



# 2022 COMMUNITY HEALTH NEEDS ASSESSMENT

Monterey County, California

Sponsored by

## **Monterey County Health Needs Collaborative**

- Community Hospital of the Monterey Peninsula
- Salinas Valley Memorial Hospital
- Mee Memorial Healthcare System
- Monterey County Health Department
- Natividad
- United Way Monterey County

With coordination from

## **Hospital Council of Northern & Central California**

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# INTRODUCTION

# PROJECT OVERVIEW

This Community Health Needs Assessment (CHNA) was conducted on behalf of the Monterey County Health Needs Collaborative, a partnership between Community Hospital of the Monterey Peninsula, Salinas Valley Memorial Healthcare System, Mee Memorial Healthcare System, Natividad, the Monterey County Health Department, and United Way Monterey County. The Hospital Council of Northern & Central California assisted in coordinating efforts related to the assessment process.

The Collaborative met monthly from November 2021 through September of 2022, established the goals for the assessment, common objectives across the collaborating institutions, developed the final survey in partnership with the consultants, compiled the list of key informants, and coordinated the communications efforts during the survey period and for the final assessment dissemination.

This report, as well as others produced for individual partners of the Collaborative, are available at [www.healthymontereycounty.org](http://www.healthymontereycounty.org).

## Project Goals

This assessment is a systematic, data-driven approach to determining the health status, behaviors, and needs of residents in Monterey County, California. Subsequently, this information may be used to inform decisions and guide efforts to improve community health and wellness.

A Community Health Needs Assessment provides information so that communities may identify issues of greatest concern and decide to commit resources to those areas, thereby making the greatest possible impact on community health status. This Community Health Needs Assessment will serve as a tool toward reaching three basic goals:

- To improve residents' health status, increase their life spans, and elevate their overall quality of life. A healthy community is not only one where its residents suffer little from physical and mental illness, but also one where its residents enjoy a high quality of life.
- To reduce the health disparities among residents. By gathering demographic information along with health status and behavior data, it will be possible to identify population segments that are most at-risk for various diseases and injuries. Intervention plans aimed at targeting these individuals may then be developed to combat some of the socio-economic factors that historically have had a negative impact on residents' health.
- To increase accessibility to preventive services for all community residents. More accessible preventive services will prove beneficial in accomplishing the first goal (improving health status, increasing life spans, and elevating the quality of life), as well as lowering the costs associated with caring for late-stage diseases resulting from a lack of preventive care.

This assessment was conducted by PRC, a nationally recognized health care consulting firm with extensive experience conducting Community Health Needs Assessments in hundreds of communities across the United States since 1994.

## Methodology

This assessment incorporates data from multiple sources, including primary research (through the PRC Community Health Survey and PRC Online Key Informant Survey), as well as secondary research (vital statistics and other existing health-related data). It also allows for comparison to benchmark data at the state and national levels.



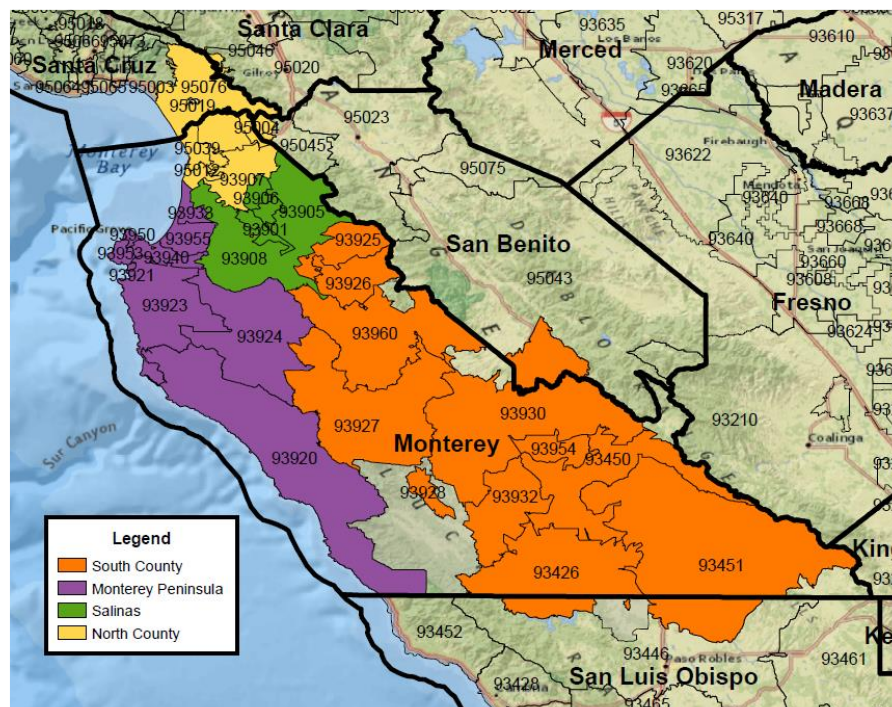
# PRC Community Health Survey

## Survey Instrument

The survey instrument used for this study is based largely on the Centers for Disease Control and Prevention (CDC) Behavioral Risk Factor Surveillance System (BRFSS), as well as various other public health surveys and customized questions addressing gaps in indicator data relative to health promotion and disease prevention objectives and other recognized health issues. The final survey instrument was developed by the Monterey County Health Needs Collaborative and PRC.

## Community Defined for This Assessment

The study area for the survey effort is defined as Monterey County, California, including all residential ZIP Codes with significant population within the county. For the purposes of this study, data are further segmented into ZIP Code groupings for South County, Monterey Peninsula, Salinas, and North County, as outlined in the following map.



## Sample Approach & Design

A precise and carefully executed methodology is critical in asserting the validity of the results gathered in the PRC Community Health Survey. Thus, to ensure the best representation of the population surveyed, a mixed-mode methodology was implemented. This included targeted surveys conducted by PRC via telephone (landline and cell phone) or through online questionnaires, as well as a community outreach component promoted by the study sponsors through social media posting and other communications. These surveys were administered and collected between March 2 and June 15, 2022.

**RANDOM-SAMPLE SURVEYS (PRC)** ► For the targeted administration, PRC administered 801 surveys at random among the various geographic strata.

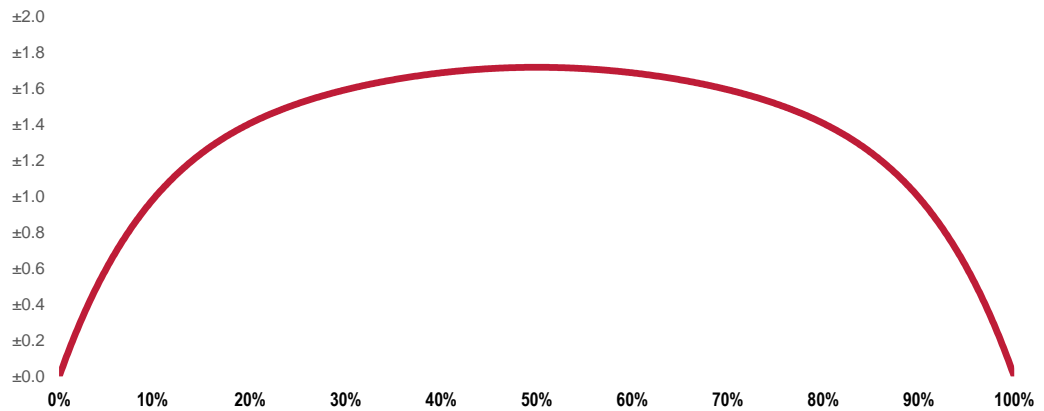
**COMMUNITY OUTREACH SURVEYS (Monterey County Health Needs Collaborative)** ► PRC also created a link to an online version of the survey, and the study sponsors promoted this link throughout the various communities in order to drive additional participation and bolster overall samples. This yielded an additional 2,348 surveys to the overall sample.



In all, 3,149 surveys were completed through these mechanisms, including 319 in South County, 1,885 in Monterey Peninsula, 699 in Salinas, and 246 in North County. Once the interviews were completed, these were weighted in proportion to the actual population distribution so as to appropriately represent Monterey County as a whole. All administration of the surveys, data collection, and data analysis was conducted by PRC.

For statistical purposes, for questions asked of all respondents, the maximum rate of error associated with a sample size of 3,149 respondents is  $\pm 1.7\%$  at the 95 percent confidence level.

### Expected Error Ranges for a Sample of 3,149 Respondents at the 95 Percent Level of Confidence



- Note:
- The "response rate" (the percentage of a population giving a particular response) determines the error rate associated with that response. A "95 percent level of confidence" indicates that responses would fall within the expected error range on 95 out of 100 trials.
- Examples:
- If 10% of the sample of 3,149 respondents answered a certain question with a "yes," it can be asserted that between 9.0% and 11.0% ( $10\% \pm 1.0\%$ ) of the total population would offer this response.
  - If 50% of respondents said "yes," one could be certain with a 95 percent level of confidence that between 48.3% and 51.7% ( $50\% \pm 1.7\%$ ) of the total population would respond "yes" if asked this question.

### Sample Characteristics

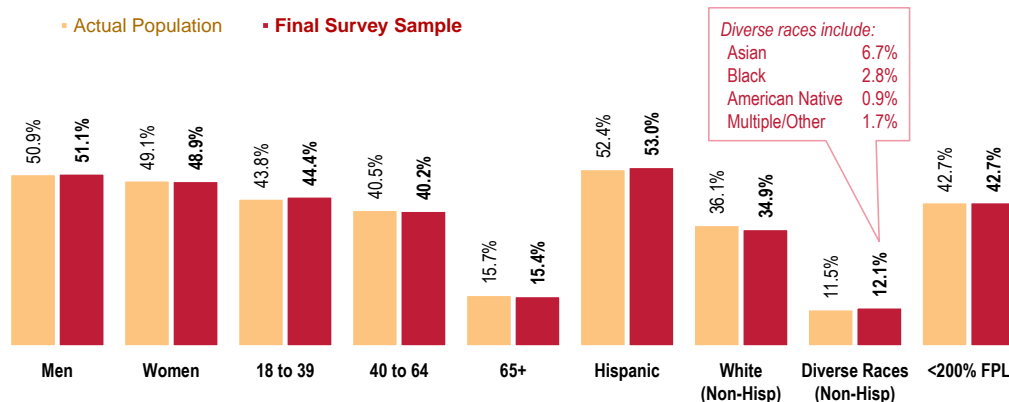
To accurately represent the population studied, PRC strives to minimize bias through application of a proven telephone methodology and random-selection techniques. While this random sampling of the population produces a highly representative sample, it is a common and preferred practice to "weight" the raw data to improve this representativeness even further. This is accomplished by adjusting the results of a random sample to match the geographic distribution and demographic characteristics of the population surveyed (poststratification), so as to eliminate any naturally occurring bias. Specifically, once the raw data are gathered, respondents are examined by key demographic characteristics (namely sex, age, race, ethnicity, and poverty status), and a statistical application package applies weighting variables that produce a sample which more closely matches the population for these characteristics. Thus, while the integrity of each individual's responses is maintained, one respondent's responses may contribute to the whole the same weight as, for example, 1.1 respondents. Another respondent, whose demographic characteristics may have been slightly oversampled, may contribute the same weight as 0.9 respondents.

The following chart outlines the characteristics of the Monterey County sample for key demographic variables, compared to actual population characteristics revealed in census data. [Note that the sample consisted solely of area residents age 18 and older; data on children were given by proxy by the person most responsible for that child's health care needs, and these children are not represented demographically in this chart.]





## Population & Survey Sample Characteristics (Monterey County, 2022)



Sources: 

- US Census Bureau, 2011-2015 American Community Survey.
- 2022 PRC Community Health Survey, PRC, Inc.

  
 Notes: 

- FPL is federal poverty level, based on guidelines established by the US Department of Health & Human Services.

The sample design and the quality control procedures used in the data collection ensure that the sample is representative. Thus, the findings may be generalized to the total population of community members in the defined area with a high degree of confidence.

### INCOME & RACE/ETHNICITY

**INCOME** ► Poverty descriptions and segmentation used in this report are based on administrative poverty thresholds determined by the US Department of Health & Human Services. These guidelines define poverty status by household income level and number of persons in the household (e.g., the 2021 guidelines place the poverty threshold for a family of four at \$26,500 annual household income or lower). In sample segmentation: “very low income” refers to community members living in a household with defined poverty status; “low income” refers to households with incomes just above the poverty level and earning up to twice (100%-199% of) the poverty threshold; and “mid/high income” refers to those households living on incomes which are twice or more (≥200% of) the federal poverty level.

**RACE & ETHNICITY** ► In analyzing survey results, mutually exclusive race and ethnicity categories are used. All Hispanic respondents are grouped, regardless of identity with any race group. Data are also detailed for persons who identify as White alone, Black alone, or Asian alone, without Hispanic ethnic origin.

### Online Key Informant Survey

To solicit input from key informants, those individuals who have a broad interest in the health of the community, an Online Key Informant Survey also was implemented as part of this process. A list of recommended participants was provided by the Monterey County Health Needs Collaborative; this list included names and contact information for physicians, public health representatives, other health professionals, social service providers, and a variety of other community leaders. Potential participants were chosen because of their ability to identify primary concerns of the populations with whom they work, as well as of the community overall.

Key informants were contacted by email, introducing the purpose of the survey and providing a link to take the survey online; reminder emails were sent as needed to increase participation. In all, 128 community leaders took part in the Online Key Informant Survey between March 17 and April 19, 2022, as outlined below:



## ONLINE KEY INFORMANT SURVEY PARTICIPATION

KEY INFORMANT TYPE	NUMBER PARTICIPATING
Physicians	23
Public Health Representatives	12
Other Health Providers	13
Social Services Providers	33
Other Community Leaders	47

Final participation included representatives of the organizations outlined below.

- Alisal Family Resource Centers
- All In Monterey
- Alliance on Aging
- Aspire Health
- Big Sur Health Center
- Blue Zones Project Monterey County
- Bright Beginnings
- Brighter Bites
- Building Healthy Communities
- Buttgereit-Pettitt & Davis Agency Inc
- California State Senate
- Cancer Patients Alliance
- Central California Alliance for Health
- Central Coast Labor Council
- Centro Binacional para el Desarrollo Indígena Oaxaqueño (CBDIO)
- City of Del Rey Oaks
- City of Gonzales
- City of Monterey
- City of Monterey Fire Department
- City of Pacific Grove
- City of Seaside
- Clinica de Salud
- Community Builders for Monterey County
- Community Foundation for Monterey County
- Community Hospital of the Monterey Peninsula
- Community Human Services
- Community Partnership for Youth
- California State University, Monterey Bay
- California State University, Monterey Bay - Bright Futures
- Cypress Healthcare Partners/Doctors on Duty
- Diora/Delicato Wines
- Eddington Funeral Services
- Farm Bureau
- Farmers insurance
- First 5 of Monterey County
- Gathering for Women
- Gonzales Adult School
- Grace Lutheran Church
- Greenfield High School
- Harmony at Home
- Hartnell College
- Hospice Giving Foundation
- Interim, Inc.
- Iron Ox
- King City
- Kobrinsky Group
- Legacy Real Estate



- Maurine Church Coburn School of Nursing
- Meals on Wheels of the Salinas Valley
- Mee Memorial Foundation
- MoGo Urgent Care
- Montage Health
- Montage Medical Group
- Monterey Bay Dental Associates
- Monterey Bay GI consultants
- Monterey Bay Independent Practice Association
- Monterey County Board of Supervisors
- Monterey County Eye Associates
- Monterey County Growers and Vintners
- Monterey County Health Department
- Monterey County Office of Education
- Monterey Peninsula College
- Monterey Peninsula Unified School District
- Mujeres en Accion
- Natividad
- Natividad Foundation
- Pinnacle Healthcare, King City
- Pinnacle Healthcare, Soledad
- Planned Parenthood Mar Monte
- Prescribe Safe Monterey County
- RotaCare
- Salinas Union High School District
- Salinas Valley Fair
- Salinas Valley Medical Clinic
- Salinas Valley Memorial Healthcare System
- Salinas Valley Memorial Hospital Foundation
- San Ardo School District
- San Lucas School District
- Santa Cruz and Monterey County
- Soledad Chamber of Commerce
- Soledad Community Health Care District
- Soledad Medical Clinic
- Soledad School District
- Sunstreet Centers, King City
- Teamsters Local 890
- The Carmel Foundation
- The Salvation Army Monterey Peninsula Corps
- United Methodist Church
- United Way Monterey County
- Visiting Nurses Association
- WIC South County
- YMCA
- YWCA

Through this process, input was gathered from several individuals whose organizations work with low-income, minority, or other medically underserved populations.

In the online survey, key informants were asked to rate the degree to which various health issues are a problem in their own community. Follow-up questions asked them to describe why they identify problem areas as such and how these might better be addressed. Results of their ratings, as well as their verbatim comments, are included throughout this report as they relate to the various other data presented.

NOTE: These findings represent qualitative rather than quantitative data. The Online Key Informant Survey was designed to gather input regarding participants' opinions and perceptions of the health needs of the residents in the area.



## Public Health, Vital Statistics & Other Data

A variety of existing (secondary) data sources was consulted to complement the research quality of this Community Health Needs Assessment. Data for Monterey County were obtained from the following sources (specific citations are included with the graphs throughout this report):

- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension, SparkMap (sparkmap.org)
- Centers for Disease Control & Prevention, Office of Infectious Disease, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention
- Centers for Disease Control & Prevention, Office of Public Health Science Services, Center for Surveillance, Epidemiology and Laboratory Services, Division of Health Informatics and Surveillance (DHIS)
- Centers for Disease Control & Prevention, Office of Public Health Science Services, National Center for Health Statistics
- ESRI ArcGIS Map Gallery
- National Cancer Institute, State Cancer Profiles
- OpenStreetMap (OSM)
- US Census Bureau, American Community Survey
- US Census Bureau, County Business Patterns
- US Census Bureau, Decennial Census
- US Department of Agriculture, Economic Research Service
- US Department of Health & Human Services
- US Department of Health & Human Services, Health Resources and Services Administration (HRSA)
- US Department of Justice, Federal Bureau of Investigation
- US Department of Labor, Bureau of Labor Statistics

## Benchmark Data

### California Risk Factor Data

Statewide risk factor data are provided where available as an additional benchmark against which to compare local survey findings; these data represent the most recent *BRFSS (Behavioral Risk Factor Surveillance System) Prevalence and Trends Data* published online by the Centers for Disease Control and Prevention. State-level vital statistics are also provided for comparison of secondary data indicators.

### Nationwide Risk Factor Data

Nationwide risk factor data, which are also provided in comparison charts, are taken from the *2020 PRC National Health Survey*; the methodological approach for the national study is similar to that employed in this assessment, and these data may be generalized to the US population with a high degree of confidence. National-level vital statistics are also provided for comparison of secondary data indicators.



## Healthy People 2030

Healthy People provides 10-year, measurable public health objectives — and tools to help track progress toward achieving them. Healthy People identifies public health priorities to help individuals, organizations, and communities across the United States improve health and well-being. Healthy People 2030, the initiative’s fifth iteration, builds on knowledge gained over the first four decades.



Healthy People 2030’s overarching goals are to:

- Attain healthy, thriving lives and well-being free of preventable disease, disability, injury, and premature death.
- Eliminate health disparities, achieve health equity, and attain health literacy to improve the health and well-being of all.
- Create social, physical, and economic environments that promote attaining the full potential for health and well-being for all.
- Promote healthy development, healthy behaviors, and well-being across all life stages.
- Engage leadership, key constituents, and the public across multiple sectors to take action and design policies that improve the health and well-being of all.

The Healthy People 2030 framework was based on recommendations made by the Secretary’s Advisory Committee on National Health Promotion and Disease Prevention Objectives for 2030. After getting feedback from individuals and organizations and input from subject matter experts, the U.S. Department of Health and Human Services (HHS) approved the framework which helped guide the selection of Healthy People 2030 objectives.

## Determining Significance

Differences noted in this report represent those determined to be significant. For survey-derived indicators (which are subject to sampling error), statistical significance is determined based on confidence intervals (at the 95 percent confidence level), using question-specific samples and response rates. For the purpose of this report, “significance” of secondary data indicators (which do not carry sampling error but might be subject to reporting error) is determined by a 15% variation from the comparative measure.

## Information Gaps

While this assessment is quite comprehensive, it cannot measure all possible aspects of health in the community, nor can it adequately represent all possible populations of interest. It must be recognized that these information gaps might in some ways limit the ability to assess all of the community’s health needs.

For example, certain population groups — such as persons experiencing homelessness, institutionalized persons, or those who only speak a language other than English or Spanish — are not represented in the survey data. Other population groups — for example, pregnant women, undocumented residents, and members of certain racial/ethnic or immigrant groups — might not be identifiable or might not be represented in numbers sufficient for independent analyses.

In terms of content, this assessment was designed to provide a comprehensive and broad picture of the health of the overall community. However, there are certainly medical conditions that are not specifically addressed.



# SUMMARY OF FINDINGS

## Significant Health Needs of the Community

The following “Areas of Opportunity” represent the significant health needs of the community, based on the information gathered through this Community Health Needs Assessment. From these data, opportunities for health improvement exist in the county with regard to the following health issues (see also the summary tables presented in the following section).

The Areas of Opportunity were determined after consideration of various criteria, including: standing in comparison with benchmark data (particularly national data); the preponderance of significant findings within topic areas; the magnitude of the issue in terms of the number of persons affected; and the potential health impact of a given issue. These also take into account those issues of greatest concern to the community leaders (key informants) giving input to this process.

AREAS OF OPPORTUNITY IDENTIFIED THROUGH THIS ASSESSMENT	
ACCESS TO HEALTH CARE SERVICES	<ul style="list-style-type: none"> <li>▪ Barriers to Access                             <ul style="list-style-type: none"> <li>– Inconvenient Office Hours</li> <li>– Cost of Prescriptions</li> <li>– Cost of Physician Visits</li> <li>– Appointment Availability</li> <li>– Finding a Physician</li> <li>– Lack of Transportation</li> <li>– Culture/Language</li> </ul> </li> <li>▪ Skipping/Stretching Prescriptions</li> <li>▪ Financial Resilience</li> <li>▪ Access to Primary Care</li> <li>▪ Routine Medical Care (Adults)</li> <li>▪ Ratings of Local Health Care</li> </ul>
CANCER	<ul style="list-style-type: none"> <li>▪ Leading Cause of Death</li> </ul>
DIABETES	<ul style="list-style-type: none"> <li>▪ Prevalence of Borderline/Pre-Diabetes</li> <li>▪ Kidney Disease Deaths</li> <li>▪ Key Informants: Diabetes ranked as a top concern.</li> </ul>
HEART DISEASE & STROKE	<ul style="list-style-type: none"> <li>▪ Leading Cause of Death</li> <li>▪ High Blood Cholesterol Prevalence</li> <li>▪ Overall Cardiovascular Risk</li> </ul>
HOUSING	<ul style="list-style-type: none"> <li>▪ Financial Resilience</li> <li>▪ Housing Instability</li> <li>▪ Housing Conditions</li> </ul>
INFANT HEALTH & FAMILY PLANNING	<ul style="list-style-type: none"> <li>▪ Teen Births</li> </ul>
INJURY & VIOLENCE	<ul style="list-style-type: none"> <li>▪ Unintentional Injury Deaths</li> </ul>

—continued on the next page—



## AREAS OF OPPORTUNITY (continued)

MENTAL HEALTH	<ul style="list-style-type: none"> <li>▪ “Fair/Poor” Mental Health</li> <li>▪ Diagnosed Depression</li> <li>▪ Symptoms of Chronic Depression</li> <li>▪ Stress</li> <li>▪ Suicides</li> <li>▪ Difficulty Obtaining Mental Health Services</li> <li>▪ Child (Age 5-17) Needed Mental Health Services</li> <li>▪ Parental Awareness of Resources for Children</li> <li>▪ Key Informants: Mental health ranked as a top concern.</li> </ul>
NUTRITION, PHYSICAL ACTIVITY & WEIGHT	<ul style="list-style-type: none"> <li>▪ Food Insecurity</li> <li>▪ Difficulty Accessing Fresh Produce</li> <li>▪ Children’s Physical Activity</li> <li>▪ Access to Recreation/Fitness Facilities</li> <li>▪ Overweight &amp; Obesity [Adults &amp; Children]</li> <li>▪ Key Informants: Nutrition, physical activity, and weight ranked as a top concern.</li> </ul>
POTENTIALLY DISABLING CONDITIONS	<ul style="list-style-type: none"> <li>▪ Multiple Chronic Conditions</li> <li>▪ Activity Limitations</li> <li>▪ High-Impact Chronic Pain</li> <li>▪ Alzheimer’s Disease Deaths</li> <li>▪ Caregiving</li> </ul>
SUBSTANCE USE	<ul style="list-style-type: none"> <li>▪ Cirrhosis/Liver Disease Deaths</li> <li>▪ Unintentional Drug-Induced Deaths</li> <li>▪ Illicit Drug Use</li> <li>▪ Personally Impacted by Substance Use (Self or Other’s)</li> <li>▪ Key Informants: Substance use ranked as a top concern.</li> </ul>

## Community Feedback on Prioritization of Health Needs

On September 15, 2022, the partners of the Monterey County Health Needs Collaborative convened an online meeting attended by 136 community leaders (representing a cross-section of community-based providers, agencies, and organizations) to evaluate, discuss, and prioritize health issues for Monterey County, based on findings of this Community Health Needs Assessment (CHNA). Professional Research Consultants, Inc. (PRC) began the meeting with a presentation of key findings from the CHNA, highlighting the significant health issues identified from the research (see Areas of Opportunity above). Following the data review, PRC answered any questions. Finally, participants were provided an overview of the prioritization exercise that followed.

In order to assign priority to the identified health needs (i.e., Areas of Opportunity), an online voting platform was used in which each participant was able to register his/her ratings using a mobile device or web browser. The participants were asked to evaluate each health issue along two criteria:

- **Scope & Severity** — The first rating was to gauge the magnitude of the problem in consideration of the following:
  - How many people are affected?
  - How does the local community data compare to state or national levels, or Healthy People 2030 targets?
  - To what degree does each health issue lead to death or disability, impair quality of life, or impact other health issues?



Ratings were entered on a scale of 1 (not very prevalent at all, with only minimal health consequences) to 10 (extremely prevalent, with very serious health consequences).

- **Ability to Impact** — A second rating was designed to measure the perceived likelihood of the hospital having a positive impact on each health issue, given available resources, competencies, spheres of influence, etc. Ratings were entered on a scale of 1 (no ability to impact) to 10 (great ability to impact).

Individuals' ratings for each criteria were averaged for each tested health issue, and then these composite criteria scores were averaged to produce an overall score. This process yielded the following prioritized list of community health needs for Monterey County:

1. Diabetes
2. Mental Health
3. Access to Health Care Services
4. Nutrition, Physical Activity & Weight
5. Heart Disease & Stroke
6. Substance Use
7. Housing
8. Infant Health & Family Planning
9. Injury & Violence
10. Cancer
11. Potentially Disabling Conditions





# Summary Tables: Comparisons With Benchmark Data

## Reading the Summary Tables

- In the following tables, Monterey County results are shown in the larger, gray column.
- The columns to the left of the Monterey County column provide comparisons among the four county subareas, identifying differences for each as “better than” (☀️), “worse than” (🌧️), or “similar to” (☁️) the combined opposing areas.
- The columns to the right of the Monterey County column provide trending (for secondary data), as well as comparisons between local data and any available state and national findings, and Healthy People 2030 objectives. Again, symbols indicate whether Monterey County compares favorably (☀️), unfavorably (🌧️), or comparably (☁️) to these external data.

### TREND SUMMARY





























(Current vs. Baseline Data)














Trends for secondary data indicators (e.g., public health data) represent point-to-point changes between the most current reporting period and the earliest presented in this report (typically representing the span of roughly a decade).

Note that blank table cells signify that data are not available or are not reliable for that area and/or for that indicator.

*Tip: Indicator labels beginning with a “%” symbol are taken from the PRC Community Health Survey; the remaining indicators are taken from secondary data sources.*







SOCIAL DETERMINANTS	DISPARITY AMONG SUBAREAS			
	South County	Monterey Peninsula	Salinas	North County
Linguistically Isolated Population (Percent)				
Population in Poverty (Percent)				
Children in Poverty (Percent)				
No High School Diploma (Age 25+, Percent)				
% Unable to Pay Cash for a \$400 Emergency Expense	 35.3	 24.0	 34.0	 33.3
% HH Member Lost Job, Wages, Insurance Due to Pandemic	 34.1	 31.6	 33.6	 40.3
% Worry/Stress Over Rent/Mortgage in Past Year	 52.2	 35.1	 46.5	 45.6
% Multi-Generational Housing	 18.8	 7.6	 24.1	 15.9
% Share Housing Expenses With Non-Family	 12.2	 11.1	 10.7	 6.7
% Unhealthy/Unsafe Housing Conditions	 16.6	 20.6	 27.0	 15.9
% Food Insecure	 51.5	 27.9	 43.8	 45.2

Monterey County	MONTEREY CO. vs. BENCHMARKS			TREND
	vs. CA	vs. US	vs. HP2030	
12.1	 7.7	 4.1		
12.0	 12.6	 12.8	 8.0	
18.4	 16.8	 17.5	 8.0	
27.0	 16.1	 11.5		
31.2		 24.6		
34.7				
44.0		 32.2		
16.5				
10.1				
20.8		 12.2		
40.8		 34.1		

Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.






 better    
  similar    
  worse

DISPARITY AMONG SUBAREAS





























OVERALL HEALTH	South County	Monterey Peninsula	Salinas	North County
% "Fair/Poor" Overall Health	 22.9	 15.7	 21.5	 16.0

Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.











MONTEREY CO. vs. BENCHMARKS









































Monterey County	vs. CA	vs. US	vs. HP2030	TREND
18.8	 14.9	 12.6		
	 better	 similar	 worse	

DISPARITY AMONG SUBAREAS

ACCESS TO HEALTH CARE	South County	Monterey Peninsula	Salinas	North County
% [Age 18-64] Lack Health Insurance	 12.1	 6.5	 10.3	 5.2
% Difficulty Accessing Health Care in Past Year (Composite)	 71.8	 71.2	 68.5	 85.6
% Cost Prevented Physician Visit in Past Year	 35.7	 22.1	 26.2	 39.0
% Cost Prevented Getting Prescription in Past Year	 28.4	 18.5	 24.3	 30.3
% Difficulty Getting Appointment in Past Year	 48.6	 51.9	 51.0	 59.2
% Inconvenient Hrs Prevented Dr Visit in Past Year	 35.4	 22.4	 33.5	 46.5
% Difficulty Finding Physician in Past Year	 36.0	 40.0	 31.6	 36.7

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
8.4	 13.2	 8.7	 7.9	
73.9		 35.0		
29.6	 8.6	 12.9		
24.7		 12.8		
52.8		 14.5		
33.8		 12.5		
36.0		 9.4		



























ACCESS TO HEALTH CARE (continued)	DISPARITY AMONG SUBAREAS			
	South County	Monterey Peninsula	Salinas	North County
% Transportation Hindered Dr Visit in Past Year	 21.5	 8.2	 13.2	 13.0
% Language/Culture Prevented Care in Past Year	 7.4	 2.6	 7.9	 3.7
% Skipped Prescription Doses to Save Costs	 26.7	 16.1	 17.8	 18.4
% Difficulty Getting Child's Health Care in Past Year	 10.2	 14.7	 15.1	 6.2
Primary Care Doctors per 100,000				
% Have a Specific Source of Ongoing Care	 64.1	 69.3	 74.6	 80.2
% Have Had Routine Checkup in Past Year	 50.2	 59.4	 59.3	 73.9
% Child Has Had Checkup in Past Year	 82.7	 80.8	 88.2	 95.2
% Two or More ER Visits in Past Year	 12.8	 13.3	 11.7	 9.1
% Low Health Literacy	 30.4	 18.5	 31.4	 30.2
% Rate Local Health Care "Fair/Poor"	 32.7	 20.8	 24.0	 19.4

Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

















Monterey County	MONTEREY CO. vs. BENCHMARKS			
	vs. CA	vs. US	vs. HP2030	TREND
13.1		 8.9		
5.3		 2.8		
18.9		 12.7		
11.3		 8.0		
87.5	 98.9	 102.7		
72.7		 74.2	 84.0	
61.3	 65.6	 70.5		
87.9		 77.4		
11.7		 10.1		
27.2		 27.7		
23.4		 8.0		

 better    
  similar    
  worse

CANCER	DISPARITY AMONG SUBAREAS			
	South County	Monterey Peninsula	Salinas	North County
Cancer (Age-Adjusted Death Rate)				
Lung Cancer (Age-Adjusted Death Rate)				
Prostate Cancer (Age-Adjusted Death Rate)				
Female Breast Cancer (Age-Adjusted Death Rate)				
Colorectal Cancer (Age-Adjusted Death Rate)				
Cancer Incidence Rate (All Sites)				
Female Breast Cancer Incidence Rate				
Prostate Cancer Incidence Rate				
Lung Cancer Incidence Rate				
Colorectal Cancer Incidence Rate				












Monterey County	MONTEREY CO. vs. BENCHMARKS			
	vs. CA	vs. US	vs. HP2030	TREND
<b>116.7</b>	 132.3	 146.5	 122.7	 140.0
<b>20.1</b>	 23.7	 33.4	 25.1	
<b>15.9</b>	 19.6	 18.5	 16.9	
<b>13.9</b>	 18.7	 19.4	 15.3	
<b>10.2</b>	 12.2	 13.1	 8.9	
<b>390.8</b>	 402.4	 448.6		
<b>117.8</b>	 121.8	 126.8		
<b>96.4</b>	 92.3	 106.2		
<b>34.9</b>	 40.3	 57.3		
<b>31.5</b>	 34.8	 38.0		

DISPARITY AMONG SUBAREAS

CANCER (continued)	South County	Monterey Peninsula	Salinas	North County
% Cancer	 2.9	 10.6	 10.5	 7.0
% [Women 50-74] Mammogram in Past 2 Years	 72.3	 78.1	 83.5	 94.8
% [Women 21-65] Cervical Cancer Screening	 75.9	 82.5	 82.3	 72.2
% [Age 50-75] Colorectal Cancer Screening	 66.4	 77.9	 78.8	 64.6













Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
8.4	 9.8	 10.0		
82.6	 76.3	 76.1	 77.1	
79.1	 79.3	 73.8	 84.3	
73.5	 59.5	 77.4	 74.4	








 better     similar     worse

DISPARITY AMONG SUBAREAS

DIABETES	South County	Monterey Peninsula	Salinas	North County
Diabetes (Age-Adjusted Death Rate)				
% Diabetes/High Blood Sugar	 6.8	 9.9	 14.9	 7.7
% Borderline/Pre-Diabetes	 12.7	 16.0	 21.6	 8.3
% [Non-Diabetics] Blood Sugar Tested in Past 3 Years	 41.6	 49.9	 48.3	 28.6





















Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
17.1	 22.9	 22.6		 18.8
10.4	 9.8	 13.8		
15.3		 9.7		
42.7		 43.3		
















 better     similar     worse

DISPARITY AMONG SUBAREAS

HEART DISEASE & STROKE	South County	Monterey Peninsula	Salinas	North County
Diseases of the Heart (Age-Adjusted Death Rate)				
% Heart Disease (Heart Attack, Angina, Coronary Disease)	 4.5	 6.7	 8.4	 5.9
Stroke (Age-Adjusted Death Rate)				
% Stroke	 2.4	 2.4	 4.4	 2.4
% Told Have High Blood Pressure	 28.9	 41.6	 39.6	 31.0
% Told Have High Cholesterol	 36.8	 39.6	 41.1	 32.7
% 1+ Cardiovascular Risk Factor	 91.0	 83.4	 89.6	 85.8

Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
<b>109.3</b>	 140.2	 164.4	 127.4	 125.2
<b>6.7</b>	 5.0	 6.1		
<b>34.5</b>	 37.8	 37.6	 33.4	 39.0
<b>3.0</b>	 2.9	 4.3		
<b>36.3</b>	 27.8	 36.9	 27.7	
<b>37.9</b>		 32.7		
<b>87.2</b>		 84.6		

  
better

  
similar

  
worse

DISPARITY AMONG SUBAREAS

INFANT HEALTH & FAMILY PLANNING	South County	Monterey Peninsula	Salinas	North County
No Prenatal Care in First Trimester (Percent)				
Low Birthweight Births (Percent)				
Infant Death Rate				
Births to Adolescents Age 15 to 19 (Rate per 1,000)				

Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
18.5	17.6	22.3		29.1
6.2	6.9	8.2		
4.1	3.9	5.5	5.0	4.6
28.2	17.4	20.9		

better      similar      worse

DISPARITY AMONG SUBAREAS









INJURY & VIOLENCE	South County	Monterey Peninsula	Salinas	North County
Unintentional Injury (Age-Adjusted Death Rate)				
Motor Vehicle Crashes (Age-Adjusted Death Rate)				
[65+] Falls (Age-Adjusted Death Rate)				
Firearm-Related Deaths (Age-Adjusted Death Rate)				

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
41.6	37.9	51.6	43.2	31.3
10.5	9.9	11.4	10.1	
40.0	41.4	67.1	63.4	
7.7	7.7	12.5	10.7	







DISPARITY AMONG SUBAREAS

INJURY & VIOLENCE (continued)	South County	Monterey Peninsula	Salinas	North County
Homicide (Age-Adjusted Death Rate)				
Violent Crime Rate				
% Victim of Violent Crime in Past 5 Years	 6.2	 3.7	 7.6	 10.9
% Victim of Intimate Partner Violence	 14.4	 15.4	 16.8	 11.8

Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

 better       similar       worse









DISPARITY AMONG SUBAREAS

KIDNEY DISEASE	South County	Monterey Peninsula	Salinas	North County
Kidney Disease (Age-Adjusted Death Rate)				
% Kidney Disease	 5.2	 5.9	 4.8	 0.9






Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

 better       similar       worse

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
5.0	 5.1	 6.1	 5.5	 9.5
424.6	 440.5	 416.0		
7.1		 6.2		
14.8		 13.7		

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
9.5	 9.1	 12.8		 7.5
4.3	 2.8	 5.0		

 better       similar       worse

MENTAL HEALTH	DISPARITY AMONG SUBAREAS			
	South County	Monterey Peninsula	Salinas	North County
% "Fair/Poor" Mental Health	34.2	25.1	33.3	46.6
% Diagnosed Depression	17.5	28.7	26.9	21.8
% Symptoms of Chronic Depression (2+ Years)	48.2	42.4	53.0	61.5
% Typical Day Is "Extremely/Very" Stressful	15.8	19.4	22.0	16.8
Suicide (Age-Adjusted Death Rate)				
Mental Health Providers per 100,000				
% Taking Rx/Receiving Mental Health Trtmt	12.6	18.8	18.0	8.0
% Unable to Get Mental Health Svcs in Past Yr	14.7	14.8	18.0	27.6
% [Age 5-17] Child Needed Mental Health Services in the Past Year	11.7	22.0	18.2	34.3
% [Age 5-17] Child Has Taken Prescribed Meds for Mental Health	2.8	9.5	9.7	26.3
% [Age 5-17] Aware of Mental Health Resources for Children	51.2	64.1	52.1	39.2

Monterey County	MONTEREY CO. vs. BENCHMARKS			
	vs. CA	vs. US	vs. HP2030	TREND
34.3		13.4		
24.6	14.1	20.6		
51.2		30.3		
18.9		16.1		
9.7	10.5	13.9	12.8	8.1
145.1	144.3	126.0		
14.9		16.8		
18.8		7.8		
22.4		17.1		
13.2		12.5		
50.0		70.2		

Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.







































better



similar







worse

NUTRITION, PHYSICAL ACTIVITY & WEIGHT	DISPARITY AMONG SUBAREAS			
	South County	Monterey Peninsula	Salinas	North County
Population With Low Food Access (Percent)				
% "Very/Somewhat" Difficult to Buy Fresh Produce	 33.3	 23.5	 32.3	 23.8
% 5+ Servings of Fruits/Vegetables per Day	 34.1	 35.6	 32.4	 26.1
% 7+ Sugar-Sweetened Drinks in Past Week	 24.1	 14.3	 16.0	 30.8
% No Leisure-Time Physical Activity	 30.3	 16.6	 26.8	 32.5
% Meeting Physical Activity Guidelines	 25.6	 31.4	 25.1	 35.8
% Child [Age 2-17] Physically Active 1+ Hours per Day	 28.0	 34.8	 25.8	 14.9
Recreation/Fitness Facilities per 100,000				
% Overweight (BMI 25+)	 76.8	 61.5	 73.2	 73.2
% Obese (BMI 30+)	 41.3	 31.0	 42.4	 55.4
% Children [Age 5-17] Overweight (85th Percentile)	 53.0	 31.5	 48.5	 36.4



Monterey County	MONTEREY CO. vs. BENCHMARKS			
	vs. CA	vs. US	vs. HP2030	TREND
16.6	 13.3	 22.2		
28.0		 21.1		
32.1		 32.7		
20.5				
25.8	 21.2	 31.3	 21.2	
29.6	 22.6	 21.4	 28.4	
24.4		 33.0		
8.7	 12.4	 12.2		
70.4	 64.0	 61.0		
42.0	 30.3	 31.3	 36.0	
42.7		 32.3		

DISPARITY AMONG SUBAREAS

NUTRITION, PHYSICAL ACTIVITY & WEIGHT (continued)	South County	Monterey Peninsula	Salinas	North County
% Children [Age 5-17] Obese (95th Percentile)	 30.7	 15.0	 34.4	 10.3













Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
22.4		 16.0	 15.5	








 better       similar       worse

DISPARITY AMONG SUBAREAS

ORAL HEALTH	South County	Monterey Peninsula	Salinas	North County
% Have Dental Insurance	 74.0	 66.7	 75.3	 71.2
% [Age 18+] Dental Visit in Past Year	 46.9	 66.5	 55.3	 66.9
% Child [Age 2-17] Dental Visit in Past Year	 78.0	 73.2	 79.7	 89.4

















Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
71.6		 68.7	 59.8	
59.9	 64.7	 62.0	 45.0	
81.3		 72.1	 45.0	

 better       similar       worse









DISPARITY AMONG SUBAREAS

POTENTIALLY DISABLING CONDITIONS	South County	Monterey Peninsula	Salinas	North County
% 3+ Chronic Conditions	 27.7	 37.6	 42.6	 40.8
% Activity Limitations	 29.8	 32.2	 29.9	 25.2
% With High-Impact Chronic Pain	 17.4	 19.7	 20.3	 19.3
Alzheimer's Disease (Age-Adjusted Death Rate)				
% Caregiver to a Friend/Family Member	 23.5	 26.7	 30.3	 21.6









Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

 better     similar     worse











MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
38.2		 32.5		
29.4		 24.0		
19.4		 14.1	 7.0	
25.1	 38.2	 30.9		 19.8
26.1		 22.6		













DISPARITY AMONG SUBAREAS

RESPIRATORY DISEASE	South County	Monterey Peninsula	Salinas	North County
CLRD (Age-Adjusted Death Rate)				
Pneumonia/Influenza (Age-Adjusted Death Rate)				
% [Age 65+] Flu Vaccine in Past Year	 74.2	 83.6	 81.4	 92.6
% [Adult] Asthma	 7.2	 12.6	 15.5	 15.8

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
24.1	 29.3	 38.1		 27.8
10.6	 13.8	 13.4		 12.9
84.1	 68.8	 71.0		
13.3	 9.3	 12.9		






DISPARITY AMONG SUBAREAS

RESPIRATORY DISEASE (continued)	South County	Monterey Peninsula	Salinas	North County
% [Child 0-17] Asthma	 5.8	 6.7	 11.2	 2.0
% COPD (Lung Disease)	 6.1	 7.5	 7.5	 3.0
COVID-19 (Age-Adjusted Death Rate)				
% Fully/Partially Vaccinated for COVID-19	 88.5	 92.3	 90.6	 82.6

Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

 better     similar     worse

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
6.5		 7.8		
6.2	 5.4	 6.4		
53.8	 68.7	 85.0		
88.9				












DISPARITY AMONG SUBAREAS

SEXUAL HEALTH	South County	Monterey Peninsula	Salinas	North County
HIV/AIDS (Age-Adjusted Death Rate)				
HIV Prevalence Rate				
Chlamydia Incidence Rate				
Gonorrhea Incidence Rate				





















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 better     similar     worse

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
1.1	 1.7	 1.8		
206.8	 395.9	 372.8		 174.8
510.4	 585.3	 539.9		 299.9
98.7	 200.3	 179.1		 45.4

DISPARITY AMONG SUBAREAS

SUBSTANCE ABUSE	South County	Monterey Peninsula	Salinas	North County
Cirrhosis/Liver Disease (Age-Adjusted Death Rate)				
% Excessive Drinker	 27.2	 25.1	 23.1	 28.6
Unintentional Drug-Related Deaths (Age-Adjusted Death Rate)				
% Illicit Drug Use in Past Month	 2.8	 4.2	 3.6	 14.2
% Used a Prescription Opioid in Past Year	 11.1	 16.0	 7.0	 11.0
% Ever Sought Help for Alcohol or Drug Problem	 4.4	 7.7	 4.3	 1.7
% Personally Impacted by Substance Use	 28.8	 49.6	 45.5	 30.8

















Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
12.4	 12.8	 11.9	 10.9	 10.3
25.6	 18.0	 27.2		
15.2	 15.2	 21.0		 9.9
6.1		 2.0	 12.0	
11.2		 12.9		
4.7		 5.4		
40.3		 35.8		







 better       similar       worse

DISPARITY AMONG SUBAREAS

TOBACCO USE	South County	Monterey Peninsula	Salinas	North County
% Current Smoker	 7.4	 7.3	 6.4	 8.6
% Someone Smokes at Home	 10.1	 9.0	 10.0	 9.0
% [Household With Children] Someone Smokes in the Home	 11.4	 11.8	 13.8	 6.7
% Currently Use Vaping Products	 3.7	 8.3	 6.6	 5.4

Note: In the section above, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.

MONTEREY CO. vs. BENCHMARKS

Monterey County	vs. CA	vs. US	vs. HP2030	TREND
7.3	 8.9	 17.4	 5.0	
9.5		 14.6		
10.8		 17.4		
6.3		 8.9		

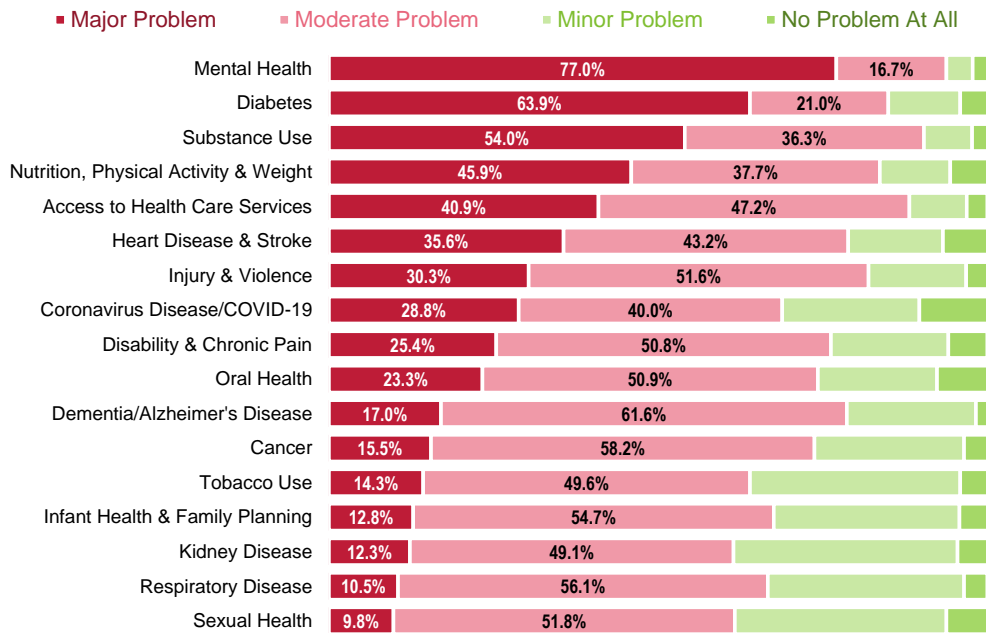
 better     
  similar     
  worse



## Summary of Key Informant Perceptions

In the Online Key Informant Survey, community leaders were asked to rate the degree to which each of 17 health issues is a problem in their own community, using a scale of “major problem,” “moderate problem,” “minor problem,” or “no problem at all.” The following chart summarizes their responses; these findings also are outlined throughout this report, along with the qualitative input describing reasons for their concerns. (Note that these ratings alone do not establish priorities for this assessment; rather, they are one of several data inputs considered for the prioritization process described earlier.)

### Key Informants: Relative Position of Health Topics as Problems in the Community





# COMMUNITY DESCRIPTION

# POPULATION CHARACTERISTICS

## Total Population

Monterey County, the focus of this Community Health Needs Assessment, encompasses 3,281.72 square miles and houses a total population of 432,977 residents, according to latest census estimates.

Total Population  
(Estimated Population, 2016-2020)

	TOTAL POPULATION	TOTAL LAND AREA (square miles)	POPULATION DENSITY (per square mile)
Monterey County	432,977	3,281.72	132
California	39,346,023	155,858.32	252
United States	326,569,308	3,533,038.14	92

Sources: 

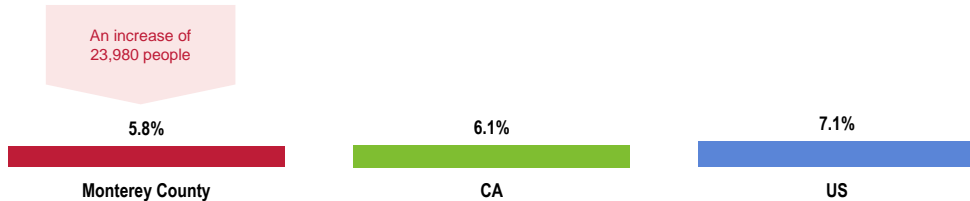
- US Census Bureau American Community Survey 5-year estimates.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

## Population Change 2010-2020

A significant positive or negative shift in total population over time impacts health care providers and the utilization of community resources.

**Between the 2010 and 2020 US Censuses, the population of Monterey County increased by 23,980 persons, or 5.8%.**

Change in Total Population  
(Percentage Change Between 2010 and 2020)



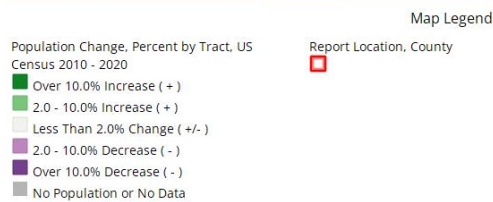
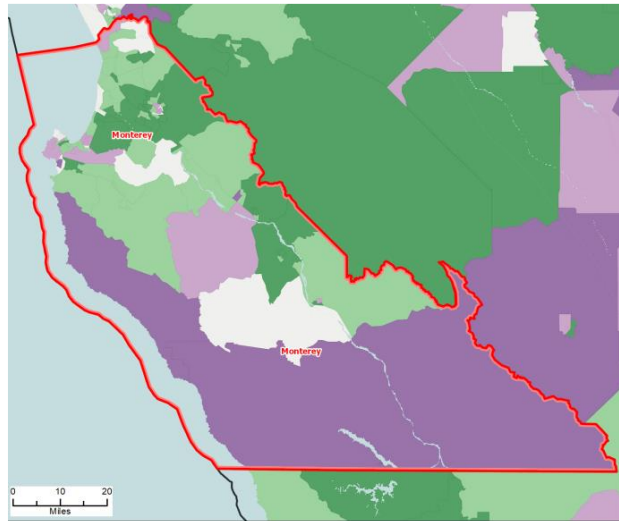
Sources: 

- US Census Bureau Decennial Census (2010-2020).
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

  
Notes: 

- A significant positive or negative shift in total population over time impacts health care providers and the utilization of community resources.





SparkMap

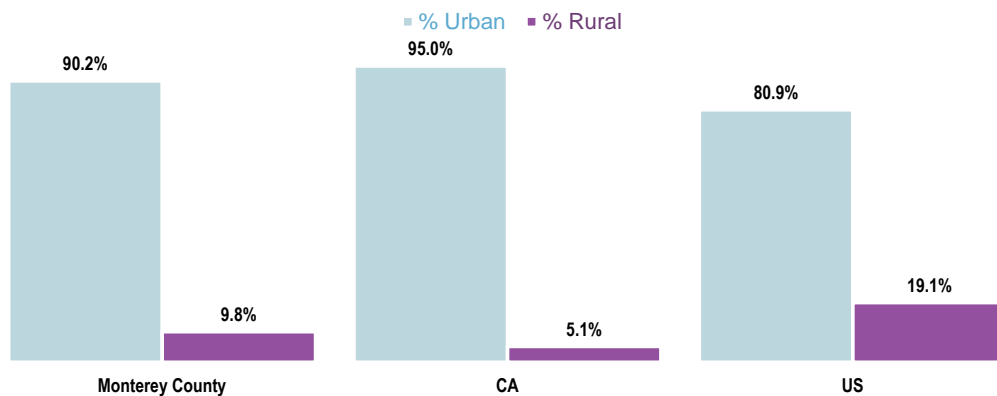
## Urban/Rural Population

Urban areas are identified using population density, count, and size thresholds. Urban areas also include territory with a high degree of impervious surface (development). Rural areas are all areas that are not urban.

**Monterey County is predominantly urban, with 90.2% of the population living in areas designated as urban.**

**BENCHMARK** ► Monterey County is slightly less urban than California, but more urban than the United States overall.

### Urban and Rural Population (2010)

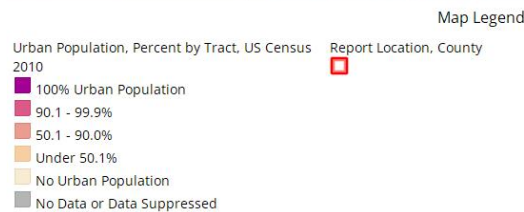
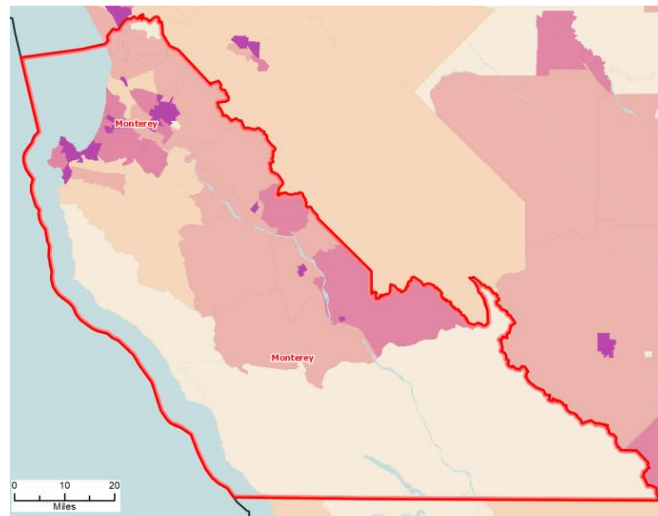


Sources: • US Census Bureau Decennial Census.  
• Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

Notes: • This indicator reports the percentage of population living in urban and rural areas. Urban areas are identified using population density, count, and size thresholds. Urban areas also include territory with a high degree of impervious surface (development). Rural areas are all areas that are not urban.



Note the following map, outlining the urban population in Monterey County.



SparkMap

## Age

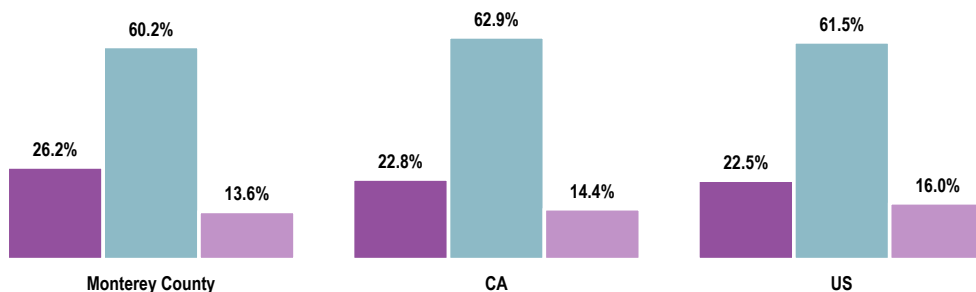
It is important to understand the age distribution of the population, as different age groups have unique health needs that should be considered separately from others along the age spectrum.

**In Monterey County, 26.2% of the population are children age 0-17; another 60.2% are age 18 to 64, while 13.6% are age 65 and older.**

**BENCHMARK** ► Monterey County skews slightly younger than the state and nation.

### Total Population by Age Groups (2016-2020)

■ Age 0-17 ■ Age 18-64 ■ Age 65+

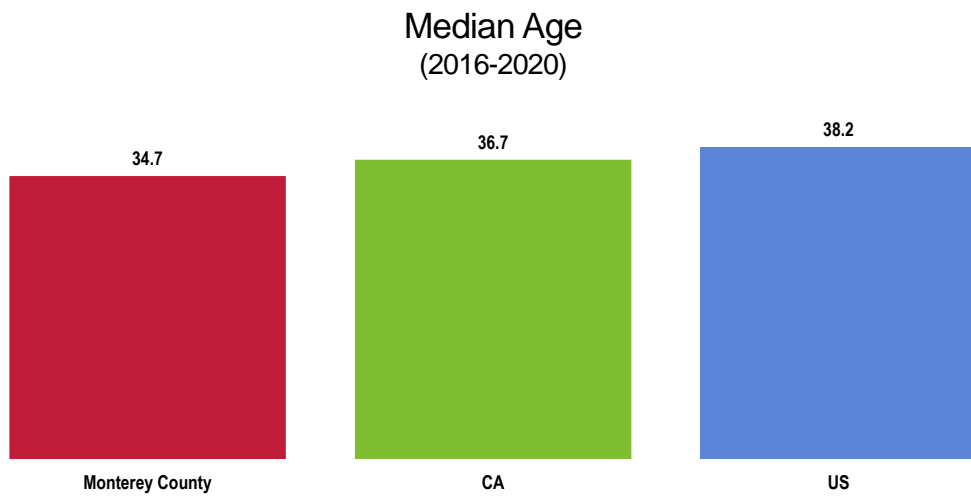


Sources:   
 • US Census Bureau American Community Survey 5-year estimates.   
 • Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).



## Median Age

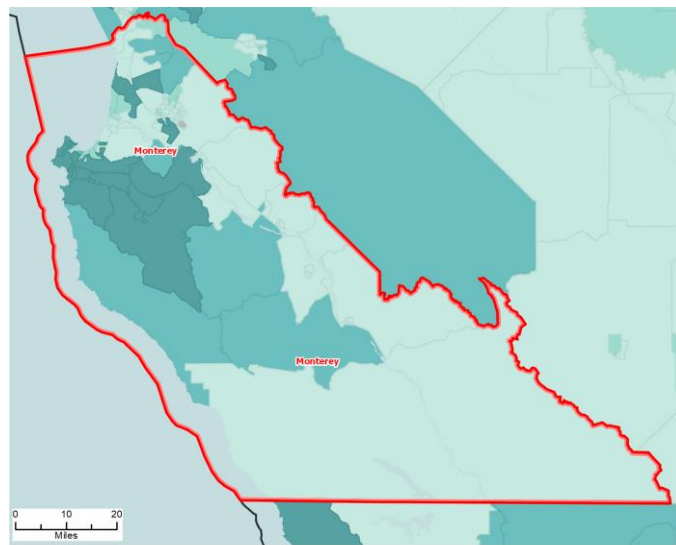
Monterey County is “younger” than the state and the nation in that the median age is lower.



Sources: 

- US Census Bureau American Community Survey 5-year estimates.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

The following map provides an illustration of the median age in Monterey County.



SparkMap



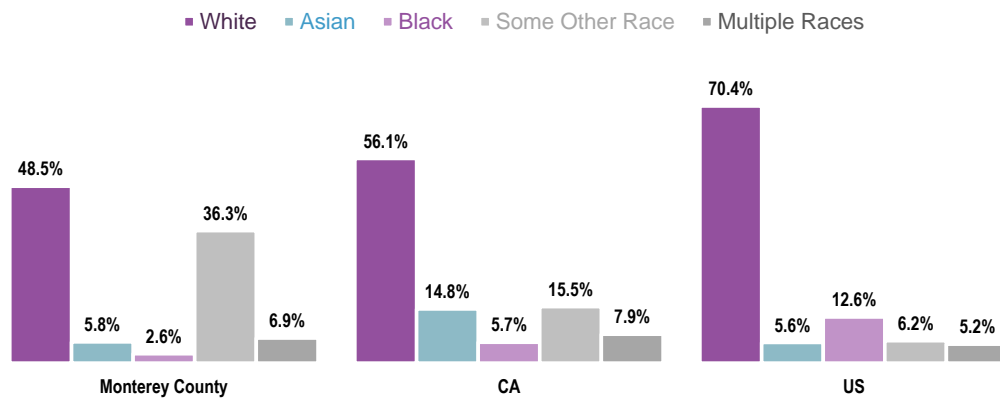
# Race & Ethnicity

## Race

In looking at race independent of ethnicity (Hispanic or Latino origin), 48.5% of residents of Monterey County are White, 5.8% are Asian, and 2.6% are Black. A significant share identify as “some other” race.

**BENCHMARK** ▶ More diverse than both California and the US.

Total Population by Race Alone  
(2016-2020)



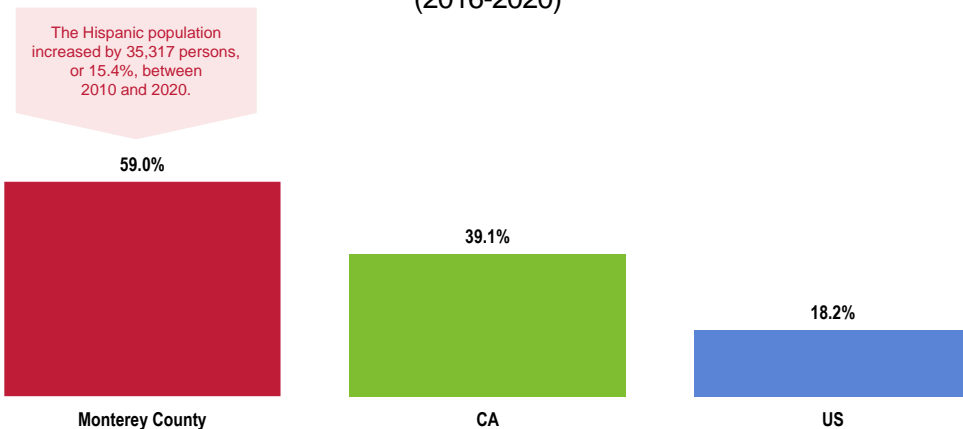
Sources:   
 • US Census Bureau American Community Survey 5-year estimates.   
 • Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

## Ethnicity

A total of 59.0% of Monterey County residents are Hispanic or Latino.

**BENCHMARK** ▶ Much higher than the California and US proportions.

Hispanic Population  
(2016-2020)



Sources:   
 • US Census Bureau American Community Survey 5-year estimates.   
 • Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).   
 Notes:   
 • Origin can be viewed as the heritage, nationality group, lineage, or country of birth of the person or the person's parents or ancestors before their arrival in the United States. People who identify their origin as Hispanic, Latino, or Spanish may be of any race.



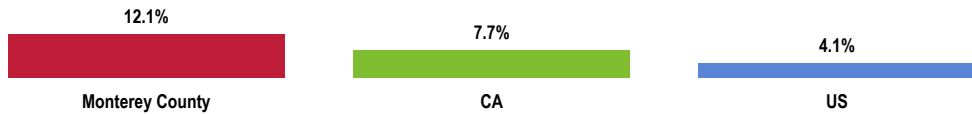
# Linguistic Isolation

A total of 12.1% of Monterey County population age 5 and older live in a home in which no person age 14 or older is proficient in English (speaking only English or speaking English “very well”).

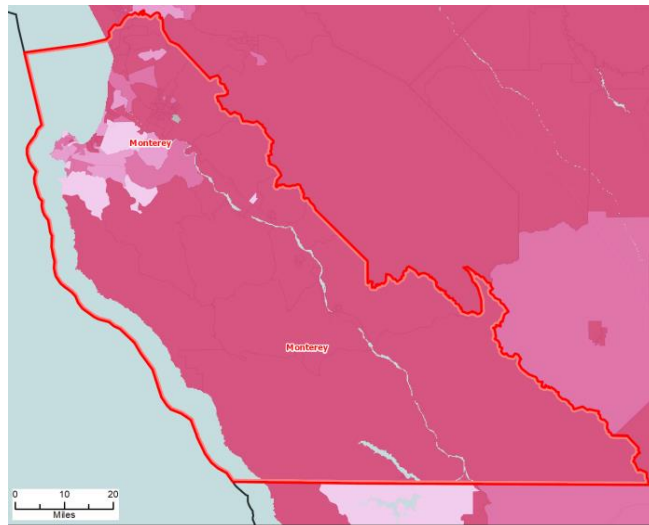
**BENCHMARK** ▶ Higher than both the state and national populations.

Monterey County residents who identify as having Hispanic/Latino heritage comprise 60% of the county’s entire population and of which 55% speak Spanish. Numerous other languages are spoken in the county, including indigenous Mexican languages, Tagalog, Arabic, and others (US Census Bureau).

## Linguistically Isolated Population (2016-2020)



- Sources:
- US Census Bureau American Community Survey 5-year estimates.
  - Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).
- Notes:
- This indicator reports the percentage of the population age 5+ who live in a home in which no person age 14+ speaks only English, or in which no person age 14+ speak a non-English language and speak English "very well."





# SOCIAL DETERMINANTS OF HEALTH

## ABOUT SOCIAL DETERMINANTS OF HEALTH

Social determinants of health (SDOH) are the conditions in the environments where people are born, live, learn, work, play, worship, and age that affect a wide range of health, functioning, and quality-of-life outcomes and risks.

Social determinants of health (SDOH) have a major impact on people's health, well-being, and quality of life. Examples of SDOH include:

- Safe housing, transportation, and neighborhoods
- Racism, discrimination, and violence
- Education, job opportunities, and income
- Access to nutritious foods and physical activity opportunities
- Polluted air and water
- Language and literacy skills

SDOH also contribute to wide health disparities and inequities. For example, people who don't have access to grocery stores with healthy foods are less likely to have good nutrition. That raises their risk of health conditions like heart disease, diabetes, and obesity — and even lowers life expectancy relative to people who do have access to healthy foods.

Just promoting healthy choices won't eliminate these and other health disparities. Instead, public health organizations and their partners in sectors like education, transportation, and housing need to take action to improve the conditions in people's environments.

- Healthy People 2030 (<https://health.gov/healthypeople>)

## Poverty

**The latest census estimate shows 12.0% of Monterey County total population living below the federal poverty level.**

**BENCHMARK** ▶ Fails to satisfy the Healthy People 2030 objective.

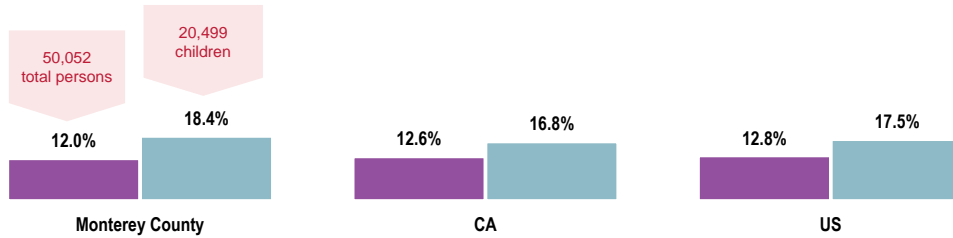
**Among just children (ages 0 to 17), this percentage in Monterey County is 18.4% (representing 20,499 children).**

**BENCHMARK** ▶ Fails to satisfy the Healthy People 2030 objective.



## Population in Poverty (Populations Living Below the Poverty Level; 2016-2020) Healthy People 2030 = 8.0% or Lower

■ Total Population ■ Children



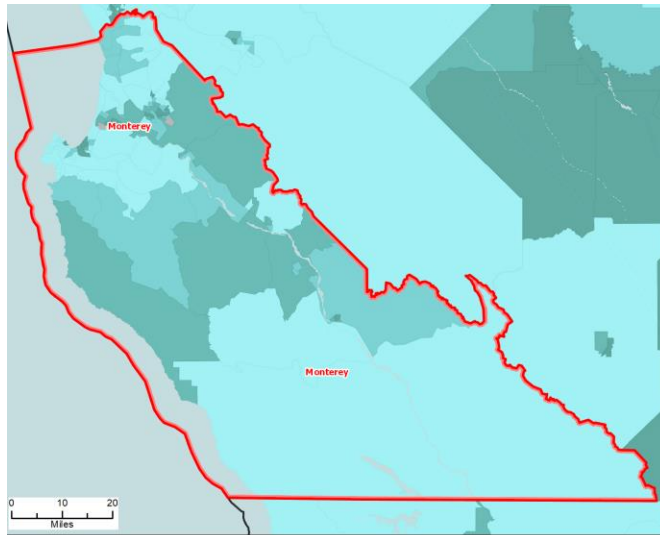
Sources:
 

- US Census Bureau American Community Survey 5-year estimates.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

 Notes:
 

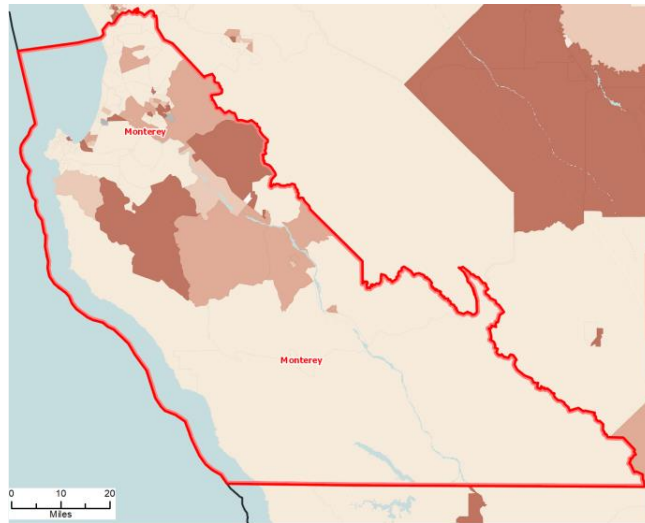
- Poverty is considered a key driver of health status. This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

The following maps highlight concentrations of persons living below the federal poverty level.



SparkMap



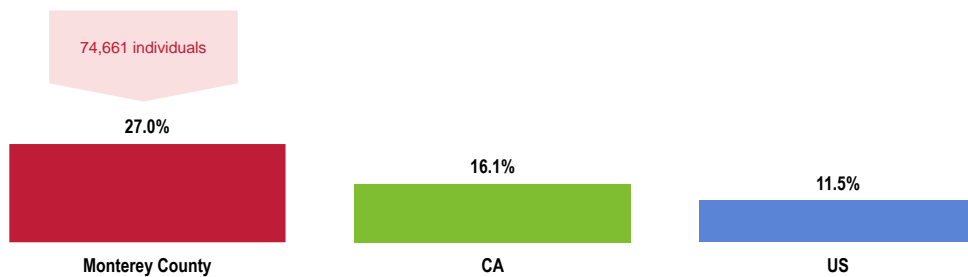


## Education

Among the Monterey County population age 25 and older, an estimated 27.0% (over 74,600 people) do not have a high school education.

