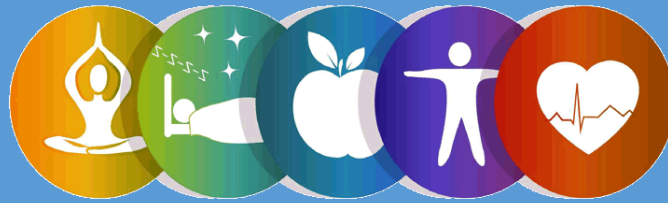


# Office of Community Outreach & Engagement



## STRATEGIC PLAN 2019 - 2022



**UCDAVIS**  
**HEALTH**

**COMPREHENSIVE**  
**CANCER CENTER**

# GUIDING STATEMENTS

## VISION

A future free of disparities in cancer outcomes for all.

## MISSION

The mission of the Office of Community Outreach and Engagement is to work in partnership with diverse stakeholders to ascertain and address the cancer burden among Inland Northern and Central California's diverse populations through community-engaged research, shared decision making and mutual learning.

## VALUES

We believe in...

- Providing the highest quality of services using evidence-based and best practice models.
- Fostering research-community partnerships and to improve health outcomes.
- Addressing the health inequities that exist in our communities.
- Engaging in honest communications, transparency, and ethical behavior in our relationships, processes, and actions.
- Embracing diversity by accepting and respecting differences.



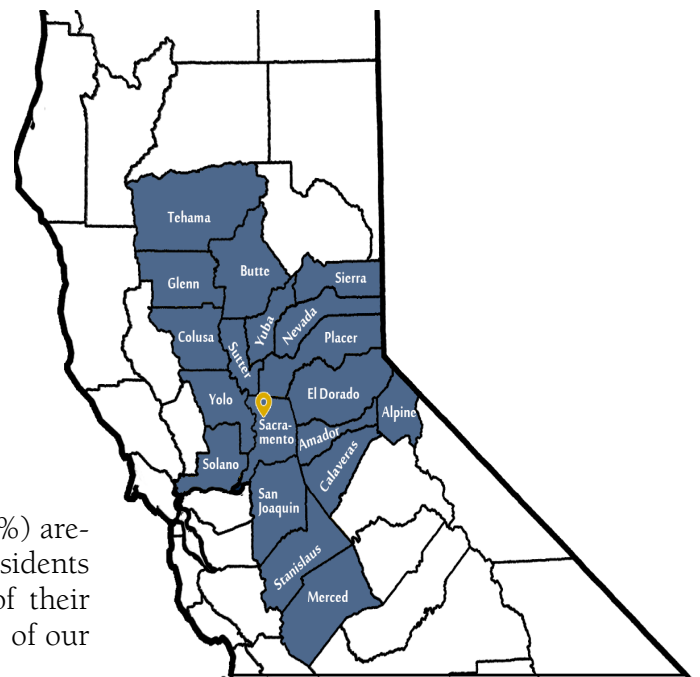
# EXECUTIVE SUMMARY

The Office of Community Outreach and Engagement (OCOE), works in collaboration with researchers, community partners, and government agencies to: 1) describe and document the cancer burden of our 19-county catchment area; 2) develop and deploy research studies and community programs to understand and address this burden; and lastly 3) disseminate evidence-based cancer prevention and control practices. The Office is overseen by Moon S. Chen, Jr., Ph.D., M.P.H., Associate Director for Population Sciences and Community Outreach/Engagement and Julie Dang, PhD, MPH, Executive Director, and is staffed by bilingual bicultural community outreach and engagement specialists.

OCOE has programming in the following areas:

- Increasing minority participation in cancer research through biospecimen donation and recruitment into clinical trials.
- Increasing uptake of the two vaccine preventable cancers, human papillomavirus (HPV) and hepatitis B (HBV).
- Increasing cancer screening rates.
- Implementing interventions to address modifiable risk factors for cancer.

**Our Catchment:** The University of California, Davis Comprehensive Cancer Center (UCDCCC)'s catchment area, where 5 million people live, is home to 90% of our patients. This 19 county (23,800 square miles area (approximately the size of West Virginia) in inland northern California is centered at the UCDCCC in Sacramento with its Cancer Care Network affiliates no more than 120 miles (2 hours' drive) from any part of this catchment area. Our catchment area is home to a majority-minority population with 54.8% of the population being of a minority group minority [29.0% Hispanic; 13.6% Asian; 8.0% Black or African American; 2.9% American Indian/Alaska Native; 9.9% Other/Multiple].



Our residents reside in both urban (88.7%) and rural (11.4%) areas. Nine counties in our catchment have over 25% of its residents residing in rural areas and 5 counties have a majority of their residents residing in rural areas. In terms of land area, 42% of our catchment is considered rural.

**Our Cancer Burden:** Our five top cancer sites in terms of incidence (in rank order) are: lung & bronchus; prostate (males); breast (females); colon & rectum; and lastly pancreas. In terms of mortality, lung & bronchus rank number one followed by colon & rectum; breast (female); pancreas; and prostate (males).

Non-Hispanic Whites and non-Hispanic Blacks have the same top five cancer sites for both incidence and mortality as the general catchment area. Hispanic and Asian/Pacific Islanders both have lung & bronchus as number one followed by colon and rectum; liver and intrahepatic bile duct; pancreas and lastly breast (female).

# CATCHMENT COUNTIES



**Population\***  
4,923,597

88.7% reside in urban areas and 11.4% reside in rural areas.\*\*

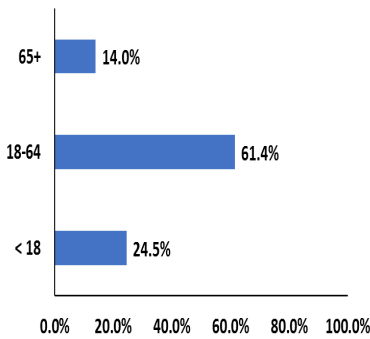


**Education\***

84.6% of residents are high school graduates or higher; 25.9% of residents hold a bachelor's degree or higher.



**Ages\***



**Federal Poverty Line (FPL)\***

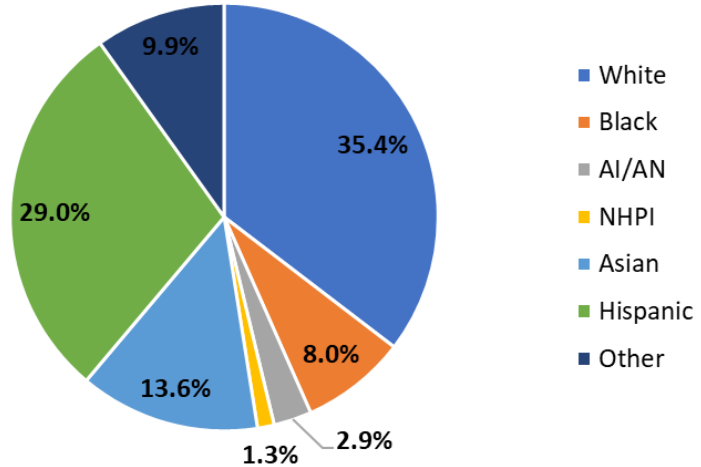
16.0% of residents live below the poverty line.



**Health Insurance Coverage\***

8.5% of residents do not have health insurance.

**Race/Ethnicity\***



**Health Topic\*\*\***

(adult respondents ages 18+, )

45.9% of respondents reported not having consistent ability to afford food.



30.0% of respondents had a body mass index of 30.0 or above.

67.0% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



11.7% of respondents are current smokers.

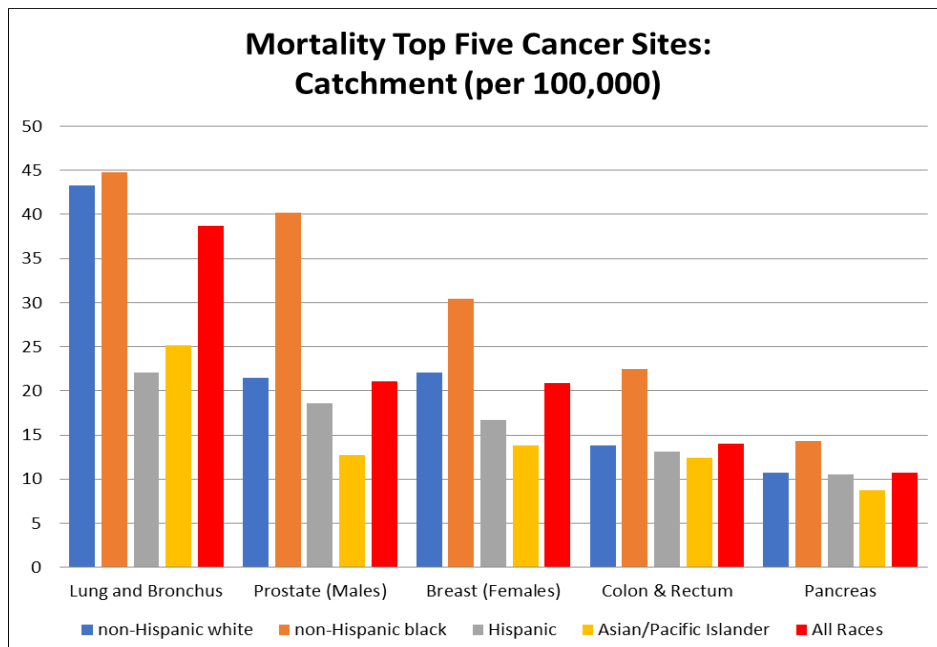
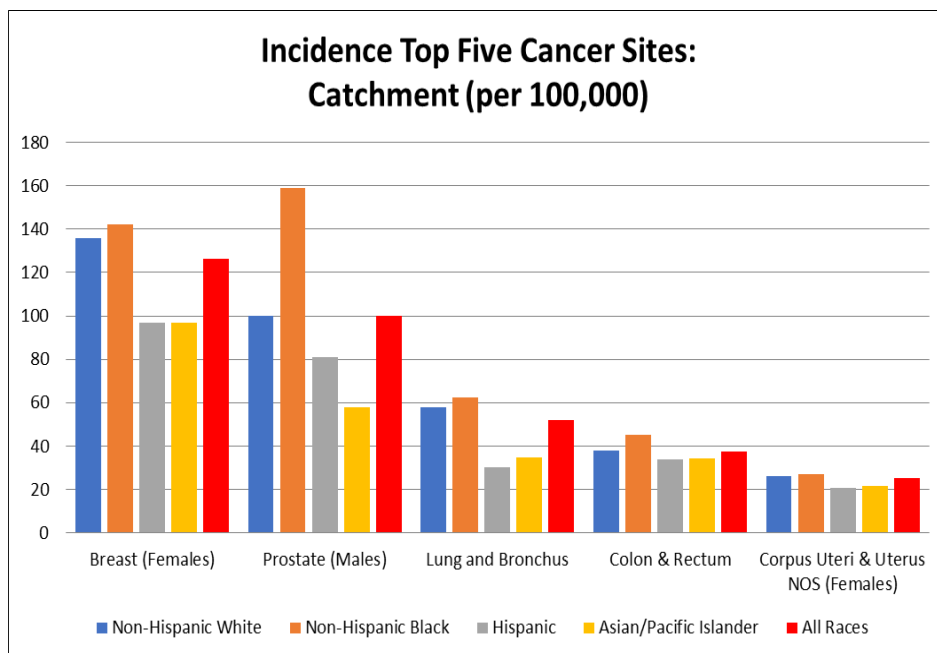
34.7% of respondents reported binge drinking in the past year.



# CATCHMENT WIDE

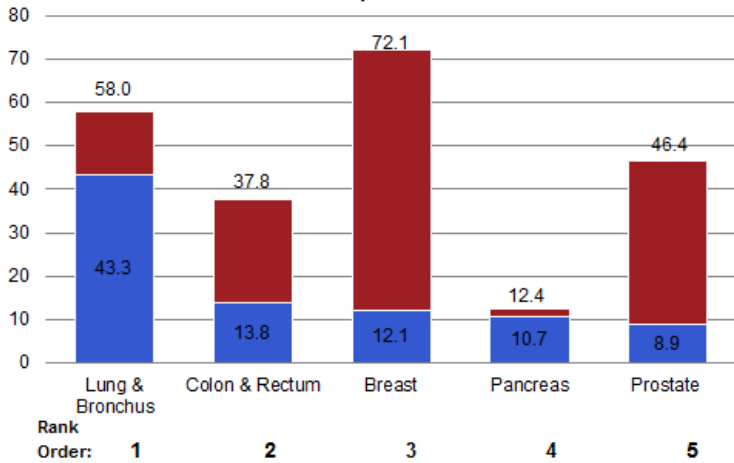
## CLINICAL CARE

Clinical Care Measure	Catchment Counties (%)
Percentage of Adults with Routine Check up in past 12 months*	73.4%
Has a usual source of care*	87.3%
Ever had a colorectal endoscopy (50+)**	data available by county
Had a Pap Test in past 3 years (females 18+)**	data available by county
Had a mammogram in past 2 years (females 40+)**	data available by county

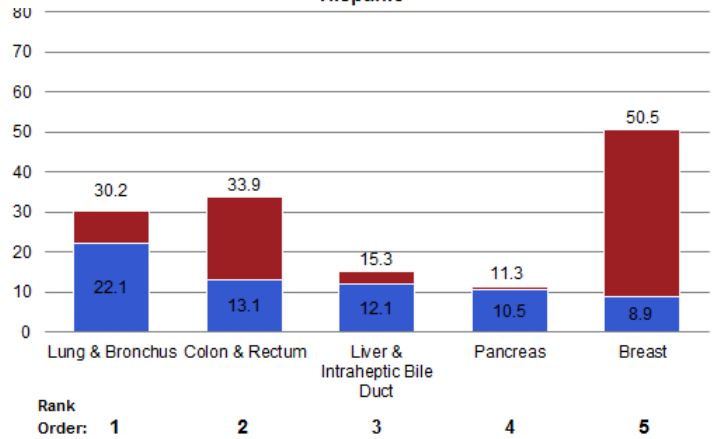


# CATCHMENT WIDE

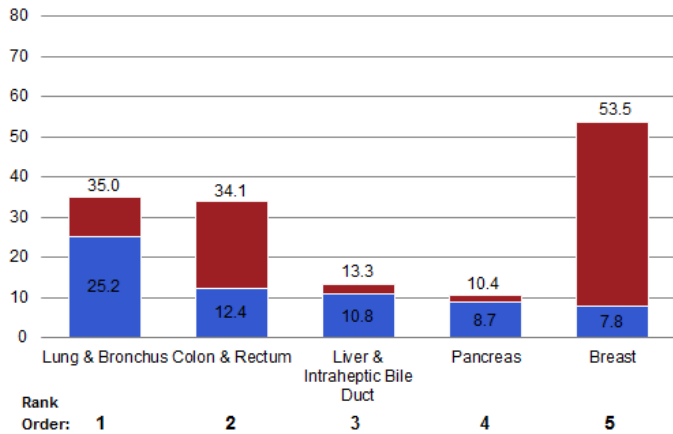
**Total Incidence and Mortality Rates  
Non-Hispanic White**



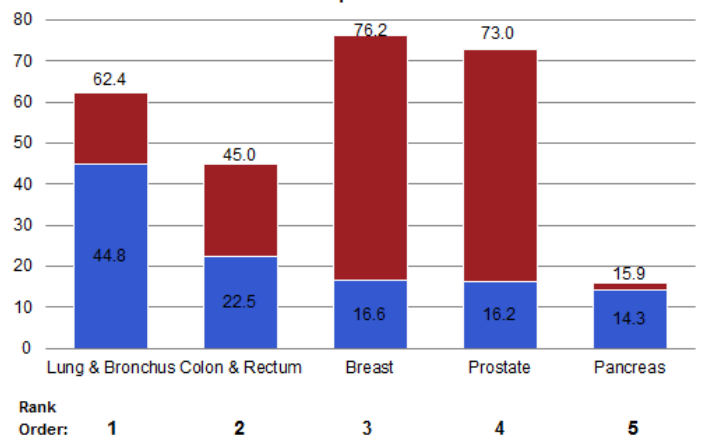
**Total Incidence and Mortality Rates  
Hispanic**



**Total Incidence and Mortality Rates  
Asian/Pacific Islander**



**Total Incidence and Mortality Rates  
Non-Hispanic Black**



# SWOT ANALYSIS



**STRENGTHS**

**WEAKNESSES**

**OPPORTUNITIES**

**THREATS**

- Dedicated Office
- Faculty Expert Panel
- Community Advisory Board
- Bicultural/Bilingual Staff
- Track record of working with diverse and underserved populations
- Access to state of the science cancer resources
- Part of the National Cancer Institute's National Outreach Network

- Limited resources
- Under-staffed
- Grant based support (activities are limited to funded objectives)
- Limited available culturally tailored resources for all racial/ethnic groups
- Language barriers

- Describe and address the cancer burden in our catchment area
- Address a large and diverse geographic area
- Use of social media and tele-health
- Be a centralized source of cancer information for the community
- Strengthen relationships between UCD CCC and the community

- Sustainability
- Large geographical distance without cellular/internet access.
- Differing alignment of priorities with stakeholders
- Lack of stability in partnering organizations

# GOALS

DESCRIBE  
&  
DOCUMENT



**GOAL 1: Describe and document the cancer burden in our 19-county catchment area.**

**Goal 2: Develop and deploy cancer prevention and control initiatives to address the cancer burden in our catchment area.**



DEVELOP  
&  
DEPLOY

DISSEMINATE



**Goal 3: Disseminate evidence based effective cancer prevention and control practices**





## GOAL 1: Describe and document the cancer burden in our 19-county catchment area.



### 1.1. DATA COLLECTION

Use primary and secondary data collection methods to describe and understand the cancer burden, risk factors, incidence, morbidity, mortality and inequities in our catchment area.

