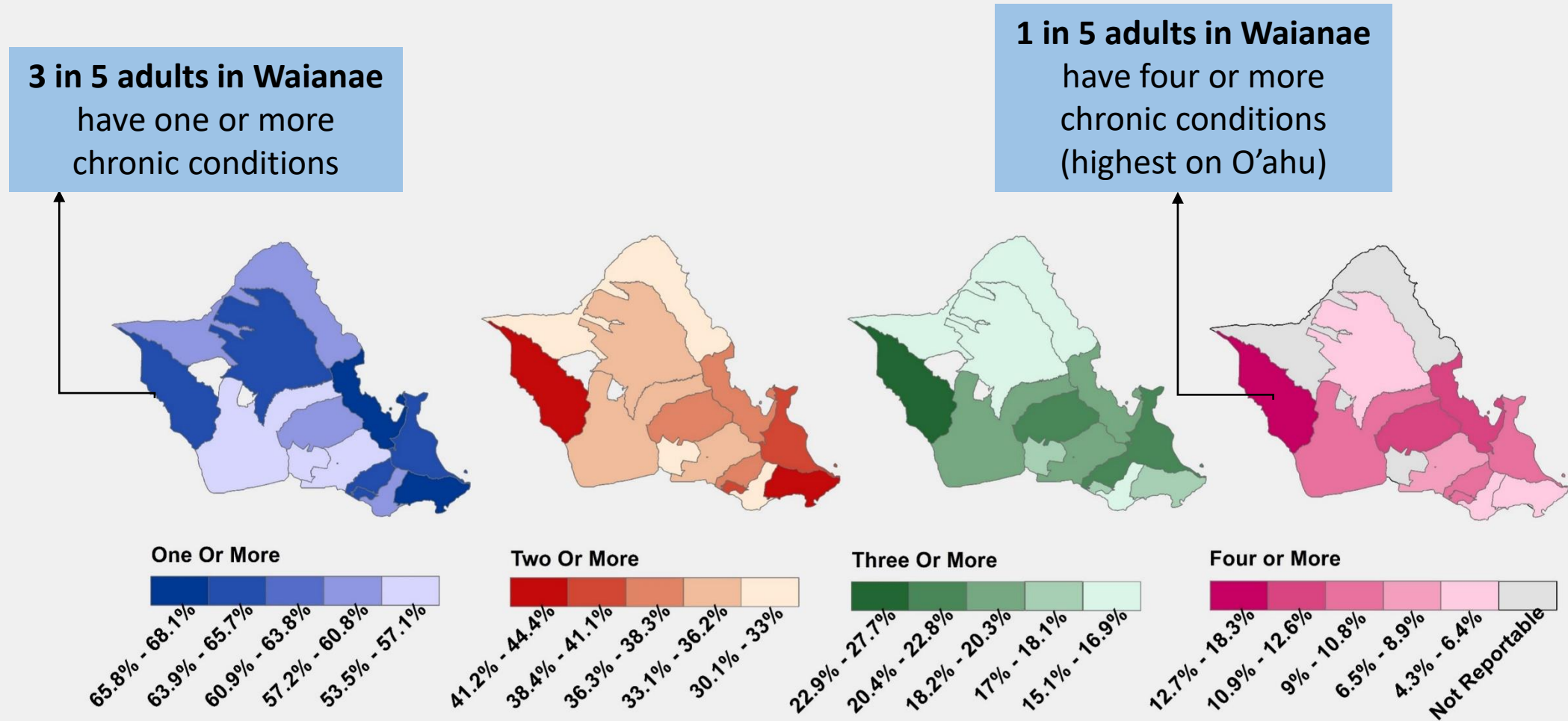


Waianae has the highest prevalence of adults who have been diagnosed with a depressive disorder, (including depression, major depression, dysthymia, or minor depression) in the State of Hawai'i.