**BENCHMARK** ▶ Much higher than the state and national findings.

### Population With No High School Diploma (Population Age 25+ Without a High School Diploma or Equivalent, 2016-2020)



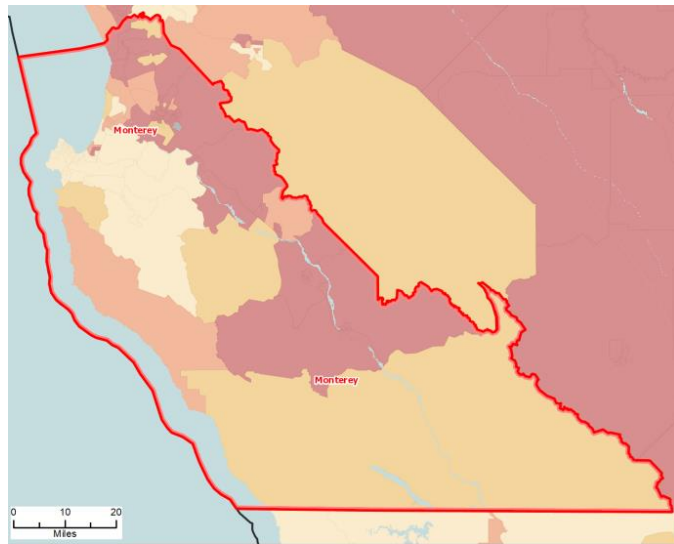
Sources:
 

- US Census Bureau American Community Survey 5-year estimates.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

Notes:
 

- This indicator is relevant because educational attainment is linked to positive health outcomes.





SparkMap

## Financial Resilience

Respondents were asked: “Suppose that you have an emergency expense that costs \$400. Based on your current financial situation, would you be able to pay for this expense either with cash, by taking money from your checking or savings account, or by putting it on a credit card that you could pay in full at the next statement?”

**A total of 31.2% of Monterey County residents would not be able to afford an unexpected \$400 expense without going into debt.**

**BENCHMARK** ► Worse than the national finding.

**DISPARITY** ► Lowest among respondents in the Monterey Peninsula community. Financial resilience is also lower among women, those under 65, very low and low-income residents, Hispanic persons, Asian persons, and LGBTQ+ respondents.

NOTE: For indicators derived from the population-based survey administered as part of this project, text describes significant differences determined through statistical testing. The reader can assume that differences (against or among local findings) that are not mentioned are ones that are not statistically significant.

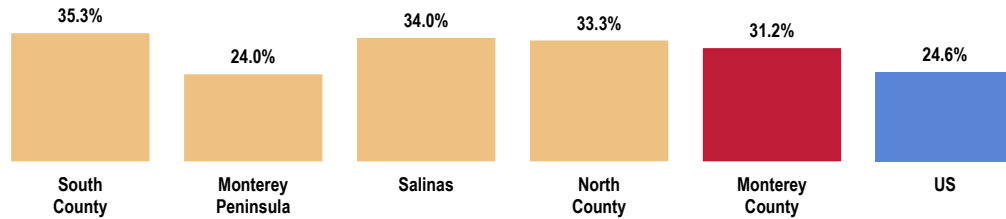


## Do Not Have Cash on Hand to Cover a \$400 Emergency Expense

Charts throughout this report (such as that here) detail survey findings among key demographic groups – namely by sex, age groupings, income (based on poverty status), race/ethnicity, and LGBTQ+ identity.

Here: “very low income” refers to community members living in a household with defined poverty status; “low income” refers to households with incomes just above the poverty level and earning up to twice (100%-199% of) the poverty threshold; and “mid/high income” refers to those households living on incomes which are twice or more (≥200% of) the federal poverty level.

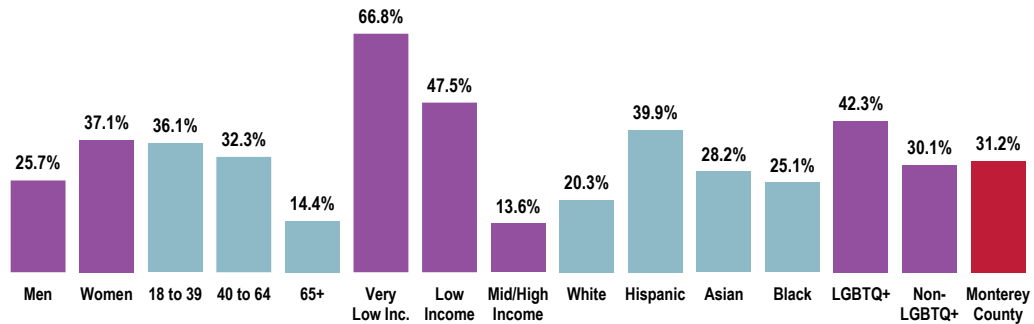
In addition, all Hispanic respondents are grouped, regardless of identity with any other race group. Other race categories are non-Hispanic categorizations (e.g., “White” reflects non-Hispanic White respondents).



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 63]  
• 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents.  
• Includes respondents who say they would not be able to pay for a \$400 emergency expense either with cash, by taking money from their checking or savings account, or by putting it on a credit card that they could pay in full at the next statement.

## Do Not Have Cash on Hand to Cover a \$400 Emergency Expense (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 63]

Notes: • Asked of all respondents.  
• Includes respondents who say they would not be able to pay for a \$400 emergency expense either with cash, by taking money from their checking or savings account, or by putting it on a credit card that they could pay in full at the next statement.

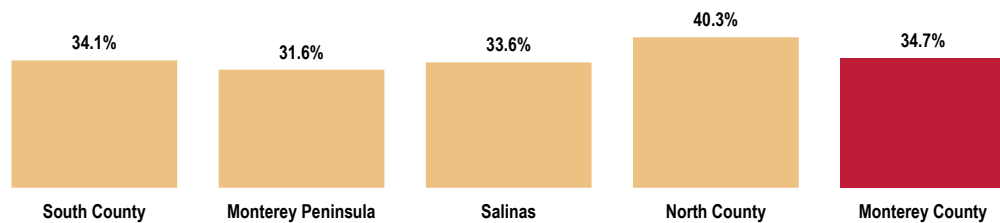


## Financial Impact of the Pandemic

Over one-third (34.7%) of survey respondents report that they or a member of their household lost a job, hours/wages, or health insurance as a result of the COVID-19 pandemic.

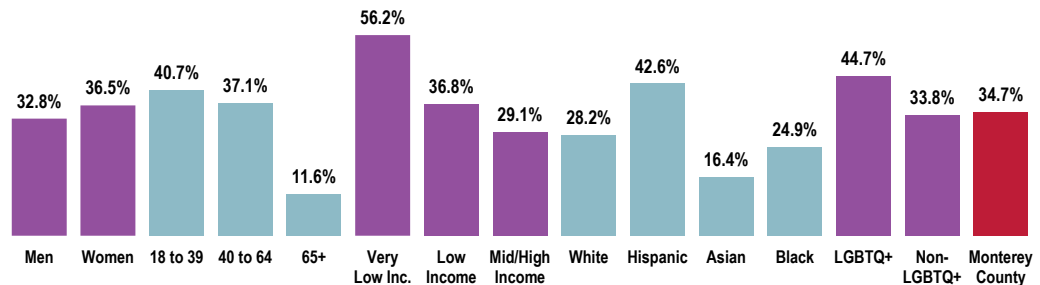
**DISPARITY** ► Pandemic repercussions are highest in the North County area. Throughout the county, women, younger residents, lower-income respondents (especially), White persons, Hispanic persons, and LGBTQ+ community members are also more likely to experience these financial issues as a result of the pandemic.

### Household Member has Lost a Job, Hours/Wages, or Health Insurance as a Result of the Pandemic



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 318]  
 Notes: • Asked of all respondents.

### Household Member has Lost a Job, Hours/Wages, or Health Insurance as a Result of the Pandemic (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 318]  
 Notes: • Asked of all respondents.

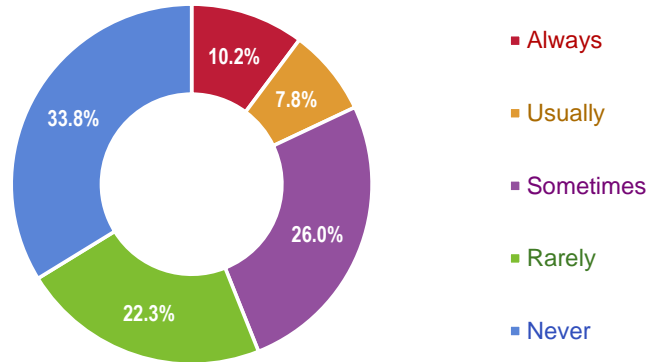


# Housing

## Housing Insecurity

Most surveyed adults rarely, if ever, worry about the cost of housing.

Frequency of Worry or Stress  
Over Paying Rent or Mortgage in the Past Year  
(Monterey County, 2022)



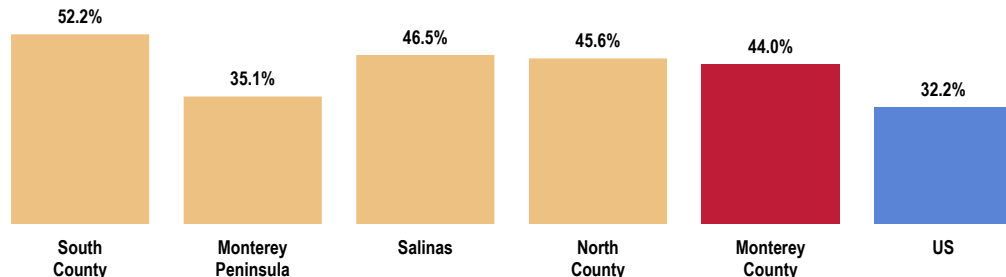
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 66]  
Notes: • Asked of all respondents.

However, a considerable share (44.0%) report that they were “sometimes,” “usually,” or “always” worried or stressed about having enough money to pay their rent or mortgage in the past year.

**BENCHMARK** ► Much higher than the national finding.

**DISPARITY** ► Over half of respondents in the South County area reported experiencing stress over their rent or mortgage in the past year. Countywide, housing insecurity is higher among women, those under 65, lower-income individuals, communities of color, and LGBTQ+ residents.

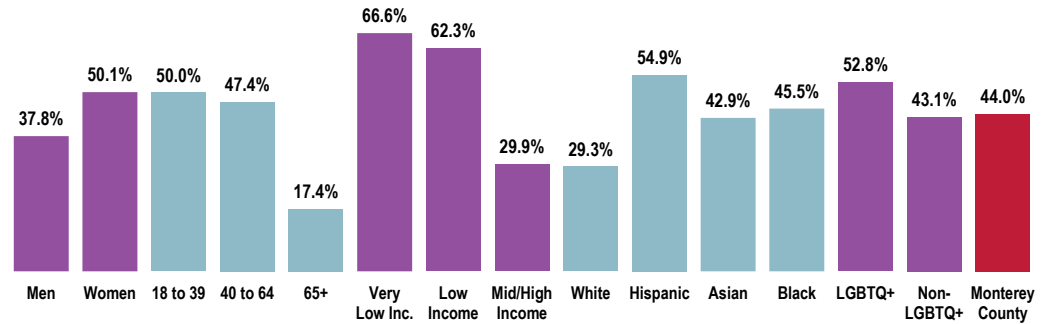
“Always/Usually/Sometimes” Worried  
About Paying Rent/Mortgage in the Past Year



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 66]  
• 2020 PRC National Health Survey, PRC, Inc.  
Notes: • Asked of all respondents.



## “Always/Usually/Sometimes” Worried About Paying Rent/Mortgage in the Past Year (Monterey County, 2022)



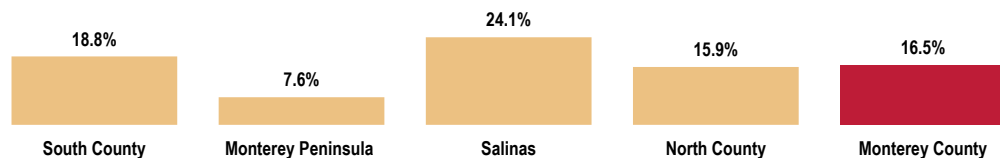
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 66]  
Notes: • Asked of all respondents.

## Multi-Generational Living

**A total of 16.5% of Monterey County residents have three or more generations living under the same roof.**

**DISPARITY** ► Highest in the Salinas area. Women, younger residents, very low and low-income individuals, Hispanic persons, Asian persons, and LGBTQ+ respondents countywide are also more likely to live in a multi-generational household.

## Household Includes Three or More Generations Living Together

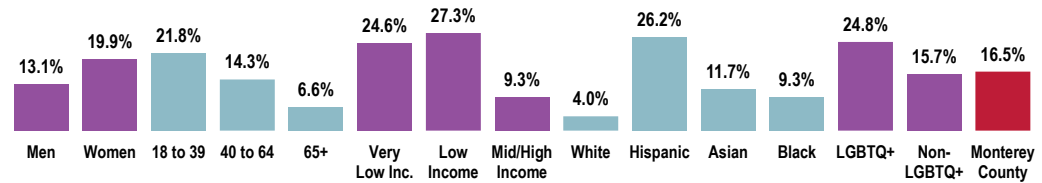


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 311]  
Notes: • Asked of all respondents.





## Household Includes Three or More Generations Living Together (Monterey County, 2022)



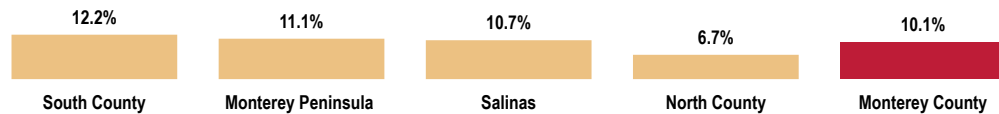
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 311]  
Notes: • Asked of all respondents.

## Shared Housing

Among survey respondents, 10.1% report living with a non-family member in order to save on housing costs.

DISPARITY ► Lowest in the North County area. Shared housing decreases with age and income and is higher among women and LGBTQ+ individuals.

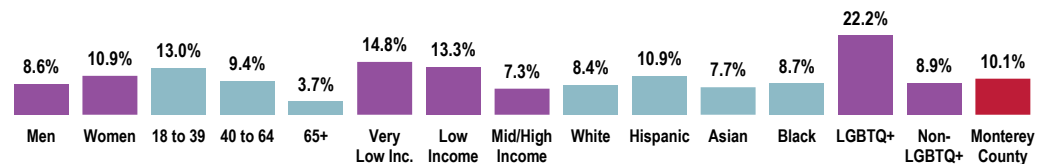
## Share Housing Expenses with a Non-Family Member



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 312]  
Notes: • Asked of all respondents.



## Share Housing Expenses with a Non-Family Member (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 312]  
Notes: • Asked of all respondents.

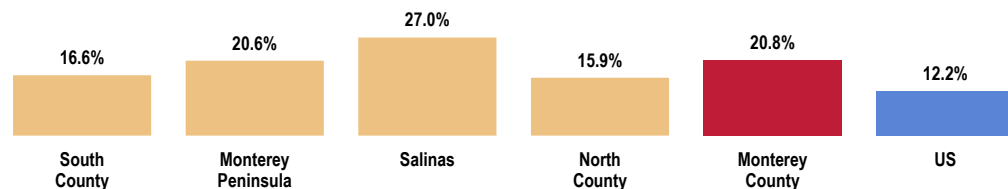
## Unhealthy or Unsafe Housing

**A total of 20.8% of Monterey County residents report living in unhealthy or unsafe housing conditions during the past year.**

**BENCHMARK** ▶ Much higher than the national percentage.

**DISPARITY** ▶ Unfavorably high in the Salinas area. Women, younger residents, lower-income respondents, Hispanic residents, and LGBTQ+ individuals more often report living in unhealthy or unsafe housing.

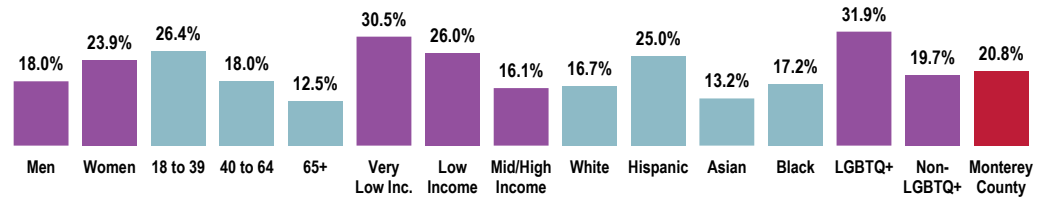
## Unhealthy or Unsafe Housing Conditions in the Past Year



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 65]  
• 2020 PRC National Health Survey, PRC, Inc.  
Notes: • Asked of all respondents.  
• Includes respondents who say they experienced ongoing problems in their current home with water leaks, rodents, insects, mold, or other housing conditions that might make living there unhealthy or unsafe.



## Unhealthy or Unsafe Housing Conditions in the Past Year (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 65]

Notes: • Asked of all respondents.

• Includes respondents who say they experienced ongoing problems in their current home with water leaks, rodents, insects, mold, or other housing conditions that might make living there unhealthy or unsafe.

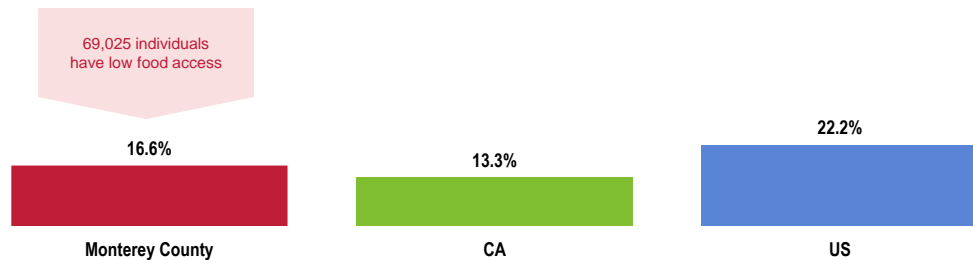
## Food Access

### Low Food Access

US Department of Agriculture data show that **16.6% of Monterey County population (representing over 69,000 residents) have low food access, meaning that they do not live near a supermarket or large grocery store.**

**BENCHMARK** ► Well below the US figure but higher than the state percentage.

### Population With Low Food Access (Percent of Population That Is Far From a Supermarket or Large Grocery Store, 2019)



Sources: • US Department of Agriculture, Economic Research Service, USDA - Food Access Research Atlas (FARA).

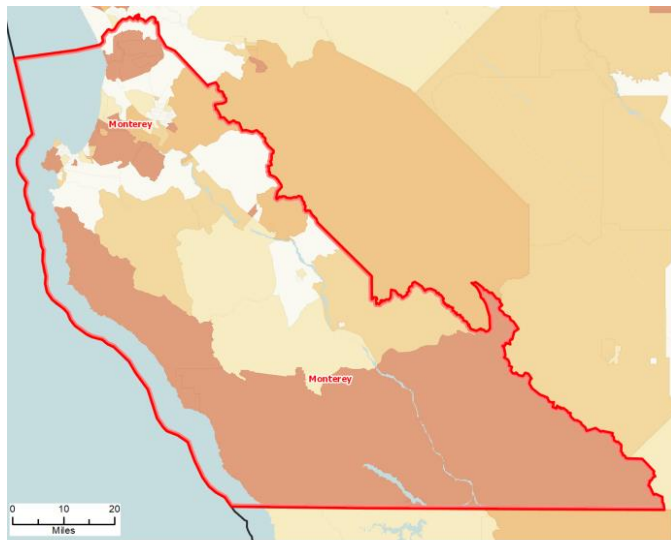
• Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

Notes: • This indicator reports the percentage of the population with low food access. Low food access is defined as living more than ½ mile from the nearest supermarket, supercenter, or large grocery store. This indicator is relevant because it highlights populations and geographies facing food insecurity.

Low food access is defined as living more than ½ mile from the nearest supermarket, supercenter, or large grocery store.

**RELATED ISSUE**  
See also *Nutrition, Physical Activity & Weight* in the **Modifiable Health Risks** section of this report.





Map Legend

Population with Limited Food Access, Percent by Tract, USDA - FARA 2019

- Over 50.0%
- 20.1 - 50.0%
- 5.1 - 20.0%
- Under 5.1%
- No Low Food Access

Report Location, County



## Food Insecurity

**Overall, 40.8% of community residents are determined to be “food insecure,” having run out of food in the past year and/or been worried about running out of food.**

**BENCHMARK** ▶ Higher than the national finding.

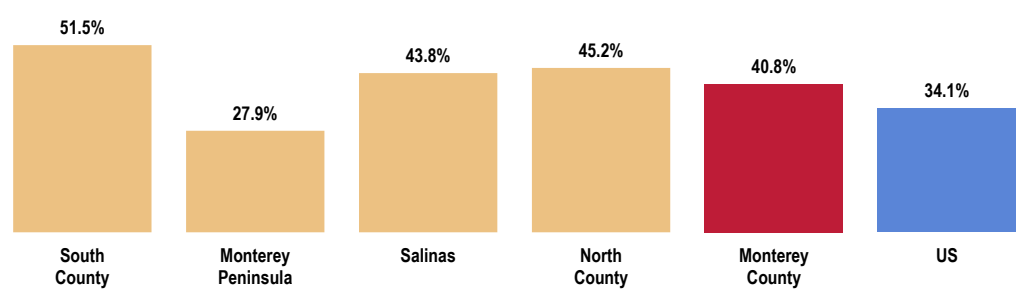
**DISPARITY** ▶ Lowest in the Monterey Peninsula community. Women, younger residents, lower-income residents, communities of color, and LGBTQ+ respondents are more often food insecure.

Surveyed adults were asked: “Now I am going to read two statements that people have made about their food situation. Please tell me whether each statement was “Often True,” “Sometimes True,” or “Never True” for you in the past 12 months:

- I worried about whether our food would run out before we got money to buy more.
- The food that we bought just did not last, and we did not have money to get more.”

Those answering “Often” or “Sometimes True” for either statement are considered to be food insecure.

### Food Insecurity

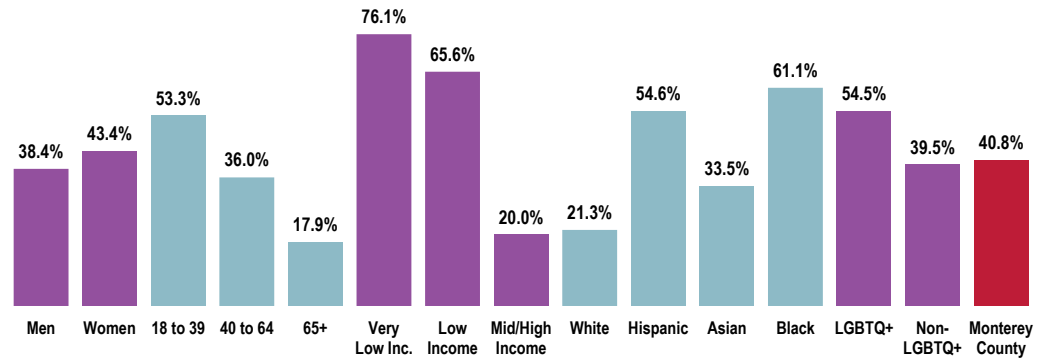


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 112]  
 • 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents.  
 • Includes adults who A) ran out of food at least once in the past year and/or B) worried about running out of food in the past year.



## Food Insecurity (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 112]

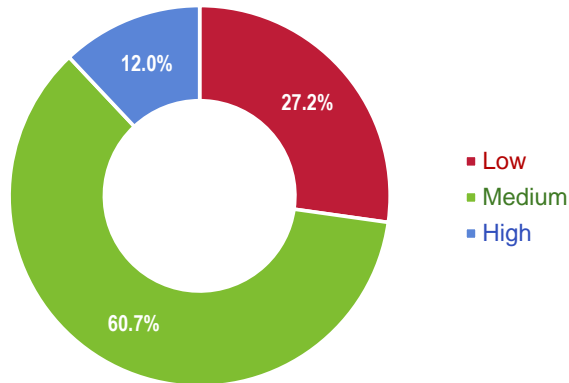
- Notes:
- Asked of all respondents.
  - Includes adults who A) ran out of food at least once in the past year and/or B) worried about running out of food in the past year.

## Health Literacy

Low health literacy is defined as those respondents who “Seldom/Never” find written or spoken health information easy to understand, and/or who “Always/Nearly Always” need help reading health information, and/or who are “Not At All Confident” in filling out health forms.

Most surveyed adults in Monterey County are found to have a moderate level of health literacy.

### Level of Health Literacy (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 324]

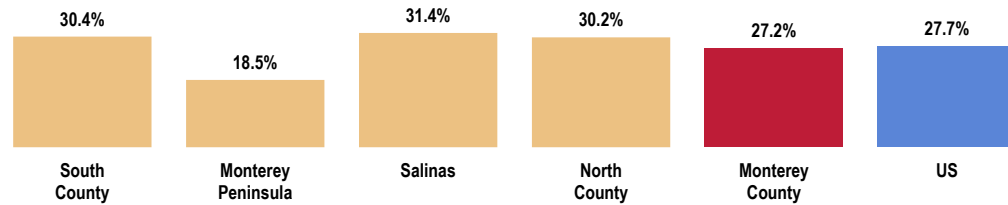
- Notes:
- Asked of all respondents.
  - Respondents with low health literacy are those who “seldom/never” find written or spoken health information easy to understand, and/or who “always/nearly always” need help reading health information, and/or who are “not at all confident” in filling out health forms.



**A total of 27.2% are determined to have low health literacy.**

DISPARITY ► Low health literacy is most prevalent in the Salinas area.

## Low Health Literacy



Sources: 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 324]
- 2020 PRC National Health Survey, PRC, Inc.

Notes: 

- Asked of all respondents.
- Respondents with low health literacy are those who "seldom/never" find written or spoken health information easy to understand, and/or who "always/nearly always" need help reading health information, and/or who are "not at all confident" in filling out health forms.





# HEALTH STATUS



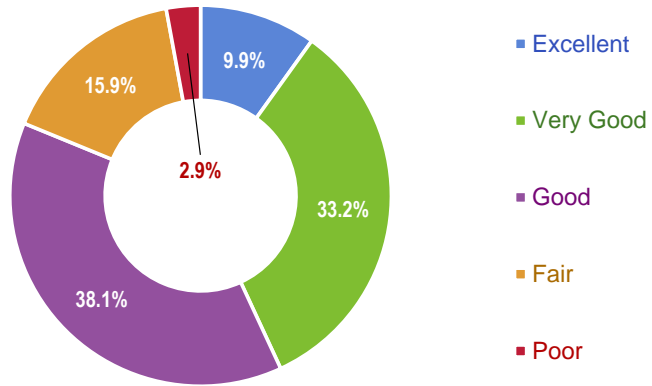


# OVERALL HEALTH STATUS

The initial inquiry of the PRC Community Health Survey asked: "Would you say that in general your health is: Excellent, Very Good, Good, Fair, or Poor?"

**Most Monterey County residents rate their overall health favorably (responding "excellent," "very good," or "good").**

Self-Reported Health Status  
(Monterey County, 2022)



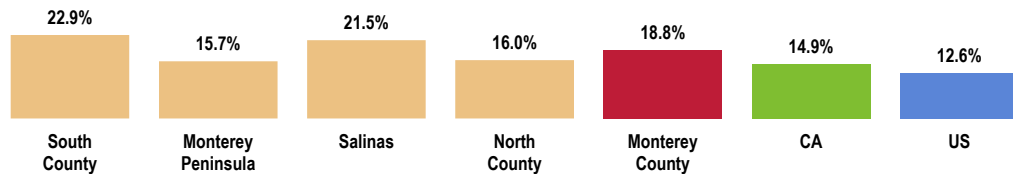
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 5]  
Notes: • Asked of all respondents.

**However, 18.8% of Monterey County adults believe that their overall health is "fair" or "poor."**

**BENCHMARK** ► Worse than both the state and national findings.

**DISPARITY** ► Unfavorably high in South County and Salinas regions. LGBTQ+ respondents are more than twice as likely to report "fair" or "poor" overall health compared to non-LGBTQ+ counterparts. Individuals in the very-low income economic group are two and a half times more likely to report "fair" or "poor" health than those in the mid/high-income group. Other demographic groups more likely to report "fair" or "poor" overall health include women, individuals over age 40, and Hispanic and Asian persons.

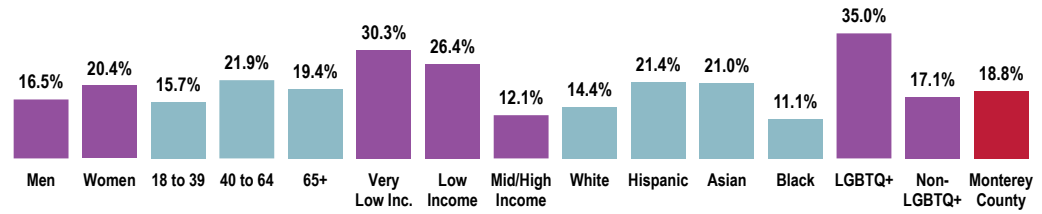
## Experience "Fair" or "Poor" Overall Health



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 5]  
• Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.  
• 2020 PRC National Health Survey, PRC, Inc.  
Notes: • Asked of all respondents.



## Experience “Fair” or “Poor” Overall Health (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 5]  
 Notes: • Asked of all respondents.



# MENTAL HEALTH

## ABOUT MENTAL HEALTH & MENTAL DISORDERS

About half of all people in the United States will be diagnosed with a mental disorder at some point in their lifetime. ...Mental disorders affect people of all age and racial/ethnic groups, but some populations are disproportionately affected. And estimates suggest that only half of all people with mental disorders get the treatment they need.

In addition, mental health and physical health are closely connected. Mental disorders like depression and anxiety can affect people's ability to take part in healthy behaviors. Similarly, physical health problems can make it harder for people to get treatment for mental disorders. Increasing screening for mental disorders can help people get the treatment they need.

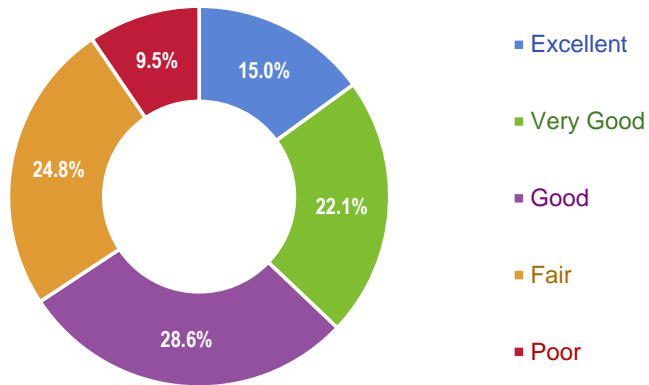
– Healthy People 2030 (<https://health.gov/healthypeople>)

## Mental Health Status

**Most Monterey County adults rate their overall mental health favorably (“excellent,” “very good,” or “good”).**

“Now thinking about your mental health, which includes stress, depression, and problems with emotions, would you say that, in general, your mental health is: Excellent, Very Good, Good, Fair, or Poor?”

Self-Reported Mental Health Status  
(Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 90]  
Notes: • Asked of all respondents.

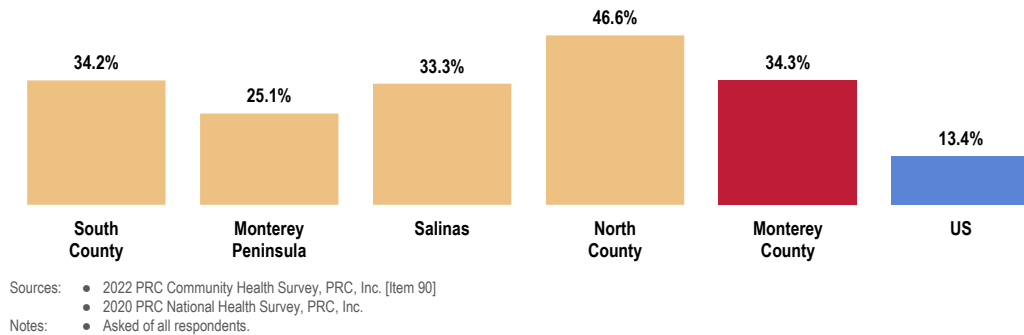


However, 34.3% believe that their overall mental health is “fair” or “poor.”

**BENCHMARK** ▶ Over twice as high as the US percentage.

**DISPARITY** ▶ Nearly half of all respondents in the North County area rate their mental health as “fair” or “poor”.

### Experience “Fair” or “Poor” Mental Health



## Depression

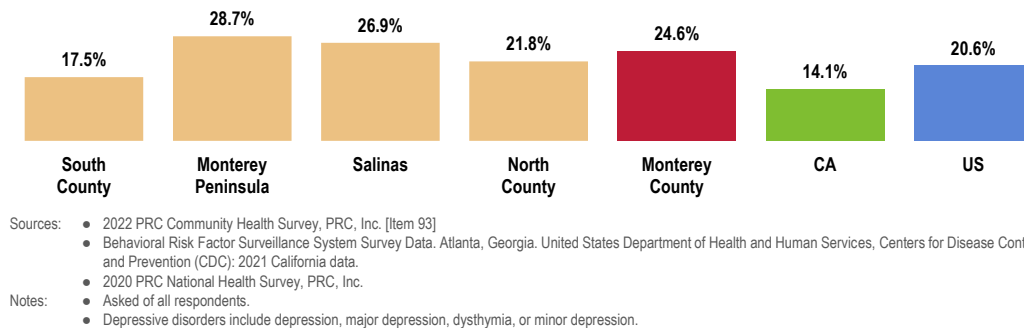
### Diagnosed Depression

A total of 24.6% of Monterey County adults have been diagnosed by a physician as having a depressive disorder (such as depression, major depression, dysthymia, or minor depression).

**BENCHMARK** ▶ Higher than both the California and US findings.

**DISPARITY** ▶ Highest in the Monterey Peninsula area.

### Have Been Diagnosed With a Depressive Disorder



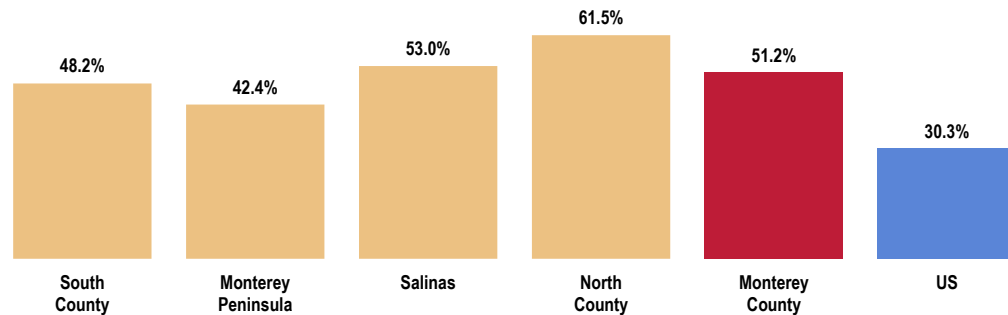
## Symptoms of Chronic Depression

A total of 51.2% of Monterey County adults have had two or more years in their lives when they felt depressed or sad on most days, although they may have felt okay sometimes (symptoms of chronic depression).

**BENCHMARK** ▶ Much higher than the national percentage.

**DISPARITY** ▶ Unfavorably high in the North County area. Women, individuals age 18 to 39, respondents with very low or low incomes, Hispanic individuals, and LGBTQ+ community members more often report symptoms of chronic depression.