#### How we are doing this:

Ex. 1: Creating community health profiles for each county utilizing data sources from: Community Commons, U.S. Census, CA Cancer Registry, etc.

Ex. 2: Conducting environmental scans on a variety of cancer control and prevention topics.

Ex. 3: Conducting community listen and learn tours in every county of our catchment area.



### 1.2. COMMUNITY HUBS

Establish community hubs for data and information exchange.

#### How we are doing this:

Ex. 1: Creating memoranda's of collaboration with community based entities.

Ex 2: Providing the UCD student run clinics serving diverse underserved communities with cancer education and prevention resources to enhance and amplify their impact.



### 1.3. DATABASE

Maintain an inventory of culturally appropriate, ethnically specific evidence based cancer control and prevention resources.

#### How we are doing this:

Ex.1: Creating an OCEO webpage to inventory resources.

Ex. 2: Developing culturally appropriate cancer educational materials based on community needs.

**Goal 2: Develop and deploy cancer prevention and control initiatives to address the cancer burden in our catchment area.**



DEVELOP  
&  
DEPLOY



### 2.1. COLLABORATE

Collaborate with stakeholders (e.g. health systems, community clinics, non-profits, public health departments, etc.) to implement cancer prevention and early detection programs.

How we are doing this:

Ex. 1 : Establishing memorandums of collaboration with community clinics to engage their patients, staff and providers across the cancer care continuum.

Ex. 2 : Represent UCD CCC on local, state and national entities.



### 2.2. CONVENE

Establish and convene a Community Advisory Board (CAB) to provide guidance and approval of activities.

How we are doing this:

Ex. 1: Convene quarterly meetings of our CAB to understand community needs, engage stakeholders, refine strategic plans and evaluate efforts.



### 2.3. CONDUCT

Conduct community-engaged research in communities disproportionately affected by cancer.

How we are doing this:

Ex. 1: Work with community clinics to host cancer educational workshops for providers, staff and patients.

Ex. 2: Work with community clinics on cancer related quality improvement metrics.



## Goal 3: Disseminate evidence based effective cancer prevention and control practices



### 2.1. SOCIAL/ONLINE MEDIA

Build a strong social/online media presence.

#### How we are doing this:

Ex. 1: Create an OCOE webpage on the UCD CCC website.

Ex. 2 : Create Twitter, Facebook and Instagram user accounts (@UCDCancerCOE).

Ex. 3: Create a UCDCancerCOE Youtube channel.

Ex. 4: Post social media messages and upload content onto Youtube on a weekly/monthly basis.



### 2.2. DISTRIBUTE

Distribute culturally appropriate, ethnic special cancer educational resources.

#### How we are doing this:

Ex. 1: Upload all educational material onto our webpage and all videos onto our Youtube channel.

Ex. 2: Participate in health fairs and community events.

Ex. 3: Create a cancer speakers' bureau where communities can request cancer experts to speak at their events.



### 2.3. REPORTING

Report research and program findings to community, stakeholders, and professional audiences.

#### How we are doing this:

Ex. 1: Host community forums to disseminate information on activities of the OCOE.

Ex. 2: Present promising research findings at professional conferences.

Ex.3: Prepare and submit manuscripts to peer-review journals.

# PRIORITY AREAS



## Increasing initiatives that address modifiable cancer risk factors

It is estimated that about 50% of cancer is preventable through widespread lifestyle changes including: reducing tobacco use, increasing physical activity, controlling weight, improving diet, and limiting alcohol use.



## Improving uptake of the human papillomavirus (HPV) vaccine

HPV vaccination rates are low compared to other vaccines due for adolescents. UCDCCC has received several NCI funded supplements as well as internal funding to understand and address this disparity.



## Increasing colorectal & breast cancer screening rates

Rural and ethnic/racial communities have disproportionately lower rates of CRC and breast screenings. We will expand and customize our CRC and breast cancer educational programs to reach more communities.



## Increasing minority participation in clinical trials

Several patient populations are underrepresented in clinical trials. Underrepresentation of racial and ethnic minorities limits the generalizability of research findings.

Our solution is to train and place bilingual/bicultural staff to assist in the recruitment of minorities into clinical trials.



# ALPINE COUNTY



**Population\***  
1,203

100% of residents reside rural areas.\*\*

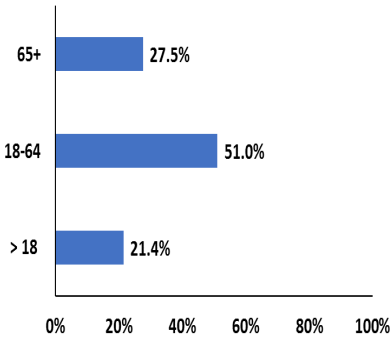


**Education\***

89.8% of residents are high school graduates or higher; 25.6% of residents hold a bachelor's degree or higher.



**Ages\***



**Federal Poverty Line (FPL)\***

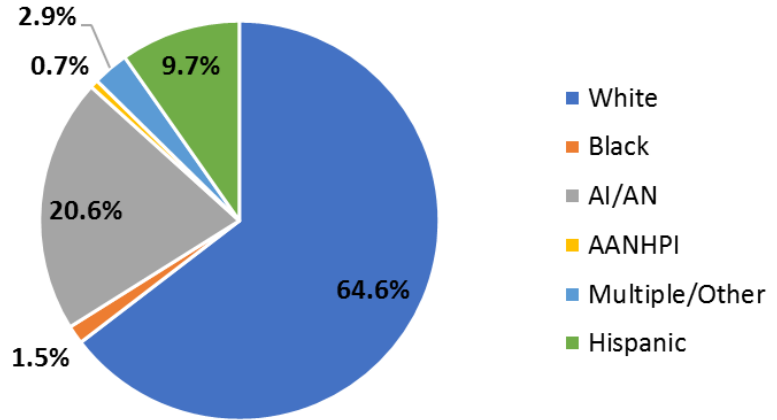
19.8% of residents live below the poverty line.



**Health Insurance Coverage\***

19.7% of residents do not have health insurance.

**Race/Ethnicity\***



**Health Topic\*\*\***

(adult respondents ages 18+, )

62.6% of respondents reported not having consistent ability to afford food.



37.6% of respondents had a body mass index of 30.0 or above.

37.2% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



15.4% of respondents are current smokers.

38.1% of respondents reported binge drinking in the past year.



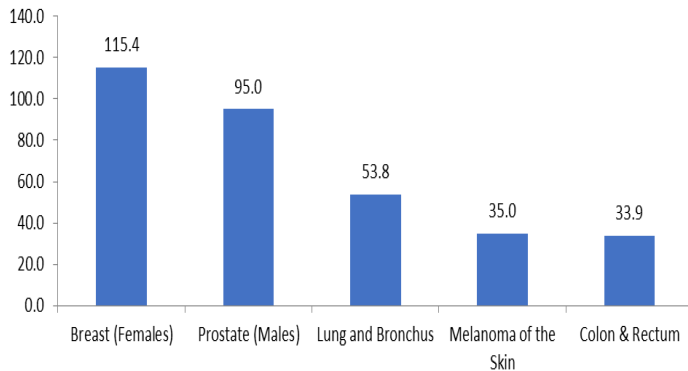
# ALPINE COUNTY



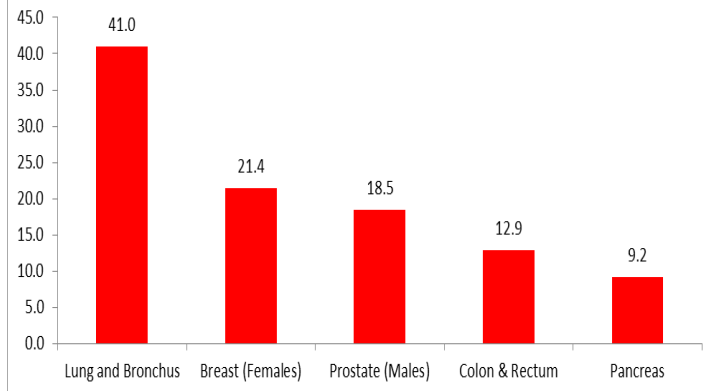
## CLINICAL CARE

Clinical Care Measure	Alpine County (%)
Percentage of Adults with Routine Check up in past 12 months*	74.0%
Has a usual source of care*	87.0%
Ever had a colorectal endoscopy (50+)**	52.7%
Had a Pap Test in past 3 years (females 18+)**	70.1%
Had a mammogram in past 2 years (females 40+)**	63.6%

**Incidence Top Five Cancer Sites: Alpine, Amador, Calaveras Counties (per 100,000)**



**Mortality Top Five Cancer Sites: Alpine, Amador, Calaveras Counties (per 100,000)**



Sources: \*2017 California Health Interview Survey ((Tuolumne, Calaveras, Amador, Inyo, Mariposa, Mono & Alpine); \*\*State Cancer Profiles ([www.statecancerprofiles.cancer.gov](http://www.statecancerprofiles.cancer.gov)); \*\*\*Age-Adjusted Cancer Mortality Rates by Region and Race/Ethnicity in California, 2011-2015



# AMADOR COUNTY



## Population\*

**37,306**

39.6% of residents reside in urban areas and 60.4% reside in rural areas.\*\*

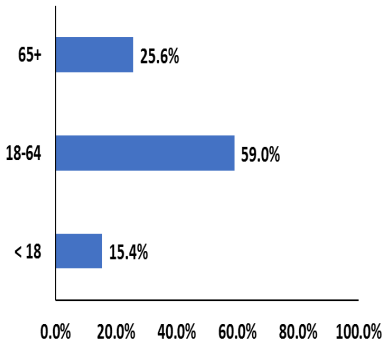


## Education\*

89.7% of residents are high school graduates or higher; 22.1% of residents hold a bachelor's degree or higher.



## Ages\*



## Federal Poverty Line (FPL)\*

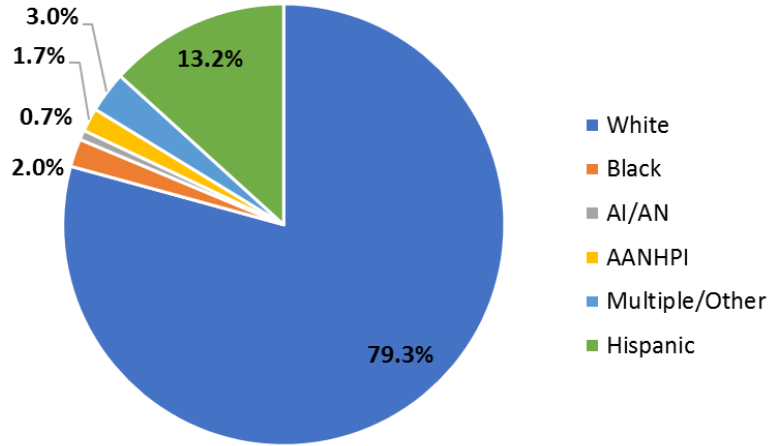
10.6% of residents live below the poverty line.



## Health Insurance Coverage\*

5.6% of residents do not have health insurance.

## Race/Ethnicity\*



## Health Topic\*\*\*

(adult respondents ages 18+)

62.6% of respondents reported not having consistent ability to afford food.



37.6% of respondents had a body mass index of 30.0 or above.

37.2% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



15.4% of respondents are current smokers.

38.1% of respondents reported binge drinking in the past year.



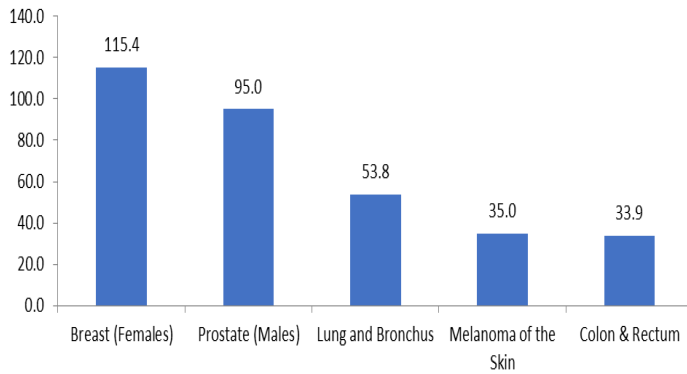
# AMADOR COUNTY



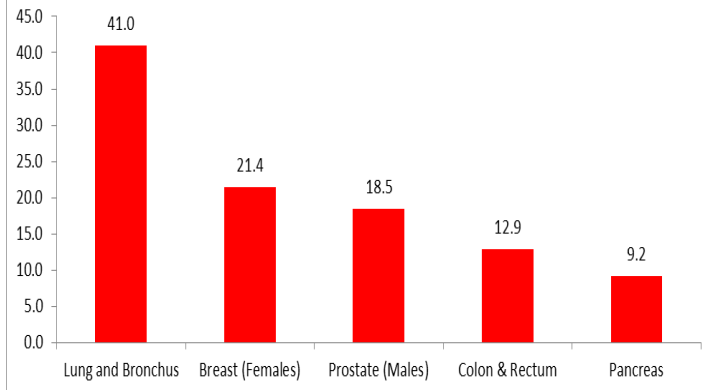
## CLINICAL CARE

Clinical Care Measure	Amador County (%)
Percentage of Adults with Routine Check up in past 12 months*	74.0%
Has a usual source of care*	87.0%
Ever had a colorectal endoscopy (50+)**	58.3%
Had a Pap Test in past 3 years (females 18+)**	67.1%
Had a mammogram in past 2 years (females 40+)**	60.2%

Incidence Top Five Cancer Sites: Alpine, Amador, Calaveras Counties (per 100,000)



Mortality Top Five Cancer Sites: Alpine, Amador, Calaveras Counties (per 100,000)



Sources: \*2017 California Health Interview Survey (Tuolumne, Calaveras, Amador, Inyo, Mariposa, Mono & Alpine); \*\*State Cancer Profiles ([www.statecancerprofiles.cancer.gov](http://www.statecancerprofiles.cancer.gov)); \*\*\*Age-Adjusted Cancer Mortality Rates by Region and Race/Ethnicity in California, 2011-2015



# BUTTE COUNTY



**Population\***  
**225,207**

81.1% of residents reside in urban areas and 18.9% reside in rural areas.\*\*

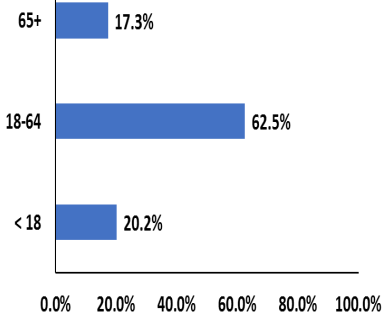


**Education\***

88.8% of residents are high school graduates or higher; 26.6% of residents hold a bachelor's degree or higher.