Prevalence of Smoking, Heart Attacks and Stroke Among Adults

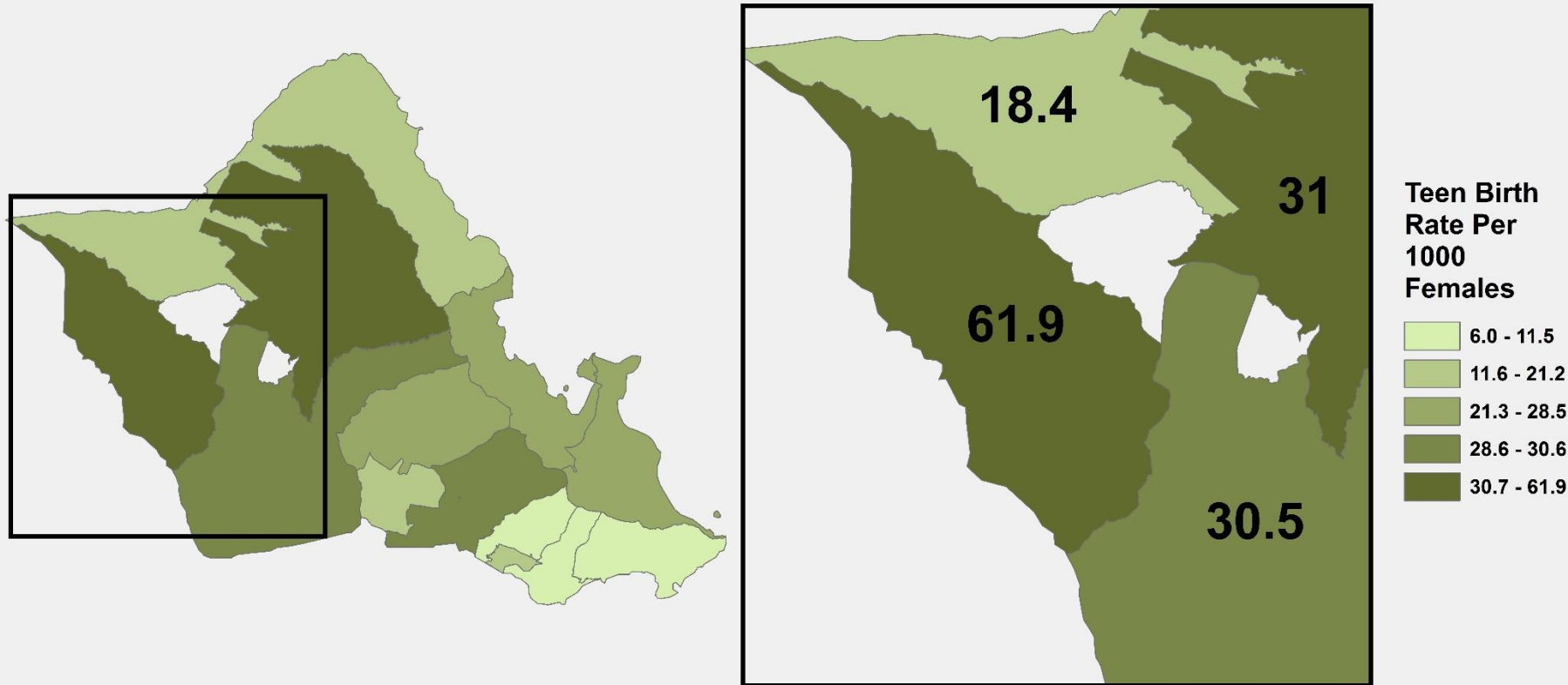


Prevalence of Chronic Conditions Among Adults



Live Births for the State of Hawai`i (Residents Only), for
Females Aged 15-19 Years, by Mother's Community of
Residence, 2009-2013

Teen Birth Rate



The teen pregnancy rate in **Waianae/Nanakuli** is **10 times higher** than the corresponding rate for **Waialae/Kahala/Hawai`i Kai** (6.0 births per 1000 teens).