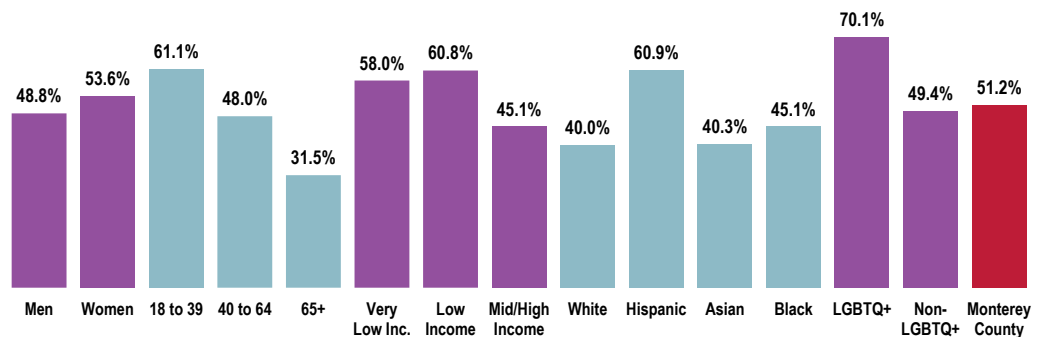
### Have Experienced Symptoms of Chronic Depression



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 91]  
• 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents.  
• Chronic depression includes periods of two or more years during which the respondent felt depressed or sad on most days, even if (s)he felt okay sometimes.

### Have Experienced Symptoms of Chronic Depression (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 91]

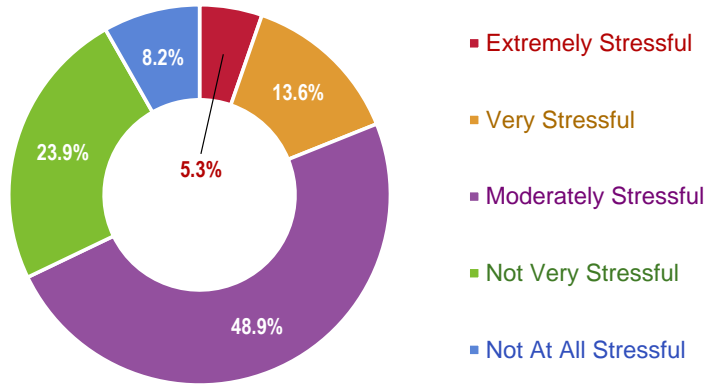
Notes: • Asked of all respondents.  
• Chronic depression includes periods of two or more years during which the respondent felt depressed or sad on most days, even if (s)he felt okay sometimes.



# Stress

A majority of surveyed adults characterize most days as no more than “moderately” stressful.

Perceived Level of Stress On a Typical Day  
(Monterey County, 2022)



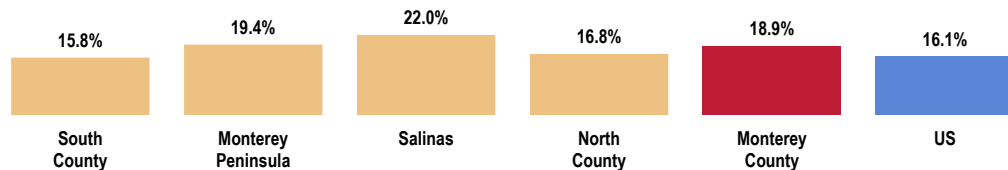
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 92]  
Notes: • Asked of all respondents.

In contrast, 18.9% of Monterey County adults feel that most days for them are “very” or “extremely” stressful.

**BENCHMARK** ▶ Higher than the national percentage.

**DISPARITY** ▶ Higher in the Salinas area; similarly high among women, those under 65, very low income individuals, and LGBTQ+ respondents.

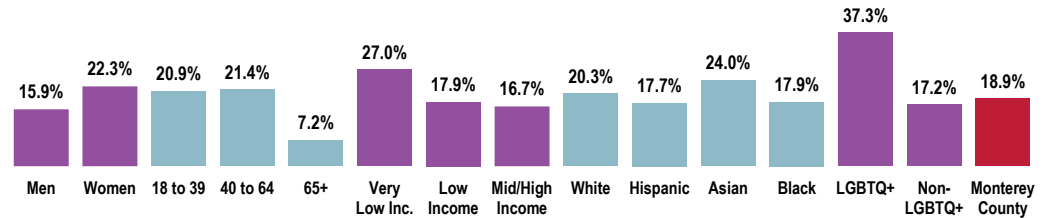
Perceive Most Days as “Extremely” or “Very” Stressful



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 92]  
• 2020 PRC National Health Survey, PRC, Inc.  
Notes: • Asked of all respondents.



## Perceive Most Days as “Extremely” or “Very” Stressful (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 92]  
 Notes: • Asked of all respondents.

## Suicide

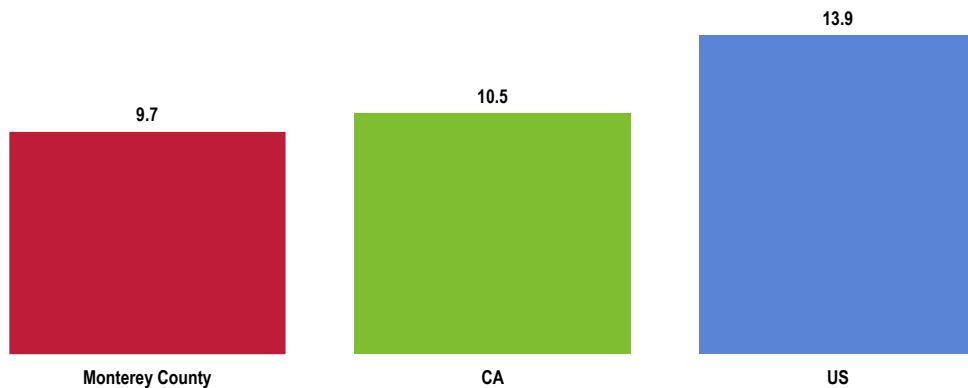
**In Monterey County, there were 9.7 suicides per 100,000 population (2018-2020 annual average age-adjusted rate).**

**BENCHMARK** ▶ Better than the US rate. Satisfies the Healthy People 2030 objective.

**TREND** ▶ Fluctuating over time but increasing in recent years.

**DISPARITY** ▶ The suicide rate among non-Hispanic White persons is over three times the rate reported in Hispanic residents.

### Suicide: Age-Adjusted Mortality (2018-2020 Annual Average Deaths per 100,000 Population) Healthy People 2030 = 12.8 or Lower

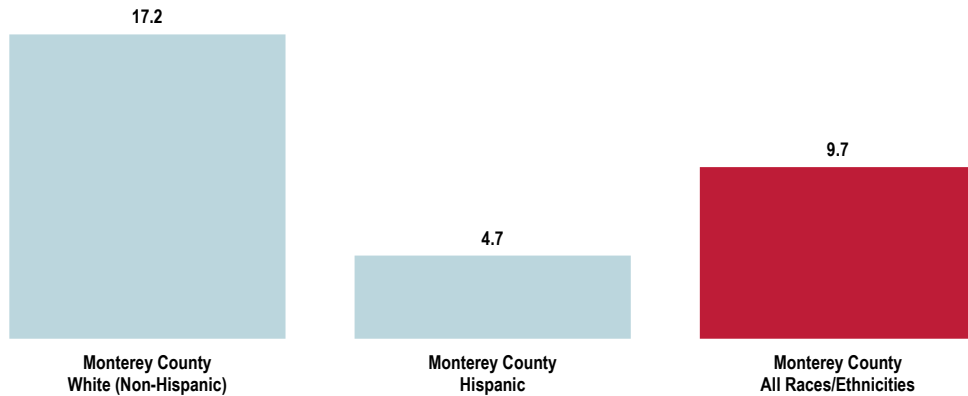


Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>



## Suicide: Age-Adjusted Mortality by Race (2018-2020 Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 12.8 or Lower

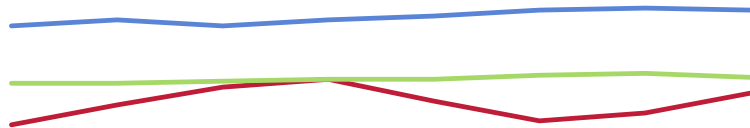


Sources: 

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

## Suicide: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 12.8 or Lower



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	8.1	9.1	10.0	10.4	9.3	8.3	8.7	9.7
CA	10.2	10.2	10.3	10.4	10.4	10.6	10.7	10.5
US	13.1	13.4	13.1	13.4	13.6	13.9	14.0	13.9

Sources: 

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2030. <http://www.healthypeople.gov>



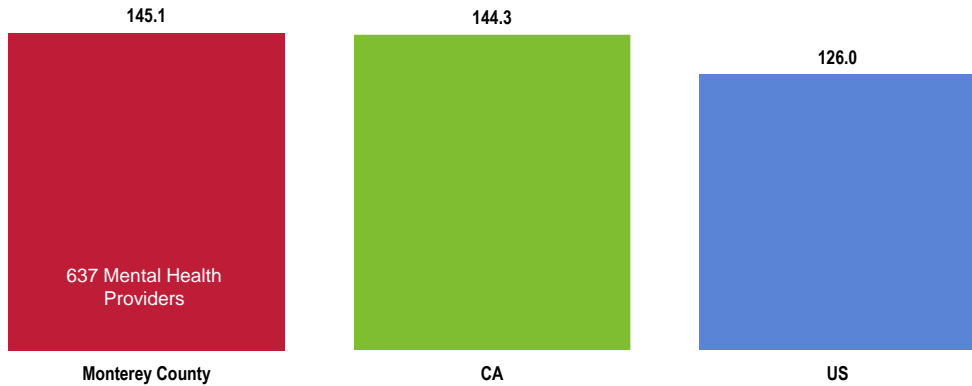


# Mental Health Treatment

## Mental Health Providers

In 2021, the county had 145.1 mental health providers for every 100,000 population.

**Access to Mental Health Providers**  
(Number of Mental Health Providers per 100,000 Population, 2021)



- Sources:
- University of Wisconsin Population Health Institute, County Health Rankings.
  - Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).
- Notes:
- This indicator reports the rate of the county population to the number of mental health providers including psychiatrists, psychologists, clinical social workers, and counsellors that specialize in mental health care.

Here, “mental health providers” includes psychiatrists, psychologists, clinical social workers, and counsellors who specialize in mental health care. Note that this indicator only reflects providers practicing in Monterey County and residents in Monterey County; it does not account for the potential demand for services from outside the area, nor the potential availability of providers in surrounding areas.

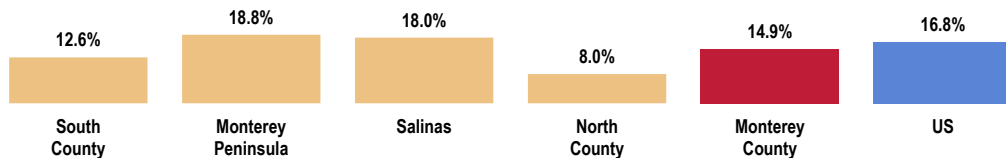
## Currently Receiving Treatment

A total of 14.9% are currently taking medication or otherwise receiving treatment from a doctor or other health professional for some type of mental health condition or emotional problem.

DISPARITY ► Highest in the Monterey Peninsula and Salinas areas.

### Currently Receiving Mental Health Treatment

Among respondents ever diagnosed with a depressive disorder, 48.0% are currently receiving treatment.



- Sources:
- 2022 PRC Community Health Survey, PRC, Inc. [Item 94]
  - 2020 PRC National Health Survey, PRC, Inc.
- Notes:
- Asked of all respondents.
  - “Treatment” can include taking medications for mental health.



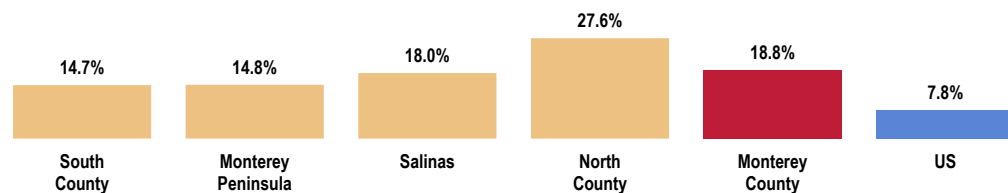
## Difficulty Accessing Mental Health Services

A total of 18.8% of Monterey County adults report a time in the past year when they needed mental health services but were not able to get them.

**BENCHMARK** ▶ Over twice as high as the national percentage.

**DISPARITY** ▶ Particularly high in the North County area. Groups that more often report difficulty accessing mental health services include residents age 18 to 39, lower-income respondents, White persons, Hispanic persons, and LGBTQ+ persons.

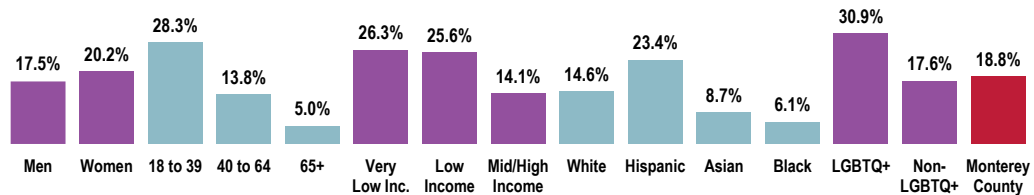
### Unable to Get Mental Health Services When Needed in the Past Year



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 95]  
• 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents.

### Unable to Get Mental Health Services When Needed in the Past Year (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 95]

Notes: • Asked of all respondents.



# Children's Mental Health

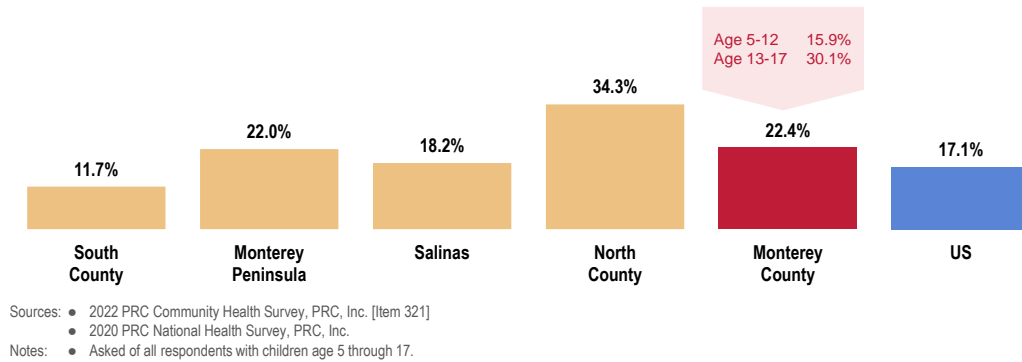
## Recent Needs

Among parents of children age 5 to 17, a total of 22.4% indicate that their child needed mental health services at some point in the past year.

**BENCHMARK** ▶ Higher than the US finding.

**DISPARITY** ▶ Disproportionately higher in North County region and among teenagers.

### Child Has Needed Mental Health Services in the Past Year (Monterey County Parents of Children Age 5-17, 2022)

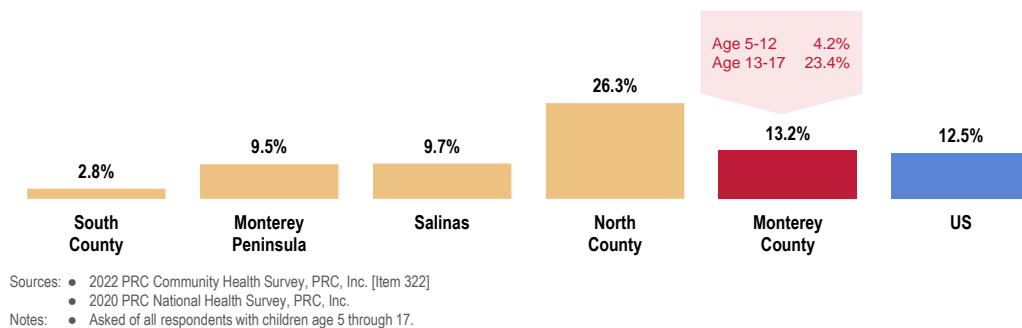


## Prescription Medication

A total of 13.2% of Monterey County children age 5 to 17 took a prescription medication in the past year for their mental health.

**DISPARITY** ▶ Disproportionately higher in North County region and among teenagers.

### Child Has Taken Prescription Medication for Mental Health in the Past Year (Monterey County Parents of Children Age 5-17, 2022)



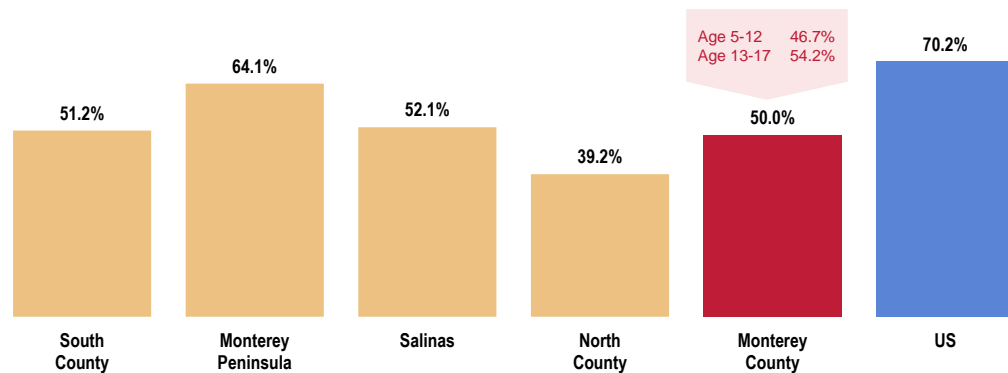
## Awareness of Resources

Half (50.0%) of parents with children age 5 to 17 report that they are aware of local resources for children’s mental health.

**BENCHMARK** ▶ Unfavorably lower than the US percentage.

**DISPARITY** ▶ Disproportionately lower in North County region.

### Aware of Mental Health Resources for Children (Monterey County Parents of Children Age 5-17, 2022)

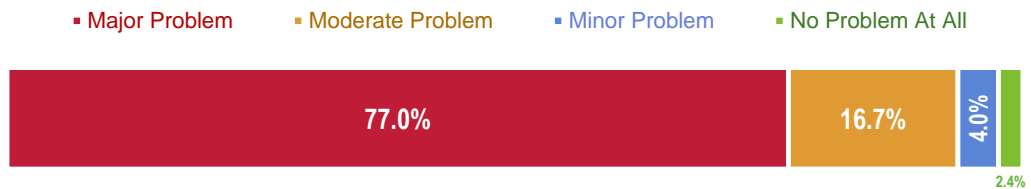


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 323]  
• 2020 PRC National Health Survey, PRC, Inc.  
Notes: • Asked of all respondents with children age 5 through 17.

## Key Informant Input: Mental Health

Over three-fourths of key informants taking part in an online survey characterized *Mental Health* as a “major problem” in the community.

### Perceptions of Mental Health as a Problem in the Community (Key Informants, 2022)



Sources: • PRC Online Key Informant Survey, PRC, Inc.  
Notes: • Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

#### Access to Care/Services

Few sites for inpatient treatment or intensive outpatient treatment. – Community Leader

Access for children mental health services, adult mental health. No collaboration with doctors and mental health.

I feel that I’m stumbling in the dark in providing psychological care, I have no one to assist me. – Physician



There is no access. – Physician

No services. – Community Leader

Access to treatment. – Social Services Provider

Lack of access to services and cognitive ability to seek them out. – Social Services Provider

Accessing mental health services has continued to be a big challenge in our area given the rise of mental health related needs and lack of providers. – Community Leader

The past two years have unmasked mental health problems for which individuals were barely compensating. We do not have sufficient resources that are accessible and affordable. – Physician

The lack of services available to teens in South Monterey County. – Community Leader

Access to care. – Physician

The biggest challenge is finding a safe place to rest, sleep, or stay that includes access to services for their mental health needs. For those with a mental health diagnosis, there is no one place where they can go to get all of their basic needs met. They need to engage with several different service providers to fully take care of themselves which is a major barrier to getting well and self-sufficiency. – Social Services Provider

Navigating the mental health system when a family member(s) has mental health issues and needs and accessing services. – Public Health Representative

There are no programs and/or facilities in town to help with mental health issues. – Community Leader

Access to services, lack of providers. – Social Services Provider

Accessing care. Currently if you have insurance, the only care provided is at CHOMP. So, if you don't like the doctors, nowhere else to go. If you have Medi-Cal, you are stuck with the county system that seems to think that tele-psych is the answer to everything and not providing in person provider care. Allowing the patient to establish that trust with the provider. Not enough acute inpatient care beds, no adolescent or children's inpatient acute beds. – Other Health Provider

There is just simply not enough mental health care available in a timely fashion for all Monterey County residents. – Physician

Lack of resources in the community. – Other Health Provider

Lack of access to resources due to limited resources. – Social Services Provider

Our mental health services are terrible. Who decided that we should sideline mobile crisis services during COVID? How is that not an essential service? Do we really think that COVID is a bigger risk for a 20 year old with paranoid schizophrenia that is homeless and abusing meth? The lack of leadership and direction is horrific. We need comprehensive reform and people need to be held accountable for providing care to our acutely ill mental health patients. – Social Services Provider

Access to services. Lack of residential treatment facilities. Families who can't care for people who are seriously ill and/or in crisis. – Community Leader

Access to accurate diagnosis and effective, evidence-based treatment. Coordination of care across providers, with PCP's and communication and education of family members. For the chronically mentally ill, there is very poor access to rehabilitation, occupational and housing support services. – Physician

Finding access to mental health care providers, especially in person, is nearly impossible. Most places have long wait lists. It is especially challenging if the mental illness is not extreme. – Social Services Provider

Access and the cost of care. – Community Leader

No mental health providers in our community. Insufficient mental health resources available, even on the peninsula. Mental health services largely unaffordable. – Other Health Provider

Lack of adequate numbers of psychiatrists. Lack of a well-organized/publicized mental health care system of providers. Lack of insurance coverage for some of these services. – Physician

Lack of commitment to enhance inpatient services by MCBHD. Limited access for non-Medi-Cal patients. – Public Health Representative

Lack of access to therapists and psychiatrists who will accept Medi-Cal, Medicare, or any commercial insurance. – Social Services Provider

Lack of access to care, expensive care, lack of access for youth inpatient care, stigma. – Public Health Representative

Access to services for both adults and youth. Stigma. – Physician

Minimal to no access to therapeutic or equivalent services. No health insurance or ability to pay for services. Not enough providers for demand of people seeking services. – Community Leader



Not enough access to psychiatrists for low-income individuals, forces long waiting time for diagnosis and treatment. Psychiatric disorders of mild to moderate vs moderate to severe are increasing, especially among alcohol and drug abusers. Access to bridge medication while waiting for an appointment with county for an assessment is not available. Students with anxiety cannot or will not access services in school. This is based on a few reasons including students not wanting to use limited resources set aside for students with severe needs, not enough resources in school or time to access them, stigma, lack of access for students and parents. Parents need someone to talk to, as well. Have same issues of time and access and stigma. With everything going on in our world - politics, environment, cost of living, war, pandemic, there is just not enough fun! Fun is an important component of good mental health – Other Health Provider

Medical treatment, housing, and resources. – Social Services Provider

Lack of behavioral/mental health providers, particularly those who can prescribe. Local psychiatrists have very limited practices and shun patients on the lower end of the socio-economic ladder - homeless probably have the greatest need, but psychiatrists don't see them. Stigma associated with seeking mental health services. Lack of awareness that most governmental and commercial insurances cover BH/MH services. Many healthcare providers are ill-equipped to deal with mental health problems - a very large percentage of patients who unnecessarily access the ER for routine medical care have mental health and/or substance abuse problems. – Community Leader

Lack of coordination of services as well as lack of trained professionals. – Physician

We lack resources in the community to help those with this health concern. The concern is greatest in the uninsured population who lack resources to obtain healthcare services. There is also a language and health literacy barrier that impacts the outcome of this population as well as the community as a whole. – Other Health Provider

Lack of bilingual bicultural therapists. Stigma around accessing mental health services. Cost or perceived cost. – Social Services Provider

Healthcare coverage for therapists. Available MF therapists. Stigma of therapy. – Community Leader

Where to go to get assessed, how to access a provider, how to pay for a provider. I hear there are just not enough providers. Stresses of the pandemic are seen at all ages and will be felt long term. Anxiety, depression, isolation continue to be challenges. – Social Services Provider

Extremely limited providers, long wait times, lack of in-person visits due to COVID restrictions, and a high rate of medication-based assistance vs. counseling services. – Other Health Provider

Access to care. Minimal options: Montage, Monterey County. Lack of private psychiatrists to balance out institutional based practices, patients in crisis need to wait 6-8 weeks for appointments with the larger institutions. Despite huge financial gift, Ohana still not meeting needs. Poor follow through and coordination of care. – Community Leader

Unable to get access to care. – Physician

## Due to COVID-19

Mental health was an issue before the pandemic but got worse now and there is not enough access for people in need of services. – Public Health Representative

There aren't enough providers to meet the need that existed prior to COVID and COVID has contributed to pre-existing and new anxiety, depression and isolation. This applies to children, youth and adults. – Social Services Provider





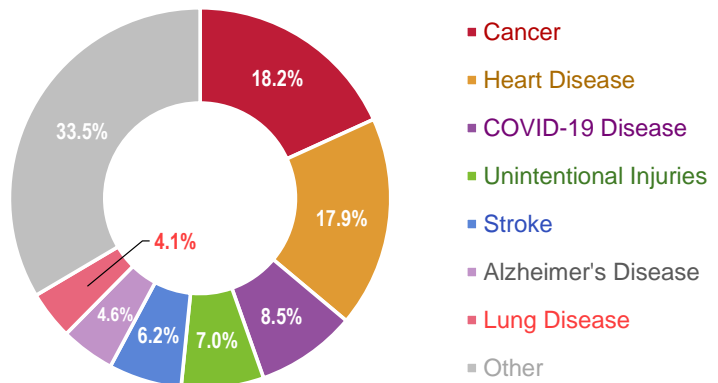
# DEATH, DISEASE & CHRONIC CONDITIONS

# LEADING CAUSES OF DEATH

## Distribution of Deaths by Cause

Together, heart disease and cancers accounted for over one-third of all deaths in Monterey County in 2020.

Leading Causes of Death  
(Monterey County, 2020)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
Notes: • Lung disease is CLRD, or chronic lower respiratory disease.

## Age-Adjusted Death Rates for Selected Causes

### AGE-ADJUSTED DEATH RATES

In order to compare mortality in the region with other localities (in this case, California and the United States), it is necessary to look at rates of death — these are figures which represent the number of deaths in relation to the population size (such as deaths per 100,000 population, as is used here).

Furthermore, in order to compare localities without undue bias toward younger or older populations, the common convention is to adjust the data to some common baseline age distribution. Use of these “age-adjusted” rates provides the most valuable means of gauging mortality against benchmark data, as well as Healthy People 2030 objectives.

Note that deaths are coded using the Tenth Revision of the International Statistical Classification of Diseases and Related Health Problems (ICD-10). Rates are per 100,000 population, age-adjusted to the 2000 US Standard Population.

The following chart outlines 2018-2020 annual average age-adjusted death rates per 100,000 population for selected causes of death in Monterey County.





Each of these is discussed in greater detail in subsequent sections of this report.

## Age-Adjusted Death Rates for Selected Causes (2018-2020 Deaths per 100,000 Population)

	Monterey County	California	US	HP2030
<b>Malignant Neoplasms (Cancers)</b>	116.7	132.3	146.5	122.7
<b>Diseases of the Heart</b>	109.3	140.2	164.4	127.4*
<b>Coronavirus/COVID-19 (2020)</b>	53.8	68.7	85.0	—
<b>Unintentional Injuries</b>	41.6	37.9	51.6	43.2
<b>Falls [Age 65+]</b>	40.0	41.4	67.1	63.4
<b>Cerebrovascular Disease (Stroke)</b>	34.5	37.8	37.6	33.4
<b>Alzheimer's Disease</b>	25.1	38.2	30.9	—
<b>Chronic Lower Respiratory Disease (CLRD)</b>	24.1	29.3	38.1	—
<b>Diabetes</b>	17.1	22.9	22.6	—
<b>Unintentional Drug-Related Deaths</b>	15.2	15.2	21.0	—
<b>Cirrhosis/Liver Disease</b>	12.4	12.8	11.9	10.9
<b>Pneumonia/Influenza</b>	10.6	13.8	13.4	—
<b>Motor Vehicle Deaths</b>	10.5	9.9	11.4	10.1
<b>Intentional Self-Harm (Suicide)</b>	9.7	10.5	13.9	12.8
<b>Kidney Disease</b>	9.5	9.1	12.8	—
<b>Firearm-Related</b>	7.7	7.7	12.5	10.7
<b>Homicide/Legal Intervention</b>	5.0	5.1	6.1	5.5
<b>HIV/AIDS (2011-2020)</b>	1.1	1.7	1.8	—

Sources: 

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>.

Note: 

- \*The Healthy People 2030 Heart Disease target is adjusted to account for all diseases of the heart.



# CARDIOVASCULAR DISEASE

## ABOUT HEART DISEASE & STROKE

Heart disease is the leading cause of death in the United States, and stroke is the fifth leading cause. ...Heart disease and stroke can result in poor quality of life, disability, and death. Though both diseases are common, they can often be prevented by controlling risk factors like high blood pressure and high cholesterol through treatment.

In addition, making sure people who experience a cardiovascular emergency — like stroke, heart attack, or cardiac arrest — get timely recommended treatment can reduce their risk for long-term disability and death. Teaching people to recognize symptoms is key to helping more people get the treatment they need.

– Healthy People 2030 (<https://health.gov/healthypeople>)

## Age-Adjusted Heart Disease & Stroke Deaths

### Heart Disease Deaths

**Between 2018 and 2020, there was an annual average age-adjusted heart disease mortality rate of 109.3 deaths per 100,000 population in Monterey County.**

**BENCHMARK** ▶ Lower than both the California and US rates. Satisfies the Healthy People 2030 objective.

The greatest share of cardiovascular deaths is attributed to heart disease.

**Heart Disease: Age-Adjusted Mortality**  
(2018-2020 Annual Average Deaths per 100,000 Population)  
Healthy People 2030 = 127.4 or Lower (Adjusted)

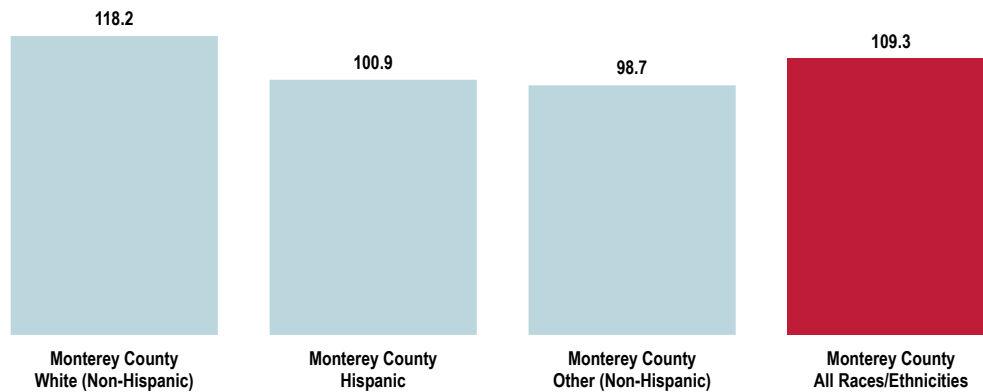


- Sources:
- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.
  - US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>
- Notes:
- The Healthy People 2030 Heart Disease target is adjusted to account for all diseases of the heart.



## Heart Disease: Age-Adjusted Mortality by Race (2018-2020 Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 127.4 or Lower (Adjusted)



Sources: 

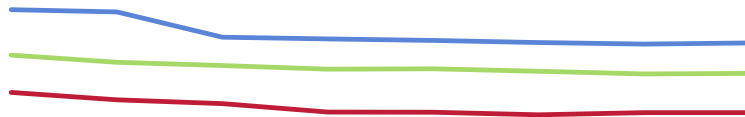
- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes: 

- The Healthy People 2030 Heart Disease target is adjusted to account for all diseases of the heart.

## Heart Disease: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 127.4 or Lower (Adjusted)



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	125.2	119.3	116.3	109.7	109.5	107.5	109.2	109.3
CA	154.7	149.1	146.5	143.6	143.9	141.9	139.8	140.2
US	190.6	188.9	168.9	167.5	166.3	164.7	163.4	164.4

Sources: 

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2030. <http://www.healthypeople.gov>

Notes: 

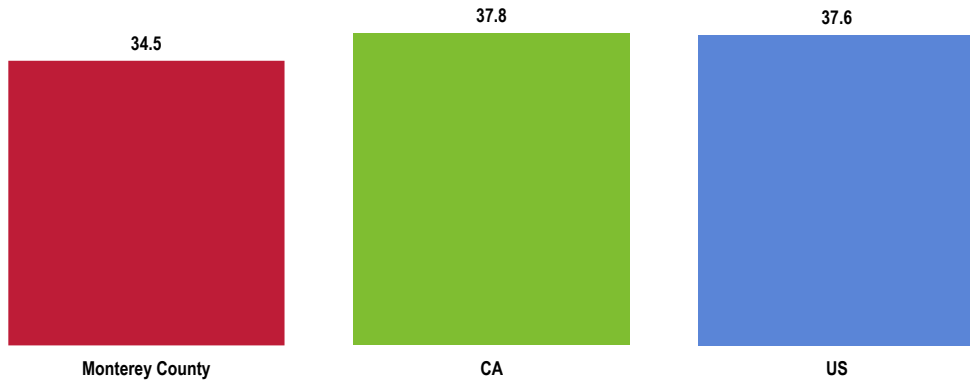
- The Healthy People 2030 Heart Disease target is adjusted to account for all diseases of the heart.



## Stroke Deaths

Between 2018 and 2020, there was an annual average age-adjusted stroke mortality rate of 34.5 deaths per 100,000 population in Monterey County.

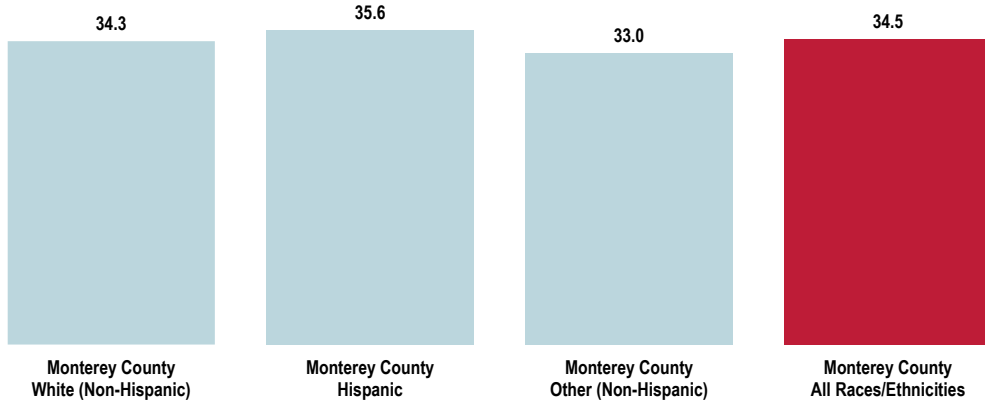
**Stroke: Age-Adjusted Mortality**  
(2018-2020 Annual Average Deaths per 100,000 Population)  
Healthy People 2030 = 33.4 or Lower



Sources: 

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

**Stroke: Age-Adjusted Mortality by Race**  
(2018-2020 Annual Average Deaths per 100,000 Population)  
Healthy People 2030 = 33.4 or Lower



Sources: 

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>



## Stroke: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 33.4 or Lower



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	39.0	37.4	34.3	33.3	32.4	32.6	31.8	34.5
CA	35.6	34.7	35.0	35.7	36.9	37.2	37.3	37.8
US	40.7	40.6	37.1	37.5	37.5	37.3	37.2	37.6

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2030. <http://www.healthypeople.gov>

## Prevalence of Heart Disease & Stroke

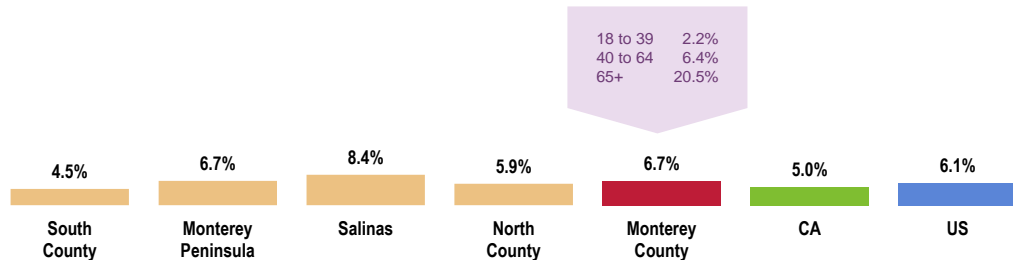
### Prevalence of Heart Disease

**A total of 6.7% of surveyed adults report that they suffer from or have been diagnosed with heart disease, such as coronary heart disease, angina, or heart attack.**

**BENCHMARK** ▶ Higher than the California percentage.

**DISPARITY** ▶ Highest in the Salinas area. Prevalence of heart disease increases with age.

### Prevalence of Heart Disease



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 114]  
• Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.  
• 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents.  
• Includes diagnoses of heart attack, angina, or coronary heart disease.