**Ages\***



**Federal Poverty Line (FPL)\***

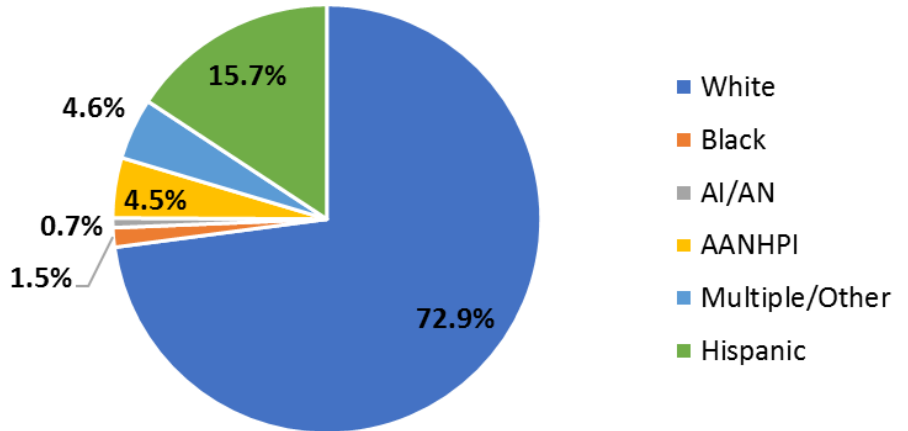
20.5% of residents live below the poverty line.



**Health Insurance Coverage\***

8.4% of residents do not have health insurance.

**Race/Ethnicity\***



**Health Topic\*\*\***

(adult respondents ages 18+)

40.4% of respondents reported not having consistent ability to afford food.



32.5% of respondents had a body mass index of 30.0 or above.

25.0% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



17.3% of respondents are current smokers.

42.5% of respondents reported binge drinking in the past year.



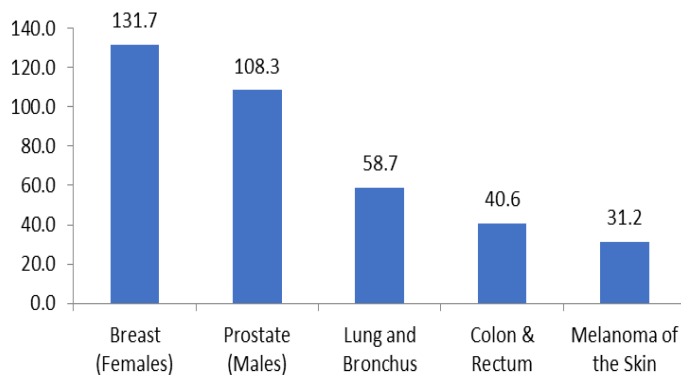
# BUTTE COUNTY



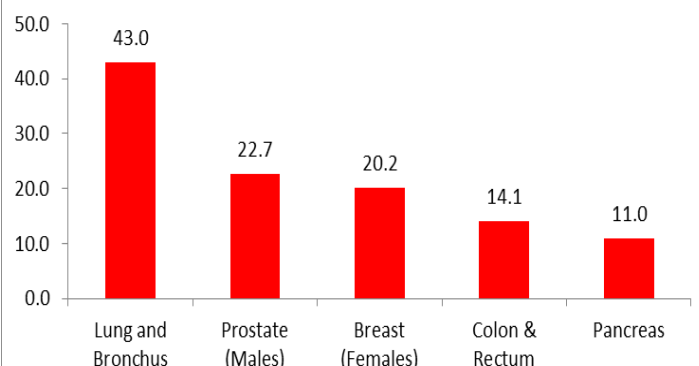
## CLINICAL CARE

Clinical Care Measure	Butte County (%)
Percentage of Adults with Routine Check up in past months*	56.6%
Has a usual source of care*	88.1%
Ever had a colorectal endoscopy (50+)**	52.2%
Had a Pap Test in past 3 years (females 18+)**	69.5%
Had a mammogram in past 2 years (females 40+)**	62.0%

**Incidence Top Five Cancer Sites:  
Butte County (per 100,000)**



**Mortality Top Five Cancer Sites:  
Butte County (per 100,000)**



# CALAVERAS COUNTY



**Population\***  
**45,057**

24.6% of residents reside in urban areas and 75.4% reside in rural areas.\*\*

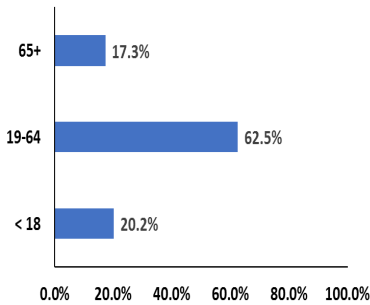


**Education\***

90.0% of residents are high school graduates or higher; 19.3% of residents hold a bachelor's degree or higher.



**Ages\***



**Federal Poverty Line (FPL)\***

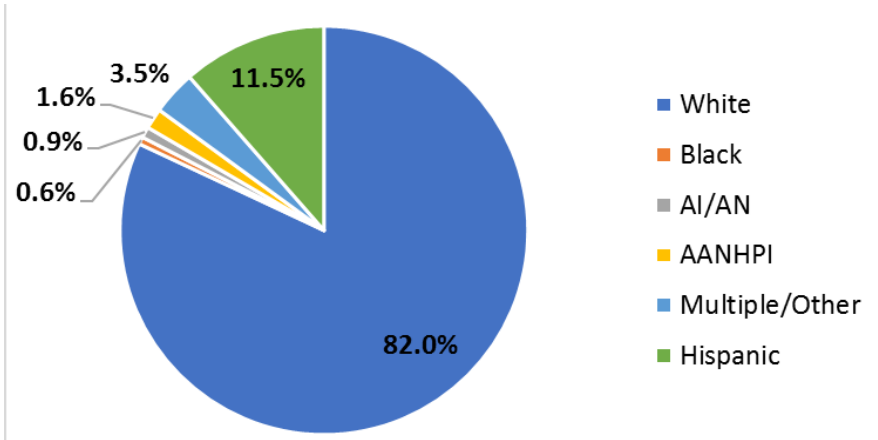
12.8% of residents live below the poverty line.



**Health Insurance Coverage\***

9.6% of residents do not have health insurance.

**Race/Ethnicity\***



**Health Topic\*\*\***

(adult respondents ages 18+)

62.6% of respondents reported not having consistent ability to afford food.



37.6% of respondents had a body mass index of 30.0 or above.

37.2% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



15.4% of respondents are current smokers.

38.1% of respondents reported binge drinking in the past year.



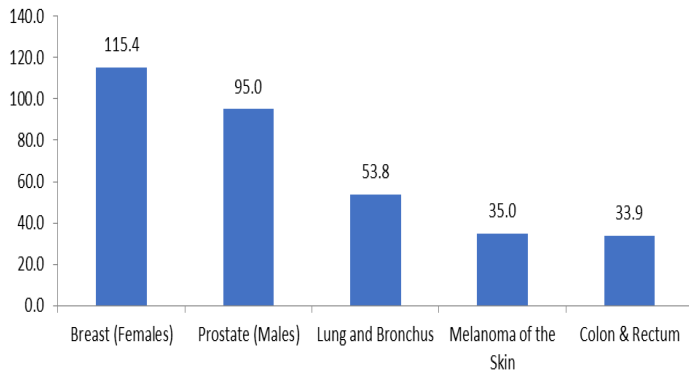
# CALAVERAS COUNTY



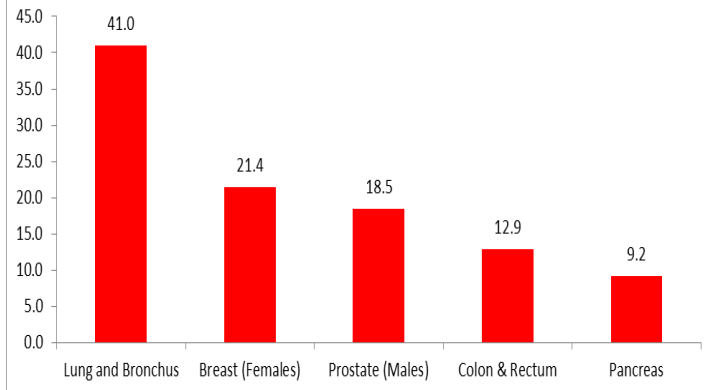
## CLINICAL CARE

Clinical Care Measure	Calaveras County (%)
Percentage of Adults with Routine Check up in past 12 months*	74.0%
Has a usual source of care*	87.0%
Ever had a colorectal endoscopy (50+)**	51.8%
Had a Pap Test in past 3 years (females 18+)**	66.7%
Had a mammogram in past 2 years (females 40+)**	63.8%

**Incidence Top Five Cancer Sites: Alpine, Amador, Calaveras Counties (per 100,000)**



**Mortality Top Five Cancer Sites: Alpine, Amador, Calaveras Counties (per 100,000)**



Sources: \*2017 California Health Interview Survey (Tuolumne, Calaveras, Amador, Inyo, Mariposa, Mono & Alpine); \*\*State Cancer Profiles ([www.statecancerprofiles.cancer.gov](http://www.statecancerprofiles.cancer.gov)); \*\*\*Age-Adjusted Cancer Mortality Rates by Region and Race/Ethnicity in California, 2011-2015

# COLUSA COUNTY



**Population\***  
21,419

68.3% of residents reside in urban areas and 31.7% reside in rural areas.\*\*

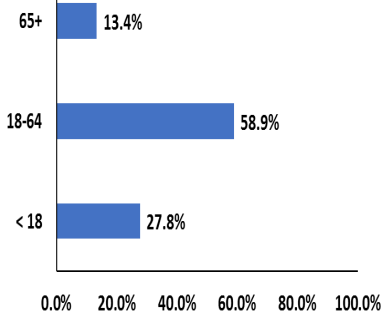


**Education\***

69.4% of residents are high school graduates or higher; 15.7% of residents hold a bachelor's degree or higher.



**Ages\***



**Federal Poverty Line (FPL)\***

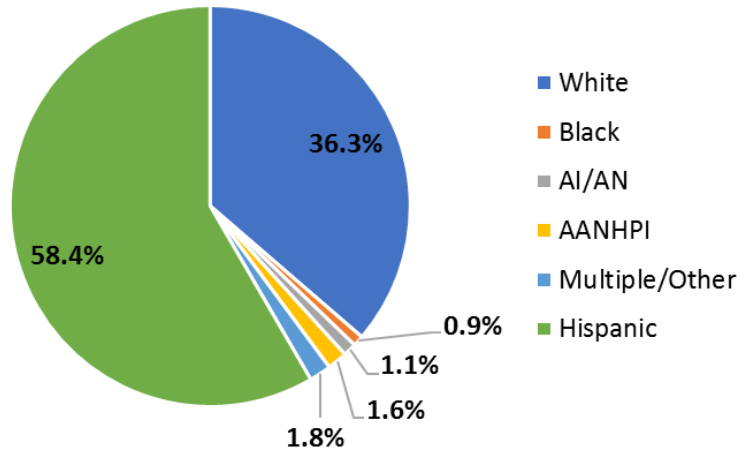
14.0% of residents live below the poverty line.



**Health Insurance Coverage\***

13.6% of residents do not have health insurance.

**Race/Ethnicity\***



**Health Topic\*\*\***

(adult respondents ages 18+)

40.9% of respondents reported not having consistent ability to afford food.



27.1% of respondents had a body mass index of 30.0 or above.

28.8% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



16.8% of respondents are current smokers.

30.4% of respondents reported binge drinking in the past year.



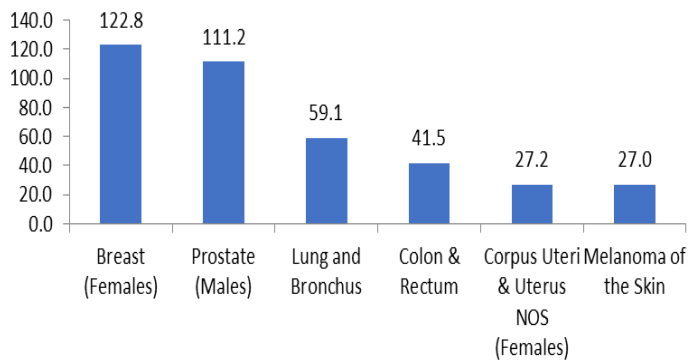
# COLUSA COUNTY



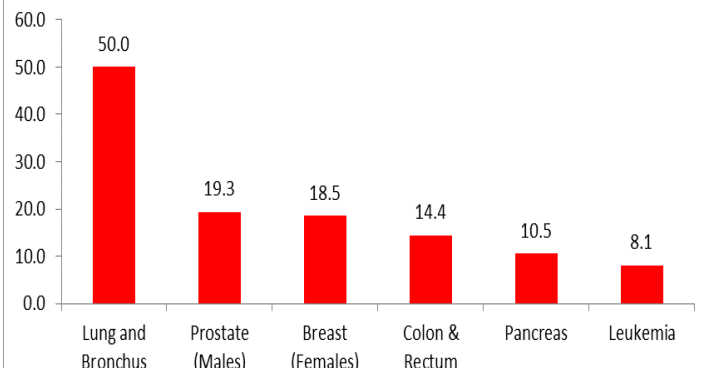
## CLINICAL CARE

Clinical Care Measure	Colusa County (%)
Percentage of Adults with Routine Check up in past 12 months*	73.5%
Has a usual source of care*	89.6%
Ever had a colorectal endoscopy (50+)**	44.1%
Had a Pap Test in past 3 years (females 18+)**	70.9%
Had a mammogram in past 2 years (females 40+)**	65.8%

### Incidence Top Five Cancer Sites: Colusa, Glenn, Tehama Counties (per 100,000)



### Mortality Top Five Cancer Sites: Colusa, Glenn, Tehama Counties (per 100,000)



# EL DORADO COUNTY



**Population\***  
**185,015**

65.3% of residents reside in urban areas and 34.7% reside in rural areas.\*\*

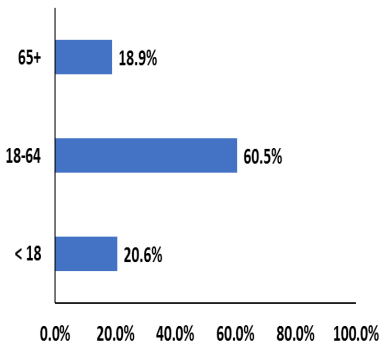


**Education\***

92.9% of residents are high school graduates or higher; 33.3% of residents hold a bachelor's degree or higher.