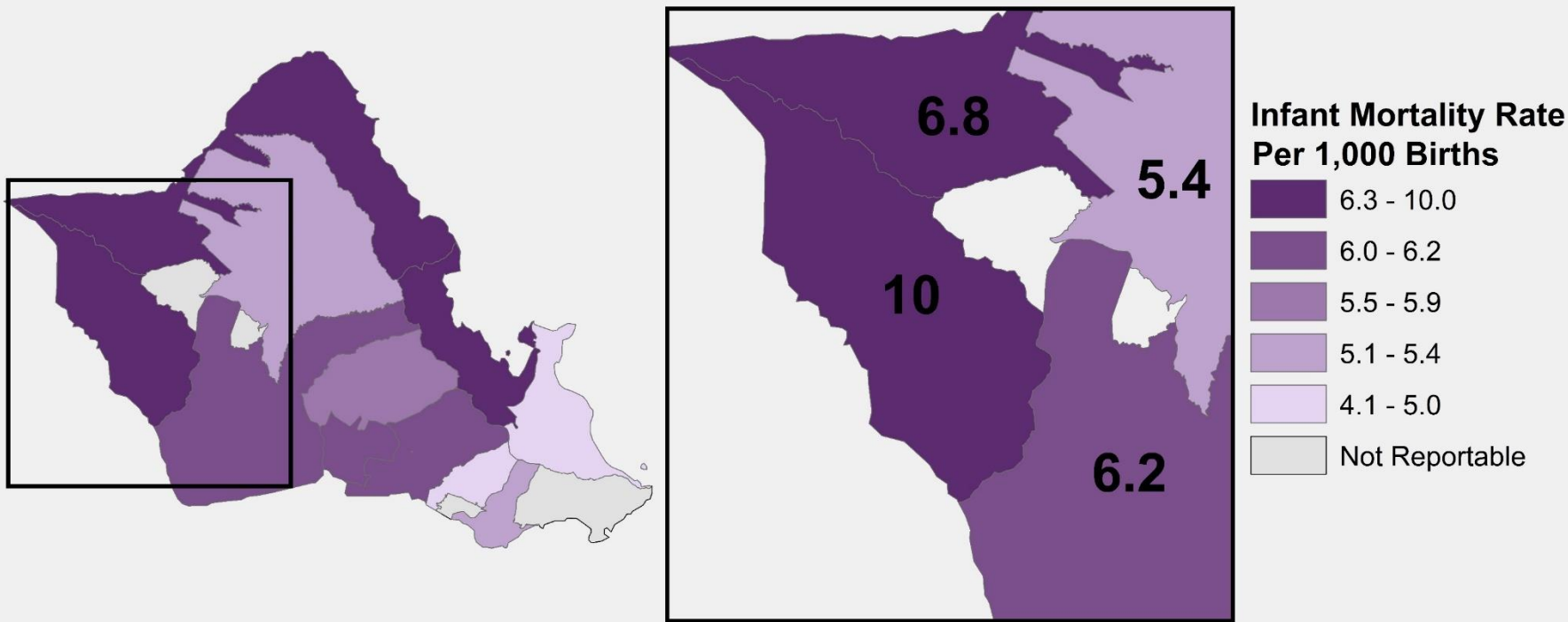
At 61.9 births per 1000 female teens aged 15-19 years, **Waianae** has the highest teen birth rate in the State of Hawai`i (the next closest rate is Molokai, with a substantially lower rate of 51.8 births per 1000 females aged 15-19 years).

Hawai`i Health Data Warehouse. Hawai`i State Department of Health. Office of Health Status Monitoring. 2009-2013.

Note: Rates are calculated based on denominator data gathered from Census 2010; the numerator represents the annualized rates based on a 5-year aggregate (2009-2013).

Infant Mortality Rate

Infant Mortality Rates for the State of Hawai'i (Residents only), by Community of Residence, 2009-2013. The infant mortality rate is the number of infant deaths (i.e. babies < 1 year old) per 1,000 live births.