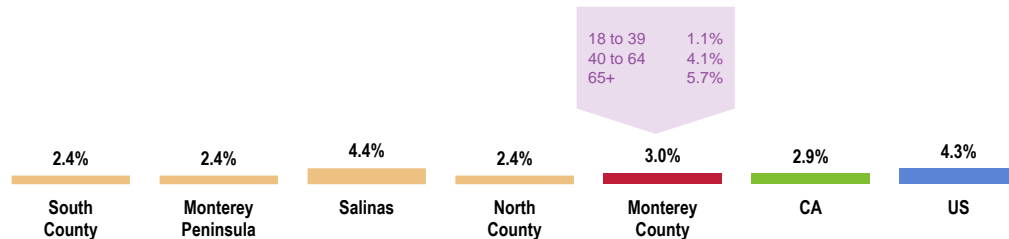


## Prevalence of Stroke

A total of 3.0% of surveyed adults report that they suffer from or have been diagnosed with cerebrovascular disease (a stroke).

DISPARITY ► Highest in the Salinas area.

### Prevalence of Stroke



- Sources:
- 2022 PRC Community Health Survey, PRC, Inc. [Item 29]
  - Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.
  - 2020 PRC National Health Survey, PRC, Inc.
- Notes:
- Asked of all respondents.

## Cardiovascular Risk Factors

### Blood Pressure & Cholesterol

A total of 36.3% of Monterey County adults have been told by a health professional at some point that their **blood pressure** was high.

BENCHMARK ► Higher than the state percentage. Fails to satisfy the Healthy People 2030 objective.

DISPARITY ► Prevalence of high blood pressure is highest in the Monterey Peninsula and Salinas areas (not shown).

A total of 37.9% of adults have been told by a health professional that their **cholesterol level** was high.

BENCHMARK ► Higher than the national percentage.

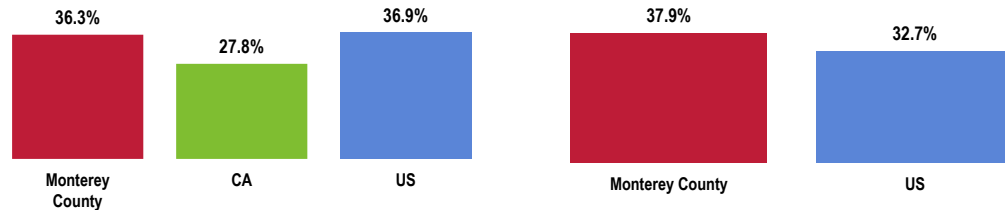
DISPARITY ► High blood cholesterol prevalence is highest in the Salinas area (not shown).



## Prevalence of High Blood Pressure

Healthy People 2030 = 27.7% or Lower

## Prevalence of High Blood Cholesterol



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Items 35-36]  
 • Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.  
 • 2020 PRC National Health Survey, PRC, Inc.  
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes: • Asked of all respondents.

## Total Cardiovascular Risk

Total cardiovascular risk reflects the individual-level risk factors which put a person at increased risk for cardiovascular disease, including:

- High Blood Pressure
- High Blood Cholesterol
- Cigarette Smoking
- Physical Inactivity
- Overweight/Obesity

Modifying these behaviors and adhering to treatment for high blood pressure and cholesterol are critical both for preventing and for controlling cardiovascular disease.

**A total of 87.2% of Monterey County adults report one or more cardiovascular risk factors, such as being overweight, smoking cigarettes, being physically inactive, or having high blood pressure or cholesterol.**

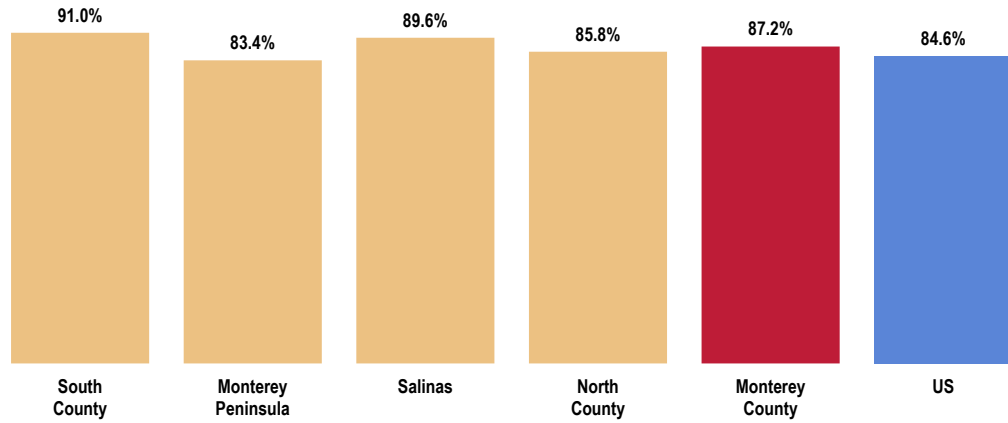
**BENCHMARK** ► Higher than the US finding.

**DISPARITY** ► Higher in the South County and Salinas areas. Men, adults over 40, low-income residents, Hispanic persons, and Black or African American persons demonstrate higher cardiovascular risk.

**RELATED ISSUE**  
 See also *Nutrition, Physical Activity & Weight* and *Tobacco Use* in the **Modifiable Health Risks** section of this report.



## Present One or More Cardiovascular Risks or Behaviors



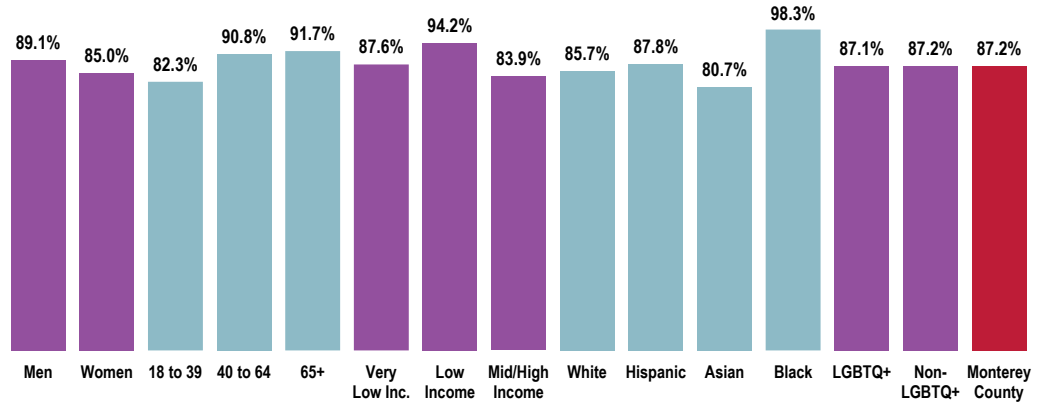
Sources: 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 115]
- 2020 PRC National Health Survey, PRC, Inc.

Notes: 

- Reflects all respondents.
- Cardiovascular risk is defined as exhibiting one or more of the following: 1) no leisure-time physical activity; 2) regular/occasional cigarette smoking; 3) high blood pressure; 4) high blood cholesterol; and/or 5) being overweight/obese.

## Present One or More Cardiovascular Risks or Behaviors (Monterey County, 2022)



Sources: 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 115]

Notes: 

- Reflects all respondents.
- Cardiovascular risk is defined as exhibiting one or more of the following: 1) no leisure-time physical activity; 2) regular/occasional cigarette smoking; 3) high blood pressure; 4) high blood cholesterol; and/or 5) being overweight/obese.

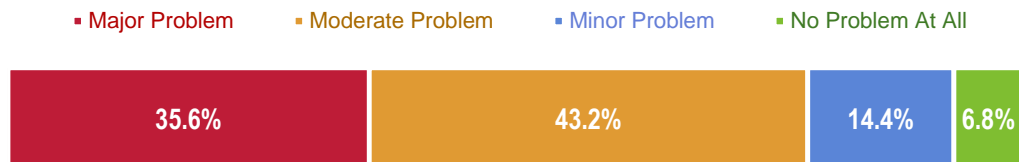




# Key Informant Input: Heart Disease & Stroke

The greatest share of key informants taking part in an online survey characterized *Heart Disease & Stroke* as a “moderate problem” in the community.

## Perceptions of Heart Disease and Stroke as a Problem in the Community (Key Informants, 2022)



Sources: • PRC Online Key Informant Survey, PRC, Inc.  
Notes: • Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

### Prevalence/Incidence

Heart disease and stroke are leading causes of premature death. – Public Health Representative

Nationally one of the leading causes of death. – Social Services Provider

Heart disease remains a leading cause of death and disability in our community. The risk is exacerbated by poor primary care access and lack of effective prevention programs. – Public Health Representative

Heart disease is the leading cause of death for men and women. – Public Health Representative

Younger people in our community are having strokes. Some of this is their general health and some of this is from addiction. Heart disease is a major complaint, HBP, and heart attacks seem to happen to lots of the community members. – Community Leader

Data suggests that heart disease and stroke continue to be major contributors to premature mortality. – Social Services Provider

There is an aging population on the peninsula and these conditions represent a large portion of the morbidity and mortality in that population. And in other parts of the county, we see a heavy burden of heart disease, even in a younger population, due to obesity and diabetes co-morbidities. – Physician

I don't have the specific data of incidences, but heart disease and strokes. Cardiovascular diseases cause one in three deaths in the US. So, I would assume that we have a similar prevalence. – Community Leader

### Co-Occurrences

Related to high rate of diabetes mellitus. – Social Services Provider

Heart disease continues to live hand in hand with diabetes. Diets that lack the proper nutrition and lack of physical activity. – Social Services Provider

We see a lot of diabetics who also have heart disease. Many end up without necessary surgery because they cannot be cleared medically for anesthesia because of heart disease. – Other Health Provider

Obesity, diabetes, and hypertension have a high prevalence in our community. – Physician

Diabetes and hypertension go hand in hand with heart disease. Since the numbers are so high in Monterey County, untreated and uncontrolled DM and HBP eventually cause heart disease. – Public Health Representative

### Awareness/Education

Lack of access to preventative care programs and education. Most of our outreach and messaging is not culturally appropriate and mainly in English. – Social Services Provider

Awareness of how to prevent/address heart disease and stroke, lack of safe spaces to exercise, access to healthy and affordable food. – Social Services Provider

Education and consistency with the importance of lipid and blood pressure control. – Physician

Misinformation and misunderstanding about the need for prevention, therefore people are uninformed about the need to get exercise and take their medications regularly. – Physician



## Diet

People are getting their heart arteries clogged from all the bad eating choices they are making. Stress is another issue that people go through, and it ends up causing them a stroke. – Community Leader

Poor diet, obesity, sedentary lifestyles and aging all contribute to this. – Community Leader

Diet and education. – Community Leader

## Aging Population

Major causes of morbidity and mortality in our aging communities. – Physician

They are among the leading causes of death in older adults which is the population we serve in our organization. Many of them are receiving ongoing treatment and medications for their condition. Others have had medical interventions that keep them independent enough to maintain some quality of life and emotionally well enough to socially engage with their families and community. The more resourced and educated seniors recognize the importance of a healthy lifestyle on their condition and are pro-active in learning about and accessing resources. Those less resourced and educated do not fare as well with these conditions. – Social Services Provider

## Stress

Stress and the social determinants of health are major contributing factors. More must be done to improve the quality of life for folks at all income levels, particularly BIPoC (farmworkers and migrants). – Public Health Representative

Stress. – Social Services Provider

## Weight Status

Higher rates of overweight/obesity lead to higher rates of heart disease and strokes. People don't have access to healthy foods and safe places to recreate. Delayed access to preventative care. – Public Health Representative

The community is overweight, and diets are poor. – Other Health Provider

## Access to Care for Persons Who Are Uninsured/Underinsured

We lack resources in the community to help those with this health concern. The concern is greatest in the uninsured population who lack resources to obtain healthcare services. We need more preventative and education services to live healthier lives especially those that lack resources to eat healthy and live healthy lives. – Other Health Provider

## Persons At Increased Risk for Adverse Health Outcomes

Because alcoholics and addicts who are not accessing health care services are susceptible. – Social Services Provider

## Lifestyle

We are a community of Latino background who does not eat [healthfully] or exercise. – Community Leader

## High Blood Pressure

High blood pressure. The majority of our guests eat unhealthy diets, which contributes to high blood pressure. – Social Services Provider



# CANCER

## ABOUT CANCER

Cancer is the second leading cause of death in the United States. ...The cancer death rate has declined in recent decades, but over 600,000 people still die from cancer each year in the United States. Death rates are higher for some cancers and in some racial/ethnic minority groups. These disparities are often linked to social determinants of health, including education, economic status, and access to health care.

Interventions to promote evidence-based cancer screenings — such as screenings for lung, breast, cervical, and colorectal cancer — can help reduce cancer deaths. Other effective prevention strategies include programs that increase HPV vaccine use, prevent tobacco use and promote quitting, and promote healthy eating and physical activity. In addition, effective targeted therapies and personalized treatment are key to helping people with cancer live longer.

– Healthy People 2030 (<https://health.gov/healthypeople>)

## Age-Adjusted Cancer Deaths

### All Cancer Deaths

**Between 2018 and 2020, there was an annual average age-adjusted cancer mortality rate of 116.7 deaths per 100,000 population in Monterey County.**

**BENCHMARK** ▶ Favorably lower than the US rate.

**TREND** ▶ Steadily decreasing over time.

**DISPARITY** ▶ Cancer mortality is highest among non-Hispanic White residents.

**Cancer: Age-Adjusted Mortality**  
(2018-2020 Annual Average Deaths per 100,000 Population)  
Healthy People 2030 = 122.7 or Lower

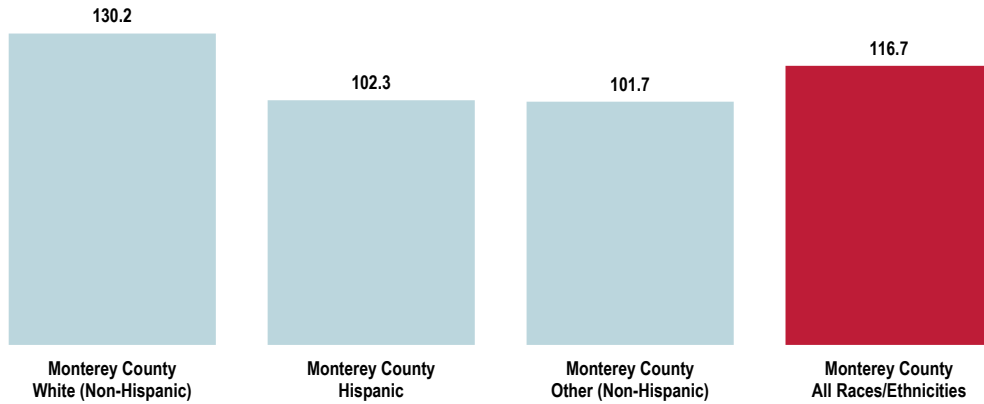


Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>



## Cancer: Age-Adjusted Mortality by Race (2018-2020 Annual Average Deaths per 100,000 Population)

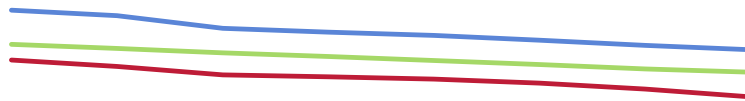
Healthy People 2030 = 122.7 or Lower



Sources:   
 • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.   
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

## Cancer: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 122.7 or Lower



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	140.0	136.0	130.6	129.4	127.9	125.4	121.6	116.7
CA	149.9	147.3	144.6	142.2	139.7	137.1	134.4	132.3
US	171.5	168.0	160.1	157.6	155.6	152.5	149.3	146.5

Sources:   
 • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.   
 • US Department of Health and Human Services. Healthy People 2030. August 2030. <http://www.healthypeople.gov>



## Cancer Deaths by Site

**Lung cancer is by far the leading cause of cancer deaths in Monterey County.**

Other leading sites include prostate cancer, female breast cancer, and colorectal cancer (both sexes).

**BENCHMARK** ► Lower than both state and national rates for each of the sites shown. Lung cancer mortality also satisfies the Healthy People 2030 objective by a significant margin.

**Age-Adjusted Cancer Death Rates by Site**  
(2018-2020 Annual Average Deaths per 100,000 Population)

	Monterey County	California	US	HP2030
<b>ALL CANCERS</b>	<b>116.7</b>	<b>132.3</b>	<b>146.5</b>	<b>122.7</b>
<b>Lung Cancer</b>	<b>20.1</b>	<b>23.7</b>	<b>33.4</b>	<b>25.1</b>
<b>Prostate Cancer</b>	<b>15.9</b>	<b>19.6</b>	<b>18.5</b>	<b>16.9</b>
<b>Female Breast Cancer</b>	<b>13.9</b>	<b>18.7</b>	<b>19.4</b>	<b>15.3</b>
<b>Colorectal Cancer</b>	<b>10.2</b>	<b>12.2</b>	<b>13.1</b>	<b>8.9</b>

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

## Cancer Incidence

“Incidence rate” or “case rate” is the number of newly diagnosed cases in a given population in a given year, regardless of outcome. These rates are also age-adjusted. It is usually expressed as cases per 100,000 population per year.

**The highest cancer incidence rates are for female breast cancer and prostate cancer.**

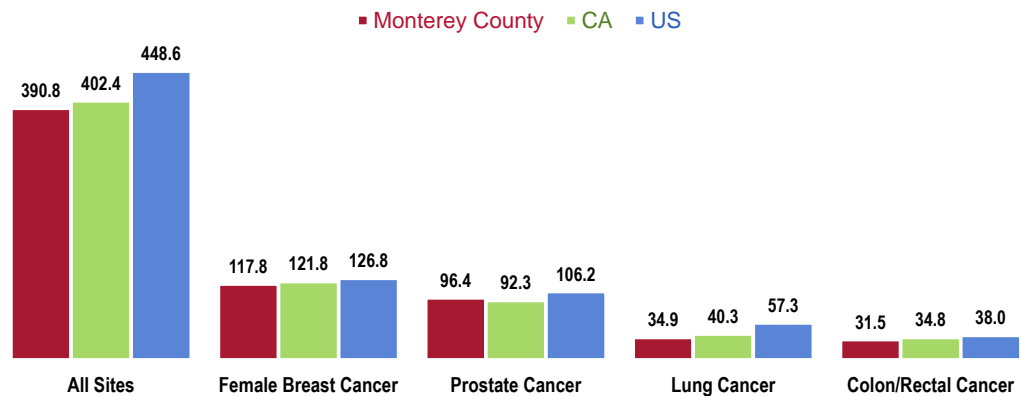
**BENCHMARK**

**Lung Cancer** ► Lower than both state and national rates.

**Colorectal Cancer** ► Lower than the national rate.



## Cancer Incidence Rates by Site (Annual Average Age-Adjusted Incidence per 100,000 Population, 2014-2018)



Sources: 

- State Cancer Profiles.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

Notes: 

- This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of cancers, adjusted to 2000 US standard population age groups (under age 1, 1-4, 5-9, ..., 80-84, 85 and older). This indicator is relevant because cancer is a leading cause of death and it is important to identify cancers separately to better target interventions.

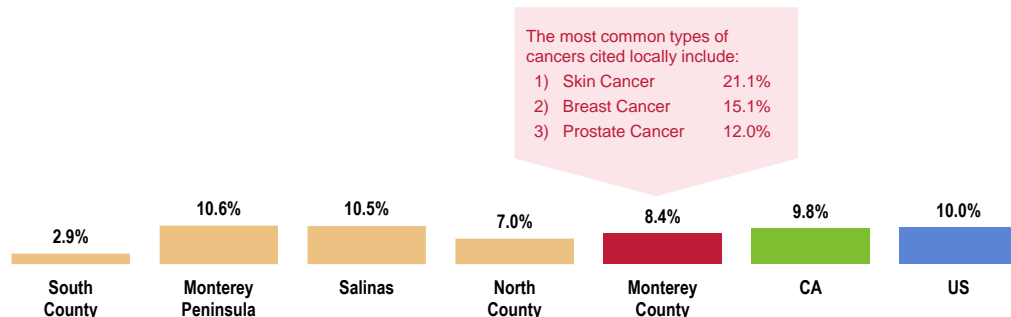
## Prevalence of Cancer

**A total of 8.4% of surveyed Monterey County adults report having ever been diagnosed with cancer. The most common types include skin cancer, breast cancer, and prostate cancer.**

**BENCHMARK** ▶ Lower than the California percentage.

**DISPARITY** ▶ Unfavorably high in the Monterey Peninsula and Salinas areas. Cancer prevalence increases sharply with age and is higher among White persons and residents living above the federal poverty level.

## Prevalence of Cancer



Sources: 

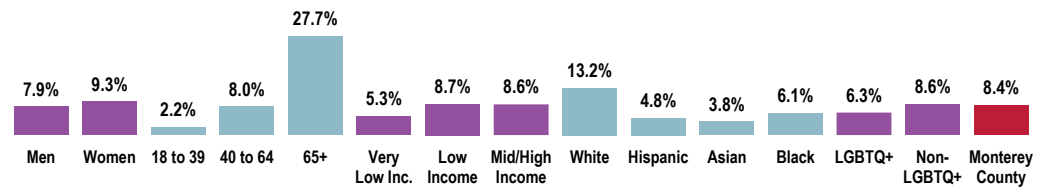
- 2022 PRC Community Health Survey, PRC, Inc. [Items 25-26]
- Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.
- 2020 PRC National Health Survey, PRC, Inc.

Notes: 

- Reflects all respondents.



## Prevalence of Cancer (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 25]  
Notes: • Reflects all respondents.

### ABOUT CANCER RISK

Reducing the nation's cancer burden requires reducing the prevalence of behavioral and environmental factors that increase cancer risk.

- All cancers caused by cigarette smoking could be prevented. At least one-third of cancer deaths that occur in the United States are due to cigarette smoking.
  - According to the American Cancer Society, about one-third of cancer deaths that occur in the United States each year are due to nutrition and physical activity factors, including obesity.
- National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention

**RELATED ISSUE**  
See also *Nutrition, Physical Activity & Weight and Tobacco Use* in the **Modifiable Health Risks** section of this report.



# Cancer Screenings

The American Cancer Society recommends that both men and women get a cancer-related checkup during a regular doctor's checkup. It should include examination for cancers of the thyroid, testicles, ovaries, lymph nodes, oral cavity, and skin, as well as health counseling about tobacco, sun exposure, diet and nutrition, risk factors, sexual practices, and environmental and occupational exposures.

Screening levels in the community were measured in the PRC Community Health Survey relative to three cancer sites: female breast cancer (mammography); cervical cancer (Pap smear/HPV testing); and colorectal cancer (colonoscopy/sigmoidoscopy and fecal occult blood testing).

## FEMALE BREAST CANCER

The US Preventive Services Task Force (USPSTF) recommends biennial screening mammography for women aged 50 to 74 years.

## CERVICAL CANCER

The US Preventive Services Task Force (USPSTF) recommends screening for cervical cancer every 3 years with cervical cytology alone in women aged 21 to 29 years. For women aged 30 to 65 years, the USPSTF recommends screening every 3 years with cervical cytology alone, every 5 years with high-risk human papillomavirus (hrHPV) testing alone, or every 5 years with hrHPV testing in combination with cytology (cotesting). The USPSTF recommends against screening for cervical cancer in women who have had a hysterectomy with removal of the cervix and do not have a history of a high-grade precancerous lesion (i.e., cervical intraepithelial neoplasia [CIN] grade 2 or 3) or cervical cancer.

## COLORECTAL CANCER

The US Preventive Services Task Force (USPSTF) recommends screening for colorectal cancer starting at age 50 years and continuing until age 75 years.

- US Preventive Services Task Force, Agency for Healthcare Research and Quality, US Department of Health & Human Services

Note that other organizations (e.g., American Cancer Society, American Academy of Family Physicians, American College of Physicians, National Cancer Institute) may have slightly different screening guidelines.

### Among women age 50-74, 82.6% have had a mammogram within the past 2 years.

**BENCHMARK** ▶ Higher than both the state and national findings. Satisfies the Healthy People 2030 objective.

**DISPARITY** ▶ Lower in the South County and Monterey Peninsula areas (not shown).

### Among Monterey County women age 21 to 65, 79.1% have had appropriate cervical cancer screening.

**BENCHMARK** ▶ Higher than the national rate, but fails to satisfy the Healthy People 2030 objective.

**DISPARITY** ▶ Lowest in the North County area (not shown).

“Appropriate cervical cancer screening” includes Pap smear testing (cervical cytology) every three years in women age 21 to 29 and Pap smear testing and/or HPV testing every 5 years in women age 30 to 65.



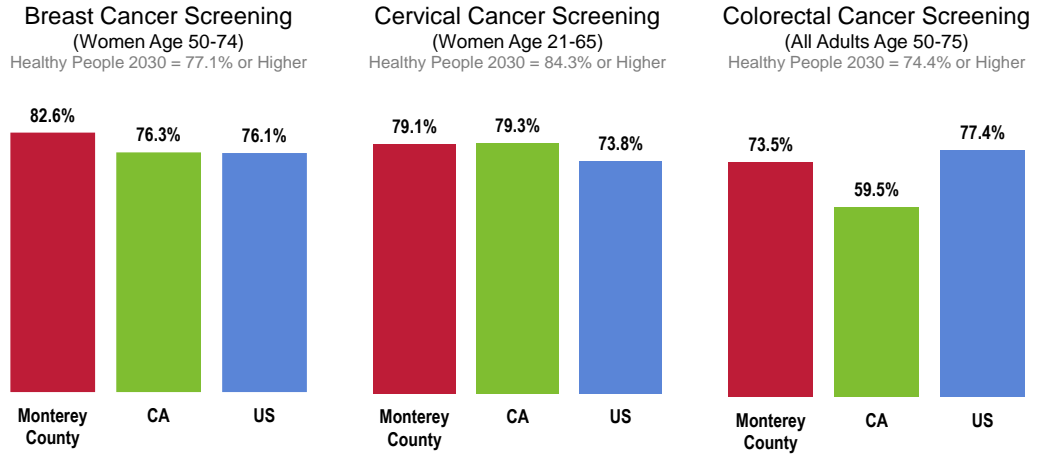


**Among all adults age 50-75, 73.5% have had appropriate colorectal cancer screening.**

**BENCHMARK** ▶ Higher than the California finding.

**DISPARITY** ▶ Lowest in the North County area (not shown).

“Appropriate colorectal cancer screening” includes a fecal occult blood test within the past year and/or a lower endoscopy (sigmoidoscopy or colonoscopy) within the past 10 years.



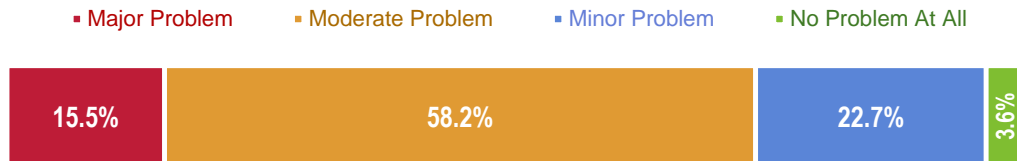
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Items 116-118]  
 • Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.  
 • 2020 PRC National Health Survey, PRC, Inc.  
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes: • Each indicator is shown among the gender and/or age group specified.

## Key Informant Input: Cancer

The greatest share of key informants taking part in an online survey characterized **Cancer** as a “moderate problem” in the community.

### Perceptions of Cancer as a Problem in the Community (Key Informants, 2022)



Sources: • PRC Online Key Informant Survey, PRC, Inc.  
 Notes: • Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

#### Prevalence/Incidence

- It seems to me that we have a large amount of people that end up with some sort of cancer issue. – Community Leader
- Too many suffer and die from it in our community. – Community Leader



There are still too many people dying from cancers that could be detected and treated early. Although access to screening has improved, the ability of the average person to access and pay for treatment is limited due to the high cost. In terms of prevention, Monterey County has many sources of known cancer-causing chemicals, again there have been improvements in some things such as pesticide use, there is still work to be done. In terms of equity, the burden of disease and death falls on those who have the least access to resources. – Public Health Representative

I used to hear a lot about breast cancer and now I'm hearing quite a few men talk about having prostate cancer. It could be that they are discussing more, but I also would guess that there is an increase in prevalence. – Community Leader

It's one of the major causes of death in Monterey County. – Public Health Representative

Last I knew it was on the list of causes of premature death in the county. – Community Leader

High frequency of new cases. – Physician

## Access to Care/Services

There are no services currently available locally and folks need to go north for consultations and treatment. Would be good to be able to have some treatments administered locally. – Community Leader

There are suboptimal resources for patients with cancer. – Physician

I believe we do not have any facility that I know of in Monterey County that specifically deals with cancer patients and helping their families deal with it. – Other Health Provider

## Persons At Increased Risk for Adverse Health Outcomes

The population of Monterey County is nearly 60% Latino. Cancer is the #1 cause of death for Latinos. Although there are two community cancer centers (CHOMP and SVMH) the county hospital Natividad Medical Center, admirable in so many respects, does not offer medical treatment for cancer. This has grave implications and fragmented or no treatment or cancer care for low-income Latinos - and generally for farm workers, immigrants and other traditionally underserved populations. – Community Leader

We continue to see high incidences of cancer among our low-income residents. This can be attributed to income disparity among our Latino communities who must choose between paying the rent, feeding their families, or childcare. Taking care of their health and getting preventative care takes a back seat as opposed to taking care of the family. – Social Services Provider

## Access to Care for Persons Who Are Uninsured/Underinsured

I believe it goes undetected because patients are not doing their routine checkup because they don't have insurance, maybe due to loss of job or unable to afford to pay for co-pays and out of pocket costs. – Social Services Provider

## Affordable Care/Services

While we may or may not have similar rates of cancer in the community, we have a problem (along with every other community) with the extremely high cost of chemotherapy. Most importantly, though, we engage in significant over-treatment from not acknowledging when treatment is futile soon enough - and transitioning to hospice or comfort care. – Physician

## Prevention/Screenings

Many people hold off on health screenings that can help detect cancer at an early stage. – Social Services Provider

## Prevention/Screening

Many people are not aware of the signs of cancer and the local hospitals do not want to spend the time testing people until it is too late. – Community Leader

## Access to Affordable Healthy Food

Former Fort Ord Military Base. Limited access to healthy food. – Social Services Provider

## Environmental Contributors

Agricultural pesticides. – Community Leader



# RESPIRATORY DISEASE

## ABOUT RESPIRATORY DISEASE

Respiratory diseases affect millions of people in the United States. ...More than 25 million people in the United States have asthma. Strategies to reduce environmental triggers and make sure people get the right medications can help prevent hospital visits for asthma. In addition, more than 16 million people in the United States have COPD (chronic obstructive pulmonary disease), which is a major cause of death. Strategies to prevent the disease — like reducing air pollution and helping people quit smoking — are key to reducing deaths from COPD.

Interventions tailored to at-risk groups can also help prevent and treat other respiratory diseases — for example, pneumonia in older adults and pneumoconiosis in coal miners. And increasing lung cancer screening rates can help reduce deaths from lung cancer through early detection and treatment.

– Healthy People 2030 (<https://health.gov/healthypeople>)

## Age-Adjusted Respiratory Disease Deaths

### Chronic Lower Respiratory Disease Deaths (CLRD)

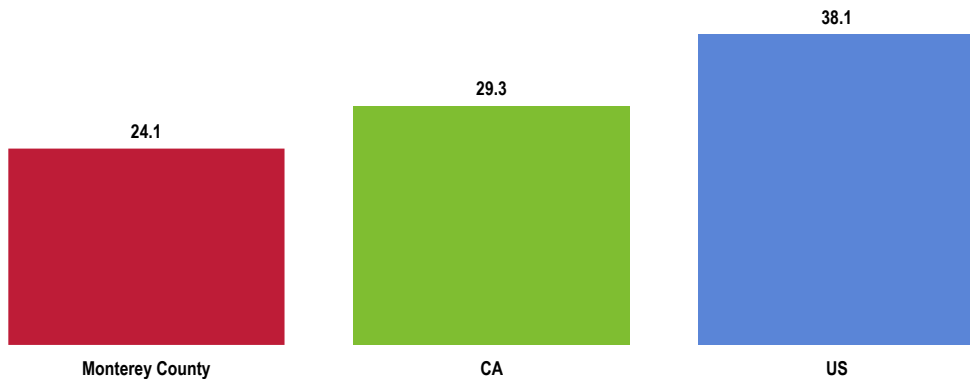
**Between 2018 and 2020, there was an annual average age-adjusted CLRD mortality rate of 24.1 deaths per 100,000 population in Monterey County.**

**BENCHMARK** ▶ Lower than both the state and national rates.

**TREND** ▶ Decreasing over time.

**DISPARITY** ▶ CLRD mortality is highest among White persons in the county.

**CLRD: Age-Adjusted Mortality**  
(2018-2020 Annual Average Deaths per 100,000 Population)

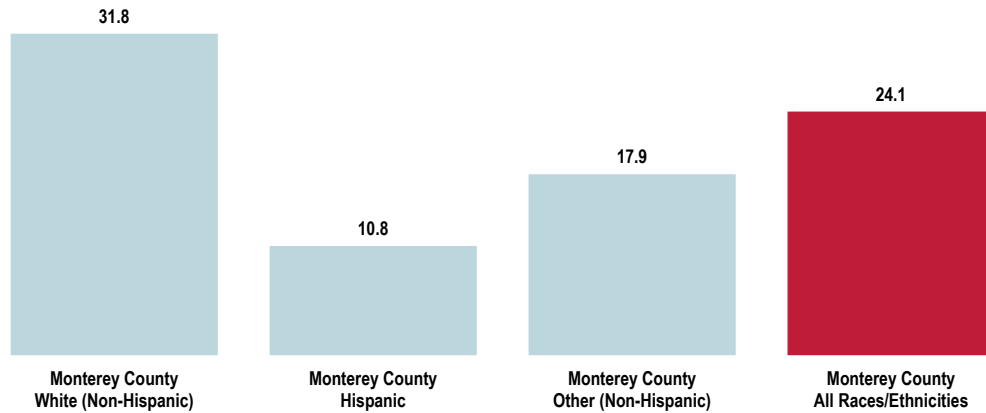


Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

Notes: • CLRD is chronic lower respiratory disease.