**Ages\***



**Federal Poverty Line (FPL)\***

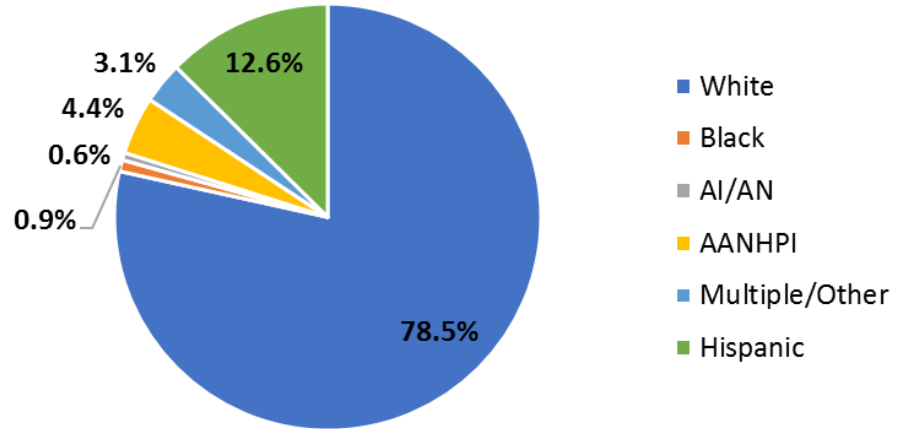
9.8% of residents live below the poverty line.



**Health Insurance Coverage\***

6.0% of residents do not have health insurance.

**Race/Ethnicity\***



**Health Topic\*\*\***

(adult respondents ages 18+)

56.4% of respondents reported not having consistent ability to afford food.



21.8% of respondents had a body mass index of 30.0 or above.

43.7% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



14.4% of respondents are current smokers.

37.8% of respondents reported binge drinking in the past year.





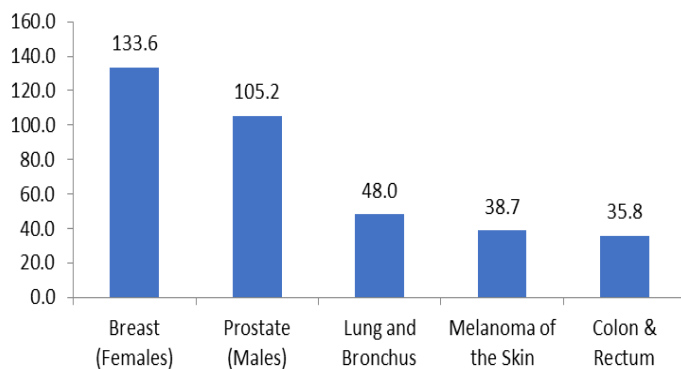
# EL DORADO COUNTY



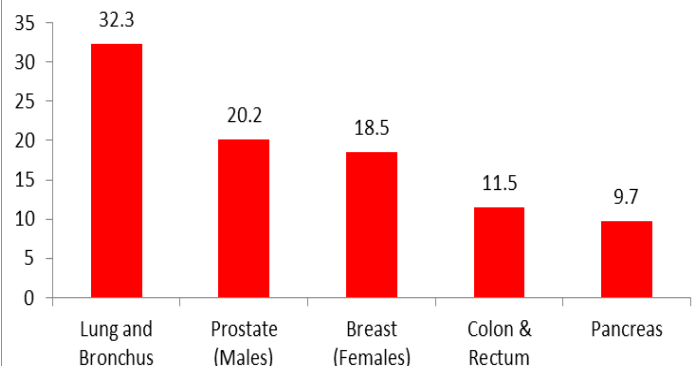
## CLINICAL CARE

Clinical Care Measure	El Dorado County (%)
Percentage of Adults with Routine Check up in past 12 months*	71.1%
Has a usual source of care*	88.8%
Ever had a colorectal endoscopy (50+)**	62.0%
Had a Pap Test in past 3 years (females 18+)**	74.4%
Had a mammogram in past 2 years (females 40+)**	67.3%

**Incidence Top Five Cancer Sites:  
El Dorado County (per 100,000)**



**Mortality Top Five Cancer Sites:  
El Dorado County (per 100,000)**





# GLENN COUNTY



## Population\*

27,935

59.1% of residents reside in urban areas and 40.9% reside in rural areas.\*\*

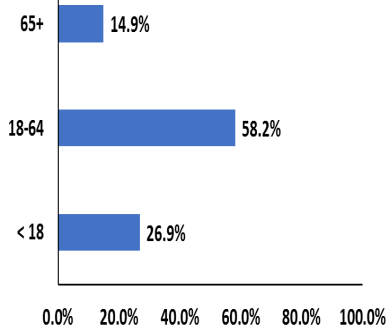


## Education\*

72.5% of residents are high school graduates or higher; 13.0% of residents hold a bachelor's degree or higher.



## Ages\*



## Federal Poverty Line (FPL)\*

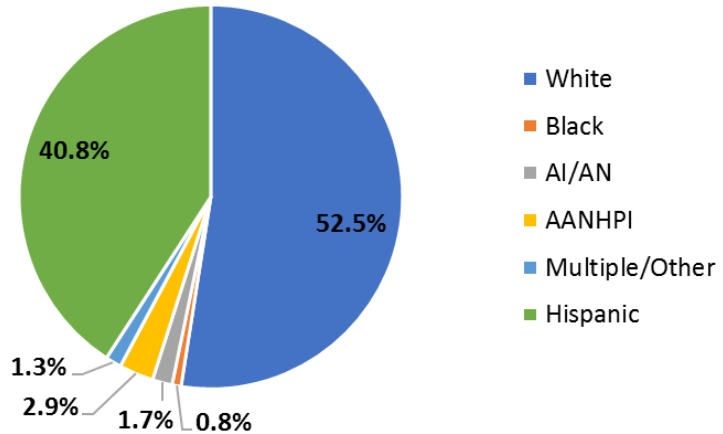
19.6% of residents live below the poverty line.



## Health Insurance Coverage\*

11.8% of residents do not have health insurance.

## Race/Ethnicity\*



## Health Topic\*\*\*

(adult respondents ages 18+)

40.9% of respondents reported not having consistent ability to afford food.



27.1% of respondents had a body mass index of 30.0 or above.

28.8% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



16.8% of respondents are current smokers.

30.4% of respondents reported binge drinking in the past year.



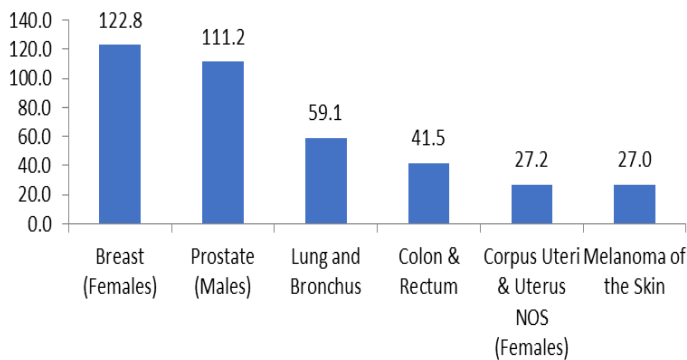
# GLENN COUNTY



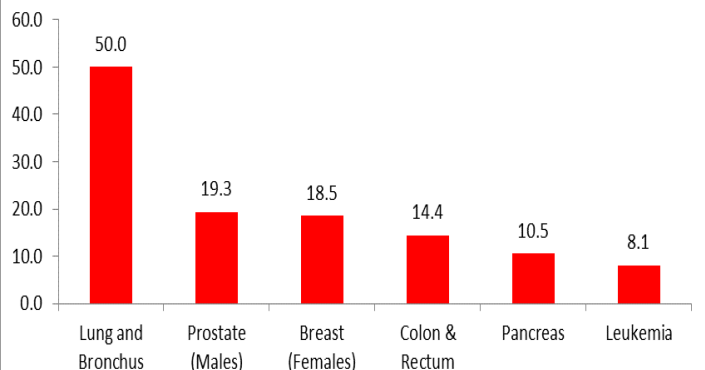
## CLINICAL CARE

Clinical Care Measure	Colusa County (%)
Percentage of Adults with Routine Check up in past 12 months*	73.55
Has a usual source of care*	89.6%
Ever had a colorectal endoscopy (50+)**	47.3%
Had a Pap Test in past 3 years (females 18+)**	66.2%
Had a mammogram in past 2 years (females 40+)**	65.1%

**Incidence Top Five Cancer Sites: Colusa, Glenn, Tehama Counties (per 100,000)**



**Mortality Top Five Cancer Sites: Colusa, Glenn, Tehama Counties (per 100,000)**



Sources: \*2017 California Health Interview Survey (Tehama, Glenn, & Colusa); \*\*State Cancer Profiles ([www.statecancerprofiles.cancer.gov](http://www.statecancerprofiles.cancer.gov)); \*\*\*Age-Adjusted Cancer Mortality Rates by Region and Race/Ethnicity in California, 2011-2015

# MERCED COUNTY



**Population\***  
27,935

85.7% of residents reside in urban areas and 14.3% reside in rural areas.\*\*

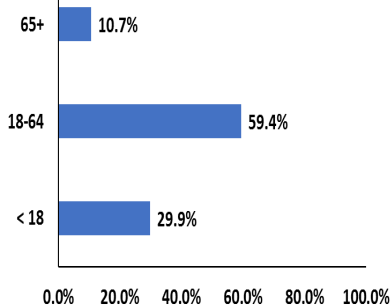


**Education\***

68.9% of residents are high school graduates or higher; 13.8% of residents hold a bachelor's degree or higher.



**Ages\***



**Federal Poverty Line (FPL)\***

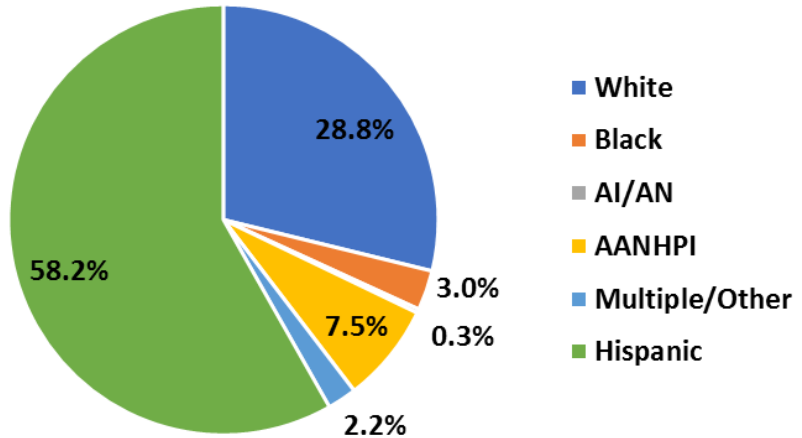
23.3% of residents live below the poverty line.



**Health Insurance Coverage\***

11.1% of residents do not have health insurance.

**Race/Ethnicity\***



**Health Topic\*\*\***

(adult respondents ages 18+)

57.7% of respondents reported not having consistent ability to afford food.



33.8% of respondents had a body mass index of 30.0 or above.

61.6% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



11.4% of respondents are current smokers.

34.3% of respondents reported binge drinking in the past year.

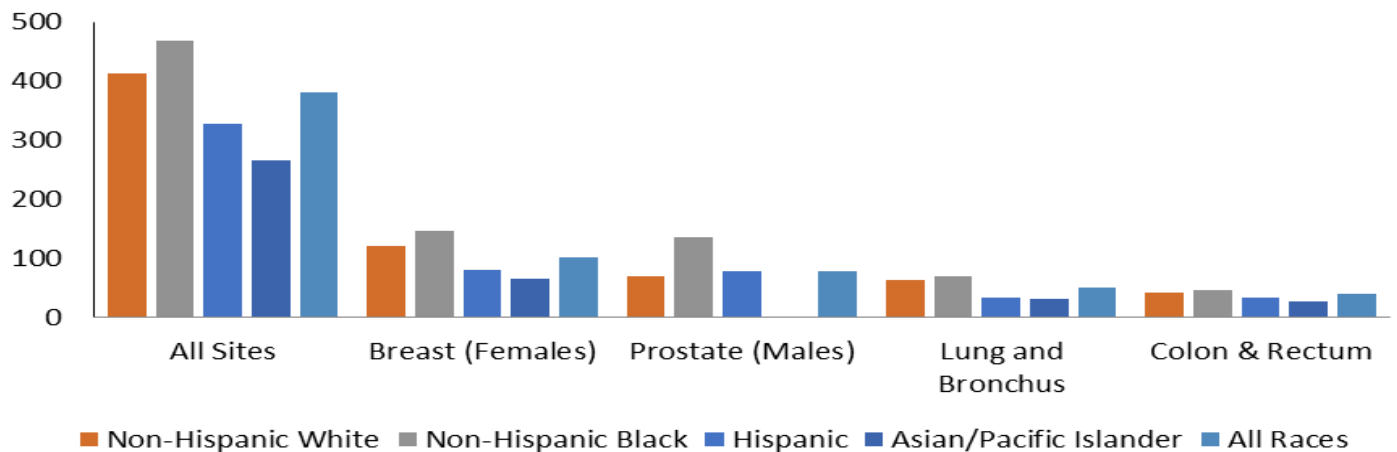


# MERCED COUNTY

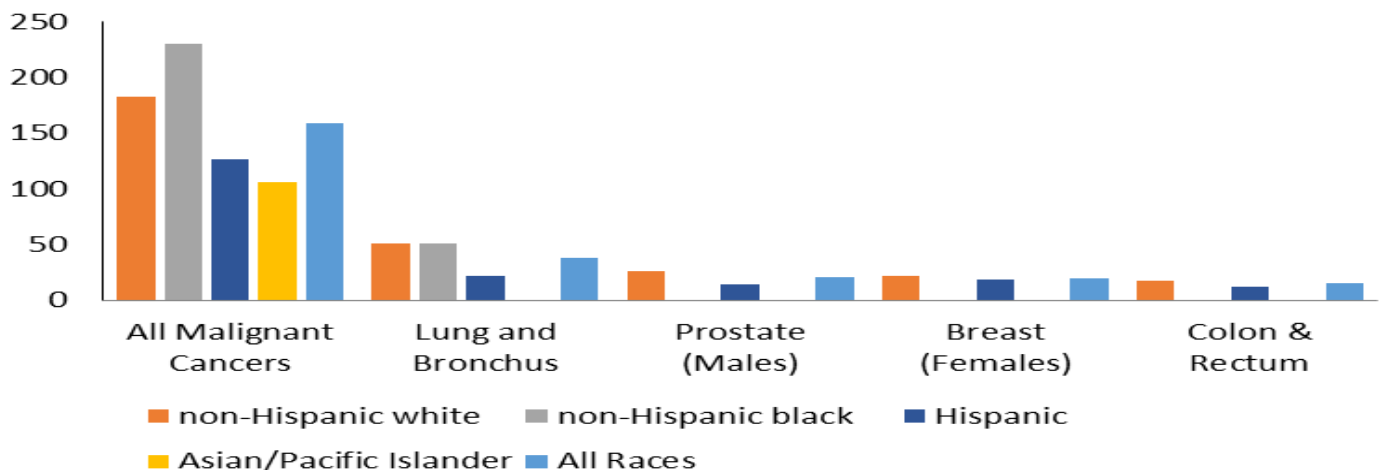
## CLINICAL CARE

Clinical Care Measure	Merced County (%)
Percentage of Adults with Routine Check up in past 12 months*	71.6%
Has a usual source of care*	82.1%
Ever had a colorectal endoscopy (50+)**	53.8%
Had a Pap Test in past 3 years (females 18+)**	68.2%
Had a mammogram in past 2 years (females 40+)**	65.1%

### Mortality Top Five Cancer Sites: Merced County (per 100,000)



### Incidence Top Five Cancer Sites: Merced County (per 100,000)



# NEVADA COUNTY



**Population\***  
**98,838**

57.9% of residents reside in urban areas and 42.1% reside in rural areas.\*\*

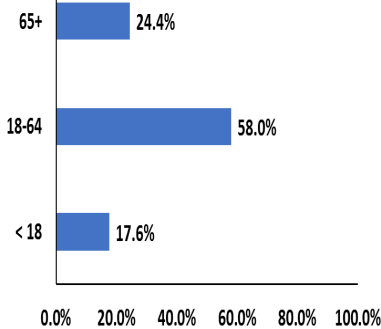


**Education\***

93.5% of residents are high school graduates or higher; 35.8% of residents hold a bachelor's degree or higher.