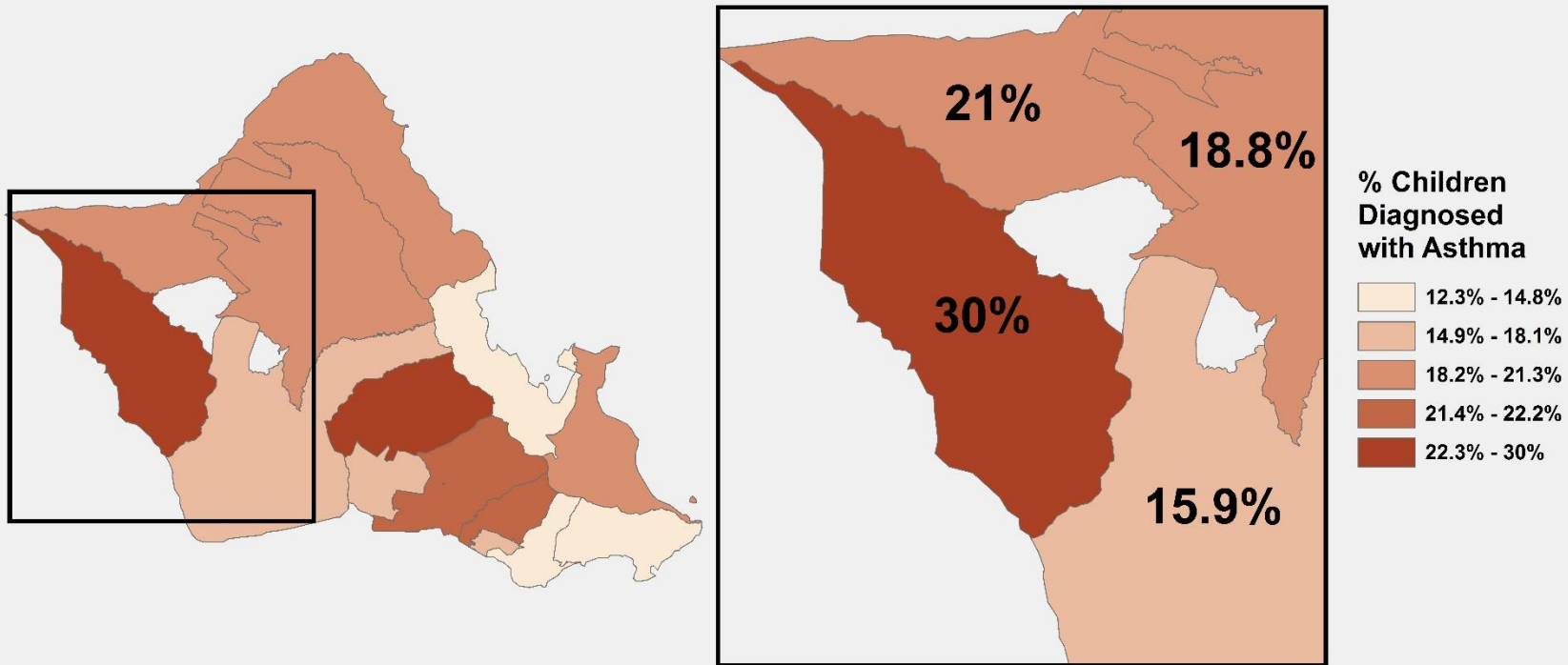


Waianae has the highest infant mortality rate of 10.0 infants per 1000 live births in the State of Hawai'i.

Hawai'i Health Data Warehouse. Hawai'i State Department of Health. Office of Health Status Monitoring. 2009-2013.

Note: Rates are calculated based on denominator data gathered from Census 2010; the numerator represents the annualized rates based on a 5-year aggregate (2009-2013).