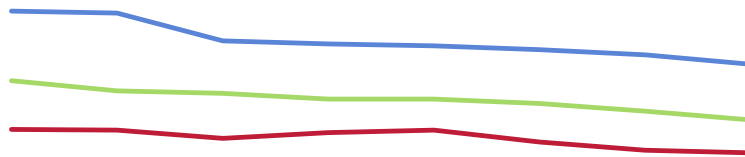


## CLRD: Age-Adjusted Mortality by Race (2018-2020 Annual Average Deaths per 100,000 Population)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
Notes: • CLRD is chronic lower respiratory disease.

## CLRD: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	27.8	27.7	26.4	27.3	27.7	25.8	24.5	24.1
CA	35.5	33.9	33.5	32.6	32.6	31.9	30.7	29.3
US	46.5	46.2	41.8	41.3	41.0	40.4	39.6	38.1

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
Notes: • CLRD is chronic lower respiratory disease.



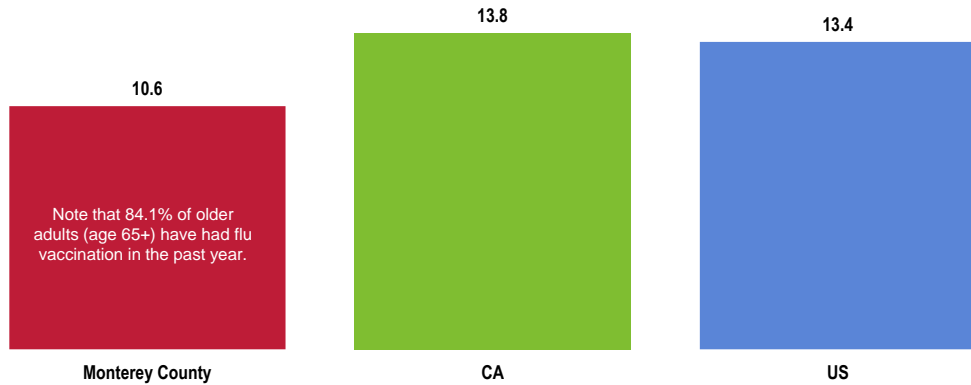
## Pneumonia/Influenza Deaths

Between 2018 and 2020, Monterey County reported an annual average age-adjusted pneumonia/influenza mortality rate of 10.6 deaths per 100,000 population.

**BENCHMARK** ▶ Lower than both the state and national rates.

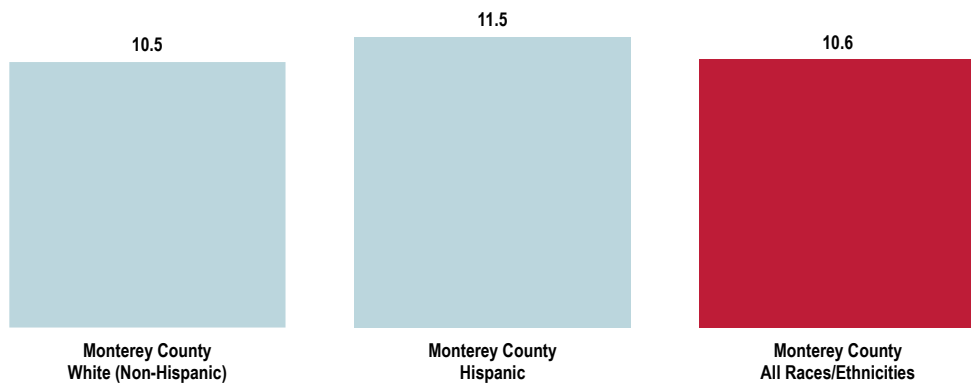
**TREND** ▶ Generally decreasing over time.

### Pneumonia/Influenza: Age-Adjusted Mortality (2018-2020 Annual Average Deaths per 100,000 Population)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 124]  
• CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

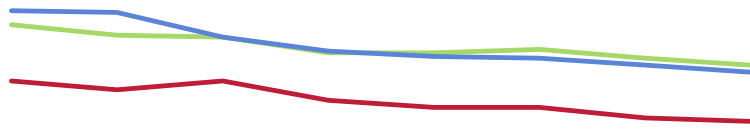
### Pneumonia/Influenza: Age-Adjusted Mortality by Race (2018-2020 Annual Average Deaths per 100,000 Population)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.



## Pneumonia/Influenza: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	12.9	12.4	12.9	11.8	11.4	11.4	10.8	10.6
CA	16.1	15.5	15.4	14.5	14.5	14.7	14.2	13.8
US	16.9	16.8	15.4	14.6	14.3	14.2	13.8	13.4

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

## Prevalence of Respiratory Disease

### Asthma

#### Adults

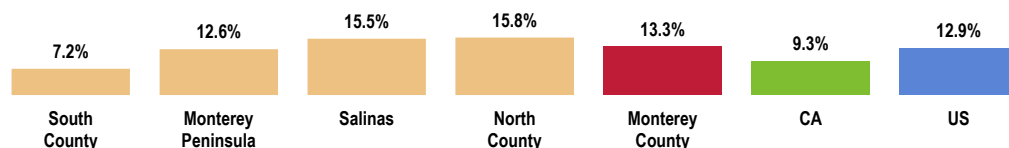
**A total of 13.3% of Monterey County adults currently suffer from asthma.**

**BENCHMARK** ▶ Higher than the California percentage.

**DISPARITY** ▶ Lowest in the South County area. Asthma prevalence is higher among younger adults (age 18 to 39), as well as among Hispanic residents, Black residents, and LGBTQ+ residents.

Survey respondents were asked to indicate whether they suffer from or have been diagnosed with various respiratory conditions, including asthma and COPD.

### Prevalence of Asthma

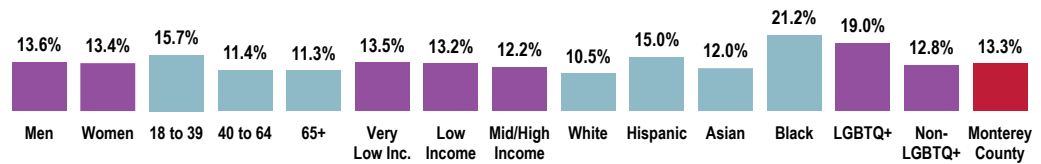


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 119]  
 • Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.  
 • 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents.  
 • Includes those who have ever been diagnosed with asthma and report that they still have asthma.



## Prevalence of Asthma (Monterey County, 2022)



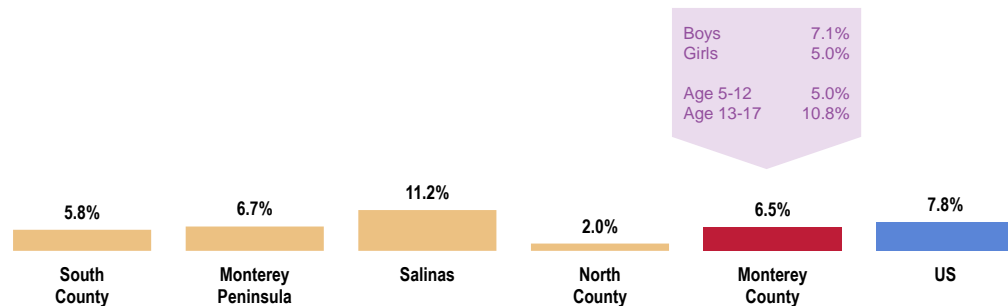
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 119]  
 Notes: • Asked of all respondents.  
 • Includes those who have ever been diagnosed with asthma and report that they still have asthma.

### Children

Among Monterey County children under age 18, 6.5% currently have asthma.

DISPARITY ► Highest in the Salinas area. Higher among teens.

## Prevalence of Asthma in Children (Parents of Children Age 0-17)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 120]  
 • 2020 PRC National Health Survey, PRC, Inc.  
 Notes: • Asked of all respondents with children 0 to 17 in the household.  
 • Includes children who have ever been diagnosed with asthma and are reported to still have asthma.

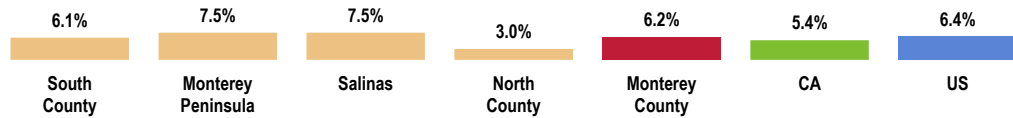


## Chronic Obstructive Pulmonary Disease (COPD)

A total of 6.2% of Monterey County adults suffer from chronic obstructive pulmonary disease (COPD).

DISPARITY ► Lowest among North County residents.

### Prevalence of Chronic Obstructive Pulmonary Disease (COPD)



Sources:
 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 23]
- Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC); 2021 California data.
- 2020 PRC National Health Survey, PRC, Inc.

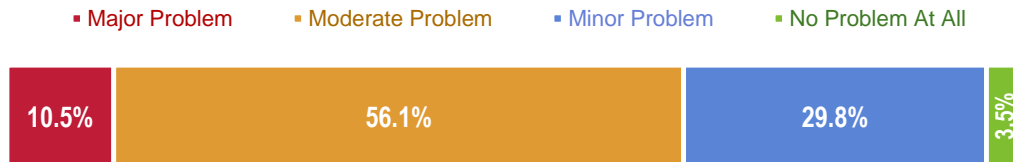
 Notes:
 

- Asked of all respondents.
- Includes those having ever suffered from or been diagnosed with COPD or chronic obstructive pulmonary disease, including bronchitis or emphysema.

## Key Informant Input: Respiratory Disease

A majority of key informants taking part in an online survey characterized *Respiratory Disease* as a “moderate problem” in the community.

### Perceptions of Respiratory Diseases as a Problem in the Community (Key Informants, 2022)



Sources:
 

- PRC Online Key Informant Survey, PRC, Inc.

 Notes:
 

- Asked of all respondents.





Among those rating this issue as a “major problem,” reasons related to the following:

## Environmental Contributors

Pesticides. – Community Leader

Many residents affected by pesticides and other contaminants in the community due to farming and other factories locally. – Other Health Provider

I don't see this as much, but from the Chamaecos study, we can attribute some of it to the pesticides used in agriculture. – Social Services Provider

Pesticide exposure. There are lots of pesticides applied in our agricultural fields and communities that live beside the fields, including children in some schools, may have several years to a lifetime of cumulative exposures due to pesticide drift. – Social Services Provider

## Prevalence/Incidence

Higher than statistically expected levels of asthma are prevalent in the community. – Community Leader

## Lack of Providers

Lack of access to pulmonary physicians. – Physician

## Nutrition

Food choices. – Social Services Provider

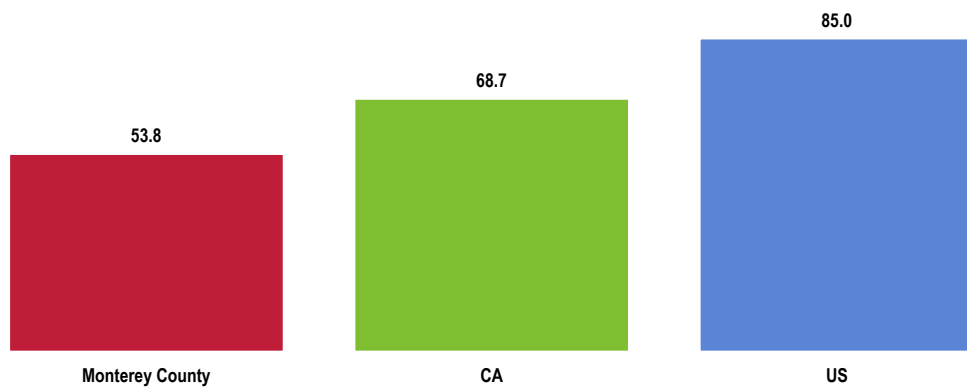
# COVID-19

## Age-Adjusted COVID-19 Deaths

**Monterey County reported 53.8 age-adjusted COVID-19 deaths per 100,000 population in 2020.**

**BENCHMARK** ▶ Lower than both the state and national mortality rates.

**COVID-19: Age-Adjusted Mortality**  
(2020 Annual Average Deaths per 100,000 Population)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.



## COVID-19 Vaccination Status

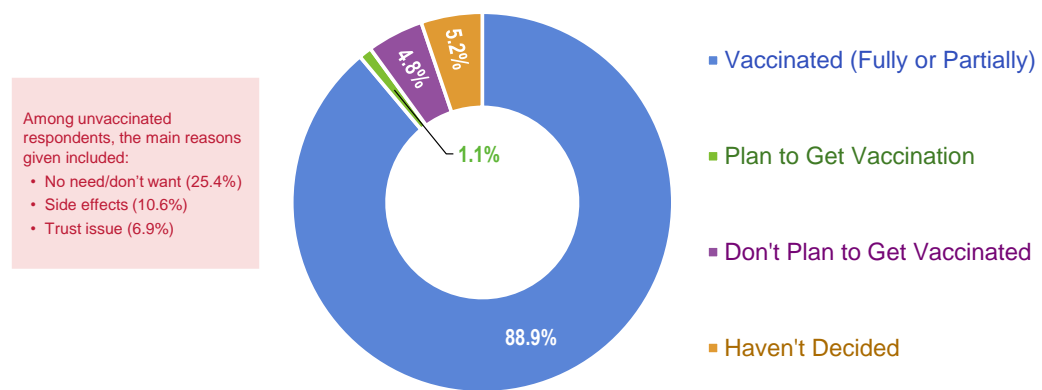
A total of 88.9% of Monterey County residents are fully or partially vaccinated, with another 1.1% planning to get vaccinated.

**DISPARITY** ▶ Vaccination rates are lowest in the North County area (82.6% fully or partially vaccinated).

In contrast, 4.8% of respondents do not plan on getting vaccinated, and 5.2% haven't decided whether or not to get vaccinated.

Among unvaccinated respondents, the primary reasons given for not receiving the vaccine include not feeling a need/not wanting to, concerns about side effects, and a lack of trust in the vaccine.

Prevalence of COVID-19 Vaccination  
(Total Service Area, 2022)

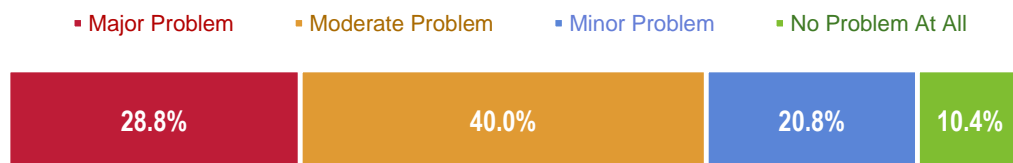


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Items 319-320]  
Notes: • Asked of all respondents.

## Key Informant Input: Coronavirus Disease/COVID-19

The greatest share of key informants taking part in an online survey characterized *Coronavirus Disease/COVID-19* as a “moderate problem” in the community.

Perceptions of Coronavirus Disease/COVID-19  
as a Problem in the Community  
(Key Informants, 2022)



Sources: • PRC Online Key Informant Survey, PRC, Inc.  
Notes: • Asked of all respondents.



Among those rating this issue as a “major problem,” reasons related to the following:

## Impact on Quality of Life

This is a major problem for most communities as it relates to not only people getting ill, but also destabilization of livelihood due to income challenges, access to basic needs, displacement from housing. – Community Leader

It has adversely affected physical health, the economy, educational achievement and mental health. It has constricted social interaction. – Community Leader

Impacting every aspect of our lives. – Social Services Provider

The impacts of the COVID-19 pandemic will be felt for years. This includes people who have lost loved ones which affects families emotionally, financially, and physically. The virus is still circulating and mutating, it is unknown what the future will bring. The aftermath of the response which included people being isolated from one another, kids not going to school, loss of jobs/income, and long term COVID effects have shaken the community. There is also an overall “meanness” that has descended on the community, people are acting in their interest alone and not the community’s interest. Tempers are shorter. People who have been involved with the response are burned out and exhausted. There are those who worked the front lines who will change careers, which could lead to a bigger worker shortage in some areas. There is also a growing group of people, may be small right now, who do not trust messages from government, could be CDC, FDA or local & state government, & they are vocal. – Public Health Representative

Because the pandemic has polarized the community and led to major behavioral changes in a large segment of the population, including increases in anxiety disorder and increases in substance abuse. The response to the pandemic, now two years later, has resulted in a shift in employment practices and expectations like the great resignation, rebalance of work/personal time, demand to work from home and a schism between jobs like those in healthcare that require in person contact for success, vs jobs that are well served remotely. The school response has led to an increased need for childcare and the expectations of what childcare includes (homework support). Some students taking classes remotely are abusing alcohol and drugs, more depressed and anxious. We have seen an uptick in fentanyl overdoses, Logistically, we have a huge space deficit as we continue to social distance. Masking and other protocols have reduced other respiratory ailments. – Other Health Provider

Pandemic has caused tremendous economic loss, delayed educational opportunities for children, and pushed families already struggling before COVID-19 into more stressful and unhealthy situations. Furthermore, the underlying causes of many of the health disparities seen during the pandemic have not been addressed, such as lack of affordable housing and paid sick leave, or improved in the last 2 years leaving communities in a worse place than pre-pandemic. – Public Health Representative

## Vaccination Rates

We still have folks that are vaccine hesitant and until our 0- to 5-year-olds are able to be vaccinated, there is a risk to them and our general community at large. The numbers are also starting to pick up again. – Community Leader

There continues to be a shortfall in the number/percentage of our county who have been vaccinated and boosted. There continues to be misinformation fueling vaccine hesitancy. – Physician

We still have lots of people who are not vaccinated. – Physician

While vaccination rates are higher than other CA counties and other states, we also deal with vaccination hesitancy, varying/limited access to vaccinations and testing and resources for residents testing positive or dealing with hospitalizations/death of family members. Also, there is ongoing uncertainty regarding the future (more variants, etc.) – Social Services Provider

Low percentage of vaccinated residents. – Social Services Provider

While vaccination rates are higher than other CA counties and other states, we also deal with vaccination hesitancy, varying/limited access to vaccinations and testing and resources for residents testing positive or dealing with hospitalizations/death of family members. Also, there is ongoing uncertainty regarding the future (more variants, etc.) – Social Services Provider

Our community was one of the highest rated locations for coronavirus infections. Per county zip code COVID-19 vaccine data, 61% of our community has received the first dose compared to the county of 77% for first dose and 69% fully vaccinated. – Social Services Provider

Hesitancy from some people to get vaccinated. – Public Health Representative

## Prevalence/Incidence

High transmission rate, communal housing amplifies spread, lack of education about vaccine. – Social Services Provider

COVID has been a major problem in every community, and I think ours has done a great job at getting those with less access to healthcare vaccines. – Community Leader

Ongoing infections. – Physician



COVID-19 variants are changing on a daily basis. Virus spikes are often happening after holiday seasons. Low vaccination rates amongst children between ages 5-11 years old. COVID-19 has affected our senior community, a very vulnerable population. – Social Services Provider

Infectious disease, including TB, valley fever and syphilis, not to mention COVID, have been steadily increasing. Prevention services, education and programs to build natural immunity are limited. – Community Leader

Seasonal surges put a huge strain on our hospitals, with Emergency Rooms and inpatient wards at near max capacity. Quarantine and isolation are also huge challenges for working adults, particularly those with school age children. – Physician

## Persons At Increased Risk for Adverse Health Outcomes

Long term disinvestment in communities of color have led to inequities related to social determinants of health. COVID-19 surges result in significant differences in impact with higher rates in communities of color due to these differences in SDoH, such as overcrowded housing due to high cost of living and low wages for essential workers. – Social Services Provider

Lack of accommodations for immunocompromised people. This became evident with the COVID pandemic and society's desire to return to "normalcy". This has left immunocompromised and other at-risk people to navigate the world without any supports and constant questions and insults from people when attempting to mask and/or social distance. The consistent answer that deprives people from social and civic engagement and contributes to mental health problems is "just stay home." – Social Services Provider

The infection and death rate has hit the Latino farmworker community disproportionately hard. Overcrowded housing conditions, lack of medical services and insurance coverage, the need to work during the pandemic as essential workers, the lack of sick leave and some benefits, forced workers to work despite feeling ill. – Community Leader

## Awareness/Education

Confusing messaging seems to create a fear of accessing both immediate and preventive medical and dental care. – Other Health Provider

Consistent education and communication is key for locals and visitors alike. – Physician

Under reporting. Mixed messages. – Other Health Provider

## Access to Care/Services

Many of our students have lost loved ones, many were essential workers that couldn't miss work and continued despite being sick and didn't access health care. – Social Services Provider

Access to services and resources are not equitable in the community. The lowest income people living in rural areas are affected more than others. COVID-19 has impacted the health care system and preventive health care services are affected. – Other Health Provider

There are not hospitals or medical care in town or programs to help with any COVID-19 related issue. – Community Leader

## Housing

Some high-density neighborhoods. Multiple families sharing single households. Hospitality and agriculture work environments make it difficult for some to work safely. – Social Services Provider

The housing, including overcrowding, and language challenges many of our neighbors face. – Physician

## Disease Management

People do not follow protocol. – Social Services Provider

## Funding

In my opinion, some of the money can be spent better or programs such as VIDA could hire more qualified people. There is a void of true assistance for community members that become infected. – Social Services Provider



# INJURY & VIOLENCE

## ABOUT INJURY & VIOLENCE

**INJURY** ► In the United States, unintentional injuries are the leading cause of death in children, adolescents, and adults younger than 45 years. ...Many unintentional injuries are caused by motor vehicle crashes and falls, and many intentional injuries involve gun violence and physical assaults. Interventions to prevent different types of injuries are key to keeping people safe in their homes, workplaces, and communities.

Drug overdoses are now the leading cause of injury deaths in the United States, and most overdoses involve opioids. Interventions to change health care providers' prescribing behaviors, distribute naloxone to reverse overdoses, and provide medications for addiction treatment for people with opioid use disorder can help reduce overdose deaths involving opioids.

**VIOLENCE** ► Almost 20,000 people die from homicide every year in the United States, and many more people are injured by violence. ...Many people in the United States experience physical assaults, sexual violence, and gun-related injuries. Adolescents are especially at risk for experiencing violence. Interventions to reduce violence are needed to keep people safe in their homes, schools, workplaces, and communities.

Children who experience violence are at risk for long-term physical, behavioral, and mental health problems. Strategies to protect children from violence can help improve their health and well-being later in life.

– Healthy People 2030 (<https://health.gov/healthypeople>)

## Unintentional Injury

### Age-Adjusted Unintentional Injury Deaths

**Between 2018 and 2020, there was an annual average age-adjusted unintentional injury mortality rate of 41.6 deaths per 100,000 population in Monterey County.**

**BENCHMARK** ► Lower than the national rate.

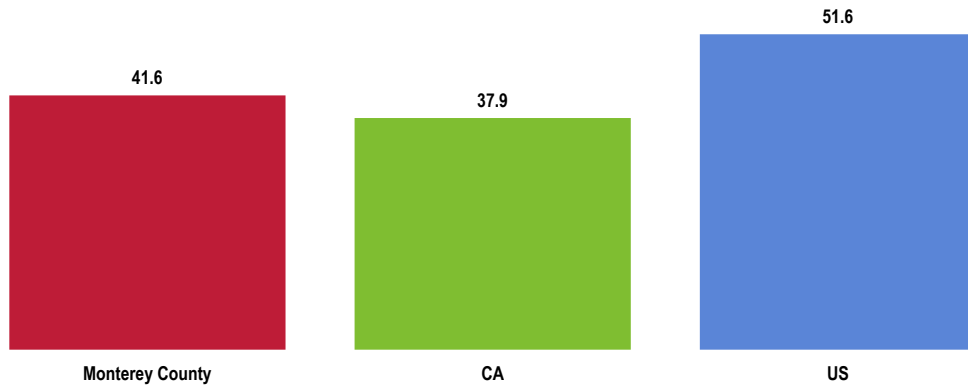
**TREND** ► Increasing steadily over the past decade.

**DISPARITY** ► Unintentional injury deaths are higher among non-Hispanic White residents.



## Unintentional Injuries: Age-Adjusted Mortality (2018-2020 Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 43.2 or Lower

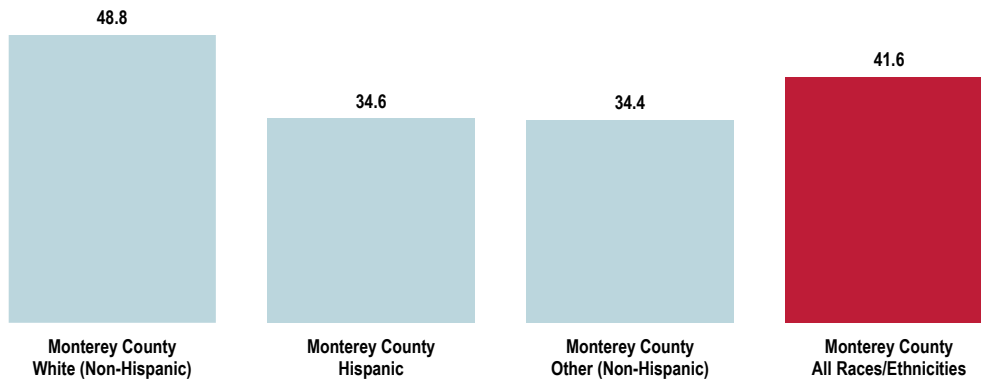


Sources: 

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

## Unintentional Injuries: Age-Adjusted Mortality by Race (2018-2020 Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 43.2 or Lower

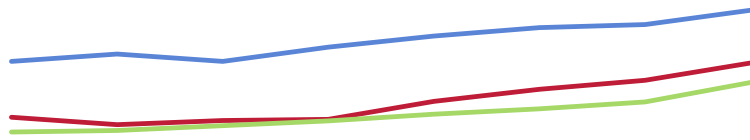


Sources: 

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>



## Unintentional Injuries: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population) Healthy People 2030 = 43.2 or Lower



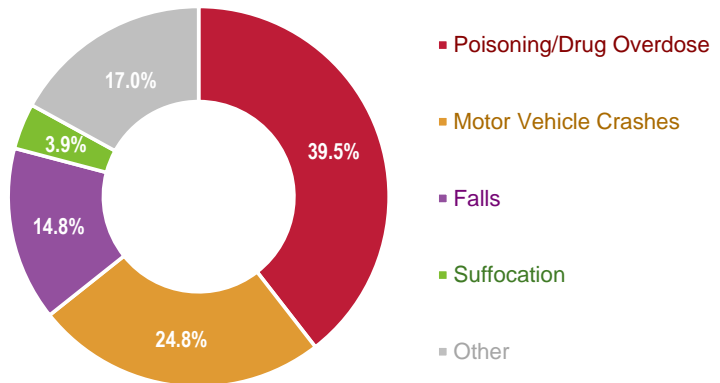
	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	31.3	29.9	30.7	30.9	34.3	36.6	38.3	41.6
CA	28.5	28.8	29.7	30.6	31.9	32.9	34.2	37.9
US	41.9	43.3	41.9	44.6	46.7	48.3	48.9	51.6

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2030. <http://www.healthypeople.gov>

## Leading Causes of Unintentional Injury Deaths

**Poisoning (including unintentional drug overdose), motor vehicle crashes, falls, and suffocation accounted for most unintentional injury deaths in Monterey County between 2018 and 2020.**

### Leading Causes of Unintentional Injury Deaths (Monterey County, 2018-2020)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

**RELATED ISSUE**  
For more information about unintentional drug-related deaths, see also *Substance Use* in the **Modifiable Health Risks** section of this report.



# Intentional Injury (Violence)

## Age-Adjusted Homicide Deaths

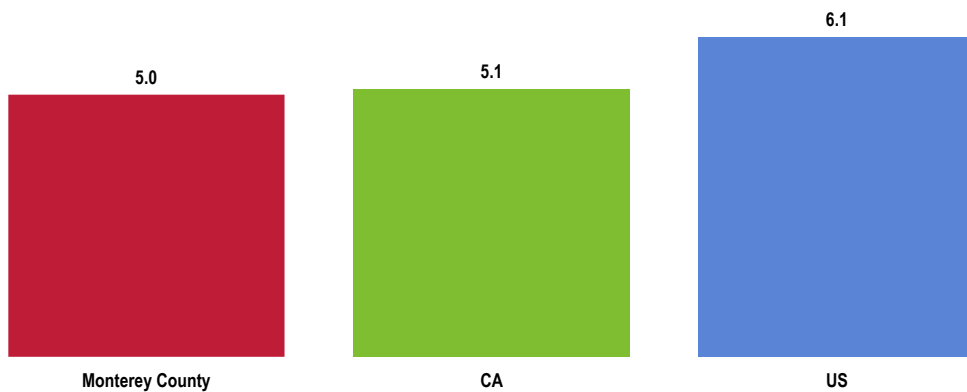
In Monterey County, there were 5.0 homicides per 100,000 population (2018-2020 annual average age-adjusted rate).

**BENCHMARK** ► Favorably lower than the national rate.

**TREND** ► Decreasing sharply since the 2015-2017 reporting period.

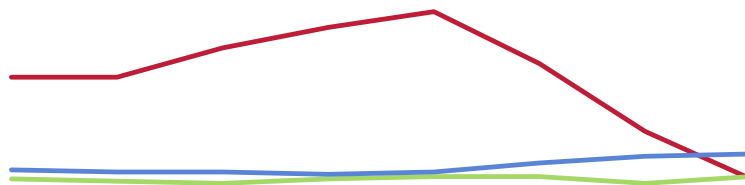
**RELATED ISSUE**  
See also *Mental Health (Suicide)* in the **General Health Status** section of this report.

**Homicide: Age-Adjusted Mortality**  
(2018-2020 Annual Average Deaths per 100,000 Population)  
Healthy People 2030 = 5.5 or Lower



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

**Homicide: Age-Adjusted Mortality Trends**  
(Annual Average Deaths per 100,000 Population)  
Healthy People 2030 = 5.5 or Lower



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	9.5	9.5	10.8	11.7	12.4	10.1	7.1	5.0
CA	5.0	4.9	4.8	5.0	5.1	5.1	4.8	5.1
US	5.4	5.3	5.3	5.2	5.3	5.7	6.0	6.1

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2030. <http://www.healthypeople.gov>





## Violent Crime

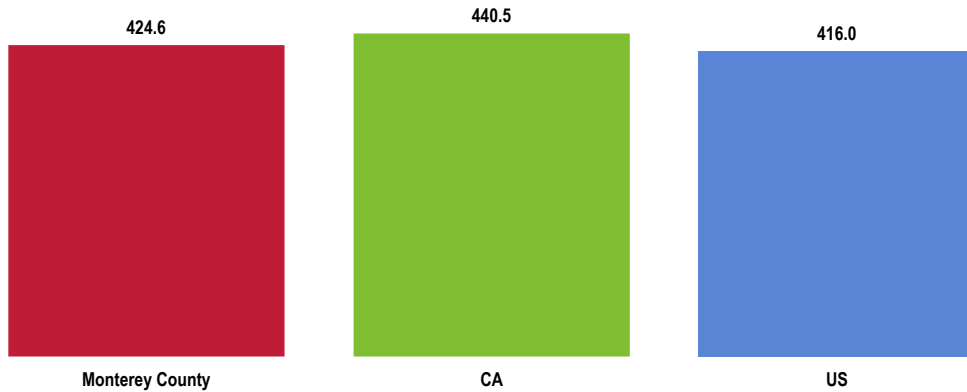
### Violent Crime Rates

Between 2014 and 2016, there were a reported 424.6 violent crimes per 100,000 population in Monterey County.

Violent crime is composed of four offenses (FBI Index offenses): murder and non-negligent manslaughter; forcible rape; robbery; and aggravated assault.

Note that the quality of crime data can vary widely from location to location, depending on the consistency and completeness of reporting among various jurisdictions.

Violent Crime  
(Rate per 100,000 Population, 2014-2016)



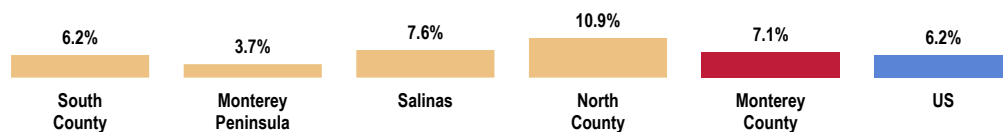
- Sources:
- Federal Bureau of Investigation, FBI Uniform Crime Reports.
  - Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).
- Notes:
- This indicator reports the rate of violent crime offenses reported by the sheriff's office or county police department per 100,000 residents. Violent crime includes homicide, rape, robbery, and aggravated assault. This indicator is relevant because it assesses community safety.
  - Participation by law enforcement agencies in the UCR program is voluntary. Sub-state data do not necessarily represent an exhaustive list of crimes due to gaps in reporting. Also, some institutions of higher education have their own police departments, which handle offenses occurring within campus grounds; these offenses are not included in the violent crime statistics but can be obtained from the Uniform Crime Reports Universities and Colleges data tables.

### Community Violence

A total of 7.1% of surveyed Monterey County adults acknowledge being the victim of a violent crime in the area in the past five years.

**DISPARITY** ► Highest in the North County area. Violent crime experience decreases with age but is higher among Hispanic individuals and LGBTQ+ respondents.

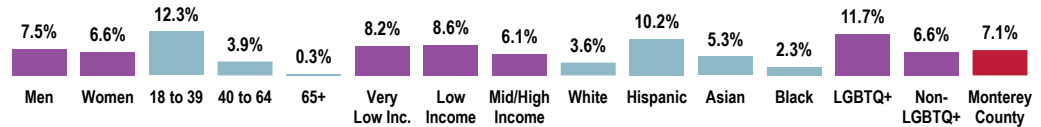
### Victim of a Violent Crime in the Past Five Years



- Sources:
- 2022 PRC Community Health Survey, PRC, Inc. [Item 38]
  - 2020 PRC National Health Survey, PRC, Inc.
- Notes:
- Asked of all respondents.



## Victim of a Violent Crime in the Past Five Years (Monterey County, 2022)

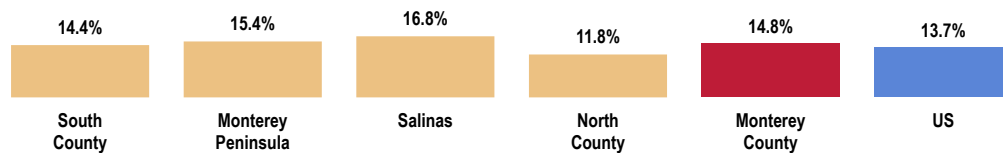


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 38]  
 Notes: • Asked of all respondents.

### Intimate Partner Violence

**A total of 14.8% of Monterey County adults acknowledge that they have ever been hit, slapped, pushed, kicked, or otherwise hurt by an intimate partner.**

### Have Ever Been Hit, Slapped, Pushed, Kicked, or Hurt in Any Way by an Intimate Partner



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 39]  
 • 2020 PRC National Health Survey, PRC, Inc.  
 Notes: • Asked of all respondents.

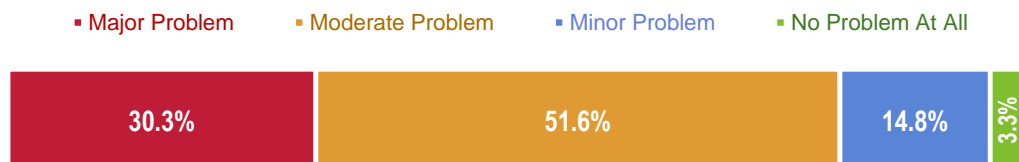
Respondents were read: "By an intimate partner, I mean any current or former spouse, boyfriend, or girlfriend. Someone you were dating, or romantically or sexually intimate with would also be considered an intimate partner."



# Key Informant Input: Injury & Violence

A narrow majority of key informants taking part in an online survey characterized *Injury & Violence* as a “moderate problem” in the community.