**Ages\***



**Federal Poverty Line (FPL)\***

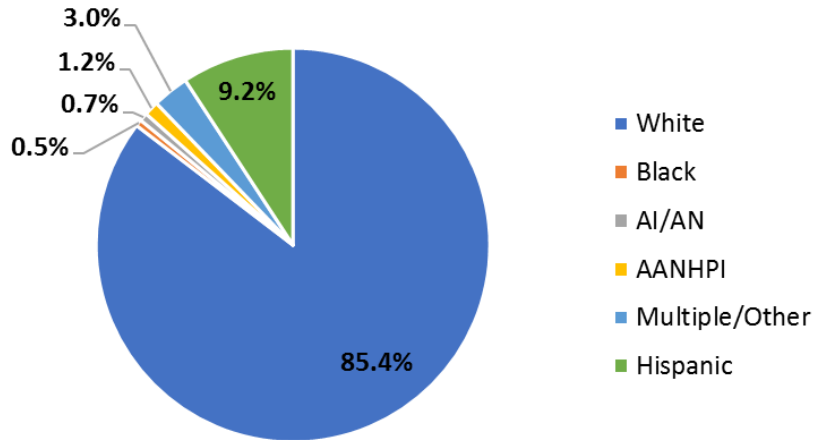
12.1% of residents live below the poverty line.



**Health Insurance Coverage\***

9.7% of residents do not have health insurance.

**Race/Ethnicity\***



**Health Topic\*\*\***

(adult respondents ages 18+)

42.7% of respondents reported not having consistent ability to afford food.



10.2% of respondents had a body mass index of 30.0 or above.

61.6% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



22.1% of respondents are current smokers.

30.6% of respondents reported binge drinking in the past year.



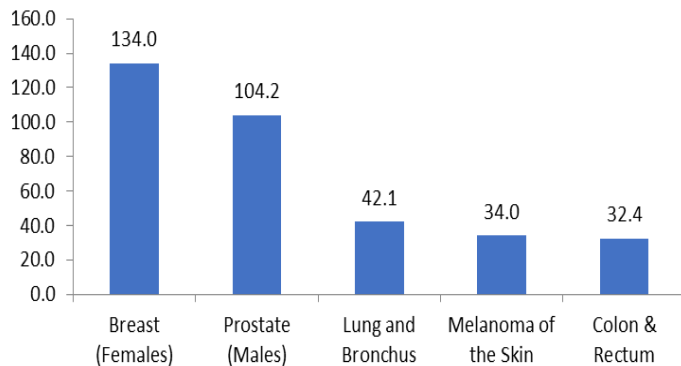
# NEVADA COUNTY



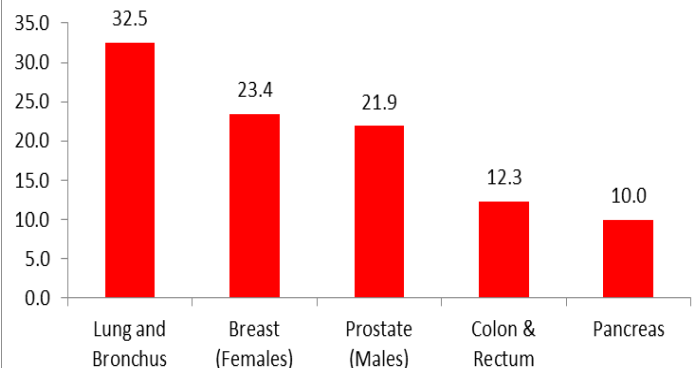
## CLINICAL CARE

Clinical Care Measure	Nevada County (%)
Percentage of Adults with Routine Check up in past 12 months*	92.7%
Has a usual source of care*	84.9%
Ever had a colorectal endoscopy (50+)**	59.4%
Had a Pap Test in past 3 years (females 18+)**	70.3%
Had a mammogram in past 2 years (females 40+)**	68.1%

### Incidence Top Five Cancer Sites: Nevada County (per 100,000)



### Mortality Top Five Cancer Sites: Nevada County (per 100,000)



# PLACER COUNTY



**Population\***  
**374,985**

86.2% of residents reside in urban areas and 13.8% reside in rural areas.\*\*

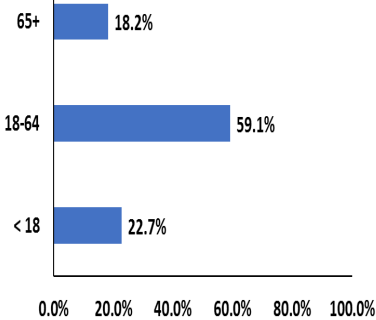


**Education\***

94.5% of residents are high school graduates or higher; 37.5% of residents hold a bachelor's degree or higher.



**Ages\***



**Federal Poverty Line (FPL)\***

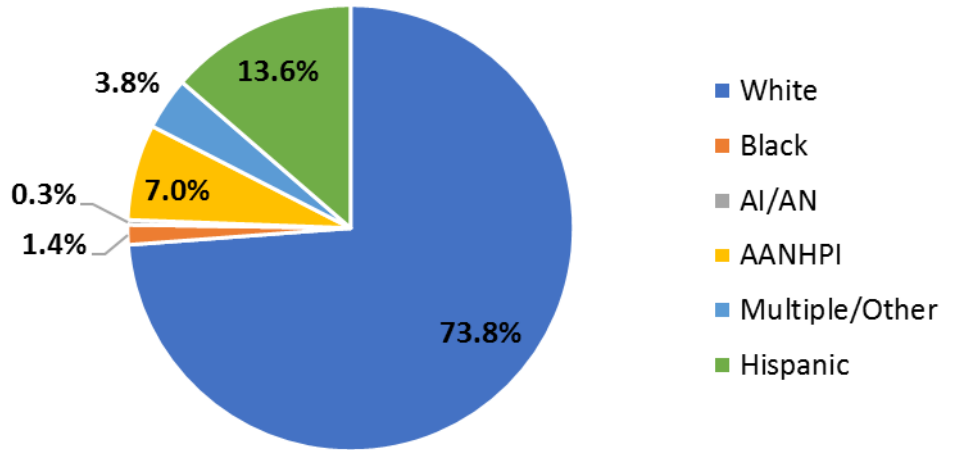
8.2% of residents live below the poverty line.



**Health Insurance Coverage\***

6.1% of residents do not have health insurance.

**Race/Ethnicity\***



**Health Topic\*\*\***

(adult respondents ages 18+)

20.3% of respondents reported not having consistent ability to afford food.



16.5% of respondents had a body mass index of 30.0 or above.

34.2% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



6.5% of respondents are current smokers.

26.5% of respondents reported binge drinking in the past year.

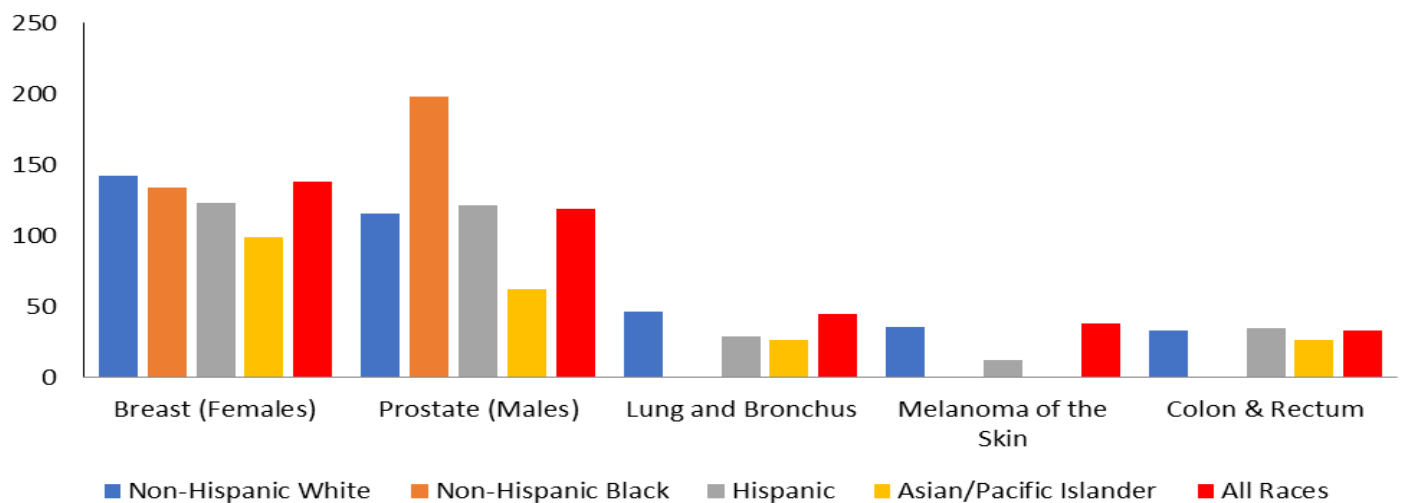


# PLACER COUNTY

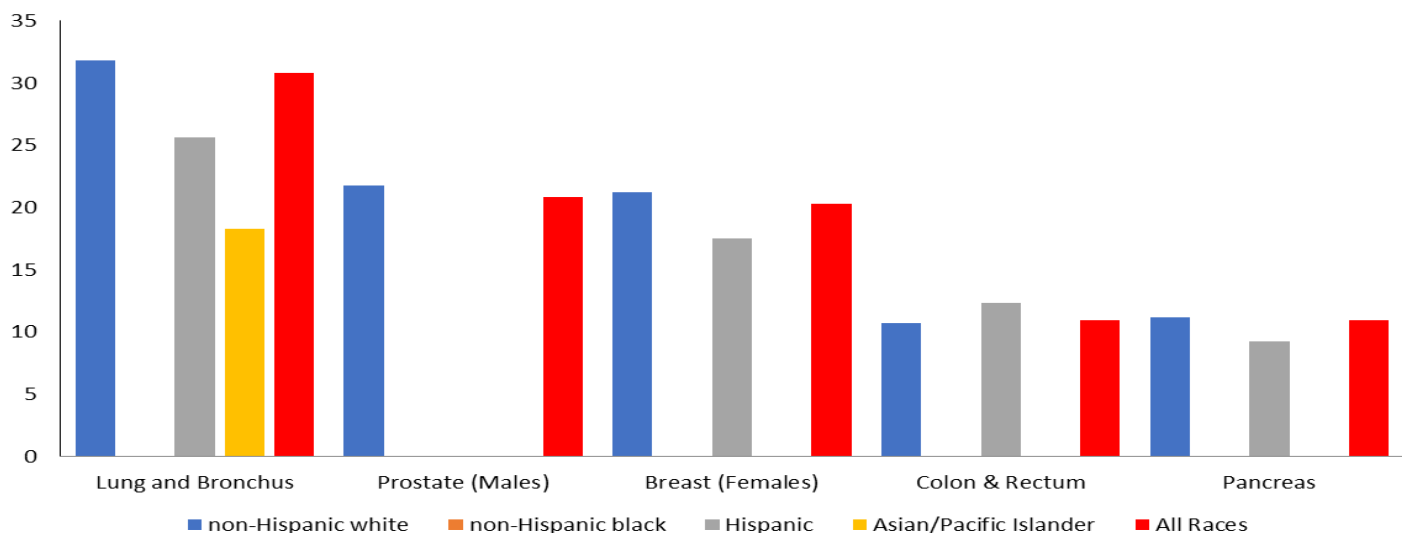
## CLINICAL CARE

Clinical Care Measure	Placer County (%)
Percentage of Adults with Routine Check up in past 12 months*	73.4%
Has a usual source of care*	88.4%
Ever had a colorectal endoscopy (50+)**	59.4%
Had a Pap Test in past 3 years (females 18+)**	70.3%
Had a mammogram in past 2 years (females 40+)**	68.1%

**Incidence Top Five Cancer Sites:  
Placer County (per 100,000)**



**Mortality Top Five Cancer Sites:  
Placer County (per 100,000)**



Sources: \*2017 California Health Interview Survey; \*\*State Cancer Profiles ([www.statecancerprofiles.cancer.gov](http://www.statecancerprofiles.cancer.gov)); \*\*\*Age-Adjusted Cancer Mortality Rates by Region and Race/Ethnicity in California, 2011-2015



# SACRAMENTO COUNTY



**Population\***  
1,495,400

97.9 of residents reside in urban areas and 2.1% reside in rural areas.\*\*

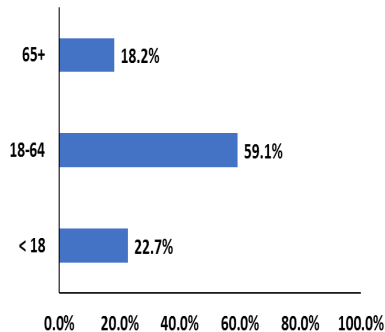


**Education\***

87.0% of residents are high school graduates or higher; 29.9% of residents hold a bachelor's degree or higher.



**Ages\***



**Federal Poverty Line (FPL)\***

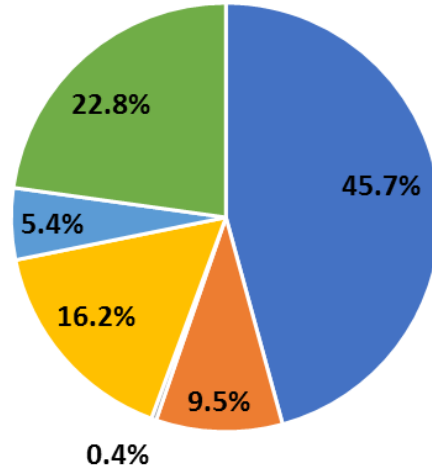
16.7% of residents live below the poverty line.



**Health Insurance Coverage\***

8.4% of residents do not have health insurance.

**Race/Ethnicity\***



- White
- Black
- AI/AN
- AANHPI
- Multiple/Other
- Hispanic

**Health Topic\*\*\***

(adult respondents ages 18+)

44.6% of respondents reported not having consistent ability to afford food.



28.5% of respondents had a body mass index of 30.0 or above.

34.3% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



9.2% of respondents are current smokers.

32.2% of respondents reported binge drinking in the past year.