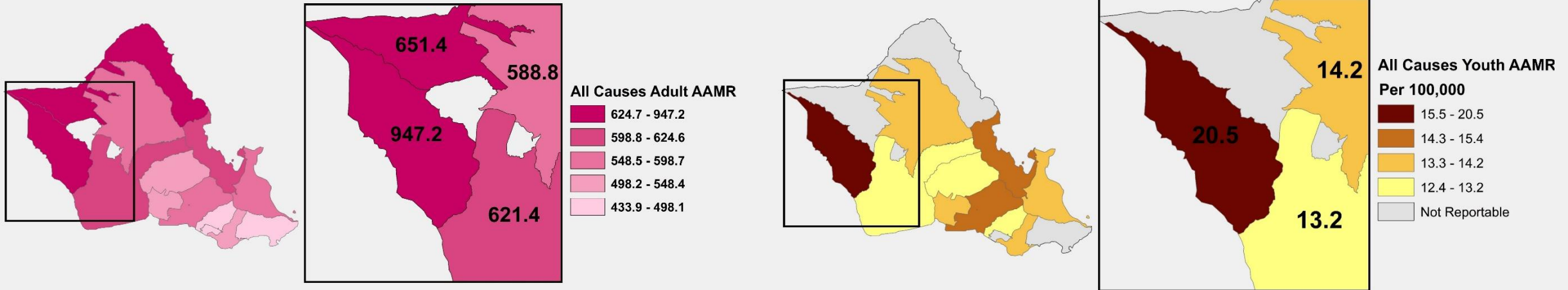
Prevalence of Asthma Among Children



Waianae has the highest childhood asthma prevalence in the State of Hawai'i.
Nearly **1 in 3 children** in Waianae have been diagnosed with asthma.

All Cause Adult & Youth Mortality Rate

Age-Adjusted Mortality Rates Per 100,000 population due to All Causes for the State of Hawai'i (Residents Only), for Youth (0-19 years), and Adults (20+ years), by Community, 2009-2013



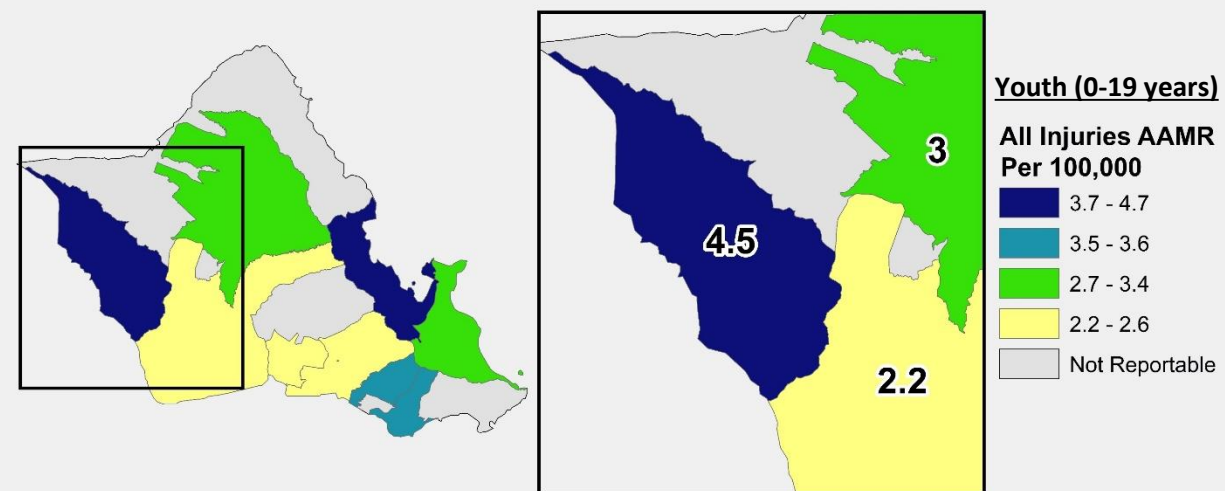
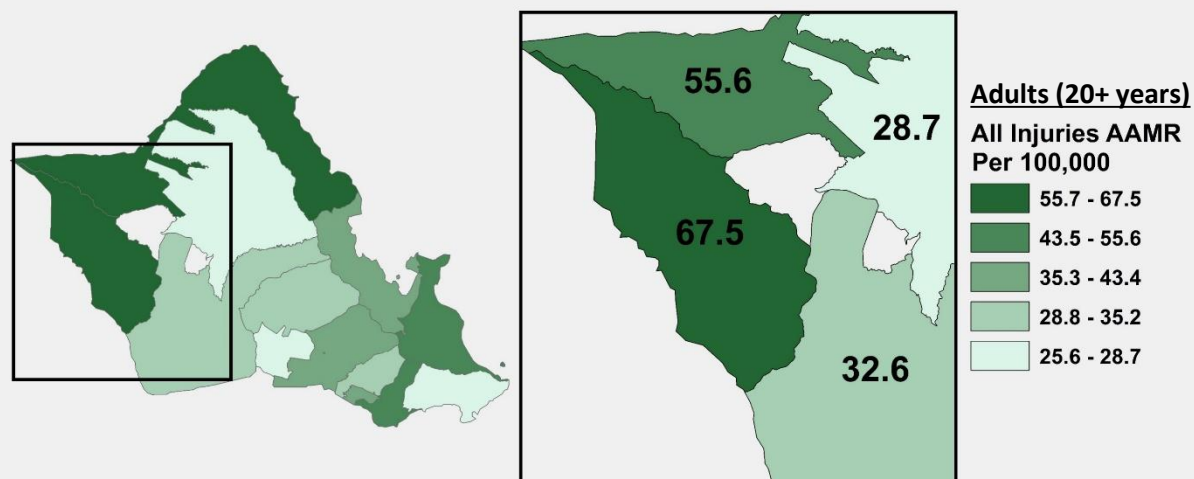
Waianae has the highest all cause age-adjusted adult mortality rate of **947.2 per 100,000** for adults in the State of Hawai'i. Youth mortality in Waianae is the highest on O'ahu and second highest in the State (**20.5 per 100,000 youth**).