## Perceptions of Injury and Violence as a Problem in the Community (Key Informants, 2022)



Sources: • PRC Online Key Informant Survey, PRC, Inc.  
Notes: • Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

### Gang Violence

- We have a large amount of violent injuries that present to the hospital due to gang violence etc. – Other Health Provider
- Gang violence. – Social Services Provider
- We have gang shootings very frequently in our county. – Community Leader
- Obvious, gang violence. Also, the background incidence of domestic violence. – Physician
- Gang wars and drugs. – Physician
- Violence rates are increasing in Salinas. It's mostly gang-related - and we have been here before, but it's been a few years. I'm not sure if Fentanyl is included here - but along with the rest of the country - more and more drugs sold on the street are laced with Fentanyl and sadly - people are dying from this. – Community Leader
- We live in gang infested areas and violent crime is rampant. Every day you see the police catch some youngster with ghost guns, there at shootings, carjacking, thefts, etc. – Community Leader
- Gang violence and gang affiliation in the Salinas and South Monterey County regions continues to be a problem as resources for youth to choose alternatives to violence is limited. – Community Leader

### Prevalence/Incidence

- We have a huge increase of patients coming in with self-harm, stabbing themselves, shooting themselves, hangings, along with an increase of shootings in the community. There seems to be a big shift in the police department- not sure if less officers and more officers retiring due to the pandemic and the defund the police atmosphere. – Other Health Provider
- The disproportionate rate of violence relative to our community's size. – Public Health Representative
- Natividad has a Trauma Center that exists to meet a demonstrated gap in services for treating traumatic and violent injuries. Violence is increasing again in Monterey County. – Social Services Provider
- I work in a school and my students daily inform me about acts of violence they have heard about or witnessed involving people they know. – Community Leader
- Every day on the local news there is a story about violence and injury in the county. Shootings, stabbings, car crashes, the list goes on. – Public Health Representative
- Rates of injury and violence are high in many Monterey County communities. – Public Health Representative
- Violence has been increasing in all areas of Monterey County, even on the peninsula. The violence almost always results in injuries. – Social Services Provider

### Domestic/Family Violence

- Domestic violence, drunk driving, easy access to guns and gun violence all contribute to make this a major problem. – Physician
- Our clients are victims of domestic violence and/or human trafficking. Through their experiences we are aware of greater community need. – Social Services Provider



Domestic Violence is seeing a high and beds/rooms/shelters are not readily available. People who are fleeing unsafe situations should be immediately cared for. If our shelters are full, have an overflow available Our first responders are sometimes too busy to help with restraining orders, or those that break restraining orders are “talked to” but not punished for breaking orders. – Social Services Provider

### Access to Care/Services

Lack of quality mental health services and very limited resources and support for local police agencies. – Other Health Provider

There are no services that address abuse, drug/alcohol abuse treatment, and gangs. – Physician

### Alcohol/Drug Use

There are many issues with drug and alcohol abuse as well as gang issues. – Other Health Provider

Alcohol/substance abuse in our community is increasing, resulting in injury and violence. Violence also increasing due to untreated mental illness and substance abuse. Families are overwhelmed and often times these situations have violent outcomes. – Social Services Provider

### Due to COVID-19

Many people, especially our youth are experiencing trauma symptoms from living through the challenges of a pandemic, feeling isolated, disconnected, and fearful of others. Due to these factors, people have become less patient with each other. The media in recent history has seem to highlight and even glorify violence sending the message that it's okay to engage in such behaviors. It is also important to note that self-harm and suicide are forms of injury and violence. – Community Leader

Pandemic has increased mental health needs. Folks isolated with family members who may engage in domestic violence. Women who experience DV are often financially dependent on the perpetrators of DV. – Social Services Provider

### Teen/Young Adult Usage

Violence is growing among teens, causing them to get into fights and some occasions causing harm with dangerous weapons. – Community Leader

The youthful nature of Salinas' population combined with the teen violence varying statistics. – Physician

### Motor Vehicle Accidents

Motor vehicle accidents and gunshot wounds contribute to this. – Community Leader

### Gun Violence

Too many gun violence incidents. – Community Leader

### Impact on Quality of Life

In addition to the physical damage, the psychological damage, including long lasting PTSD can be devastating. Additionally, violence tends to affect younger people who have more years of productive life that may be lost or affected. – Physician



# DIABETES

## ABOUT DIABETES

More than 30 million people in the United States have diabetes, and it's the seventh leading cause of death. ...Some racial/ethnic minorities are more likely to have diabetes. And many people with diabetes don't know they have it.

Poorly controlled or untreated diabetes can lead to leg or foot amputations, vision loss, and kidney damage. But interventions to help people manage diabetes can help reduce the risk of complications. In addition, strategies to help people who don't have diabetes eat healthier, get physical activity, and lose weight can help prevent new cases.

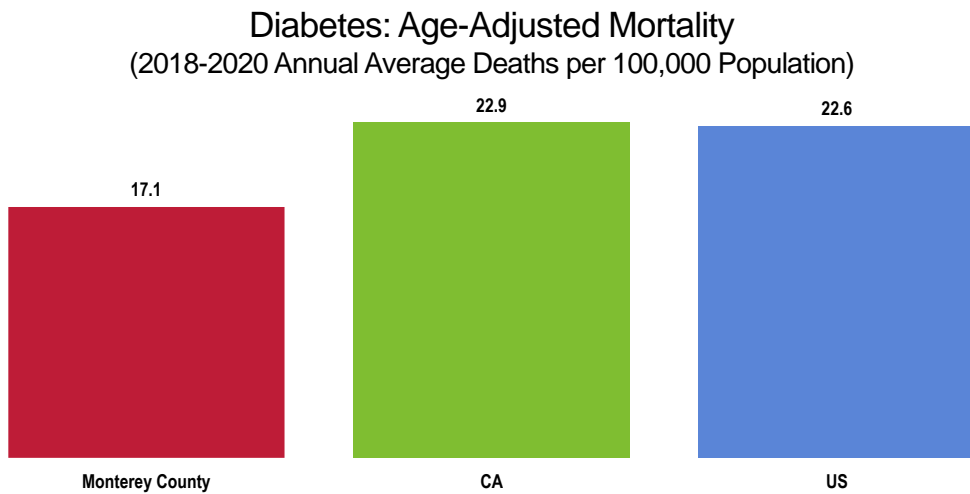
– Healthy People 2030 (<https://health.gov/healthypeople>)

## Age-Adjusted Diabetes Deaths

**Between 2018 and 2020, there was an annual average age-adjusted diabetes mortality rate of 17.1 deaths per 100,000 population in Monterey County.**

**BENCHMARK** ▶ Lower than both the state and national rates.

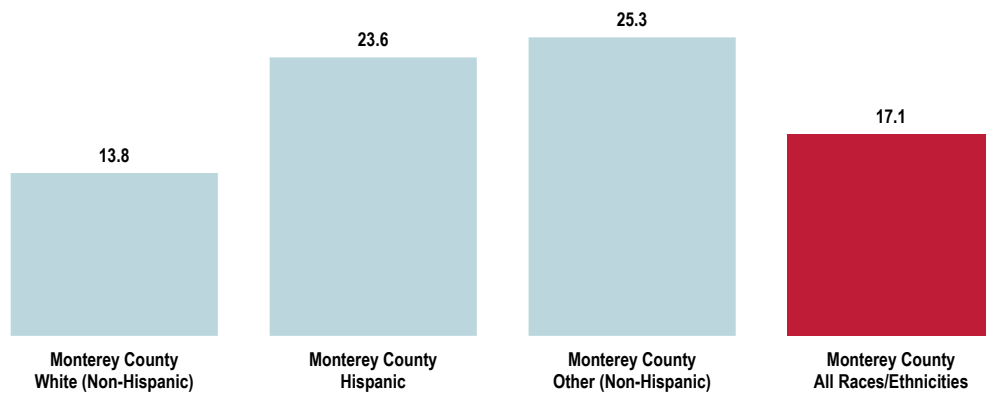
**DISPARITY** ▶ Diabetes mortality is notably higher among Hispanic persons and other communities of color.



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.



## Diabetes: Age-Adjusted Mortality by Race (2018-2020 Annual Average Deaths per 100,000 Population)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

## Diabetes: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	18.8	20.0	21.5	20.1	19.4	17.1	17.7	17.1
CA	20.7	20.6	20.7	21.0	21.6	21.6	21.8	22.9
US	22.4	22.3	21.3	21.2	21.3	21.3	21.5	22.6

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2030. <http://www.healthypeople.gov>



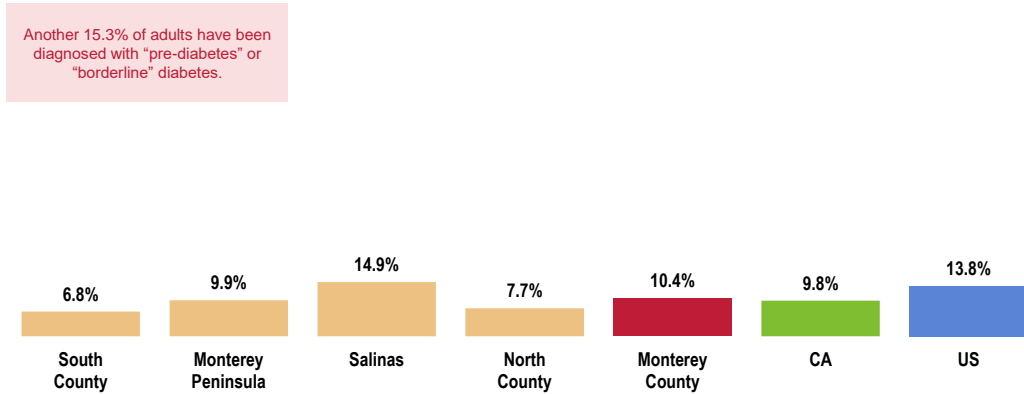
# Prevalence of Diabetes

A total of 10.4% of Monterey County adults report having been diagnosed with diabetes.

**BENCHMARK** ▶ Lower than the national percentage.

**DISPARITY** ▶ Unfavorably high in the Salinas area. Diabetes prevalence is particularly high among older residents.

## Prevalence of Diabetes

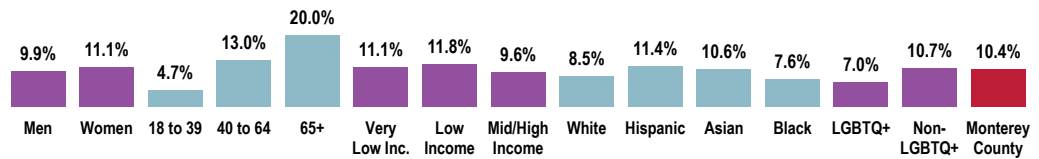


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 121]  
 • Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.  
 • 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents. Excludes gestational diabetes (occurring only during pregnancy).

## Prevalence of Diabetes (Monterey County, 2022)

Note that among adults who have not been diagnosed with diabetes, 42.7% report having had their blood sugar level tested within the past three years.



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Items 33, 121]  
 Notes: • Asked of all respondents.  
 • Excludes gestational diabetes (occurring only during pregnancy).



# Key Informant Input: Diabetes

A high percentage of key informants taking part in an online survey characterized *Diabetes* as a “major problem” in the community.

## Perceptions of Diabetes as a Problem in the Community (Key Informants, 2022)

■ Major Problem   ■ Moderate Problem   ■ Minor Problem   ■ No Problem At All



Sources: ● PRC Online Key Informant Survey, PRC, Inc.  
Notes: ● Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

### Awareness/Education

- Education and support. Support groups (like AA, perhaps) could be helpful. Those groups likely exist already. – Social Services Provider
- Getting access to education and nutrition education. Consistent coverage for needed medication and testing supplies. Consistent axillary services, i.e., eye care, foot care, and disease management. – Physician
- Education on healthy lifestyles is needed for working families. – Community Leader
- Understanding how diet plays a role in their long-term health. Limited access to resources. People do not have time in the day to cook healthy meals, so they often turn to fast foods or unhealthy snacks in place of a home cooked meal. Stressful and sedentary lifestyles. – Other Health Provider
- Education, access to healthy foods, access to health care, ability to afford medications. – Social Services Provider
- Education and awareness about the impact their diet has on their health. Cultural issues regarding food preferences. – Social Services Provider
- Education that can address cultural traditions regarding nutrition and exercise. Access to quality food that is affordable. Lack of participation by businesses that offer employee lunches to offer healthy food options and encourage healthy eating and activities. – Other Health Provider
- There is a large gap in understanding the seriousness of the disease and most importantly how to manage it realistically. Access to early prevention/screening is a concern. The lack of providers (MD’s, NP’s, PA’s) that are bilingual and culturally reflective is a concern. – Other Health Provider
- For the people newly diagnosed with this it seems to be access to healthy food, along with knowledge and time to be able to cook healthy meals and change lifestyles. – Physician
- Access to culturally appropriate diabetes education, access to diabetes specialty care (or even primary care for that matter), access to healthy food options, cost of medications. – Physician
- Monitoring of the disease, intervention, education about diet, and expensive drugs. – Community Leader
- Diabetes information and services. – Community Leader
- Education about the symptoms and causes of diabetes and the proper management of their diet and exercise. – Social Services Provider
- Inability to deliver comprehensive diabetes prevention education to the total at risk population. – Public Health Representative
- Knowledge about how to prevent/treat diabetes and access to programs that can help. – Social Services Provider
- Education and food/nutrition classes. – Community Leader
- Understanding of the long-term effects. – Community Leader
- Access to education and healthy options. – Community Leader
- Lack of education on prevention and then health implications. – Social Services Provider





Lack of education on nutrition, eating healthy on a budget, foods that are culturally relevant, and exercising as a family. Overall nutrition education is so important, followed with cooking classes as a family. – Social Services Provider

## Access to Care/Services

People of the community are not as resourceful. Natividad, where most underserved clients seek medical care, lacks a robust diabetic center and an endocrinologist to manage their care at an affordable cost to patients with little to no coverage. Most of these patients work, and evening clinic hours are needed. – Other Health Provider

Cost of testing supplies. Access to healthy foods and the time to engage in physical activity. – Social Services Provider

Access to care and education consisting of diabetes management, medication and supplies to check blood sugars. Access to healthy foods at a price our community can afford. – Other Health Provider

Obtaining needed medical care. Many times, individuals do not have health insurance or do not qualify for health insurance. Thus, they do not seek medical care when needed. Educating the community on what diabetes is and how it affects the body. Education on proper diabetic diet. There are many misconceptions about diabetes within the community. – Social Services Provider

Early detection and health education. – Other Health Provider

Delayed access to preventative care. Lack of access to healthy foods and safe places to recreate. Long working hours preventing individuals from obtaining routine healthcare appointments. Lack of funding to purchase medications and strips needed. – Public Health Representative

Lack of access to health care, cost of medications, lack of access to good healthy foods, screening availability, lack of understanding about the disease. – Public Health Representative

Lack of providers accepting new patients and patients with Medi-Cal. – Physician

Health equity. – Physician

It's a combination of lack of providers and knowledge. I'm a health insurance agent and met with a client yesterday who has to drive 50 miles to get to a specialist to help her manage her diabetes. She said there used to be a specialist closer that she used. But that is no longer available. And the other area is knowledge. We need to have more community-led classes for adults, and to somehow get the info to teenagers in a way that sets them up for success in having a healthy lifestyle. – Community Leader

Access to affordable insulin, time, and resources for meal preparation, time and resource for exercise. – Social Services Provider

Lack of access to preventative care programs and education. Lack of food security and access. For the Indigenous speaking residents, the term or concept of diabetes does not even exist. Most of our outreach and messaging is not culturally appropriate and mainly in English. – Social Services Provider

Access to continuity of care, which can build trust and understanding over time. The care that is available is not continuity care in many cases. – Physician

Access to resources. – Physician

Lack of access to culturally, linguistic, and literacy-level appropriate prevention and management programs. – Social Services Provider

Not enough local services and access to top level care. – Community Leader

## Access to Affordable Healthy Food

Access to healthy foods and proper eating habits are a big challenge. Lack of access to open space in cities of Salinas and Pajaro Valley. When people are detected with diabetes, they often lack the health insurance to buy strips and other equipment. Additionally, people don't have the economic resources to buy organic fruits and vegetables to keep a healthy diet. – Social Services Provider

Access to affordable healthy foods. – Public Health Representative

Healthful food is expensive. Our financially most vulnerable are left eating foods that place them at the highest risk for diabetes, processed foods and fast food. – Physician

Healthier food, lack of exercise. – Physician

Having readily available healthy foods which are affordable and time and resources for exercise/physical activity. – Physician

Access to healthy food and lifestyle based on income. When a great portion of our community is living in poverty, they may not see a way to have a healthy lifestyle. – Community Leader

Access to healthy food options. – Physician

High relative cost of nutritious foods. Lack of easy access to qualified dieticians. – Public Health Representative

Access to healthy food. – Social Services Provider



## Obesity

Obesity. Prevalence of cheap "fast food." Socio-economic factors that mean families with two working parents have less time to prepare healthy meals for themselves and family members. Sedentary lifestyles. – Community Leader

Being overweight due to their inability to control their diet and lack of exercise. – Community Leader

High frequency of obesity. – Physician

Continued problem (perhaps worsening) with childhood obesity, creating new type 2 diabetics every day. – Physician

Obesity due to poor nutrition and sedentary behavior is a major cause of high levels of obesity in our community. – Community Leader

## Affordable Medications/Supplies

Lack of access to affordable preventative services. Cost of insulin and other diabetes medicine for the un- and under-insured. – Public Health Representative

Expensive medication for people that are not part of a program. – Public Health Representative

Cost of medication and nutrition counseling. – Other Health Provider

Cost of insulin, change of lifestyle. – Social Services Provider

Affordable meds. – Physician

## Nutrition

Nutrition, exercise, prevention, understanding, insulin, implementing new diet (culturally different, cost, time, knowledge, etc.). – Public Health Representative

Poor eating habits are causing young children to end up getting diabetes. – Community Leader

Poor eating habits. Obesity. – Community Leader

Cultures of overeating and focusing on foods that aren't nutrient-dense. I don't know about access to health care with diabetes specifically. I do think health care and insurance expenses could easily be barriers. – Community Leader

Poor diet habits. – Social Services Provider

## Persons At Increased Risk for Adverse Health Outcomes

Monterey County Latino residents have a high percentage of type 2 diabetes. The biggest challenges are education across the board (from physical activity to what we eat), access to medication, and the latest treatments. South and North County residents need to be able to access this type of information. – Social Services Provider

Although we live in the salad bowl of the country, there is limited access to fresh fruits and vegetables in the communities of color, Latino/Black. Preventive health education services should be available to all communities. – Other Health Provider

## Follow-Up/Support

Support services for learning a new diet and lifestyle. – Social Services Provider

Patients getting lost to follow up. As more patients enter the insurance market, previous neglect and denial have resulted in out-of-control diabetics with many complications. – Other Health Provider

## Prevalence/Incidence

A large percentage of our population is diabetic or pre-diabetic. – Community Leader

Forty five percent of MoCo residents have diabetes or pre-diabetes. Most lack primary care. Incidence of complications from DM (e.g. limb amputation) correlates with lower socioeconomic zones and more at-risk SDOH. – Physician

## Lifestyle

Incorporating lifestyle/nutrition choices to address diabetes that are affordable and accessible. Type 2 diabetes among youth, diagnosis of diabetes earlier, support systems for living with diabetes. – Community Leader

Lifestyle changes are difficult to do due to costs, time, and behavior change requirements, cultural differences and appropriateness of lifestyle change programs. – Social Services Provider

Self-management. – Social Services Provider

## Trauma

Historical, persistent trauma, and structural racism! Unless we eliminate the causes, the symptoms will continue to be there. – Community Leader



# KIDNEY DISEASE

## ABOUT KIDNEY DISEASE

More than 1 in 7 adults in the United States may have chronic kidney disease (CKD), with higher rates in low-income and racial/ethnic minority groups. And most people with CKD don't know they have it. ...People with CKD are more likely to have heart disease and stroke — and to die early. Managing risk factors like diabetes and high blood pressure can help prevent or delay CKD. Strategies to make sure more people with CKD are diagnosed early can help people get the treatment they need.

Recommended tests can help identify people with CKD to make sure they get treatments and education that may help prevent or delay kidney failure and end-stage kidney disease (ESKD). In addition, strategies to make sure more people with ESKD get kidney transplants can increase survival rates and improve quality of life.

– Healthy People 2030 (<https://health.gov/healthypeople>)

## Age-Adjusted Kidney Disease Deaths

**Between 2018 and 2020, there was an annual average age-adjusted kidney disease mortality rate of 9.5 deaths per 100,000 population in Monterey County.**

**BENCHMARK** ▶ Favorably lower than the national percentage.

**TREND** ▶ Significant increase from the 2011-2013 reporting period.

**DISPARITY** ▶ Kidney disease is higher among Hispanic residents.

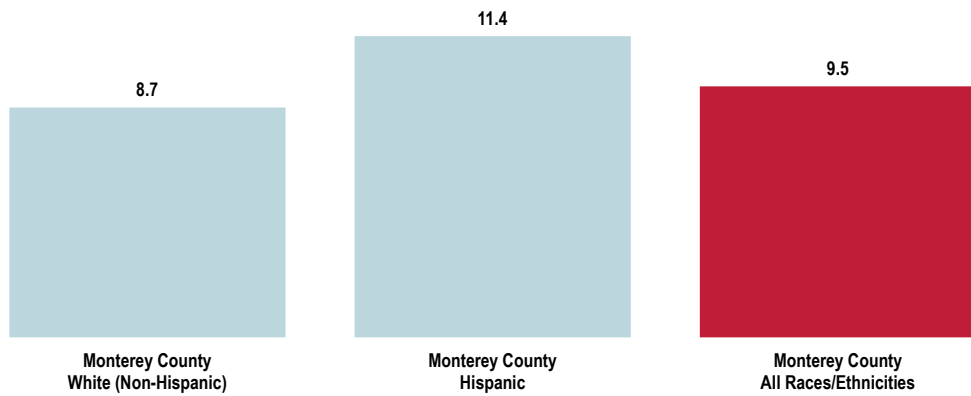
**Kidney Disease: Age-Adjusted Mortality**  
(2018-2020 Annual Average Deaths per 100,000 Population)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

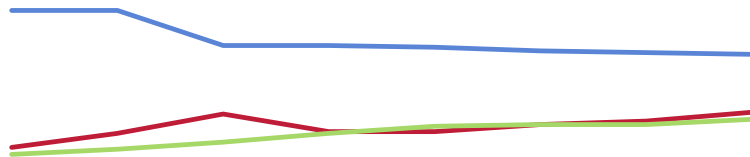


## Kidney Disease: Age-Adjusted Mortality by Race (2018-2020 Annual Average Deaths per 100,000 Population)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

## Kidney Disease: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	7.5	8.3	9.4	8.4	8.4	8.8	9.0	9.5
CA	7.1	7.4	7.8	8.3	8.7	8.8	8.8	9.1
US	15.3	15.3	13.3	13.3	13.2	13.0	12.9	12.8

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.



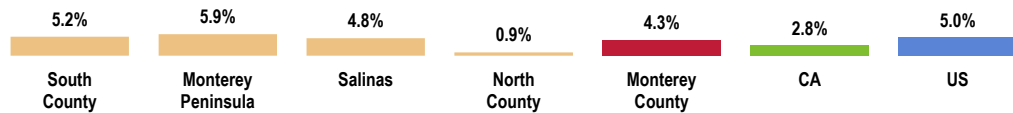
# Prevalence of Kidney Disease

A total of 4.3% of Monterey County adults report having been diagnosed with kidney disease.

**BENCHMARK** ▶ Higher than the state finding.

**DISPARITY** ▶ Highest in the Monterey Peninsula area. Prevalence of kidney disease increases with age and is higher among low-income residents and Asian respondents.

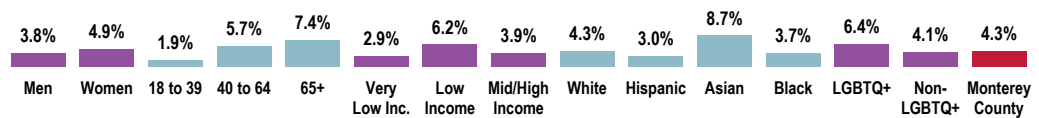
## Prevalence of Kidney Disease



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 24]  
 • Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.  
 • 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents.

## Prevalence of Kidney Disease (Monterey County, 2022)

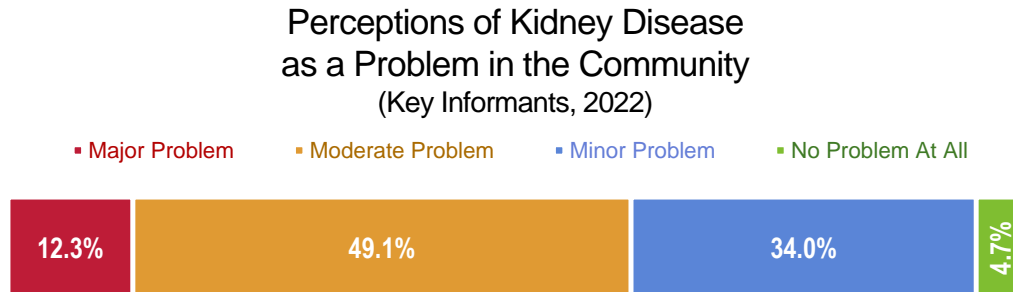


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 24]  
 Notes: • Asked of all respondents.



## Key Informant Input: Kidney Disease

Key informants taking part in an online survey most often characterized *Kidney Disease* as a “moderate problem” in the community.



Sources: • PRC Online Key Informant Survey, PRC, Inc.  
Notes: • Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

### Co-Occurrences

- The serious consequences of high incidence of type 2 diabetes. – Physician
- HTN and DM not well managed. – Physician
- Uncontrolled diabetes leads to kidney disease. A lot of our patients do not have access to diabetes care training or education, which leads to uncontrolled damage to the kidneys. – Other Health Provider

### Access to Care/Services

- Huge resources needed to manage. – Physician

### Prevalence/Incidence

- The amount of dialysis centers in Monterey County is 13. Kidney disease is attributed to diabetes; until we get a handle on diabetes, this number will continue to increase. – Social Services Provider

### Diet

- Diet and lifestyle have affected this community. – Other Health Provider



# POTENTIALLY DISABLING CONDITIONS

## Multiple Chronic Conditions

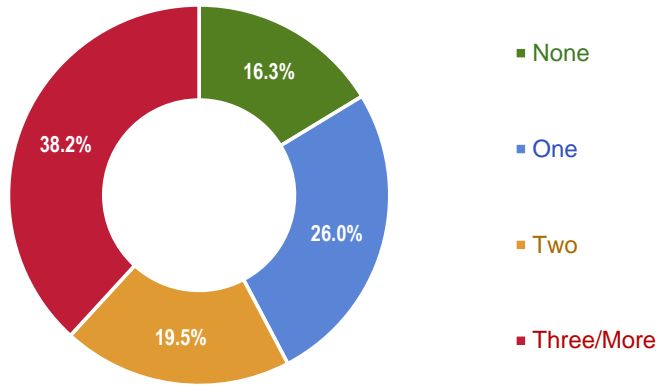
For the purposes of this assessment, chronic conditions include:

- Asthma
- Cancer
- Chronic pain
- Diabetes
- Diagnosed depression
- Heart attack/angina
- High blood cholesterol
- High blood pressure
- Kidney disease
- Lung disease
- Obesity
- Stroke

Multiple chronic conditions are concurrent conditions.

Among Monterey County survey respondents, most report currently having at least one chronic health condition.

Number of Current Chronic Conditions  
(Monterey County, 2022)



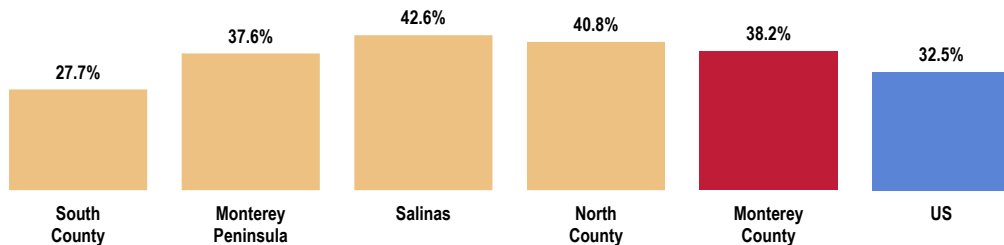
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 123]  
 Notes: • Asked of all respondents.  
 • In this case, chronic conditions include lung disease, cancer, kidney disease, heart attack/angina, stroke, asthma, high blood pressure, high blood cholesterol, diabetes, high-impact chronic pain, obesity, and/or diagnosed depression.

In fact, 38.2% of Monterey County adults report having three or more chronic conditions.

**BENCHMARK** ▶ Higher than the US percentage.

**DISPARITY** ▶ Highest in the Salinas area. Residents age 40 and older, White persons, and LGBTQ+ residents more often report having three or more chronic conditions.

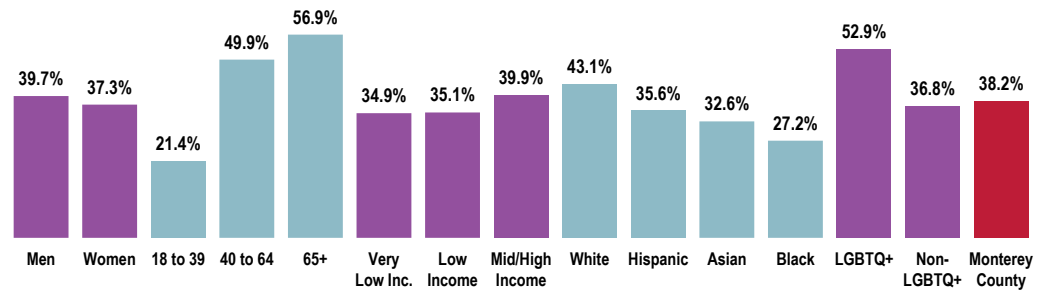
### Currently Have Three or More Chronic Conditions



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 123]  
 • 2020 PRC National Health Survey, PRC, Inc.  
 Notes: • Asked of all respondents.  
 • In this case, chronic conditions include lung disease, cancer, kidney disease, heart attack/angina, stroke, asthma, high blood pressure, high blood cholesterol, diabetes, high-impact chronic pain, obesity, and/or diagnosed depression.



## Currently Have Three or More Chronic Conditions (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 123]  
 Notes: • Asked of all respondents.  
 • In this case, chronic conditions include lung disease, cancer, kidney disease, heart attack/angina, stroke, asthma, high blood pressure, high blood cholesterol, diabetes, high-impact chronic pain, obesity, and/or diagnosed depression.

## Activity Limitations

### ABOUT DISABILITY & HEALTH

Studies have found that people with disabilities are less likely to get preventive health care services they need to stay healthy. Strategies to make health care more affordable for people with disabilities are key to improving their health.

In addition, people with disabilities may have trouble finding a job, going to school, or getting around outside their homes. And they may experience daily stress related to these challenges. Efforts to make homes, schools, workplaces, and public places easier to access can help improve quality of life and overall well-being for people with disabilities.

– Healthy People 2030 (<https://health.gov/healthypeople>)

**A total of 29.4% of Monterey County adults are limited in some way in some activities due to a physical, mental, or emotional problem.**

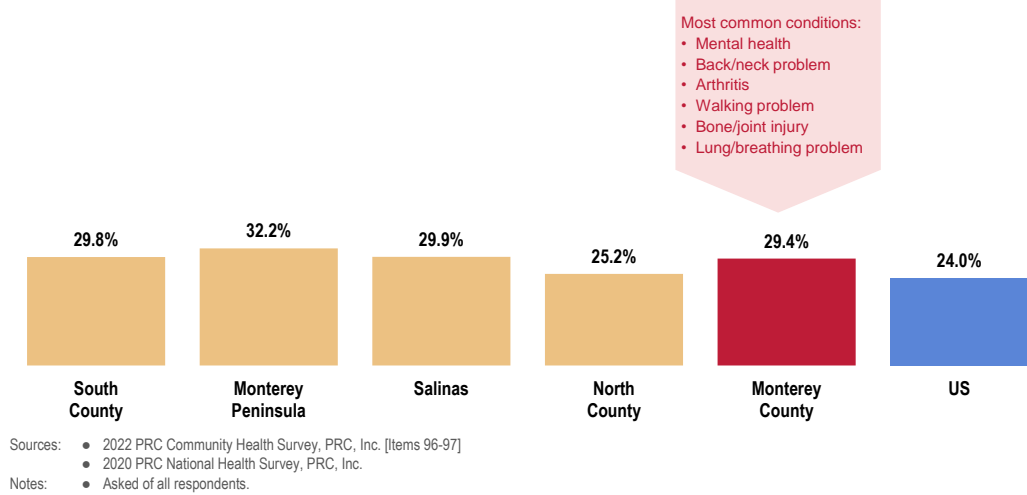
**BENCHMARK** ► Higher than the US percentage.

**DISPARITY** ► Highest in the Monterey Peninsula area. Countywide, women, older residents, lower-income respondents, White persons, Black or African American persons, and LGBTQ+ individuals more often report activity limitations.

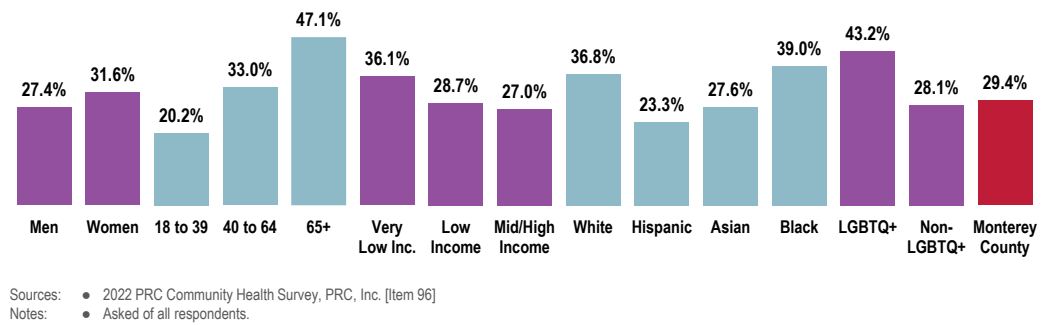




## Limited in Activities in Some Way Due to a Physical, Mental, or Emotional Problem



## Limited in Activities in Some Way Due to a Physical, Mental, or Emotional Problem (Monterey County, 2022)



# Chronic Pain

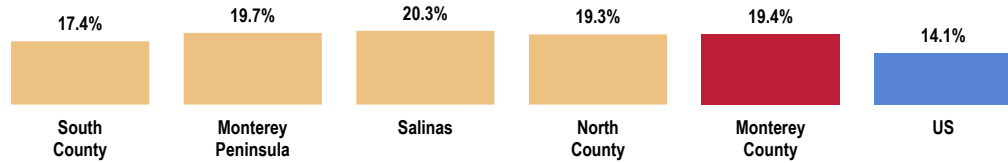
A total of 19.4% of Monterey County adults experience high-impact chronic pain, meaning physical pain that has limited their life or work activities “every day” or “most days” during the past six months.

**BENCHMARK** ▶ Higher than the US finding. Fails to satisfy the Healthy People 2030 objective.

**DISPARITY** ▶ Chronic pain reporting is higher among women, those 40 and older, very low income residents, White persons, and Asian persons.

## Experience High-Impact Chronic Pain

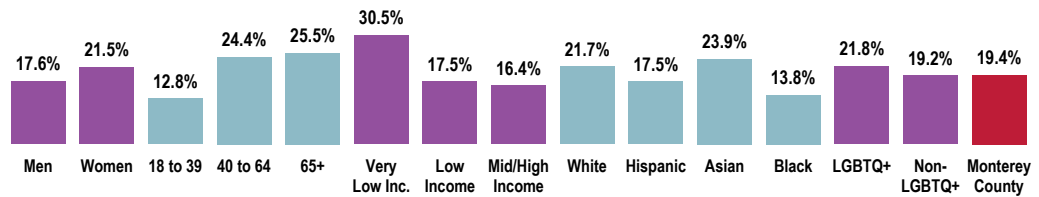
Healthy People 2030 = 7.0% or Lower



- Sources:
- 2022 PRC Community Health Survey, PRC, Inc. [Item 37]
  - 2020 PRC National Health Survey, PRC, Inc.
  - US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>
- Notes:
- Asked of all respondents.
  - High-impact chronic pain includes physical pain that limits life or work activities on “most days” or “every day” of the past six months.