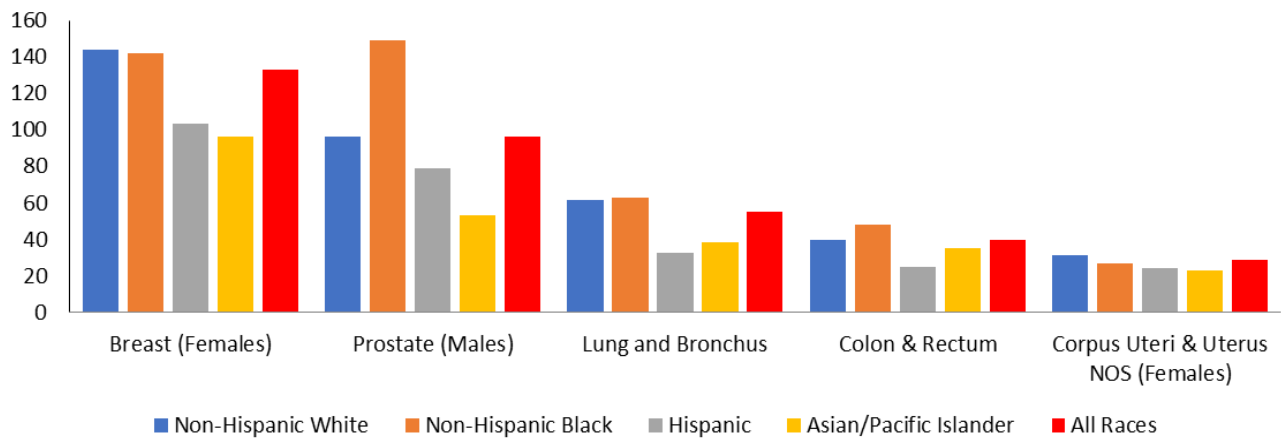


# SACRAMENTO COUNTY

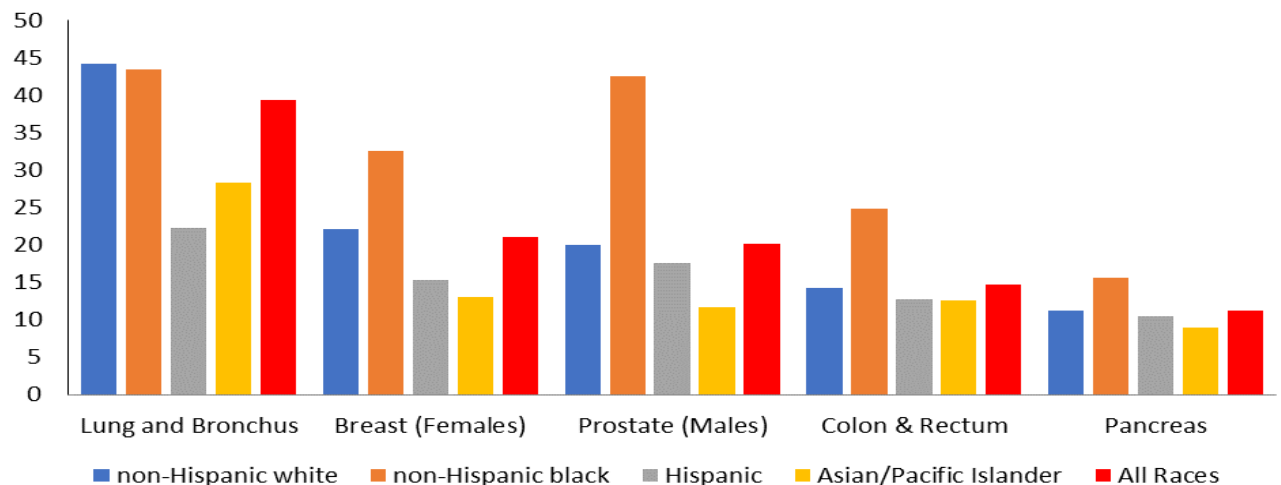
## CLINICAL CARE

Clinical Care Measure	Sacramento County (%)
Percentage of Adults with Routine Check up in past 12 months*	71.1%
Has a usual source of care*	88.9%
Ever had a colorectal endoscopy (50+)**	60.1%
Had a Pap Test in past 3 years (females 18+)**	74.8%
Had a mammogram in past 2 years (females 40+)**	69.0%

**Incidence Top Five Cancer Sites:  
Sacramento County (per 100,000)**



**Mortality Top Five Cancer Sites: Sacramento  
County (per 100,000)**



# SAN JOAQUIN COUNTY



## Population\*

**724,153**

91.5% of residents reside in urban areas and 8.5% reside in rural areas.\*\*

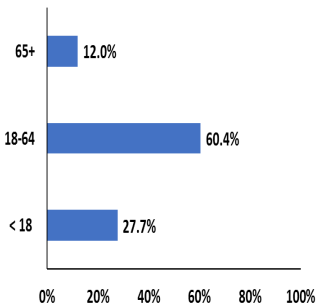


## Education\*

78.4% of people are high school graduates or higher; 18.1% of people hold a bachelor's degree or higher.



## Ages\*



## Federal Poverty Line (FPL)\*

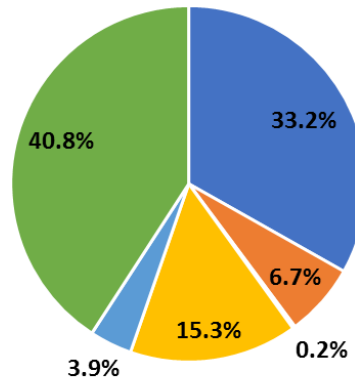
17.1% of San Joaquin County residents live below the poverty line.



## Health Insurance

14.1% of residents do not have health insurance.

## Race/Ethnicity\*



- White
- Black
- AI/AN
- AANHPI
- Multiple/Other
- Hispanic

## Health Topic\*\*\*

*(adult respondents ages*

44.5% of respondents reported not having consistent ability to afford food.



34.7% of respondents had a body mass index of 30.0 or above.

33.8% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



10.6% of respondents are current smokers.



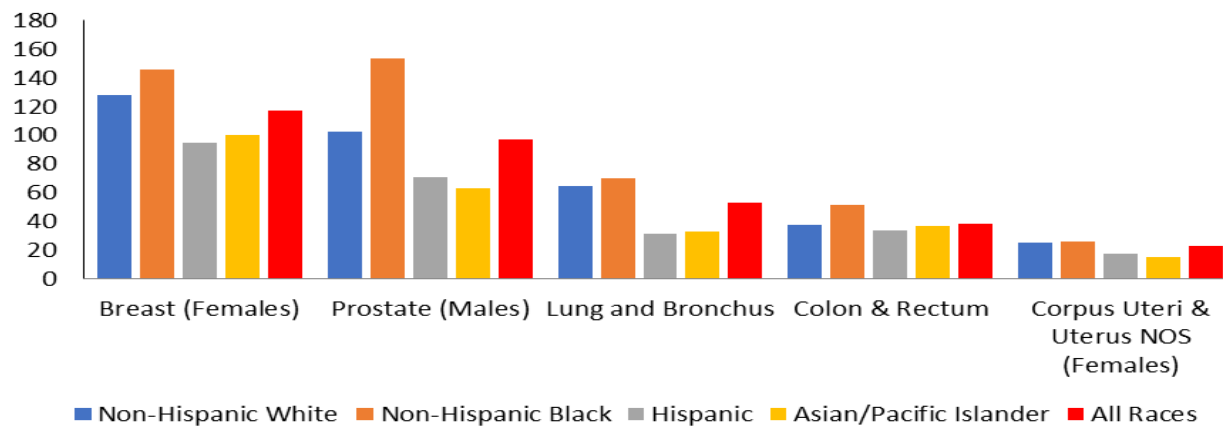
33.0% of respondents reported binge drinking in the past year.

# SAN JOAQUIN COUNTY

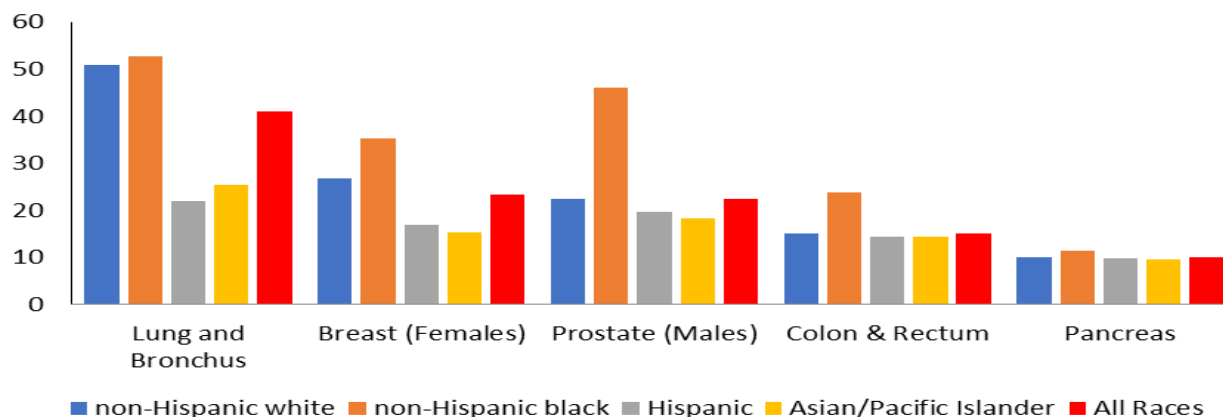
## CLINICAL CARE

Clinical Care Measure	San Joaquin County (%)
Percentage of Adults with Routine Check up in Past 1 Year*	77.3%
Has a usual source of care*	86.7%
Ever had a colorectal endoscopy (50+)**	52.0%
Had a Pap Test in past 3 years (females 18+)**	76.5%
Had a mammogram in past 2 years (females 40+)**	71.5%

### Incidence Top Five Cancer Sites: San Joaquin County (per 100,000)



### Mortality Top Five Cancer Sites: San Joaquin County (per 100,000)



# SIERRA COUNTY



## Population\*

**2,885**

0.3% of residents reside in urban areas and 99.7% reside in rural areas.\*\*

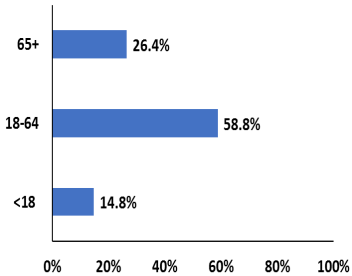


## Education\*

92.9% of people are high school graduates or higher; 21.4% of people hold a bachelor's degree or higher.



## Ages\*



## Federal Poverty Line (FPL)\*

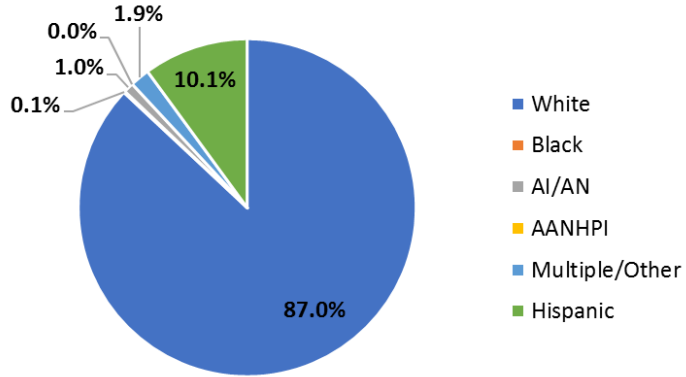
12.3% of Sierra County residents live below the poverty line.



## Health Insurance

16.0% of residents do not have health insurance.

## Race/Ethnicity\*



## Health Topic\*\*\*

(adult respondents ages 18+, )

80.0% of respondents reported not having consistent ability to afford food.



32.7% of respondents had a body mass index of 30.0 or above.

42.4% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



22.0% of respondents are current smokers.

31.4% of respondents reported binge drinking in the past year.



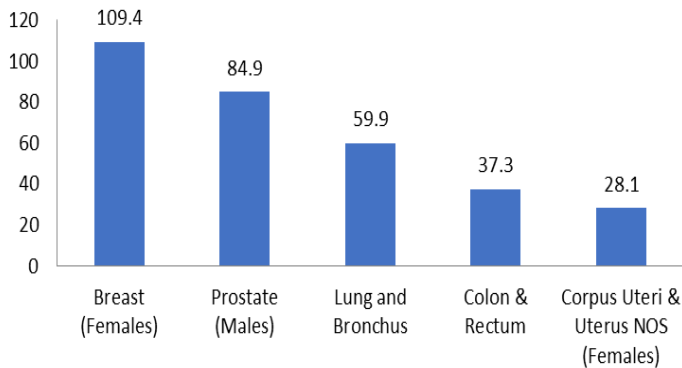
# SIERRA COUNTY



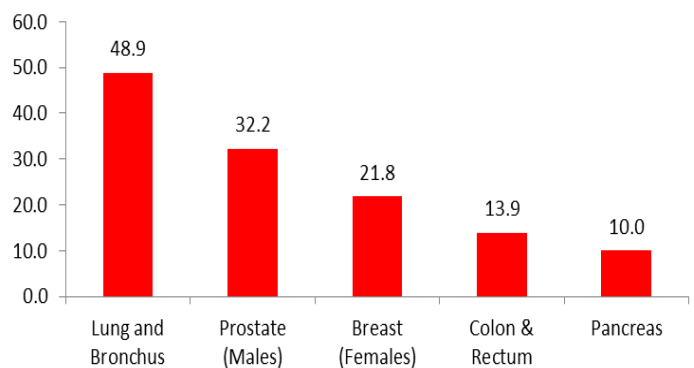
## CLINICAL CARE

Clinical Care Measure	Sierra County (%)
Percentage of Adults with Routine Check up in Past 1 Year*	76.1%
Has a usual source of care*	95.8%
Ever had a colorectal endoscopy (50+)**	50.0%
Had a Pap Test in past 3 years (females 18+)**	69.5%
Had a mammogram in past 2 years (females 40+)**	60.3%

**Incidence Top Cancer Sites:  
Sierra & Yuba Counties (per 100,000)**



**Mortality Top Cancer Sites:  
Sierra & Yuba Counties (per 100,000)**



# SOLANO COUNTY



## Population\*

**434,981**

96.3% of residents reside in urban areas and 3.7% reside in rural areas.\*\*

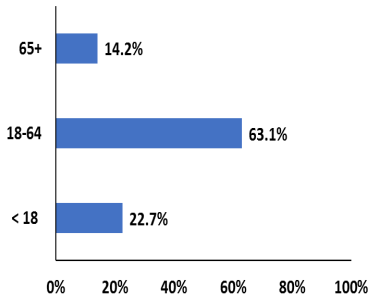


## Education\*

87.6% of people are high school graduates or higher; 25.6% of people hold a bachelor's degree or higher.



## Ages\*



## Federal Poverty Line (FPL)\*

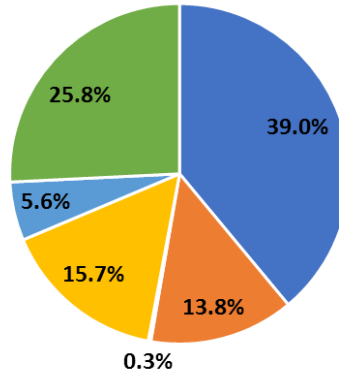
11.5% of Solano County residents live below the poverty line.



## Health Insurance

10.7% of residents do not have health insurance.

## Race/Ethnicity\*



- White
- Black
- AI/AN
- AANHPI
- Multiple/Other
- Hispanic

## Health Topic\*\*\*

(adult respondents ages 18+, )

34.8% of respondents reported not having consistent ability to afford food.



33.1% of respondents had a body mass index of 30.0 or above.



30.7% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



14.4% of respondents are current smokers.



43.3% of respondents reported binge drinking in the past year.