Hawai'i Health Data Warehouse. Hawai'i State Department of Health. Office of Health Status Monitoring. 2009-2013.

Note: Rates are calculated based on denominator data gathered from Census 2010; the numerator represents the annualized rates based on a 5-year aggregate (2009-2013). Mortality rates are age-adjusted using the 2000 U.S. Standard Population.

Mortality Rates Due to Injuries, Adult & Youth

Age-Adjusted Mortality Rates Per 100,000 population due to All Injuries (Both Intentional and Unintentional) for the State of Hawai'i (Residents Only), for Youth (0-19 years), and Adults (20+ years), by Community, 2009-2013



Waianae's mortality rate due to injuries (both intentional & unintentional combined) is HIGHEST statewide for adults and youth (67.5 and 4.5 per 100,000 respectively).

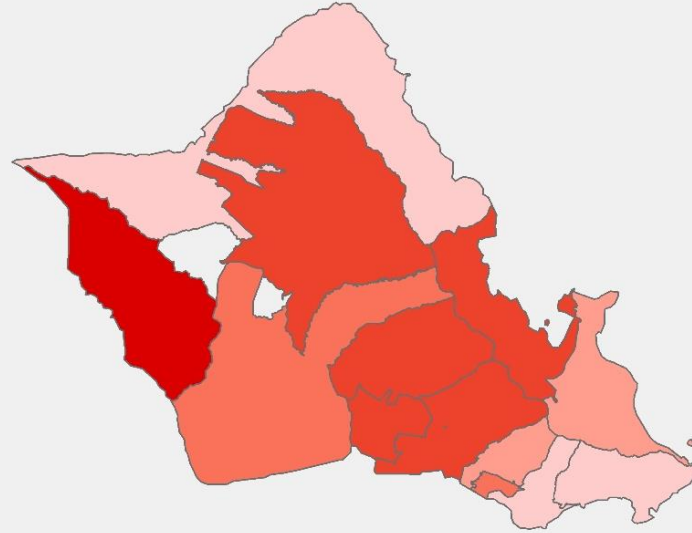
Hawai'i Health Data Warehouse. Hawai'i State Department of Health. Office of Health Status Monitoring. 2009-2013.

Note: Rates are calculated based on denominator data gathered from Census 2010; the numerator represents the annualized rates based on a 5-year aggregate (2009-2013). Mortality rates are age-adjusted using the 2000 U.S. Standard Population.

Mortality Due to Stroke, Adults Only

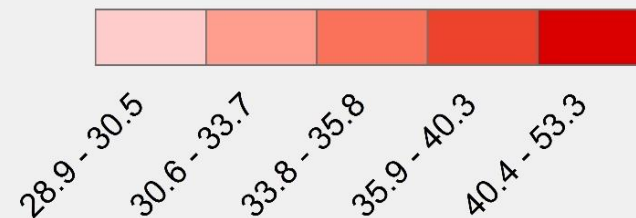
Age-Adjusted Mortality Rates for Stroke for the State of Hawai`i (Residents Only), for Adults aged 20+, by Community, 2009-2013

Waianae has the **highest prevalence** of stroke deaths in the State of Hawai`i.

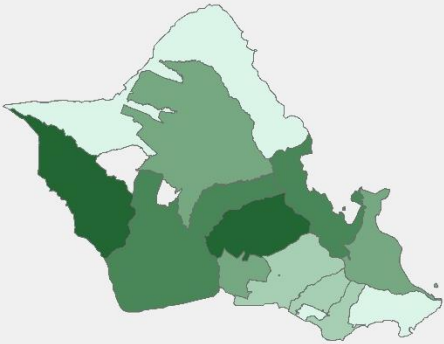


Waianae also has the **highest prevalence** of all cardiovascular mortality (322.5 deaths per 100,000 persons), a rate that is **2.5 times higher** than the community with the lowest rate in the State of Hawai`i (Waialae/Kahala/Hawai`i Kai at 126.9 deaths per 100,000 persons).

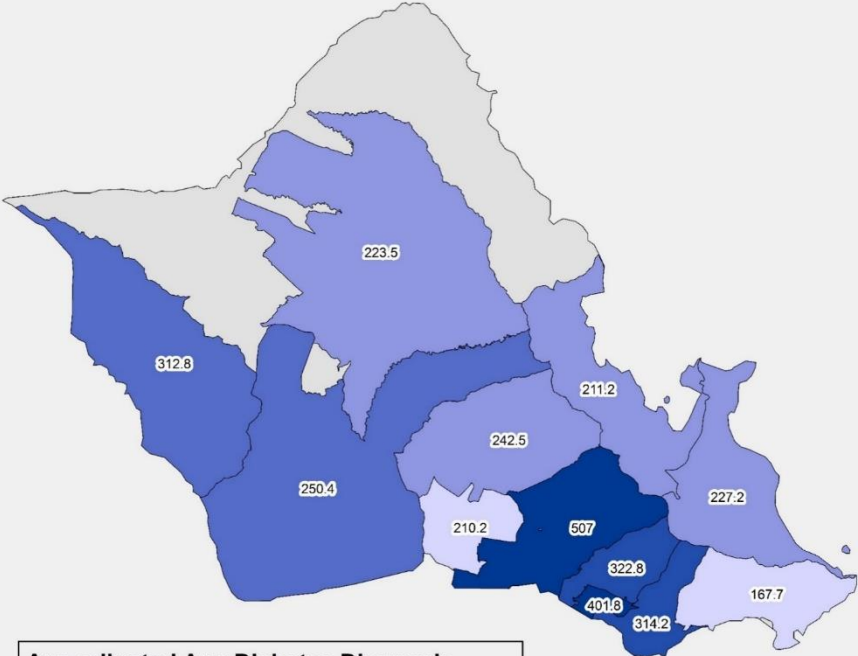
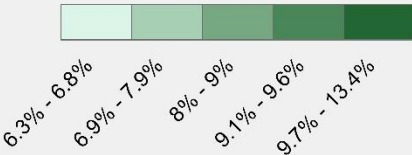
Stroke Death Rate