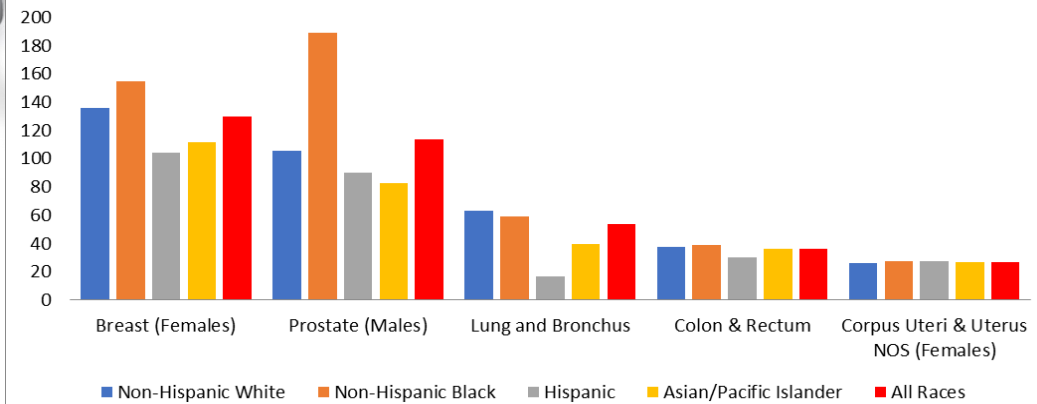
# SOLANO COUNTY

## CLINICAL CARE

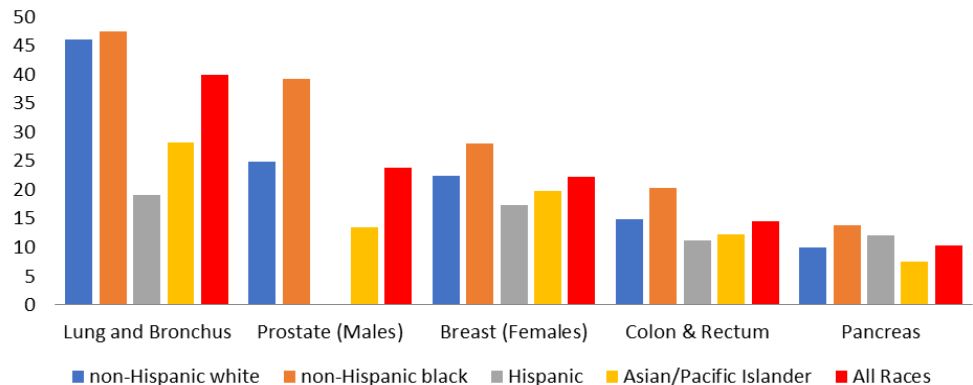


Clinical Care Measure	Solano County (%)
Percentage of Adults with Routine Check up in Past 1 Year*	73.8%
Has a usual source of care*	93.7%
Ever had a colorectal endoscopy (50+)**	58.6%
Had a Pap Test in past 3 years (females 18+)**	80.0%
Had a mammogram in past 2 years (females 40+)**	76.1%

**Incidence Top Five Cancer Sites:  
Solano County (per 100,000)**



**Mortality Top Five Cancer Sites:  
Solano County (per 100,000)**



Sources: \*2017 California Health Interview Survey; \*\*State Cancer Profiles ([www.statecancerprofiles.cancer.gov](http://www.statecancerprofiles.cancer.gov)); \*\*\*Age-Adjusted Cancer Mortality Rates by Region and Race/Ethnicity in California, 2011-2015



# STANISLAUS COUNTY



## Population\*

**535,684**

92.0% of residents reside in urban areas and 8.0% reside in rural areas.\*\*

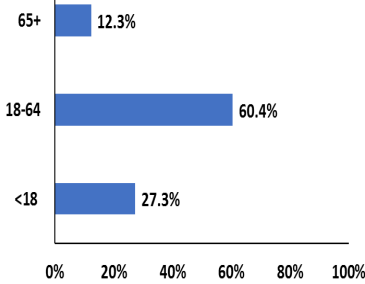


## Education\*

77.8% of people are high school graduates or higher; 16.7% of people hold a bachelor's degree or higher.



## Ages\*



## Federal Poverty Line (FPL)\*

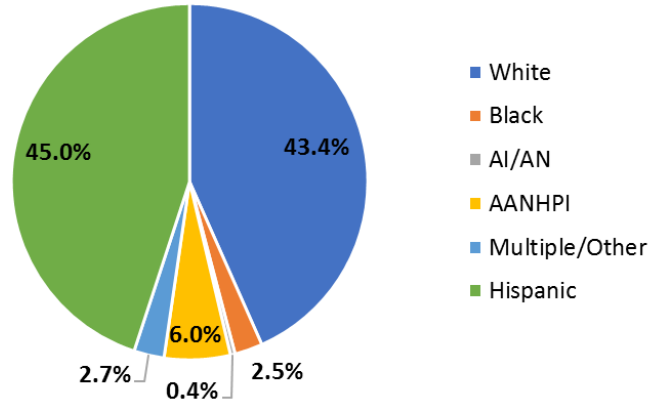
17.2% of Stanislaus County residents live below the poverty line.



## Health Insurance

12.7% of residents do not have health insurance.

## Race/Ethnicity\*



## Health Topic\*\*\*

(adult respondents ages 18+, )

38.5% of respondents reported not having consistent ability to afford food.



39.8% of respondents had a body mass index of 30.0 or above.

29.9% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



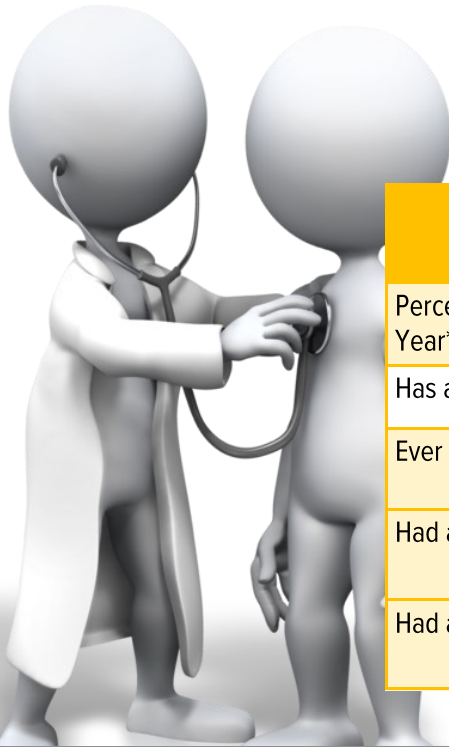
13.3% of respondents are current smokers.



33.6% of respondents reported binge drinking in the past year.



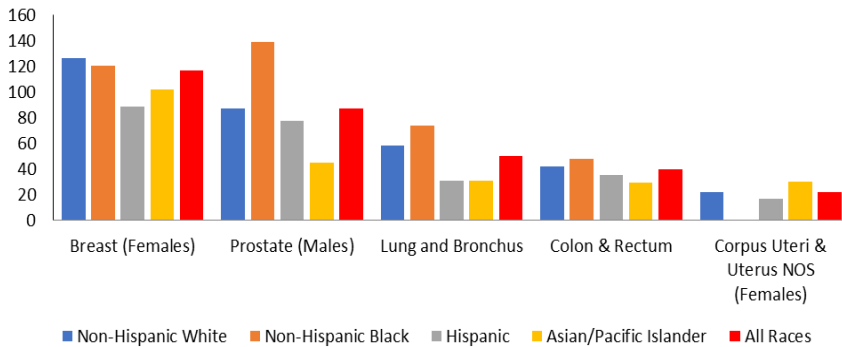
# STANISLAUS COUNTY



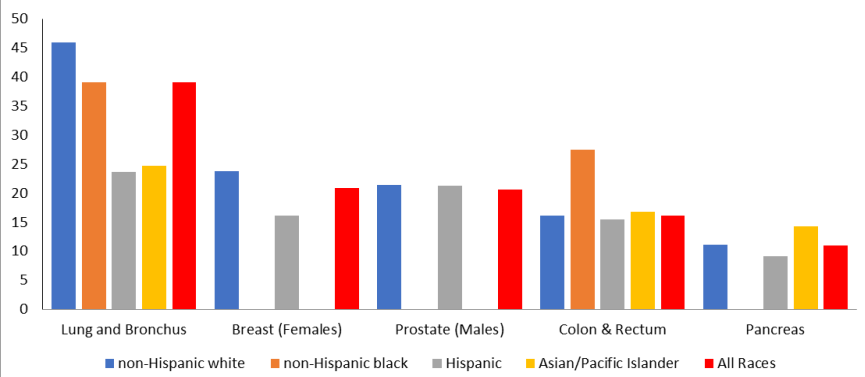
## CLINICAL CARE

Clinical Care Measure	Stanislaus County (%)
Percentage of Adults with Routine Check up in Past 1 Year*	77.4%
Has a usual source of care*	78.0%
Ever had a colorectal endoscopy (50+)**	47.6%
Had a Pap Test in past 3 years (females 18+)**	71.1%
Had a mammogram in past 2 years (females 40+)**	63.5%

**Incidence Top Five Cancer Sites: Stanislaus County (per 100,000)**

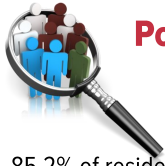


**Mortality Top Five Cancer Sites: Stanislaus County (per 100,000)**



Sources: \*2017 California Health Interview Survey; \*\*State Cancer Profiles ([www.statecancerprofiles.cancer.gov](http://www.statecancerprofiles.cancer.gov)); \*\*\*Age-Adjusted Cancer Mortality Rates by Region and Race/Ethnicity in California, 2011-2015

# SUTTER COUNTY



## Population\*

**95,583**

85.2% of residents reside in urban areas and 14.8% reside in rural areas.\*\*

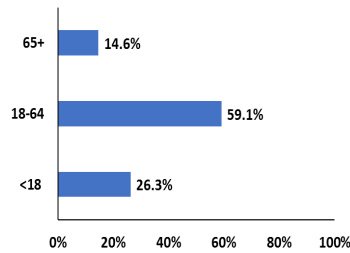


## Education\*

77.8% of people are high school graduates or higher; 16.7% of people hold a bachelor's degree or higher.



## Ages\*



## Federal Poverty Line (FPL)\*

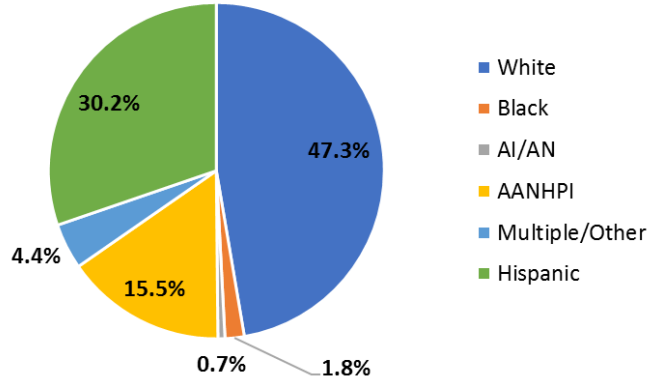
16.7% of Sutter County residents live below the poverty line.



## Health Insurance

17.0% of residents do not have health insurance.

## Race/Ethnicity\*



## Health Topic\*\*\*

(adult respondents ages 18+, )

35.3% of respondents reported not having consistent ability to afford food.



29.7% of respondents had a body mass index of 30.0 or above.

29.3% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.

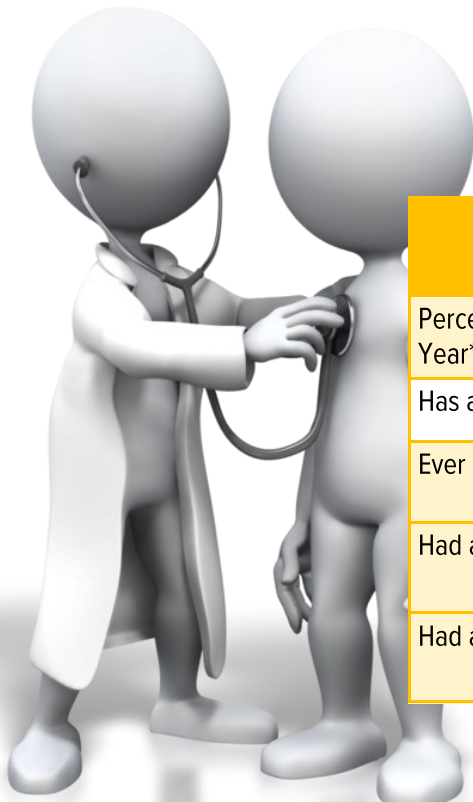


9.5% of respondents are current smokers.



40.2% of respondents reported binge drinking in the past year.

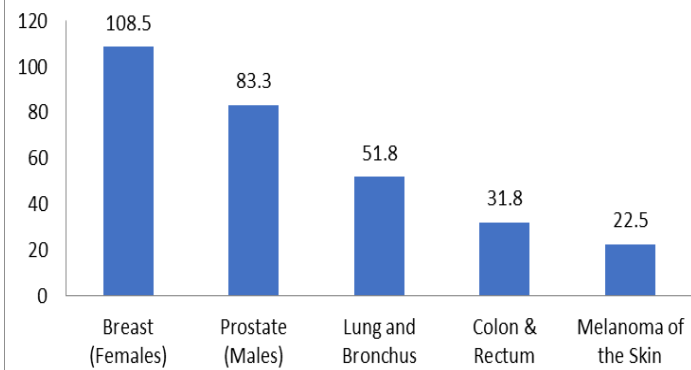
# SUTTER COUNTY



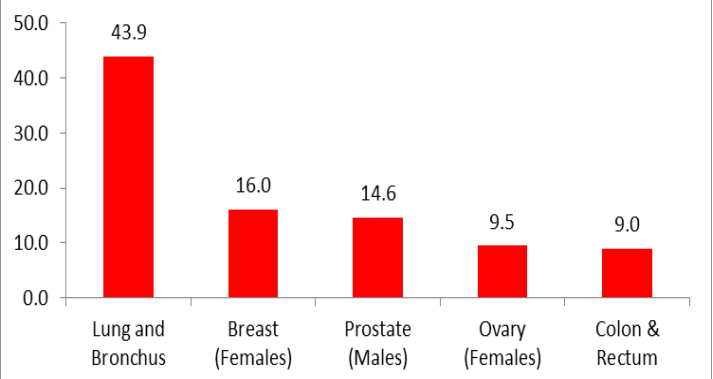
## CLINICAL CARE

Clinical Care Measure	Sutter County (%)
Percentage of Adults with Routine Check up in Past 1 Year*	79.8%
Has a usual source of care*	75.6%
Ever had a colorectal endoscopy (50+)**	63.7%
Had a Pap Test in past 3 years (females 18+)**	76.5%
Had a mammogram in past 2 years (females 40+)**	77.5%

**Incidence Top Five Cancer Sites:  
Sutter County (per 100,000)**



**Mortality Top Five Cancer Sites:  
Sutter County (per 100,000)**



# TEHAMA COUNTY



## Population\*

63,247

48.5% of residents reside in urban areas and 51.5% reside in rural areas.\*\*

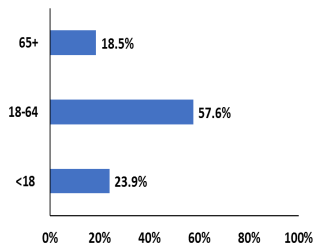


## Education\*

84.0% of people are high school graduates or higher; 14.4% of people hold a bachelor's degree or higher.



## Ages\*



## Federal Poverty Line (FPL)\*

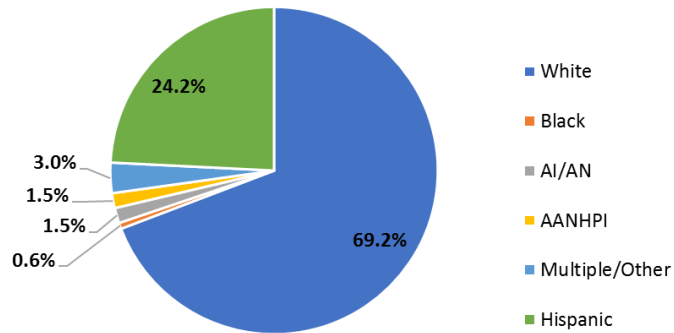
20.9% of Tehama County residents live below the poverty line.



## Health Insurance

11.9% of residents do not have health insurance.

## Race/Ethnicity\*



## Health Topic\*\*\*

(adult respondents ages 18+, )

44.6% of respondents reported not having consistent ability to afford food.



27.1% of respondents had a body mass index of 30.0 or above.

28.8% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.

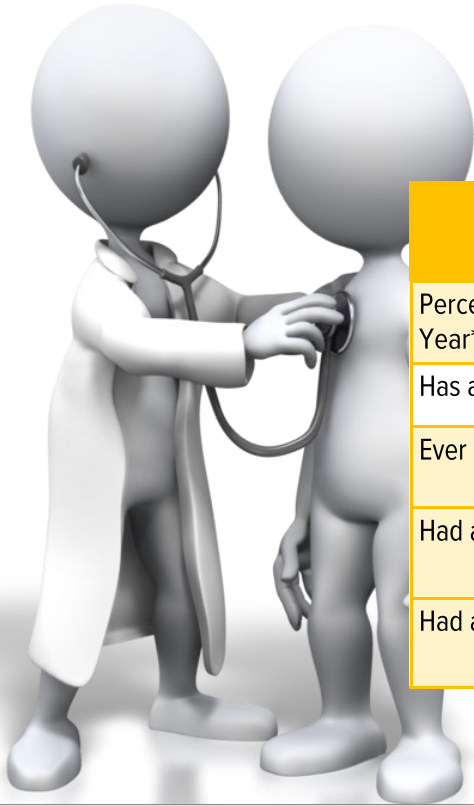


16.8% of respondents are current smokers.

30.4% of respondents reported binge drinking in the past year.\*\*\*\*



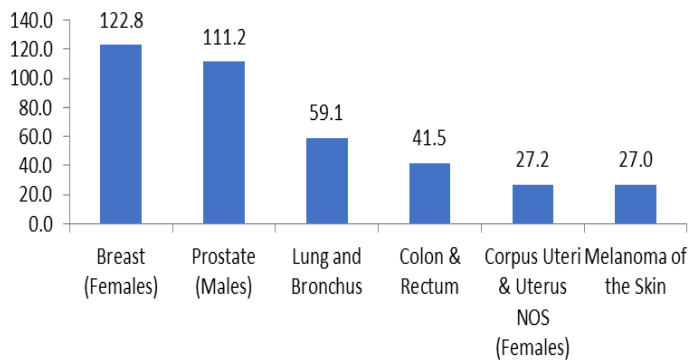
# TEHAMA COUNTY



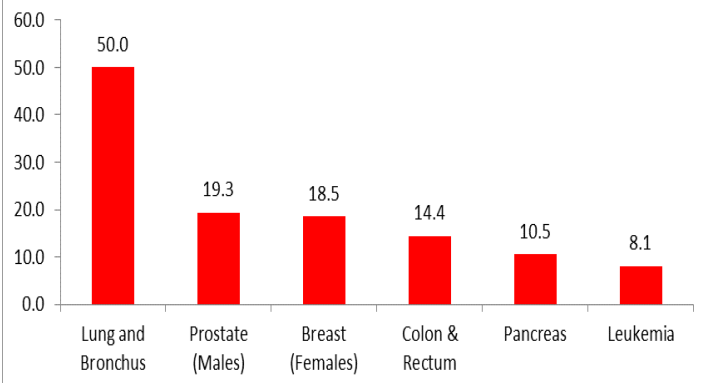
## CLINICAL CARE

Clinical Care Measure	Tehama County (%)
Percentage of Adults with Routine Check up in Past 1 Year*	70.0%
Has a usual source of care*	75.9%
Ever had a colorectal endoscopy (50+)**	50.2%
Had a Pap Test in past 3 years (females 18+)**	64.1%
Had a mammogram in past 2 years (females 40+)**	57.8%

**Incidence Top Five Cancer Sites: Colusa, Glenn, Tehama Counties (per 100,000)**



**Mortality Top Five Cancer Sites: Colusa, Glenn, Tehama Counties (per 100,000)**



Sources: \*2017 California Health Interview Survey (Tehama, Glenn, Colusa); \*\*State Cancer Profiles ([www.statecancerprofiles.cancer.gov](http://www.statecancerprofiles.cancer.gov)); \*\*\*Age-Adjusted Cancer Mortality Rates by Region and Race/Ethnicity in California, 2011-2015

# YOLO COUNTY



## Population\*

**212,605**

93.1% of residents reside in urban areas and 6.9% reside in rural areas.\*\*

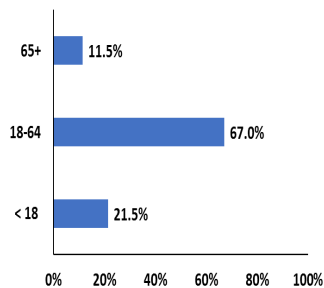


## Education\*

86.1% of people are high school graduates or higher; 40.6% of people hold a bachelor's degree or higher.



## Ages\*



## Federal Poverty Line (FPL)\*

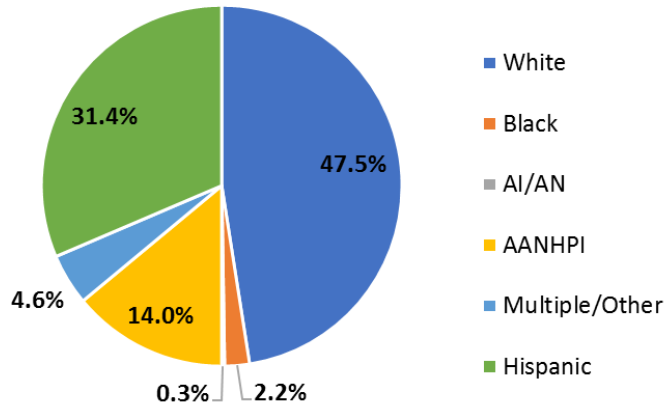
19.4% of Yolo County residents live below the poverty line.



## Health Insurance

10.1% of residents do not have health insurance.

## Race/Ethnicity\*



## Health Topic\*\*\*

(adult respondents ages 18+, )

61.9% of respondents reported not having consistent ability to afford food.



29.5% of respondents had a body mass index of 30.0 or above.



34.1% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.



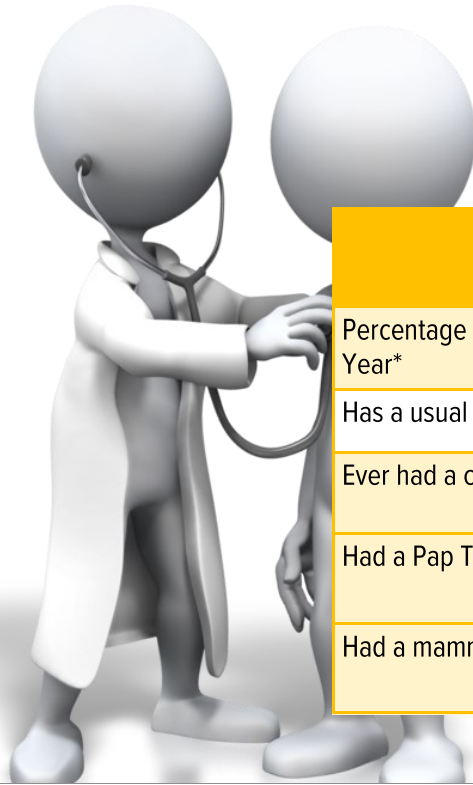
4.2% of respondents are current smokers.



48.4% of respondents reported binge drinking in the past year.\*\*\*\*



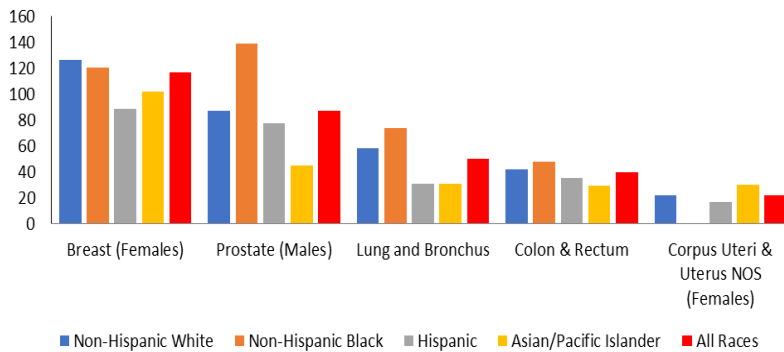
# YOLO COUNTY



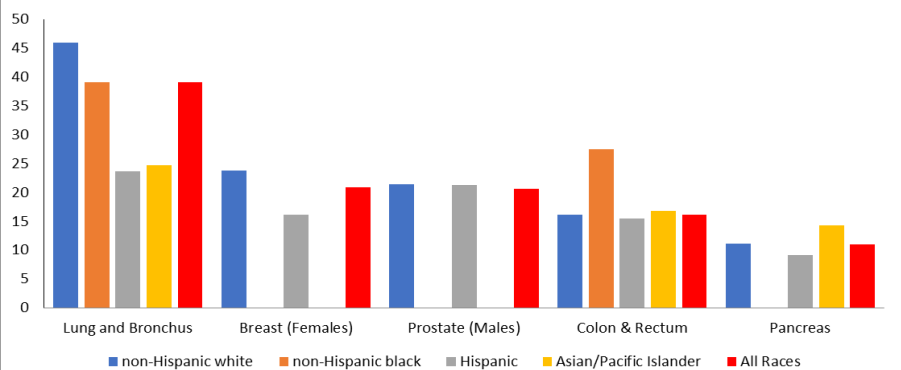
## CLINICAL CARE

Clinical Care Measure	Yolo County (%)
Percentage of Adults with Routine Check up in Past 1 Year*	66.9%
Has a usual source of care*	92.2%
Ever had a colorectal endoscopy (50+)**	58.7%
Had a Pap Test in past 3 years (females 18+)**	74.8%
Had a mammogram in past 2 years (females 40+)**	69.1%

**Incidence Top Five Cancer Sites:  
Stanislaus County (per 100,000)**



**Mortality Top Five Cancer Sites:  
Stanislaus County (per 100,000)**



Sources: \*2017 California Health Interview Survey; \*\*State Cancer Profiles ([www.statecancerprofiles.cancer.gov](http://www.statecancerprofiles.cancer.gov)); \*\*\*Age-Adjusted Cancer Mortality Rates by Region and Race/Ethnicity in California, 2011-2015



# YUBA COUNTY



## Population\*

**74,644**

73.8% of residents reside in urban areas and 26.2% reside in rural areas.\*\*

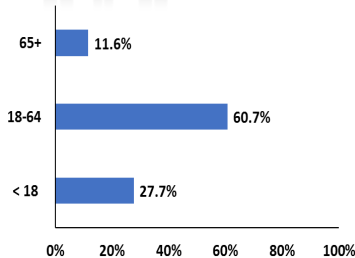


## Education\*

82.1% of people are high school graduates or higher; 16.4% of people hold a bachelor's degree or higher.



## Ages\*



## Federal Poverty Line (FPL)\*

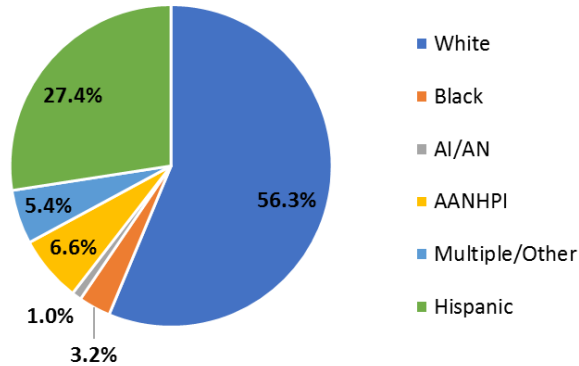
18.5% of Yuba County residents live below the poverty line.



## Health Insurance

15.0% of residents do not have health insurance.

## Race/Ethnicity\*



## Health Topic\*\*\*

(adult respondents ages 18+, )

43.5% of respondents reported not having consistent ability to afford food.



41.0% of respondents had a body mass index of 30.0 or above.

20.9% of respondents reported regularly walking for transportation or leisure for at least 150 minutes in the past week.

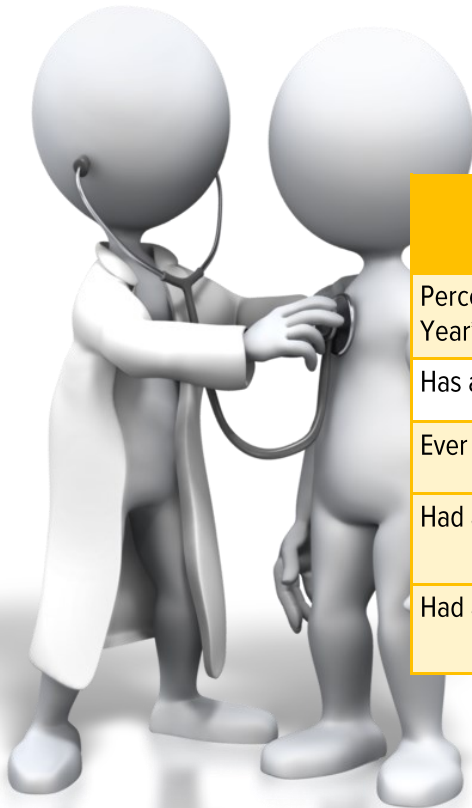


22.5% of respondents are current smokers.

31.2% of respondents reported binge drinking in the past year.



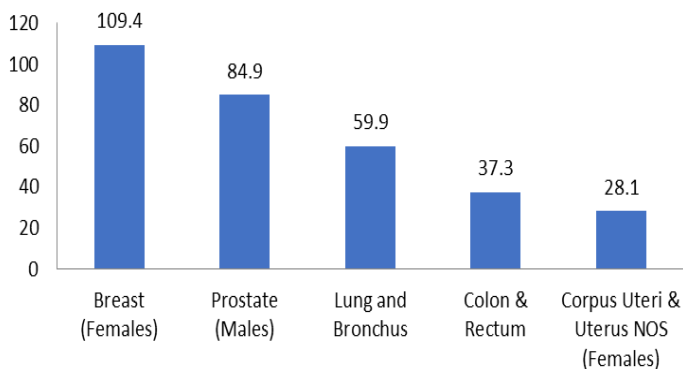
# YUBA COUNTY



## CLINICAL CARE

Clinical Care Measure	Yuba County (%)
Percentage of Adults with Routine Check up in Past 1 Year*	69.0%
Has a usual source of care*	89.2%
Ever had a colorectal endoscopy (50+)**	50.1%
Had a Pap Test in past 3 years (females 18+)**	72.2%
Had a mammogram in past 2 years (females 40+)**	58.1%

**Incidence Top Cancer Sites:  
Sierra & Yuba Counties (per 100,000)**



**Mortality Top Cancer Sites:  
Sierra & Yuba Counties (per 100,000)**