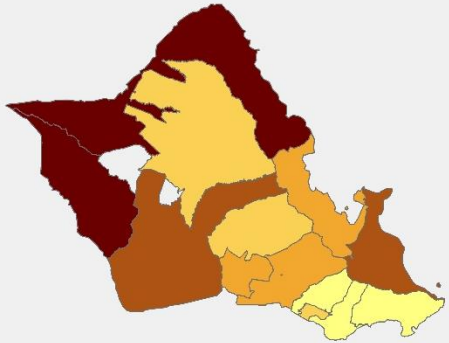
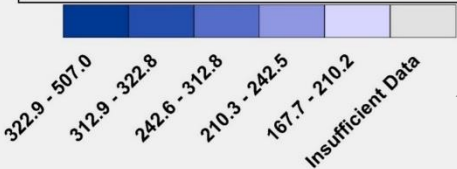
Prevalence, Hospitalization Rate, and Age-Adjusted Mortality due to Diabetes



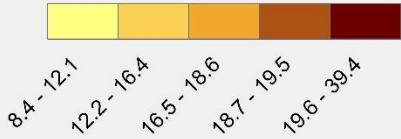
Adults (18+ years)
Diabetes Prevalence Rate



**Age-adjusted Any Diabetes Diagnosis
Hospitalization Discharge Rate per 1,000
Patients with Diabetes**



**Adults (20+ years)
age adjusted
Diabetes Death Rate**



Highest prevalence of diabetes in the State

Highest prevalence of deaths due to diabetes in the State

Only ranks 7th in prevalence of diabetes-related hospitalization rates in the State

Hawai'i Health Information Corporation. 2011-2013.

Hawai'i Health Data Warehouse. Hawai'i State Department of Health. Office of Health Status Monitoring. 2009-2013.

Hawai'i Health Data Warehouse. Hawai'i State Department of Health. Behavioral Risk Factor Surveillance System (BRFSS). 2011-2015.

Note: Mortality rates are calculated based on denominator data gathered from Census 2010; the numerator represents the annualized rates based on a 5-year aggregate (2009-2013). Mortality rates are age-adjusted using the 2000 U.S. Standard Population. Hospitalization rates are calculated based on denominator data of number of persons with diabetes by community, gathered from Hawai'i BRFSS data, and reported per 1000 persons with self-reported diabetes.

Examples of Initiatives to Improve Health in Waianae

- CDC-DP-1422 funds to support prevent, enhance identification and improve management of Diabetes and Hypertension at WCCHC (CDC-DP-1422 funds support the Diabetes Prevention Program at WCCHC)
- CDC-DP-1422 funds to support improved access to healthy foods/beverages in Waianae via Choose Healthy Now.
- CDC Asthma funds to partner with the School-Based Health Clinic to better manage asthma among children in Waianae
- CDC Breast and Cervical Cancer Control Program (BCCCP) funds at WCCHC provide access to quality breast and cervical cancer screenings and diagnostic care to underinsured and uninsured women in Waianae.
- DOH funds support a health education & PE Resource Teacher in DOE to provide training, technical assistance, and a lending library of instructional resources for K-12 public schools in Waianae.
 - Makaha Elementary was recently awarded an "Excellence in Wellness" banner for achieving more than 90% of the DOE Wellness Guidelines. These guidelines reinforce the importance of a healthy school environment.
- DOH has partnered on efforts to promote the Waianae Health Academy, offered to students in Waianae in partnership with WCCHC, to promote skills and knowledge related to careers in the medical field; and a tuition-free bachelor's degree in nursing.
- Project HI AWARE (funded to DOE) seeks to improve school climate and embed behavioral health supports for students within schools in Waianae/Nanakuli; DOH partners on data collection efforts.
- DOH developed the Ka Pa'alana Toolkit to promote health literacy among youth and adults.
- DOH partners with DOE, WCCHC, and other community organizations on Alignment 96792, a collective impact framework for Waianae Coast schools to achieve common goals around student success.
- The Tobacco Trust Fund supports a tobacco cessation program offered by the Waianae District Comprehensive Health and Hospital Board; DOH assists with training and resource materials. Waianae is an area of focus for DOH based on the strategic plan's focus on Native Hawaiians.



‘A‘ohe hana nui ke alu ‘ia

No task is too big when done together by all