## Experience High-Impact Chronic Pain (Monterey County, 2022)

Healthy People 2030 = 7.0% or Lower



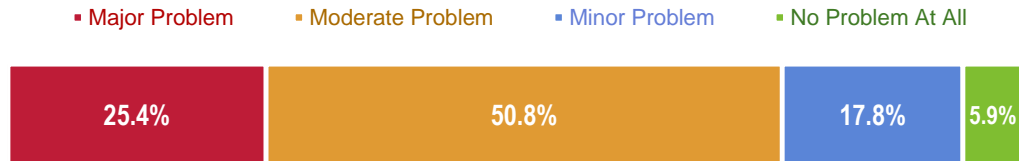
- Sources:
- 2022 PRC Community Health Survey, PRC, Inc. [Item 37]
  - 2020 PRC National Health Survey, PRC, Inc.
  - US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>
- Notes:
- Asked of all respondents.
  - High-impact chronic pain includes physical pain that limits life or work activities on “most days” or “every day” of the past six months.



## Key Informant Input: Disability & Chronic Pain

Key informants taking part in an online survey most often characterized *Disability & Chronic Pain* as a “moderate problem” in the community.

### Perceptions of Disability & Chronic Pain as a Problem in the Community (Key Informants, 2022)



Sources: ● PRC Online Key Informant Survey, PRC, Inc.  
Notes: ● Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

#### Access to Care/Services

- There are inadequate resources for pain management and behavior support. – Physician
- Lack of medical resources. – Social Services Provider
- Again, sporadic, uncoordinated care. We are a manual labor heavy economy here. – Physician
- Not enough services to assist people with disabilities and many areas are not particularly ADA friendly. – Community Leader
- We lack resources in the community to help those with this health concern. The concern is greatest in the uninsured population who lack resources to obtain healthcare services. Language and health literacy is a barrier. – Other Health Provider
- It is an act of God to get a doctor to prescribe pain medication because they are all afraid of losing their license here in California. I feel people are sourcing out illegal substance to care for their pain as there seems to be an increase of use of illegal narcotics and OD. I don't think enough outreach is done to refer or publicize chronic pain clinics. I work in health care, and I wouldn't know where to send someone. – Other Health Provider
- Access to care and wellness options for disabled individuals and persons living with chronic pain. – Physician
- Lack of proper specialist local care. – Community Leader

#### Prevalence/Incidence

- According to the CDC, chronic pain is one of the top reasons people seek medical care. It's a national issue that also impacts the residents of Monterey County. – Community Leader
- Many community members are using pain medications and accessing the Emergency Room to address pain. – Other Health Provider
- Almost all of the guests we serve have some form of disability. Many of them suffer from chronic pain, which is made worse by sleeping on the ground or in cars. – Social Services Provider

#### Follow-Up/Support

- The community are not getting the medical support they need, so they end up buying drugs that help and it ends up causing them to die. – Community Leader
- Mobility and social framework for those disabled are lacking. – Physician
- Disability: more supportive services for those with disabilities including advocates to assist with social security benefits and scheduling with doctors specialized in the “disability” Chronic pain: I believe many people suffering with chronic pain do not have places to turn and is little understood – Social Services Provider

#### Aging Population

- As the population ages, vision and hearing can fail, and arthritis and degenerative disc and other conditions increase. Also, mental distress is often pressed with physical pain symptoms. – Community Leader
- Seaside has a large older adult population where many are challenged with managing disabilities and/or chronic pain due to deteriorated functionality. – Community Leader



## Impact on Quality of Life

Both conditions can create physical/mobility challenges particularly as people age and they can exacerbate the aging process. These conditions can be barriers to accessing resources and in engaging in healthy physical and social activities. Chronic pain often has a negative impact on the overall mental health of an individual and can contribute to substance abuse and other negative social behaviors. – Social Services Provider

## Lack of Providers

Treatment of chronic pain done appropriately can decrease the reliance on opioid pain medications, but we do not have enough properly trained and credentialed pain management specialists in our county. Primary care providers are often not skilled or don't have time or otherwise are unable to manage chronic pain patients. The lack of appropriate pain management in our county contributes to over-dependence on opioid pain medications and utilization of Emergency Departments. – Physician

## Persons At Increased Risk for Adverse Health Outcomes

Farmworkers with lack of access to care. – Public Health Representative

## Obesity

Due to the high prevalence of obesity, low fitness, related comorbidities such as diabetes and substance use disorders, and workplace or non-workplace injuries. – Public Health Representative

## Substance Use

Substance abuse. Providers not prescribing responsibly. – Other Health Provider

## Work Related

Ag work leave people with many disabilities and chronic pain, and not everyone can address issues until it's severe because of the lack of access to affordable primary care. – Public Health Representative

## Due to COVID-19

During the pandemic, many people put off regular health care, this has led to chronic issues including pain. A lack of access to regular care in general also exacerbates the issues. These are also issues that have ripple effects throughout the community. Caregivers need help and respite. Disabled individuals and those in chronic pain cannot be at their best to participate in the community. – Public Health Representative

# Alzheimer's Disease

## ABOUT DEMENTIA

Alzheimer's disease is the most common cause of dementia and the sixth leading cause of death in U.S. adults.<sup>1</sup> Nearly 6 million people in the United States have Alzheimer's, and that number will increase as the population ages.

Dementia refers to a group of symptoms that cause problems with memory, thinking, and behavior. People with dementia are more likely to be hospitalized, and dementia is linked to high health care costs.

While there's no cure for Alzheimer's disease, early diagnosis and supportive care can improve quality of life. And efforts to make sure adults with symptoms of cognitive decline — including memory loss — are diagnosed early can help improve health outcomes in people with dementia. Interventions to address caregiving needs can also help improve health and well-being in people with dementia.

– Healthy People 2030 (<https://health.gov/healthypeople>)



## Age-Adjusted Alzheimer's Disease Deaths

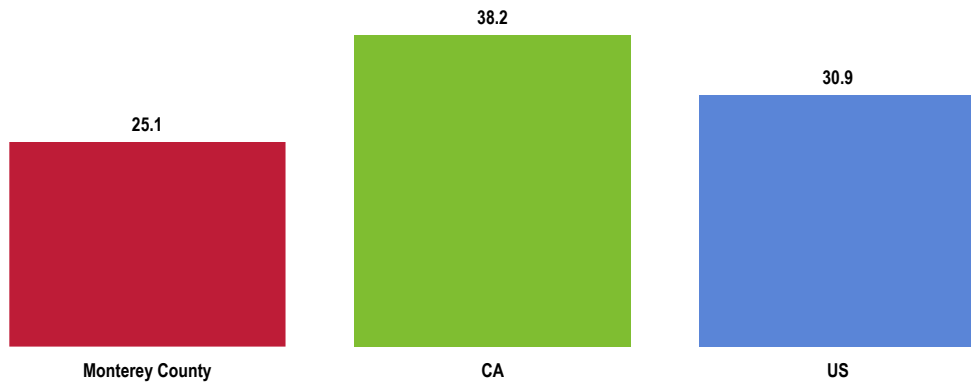
Between 2018 and 2020, there was an annual average age-adjusted Alzheimer's disease mortality rate of 25.1 deaths per 100,000 population in Monterey County.

**BENCHMARK** ▶ Lower than both the state and national findings.

**TREND** ▶ Fluctuating over time, but following a general upward trend.

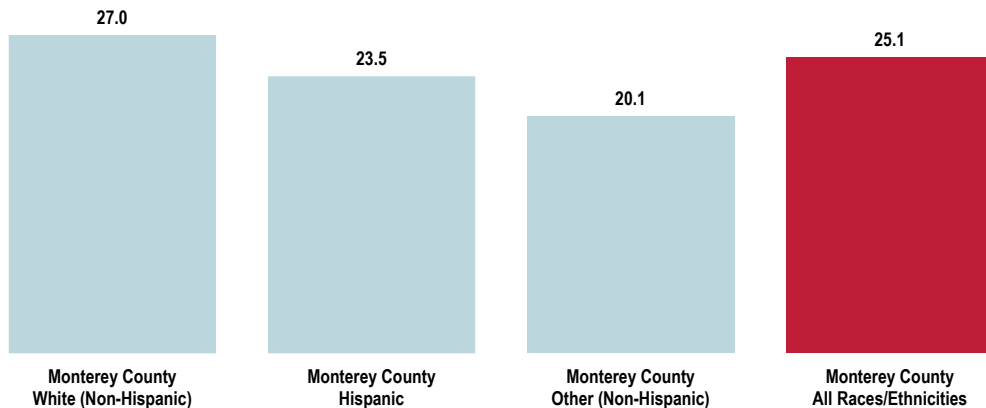
**DISPARITY** ▶ Alzheimer's Disease mortality is higher among non-Hispanic White persons.

Alzheimer's Disease: Age-Adjusted Mortality  
(2018-2020 Annual Average Deaths per 100,000 Population)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

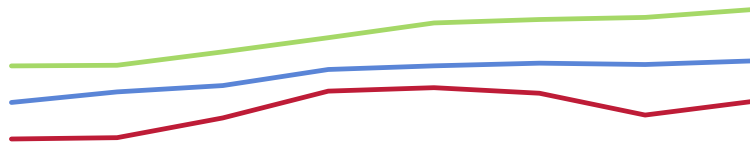
Alzheimer's Disease: Age-Adjusted Mortality by Race  
(2018-2020 Annual Average Deaths per 100,000 Population)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.



## Alzheimer's Disease: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)



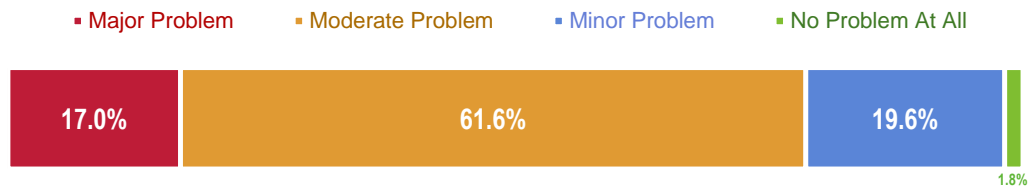
	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	19.8	20.0	22.8	26.6	27.1	26.3	23.2	25.1
CA	30.2	30.3	32.2	34.2	36.3	36.8	37.1	38.2
US	25.0	26.5	27.4	29.7	30.2	30.6	30.4	30.9

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

## Key Informant Input: Dementia/Alzheimer's Disease

Key informants taking part in an online survey are most likely to consider *Dementia/Alzheimer's Disease* as a "moderate problem" in the community.

## Perceptions of Dementia/Alzheimer's Disease as a Problem in the Community (Key Informants, 2022)



Sources: • PRC Online Key Informant Survey, PRC, Inc.  
Notes: • Asked of all respondents.

Among those rating this issue as a "major problem," reasons related to the following:

### Access to Care/Services

No treatment. – Physician

I have met well over 20 aging adults who are suffering from Alzheimer's and Dementia and none of them receive quality care, companion services, specialized services, or in home/recreation services! My own mother had dementia and received very little services. – Community Leader

We have a lot of patients who are suffering from this disease and not a lot of resources to assist them. – Other Health Provider

Limited specialty services dedicated to this growing group. Limited to nonexistent geriatric psych resources. – Public Health Representative

### Aging Population

Older demographic in county. – Social Services Provider

Age of community, high number of patients. – Physician

We have an aging population, as the population ages there will be a larger demand for services related to this population. – Public Health Representative



## Follow-Up/Support

There are limited services to families for support. There are no long-term facilities to help care for patients with limited financial means when these patients need more help than the family can provide. A private setting is about \$5 to 10,000 a month. Often these patients are dumped in the hospital, and we are unable to discharge them home and no skilled nursing wants to take them out of fear of wandering. Not enough locked settings. – Other Health Provider

We do not have adequate caregiver support or caregiving options for patients with dementia, leaving families struggling to deal with disruptive, aggressive, or vulnerable family members. While we do have some local senior communities with memory units, these are expensive and not all families can afford them. – Physician

Social framework to support elderly lacking. – Physician

## Affordable Care/Services

I've reviewed the local data and there is a tremendous need for support for people with limited financial means. – Public Health Representative

Because I am hearing about more cases among client family members and not enough resources for low-income families to afford support, like in house supports, respite or good nursing facilities. Also, I am worried that we have diverted attention from seniors over the past several years. – Other Health Provider

## Incidence/Prevalence

I work for a nonprofit that services seniors. There is a prevalence of the types of dementia and assisted living is cost prohibitive, even for people who are not low income. Memory Care is even worse. My nonprofit offers low-income housing for seniors and there is literally nowhere for our residents to find a higher level of care. Dementia does not qualify for skilled nursing, and even then, there is a very limited number of Medi-Cal beds available, even if the person qualifies for Medi-Cal. I make a decent living myself and even I can't afford memory care. – Social Services Provider

A significant portion of our community is elderly, and the incidence of these diseases is relatively high. These diseases lead to a devastating impact on patients' lives and require extensive intervention and care (medical, psychological, social). Our medical system is not ideally oriented to providing this care. – Physician

## Impact on Caregivers/Families

Tremendous caregiver strain and poor management of medical issues. – Physician

## Impact on Quality of Life

As an agency that serves older adults that are dealing with dementia and Alzheimer's disease, we see the impact on their lives and their families. They often need long-term care placement and advocacy and reach out to our Ombudsman program for help and guidance. Their spouses or family members often need other kinds of support that is provided through our counseling program, Medicare assistance, benefits checkup, transportation and even tax program. These services provide emotional support and financial relief for them during this very stressful journey. – Social Services Provider

## Language Barrier

Access to services for Spanish-speaking individuals with family members with dementia/Alzheimer's is a problem in our community. Many do not know what services are out there for their family or caregivers. – Public Health Representative



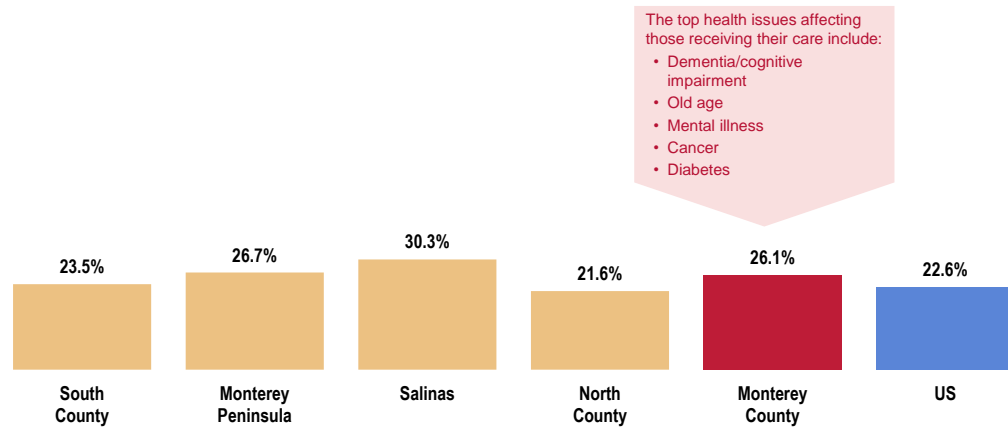
# Caregiving

A total of 26.1% of Monterey County adults currently provide care or assistance to a friend or family member who has a health problem, long-term illness, or disability.

**BENCHMARK** ▶ Higher than the national percentage.

**DISPARITY** ▶ Highest in the Salinas area.

## Act as Caregiver to a Friend or Relative with a Health Problem, Long-Term Illness, or Disability



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Items 98-99]  
• 2020 PRC National Health Survey, PRC, Inc.  
Notes: • Asked of all respondents.







# BIRTHS

# PRENATAL CARE

## ABOUT INFANT HEALTH

Keeping infants healthy starts with making sure women get high-quality care during pregnancy and improving women's health in general. After birth, strategies that focus on increasing breastfeeding rates and promoting vaccinations and developmental screenings are key to improving infants' health. Interventions that encourage safe sleep practices and correct use of car seats can also help keep infants safe.

The infant mortality rate in the United States is higher than in other high-income countries, and there are major disparities by race/ethnicity. Addressing social determinants of health is critical for reducing these disparities.

– Healthy People 2030 (<https://health.gov/healthypeople>)

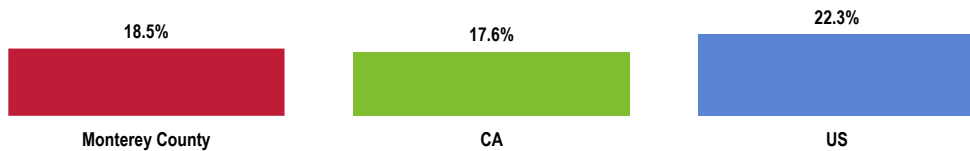
**Between 2018 and 2020, 18.5% of all Monterey County births did not receive prenatal care in the first trimester of pregnancy.**

**BENCHMARK** ► Lower than the US percentage.

**TREND** ► Steadily improving over time.

Early and continuous prenatal care is the best assurance of infant health.

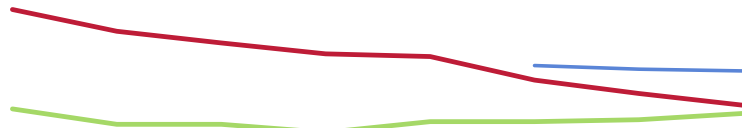
## Lack of Prenatal Care During First Trimester (Percentage of Live Births, 2018-2020)



Sources: • Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap ([sparkmap.org](http://sparkmap.org)).  
Note: • This indicator reports the percentage of women who do not obtain prenatal care during their first trimester of pregnancy. This indicator is relevant because engaging in prenatal care decreases the likelihood of maternal and infant health risks. This indicator can also highlight a lack of access to preventive care, a lack of health, knowledge insufficient provider outreach, and/or social barriers preventing utilization of services.



## Lack of Prenatal Care in the First Trimester (Percentage of Live Births)



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	29.1%	26.7%	25.4%	24.2%	23.9%	21.3%	19.8%	18.5%
CA	18.1%	16.4%	16.4%	15.5%	16.7%	16.7%	16.9%	17.6%
US						22.9%	22.5%	22.3%

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics.  
Data extracted June 2022.

Note: • This indicator reports the percentage of women who do not obtain prenatal care during their first trimester of pregnancy. This indicator is relevant because engaging in prenatal care decreases the likelihood of maternal and infant health risks. This indicator can also highlight a lack of access to preventive care, a lack of health, knowledge insufficient provider outreach, and/or social barriers preventing utilization of services.



# BIRTH OUTCOMES & RISKS

## Low-Weight Births

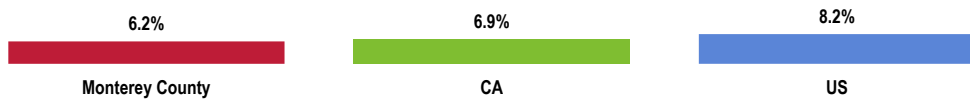
Low birthweight babies, those who weigh less than 2,500 grams (5 pounds, 8 ounces) at birth, are much more prone to illness and neonatal death than are babies of normal birthweight.

Largely a result of receiving poor or inadequate prenatal care, many low-weight births and the consequent health problems are preventable.

**A total of 6.2% of 2013-2019 Monterey County births were low-weight.**

**BENCHMARK** ► Better than the US finding.

**Low-Weight Births**  
(Percent of Live Births, 2013-2019)



Sources: • Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).  
Note: • This indicator reports the percentage of total births that are low birth weight (Under 2500g). This indicator is relevant because low birth weight infants are at high risk for health problems. This indicator can also highlight the existence of health disparities.

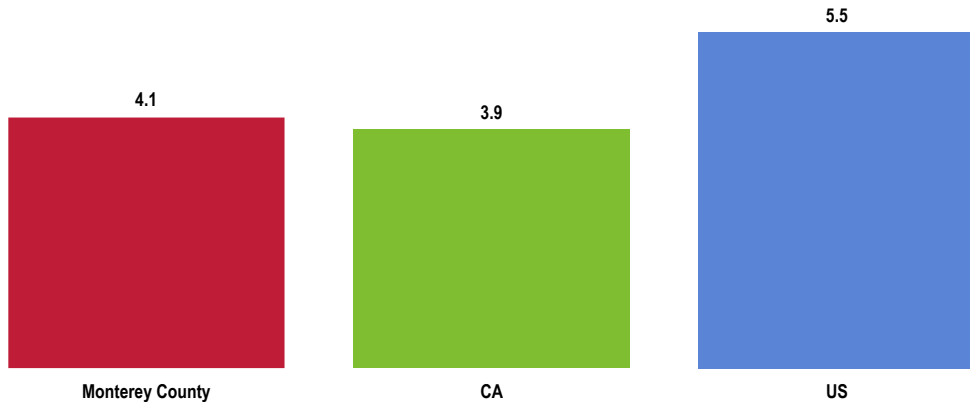
## Infant Mortality

Infant mortality rates reflect deaths of children less than one year old per 1,000 live births.

**Between 2018 and 2020, there was an annual average of 4.1 infant deaths per 1,000 live births.**

**BENCHMARK** ► Below the national rate. Satisfies the Healthy People 2030 objective.

**Infant Mortality Rate**  
(Annual Average Infant Deaths per 1,000 Live Births, 2018-2020)  
Healthy People 2030 = 5.0 or Lower



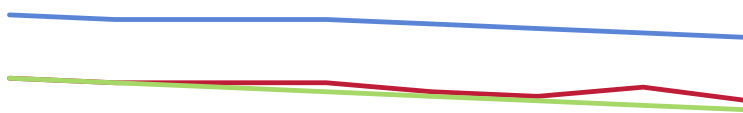
Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>  
Notes: • Infant deaths include deaths of children under 1 year old.  
• This indicator is relevant because high rates of infant mortality indicate the existence of broader issues pertaining to access to care and maternal and child health.



## Infant Mortality Trends

(Annual Average Infant Deaths per 1,000 Live Births)

Healthy People 2030 = 5.0 or Lower



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	4.6	4.5	4.5	4.5	4.3	4.2	4.4	4.1
CA	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9
US	6.0	5.9	5.9	5.9	5.8	5.7	5.6	5.5

Sources: 

- CDC WONDER Online Query System. Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Vital Statistics. Data extracted June 2022.
- Centers for Disease Control and Prevention, National Center for Health Statistics.
- US Department of Health and Human Services. Healthy People 2030. August 2030. <http://www.healthypeople.gov>

Notes: 

- Rates are three-year averages of deaths of children under 1 year old per 1,000 live births.



# FAMILY PLANNING

## ABOUT FAMILY PLANNING

Nearly half of pregnancies in the United States are unintended, and unintended pregnancy is linked to many negative outcomes for both women and infants. ...Unintended pregnancy is linked to outcomes like preterm birth and postpartum depression. Interventions to increase use of birth control are critical for preventing unintended pregnancies. Birth control and family planning services can also help increase the length of time between pregnancies, which can improve health for women and their infants.

Adolescents are at especially high risk for unintended pregnancy. Although teen pregnancy and birth rates have gone down in recent years, close to 200,000 babies are born to teen mothers every year in the United States. Linking adolescents to youth-friendly health care services can help prevent pregnancy and sexually transmitted infections in this age group.

– Healthy People 2030 (<https://health.gov/healthypeople>)

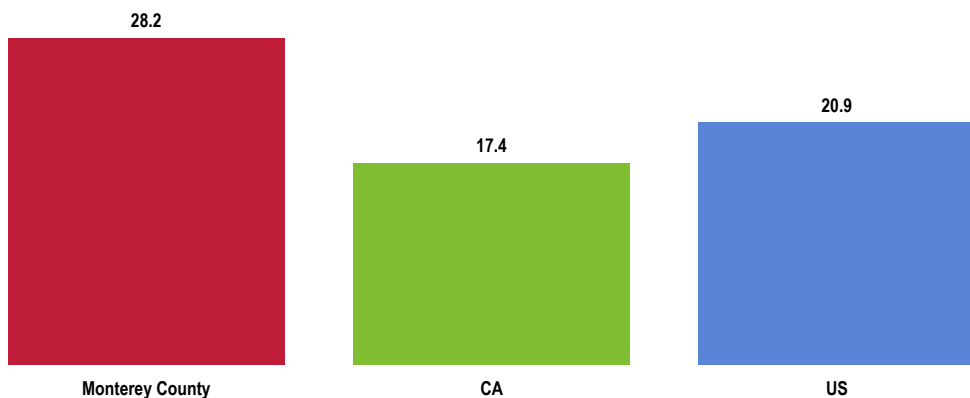
## Births to Adolescent Mothers

**Between 2013 and 2019, there were 28.2 births to adolescents age 15 to 19 per 1,000 women age 15 to 19 in Monterey County.**

**BENCHMARK** ▶ Much higher than both the state and national rate.

**DISPARITY** ▶ The teen birth rate is dramatically higher among Hispanic women.

**Teen Birth Rate**  
(Births to Adolescents Age 15-19 per 1,000 Females Age 15-19, 2013-2019)



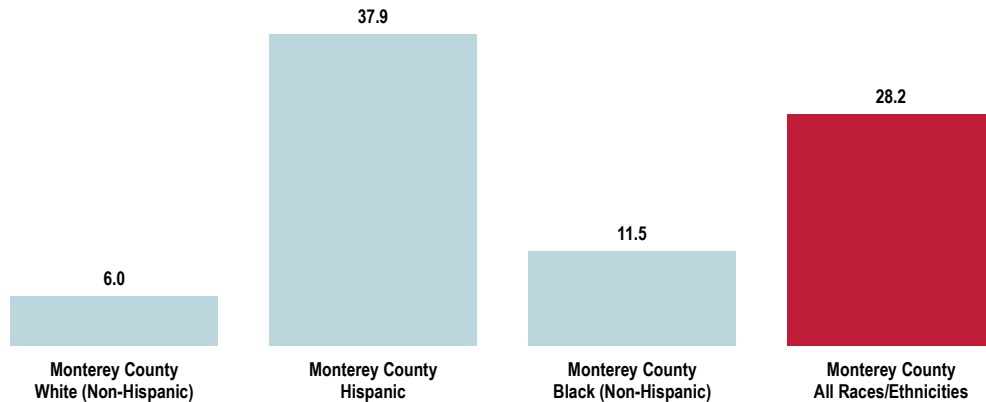
Sources: • Centers for Disease Control and Prevention, National Vital Statistics System.

• Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap ([sparkmap.org](http://sparkmap.org)).

Notes: • This indicator reports the rate of total births to women under the age of 15–19 per 1,000 female population age 15–19. This indicator is relevant because in many cases, teen parents have unique social, economic, and health support services. Additionally, high rates of teen pregnancy may indicate the prevalence of unsafe sex practices.



## Teen Birth Rate (Births to Adolescents Age 15-19 per 1,000 Females Age 15-19, 2013-2019)



Sources: 

- Centers for Disease Control and Prevention, National Vital Statistics System.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

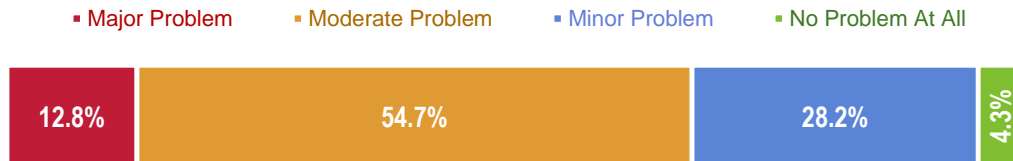
Notes: 

- This indicator reports the rate of total births to women under the age of 15–19 per 1,000 female population age 15–19. This indicator is relevant because in many cases, teen parents have unique social, economic, and health support services. Additionally, high rates of teen pregnancy may indicate the prevalence of unsafe sex practices.

## Key Informant Input: Infant Health & Family Planning

Key informants taking part in an online survey largely characterized *Infant Health & Family Planning* as a “moderate problem” in the community.

### Perceptions of Infant Health and Family Planning as a Problem in the Community (Key Informants, 2022)



Sources: 

- PRC Online Key Informant Survey, PRC, Inc.

Notes: 

- Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

#### Awareness/Education

- Lack of easily accessible information. – Community Leader
- We still have new parents putting their infants in bed with them and then accidentally rolling over on the infant and killing them. We have had a few of these cases in our county. New parents need to be better aware of the dangers of co-sleeping. – Community Leader

#### Lack of Culturally Appropriate Care/Services

- Most of our outreach and messaging is not culturally appropriate and mainly in English. – Social Services Provider
- Access to culturally and linguistically appropriate maternal child services. – Physician



## Teen Pregnancy

Socio-economic issues and high birth rates amongst teen moms. – Social Services Provider

Too many young teens are having sex and getting pregnant at a young age. – Community Leader

## Due to COVID-19

Infant health -- as due to the pandemic families have not had the same access to resources/supports as they did previously. – Community Leader







# MODIFIABLE HEALTH RISKS

# NUTRITION

## ABOUT NUTRITION & HEALTHY EATING

Many people in the United States don't eat a healthy diet. ...People who eat too many unhealthy foods — like foods high in saturated fat and added sugars — are at increased risk for obesity, heart disease, type 2 diabetes, and other health problems. Strategies and interventions to help people choose healthy foods can help reduce their risk of chronic diseases and improve their overall health.

Some people don't have the information they need to choose healthy foods. Other people don't have access to healthy foods or can't afford to buy enough food. Public health interventions that focus on helping everyone get healthy foods are key to reducing food insecurity and hunger and improving health.

– Healthy People 2030 (<https://health.gov/healthypeople>)

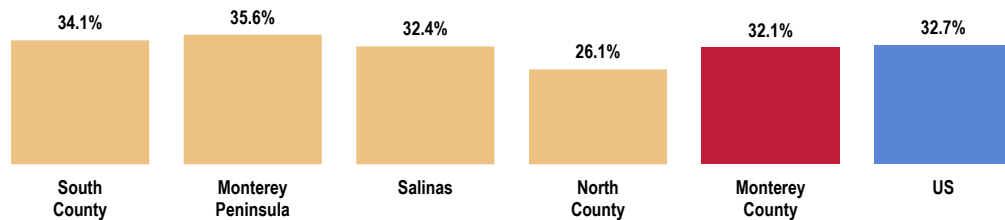
## Daily Recommendation of Fruits/Vegetables

**A total of 32.1% of Monterey County adults report eating five or more servings of fruits and/or vegetables per day.**

**DISPARITY** ► Fruit and vegetable consumption is lowest in the North County area, and is lower among men, low-income individuals, Hispanic residents, Black residents, and non-LGBTQ+ community members.

To measure fruit and vegetable consumption, survey respondents were asked multiple questions, specifically about the foods and drinks they consumed on the day prior to the interview.

### Consume Five or More Servings of Fruits/Vegetables Per Day



Sources: 

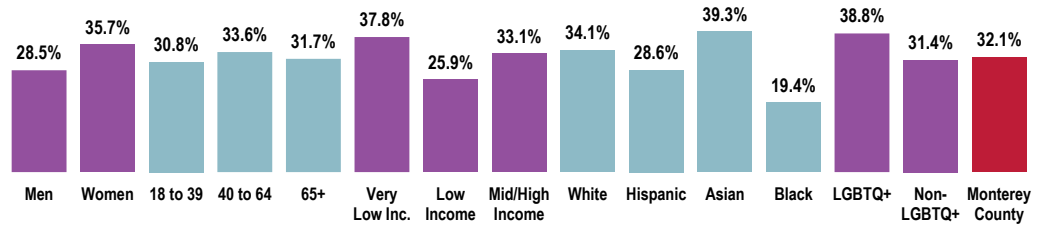
- 2022 PRC Community Health Survey, PRC, Inc. [Item 125]
- 2020 PRC National Health Survey, PRC, Inc.

Notes: 

- Asked of all respondents.
- For this issue, respondents were asked to recall their food intake on the previous day.



## Consume Five or More Servings of Fruits/Vegetables Per Day (Monterey County, 2022)

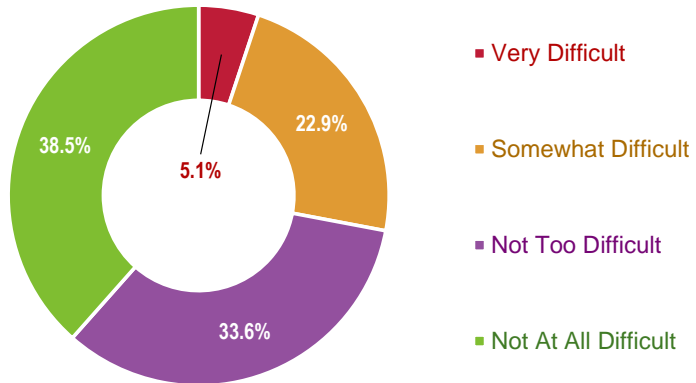


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 125]  
 Notes: • Asked of all respondents.  
 • For this issue, respondents were asked to recall their food intake on the previous day.

## Difficulty Accessing Fresh Produce

**Most Monterey County adults report little or no difficulty buying fresh produce at a price they can afford.**

### Level of Difficulty Finding Fresh Produce at an Affordable Price (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 79]  
 Notes: • Asked of all respondents.

Respondents were asked: "How difficult is it for you to buy fresh produce like fruits and vegetables at a price you can afford? Would you say: Very Difficult, Somewhat Difficult, Not Too Difficult, or Not At All Difficult?"

**RELATED ISSUE**  
 See also *Food Access* in the **Social Determinants of Health** section of this report.

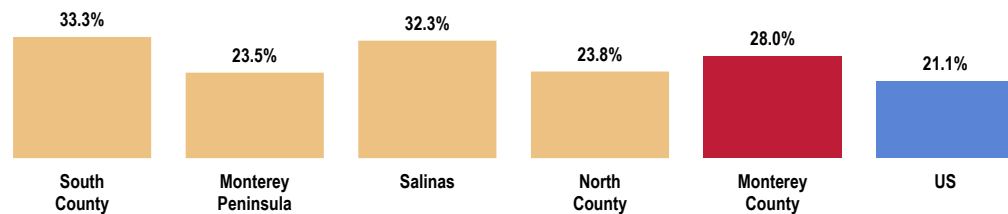


However, 28.0% of Monterey County adults find it “very” or “somewhat” difficult to access affordable fresh fruits and vegetables.

**BENCHMARK** ▶ Higher than the national finding.

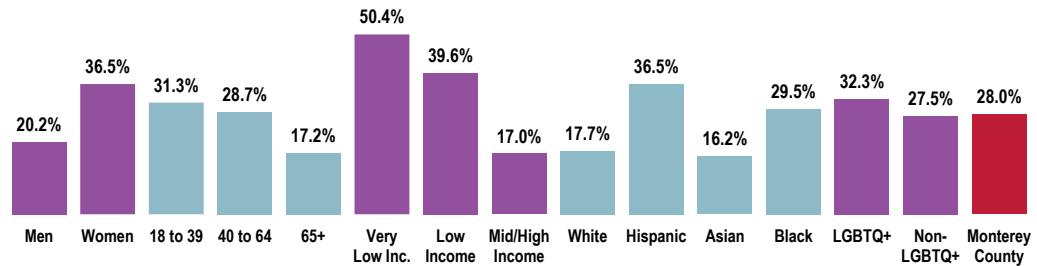
**DISPARITY** ▶ Highest in the South County and Salinas areas. Difficulty accessing affordable produce is highly correlated with age and income (higher in young adults and especially those with lower incomes); women, Hispanic residents, and Black respondents also report more difficulty accessing affordable produce.

### Find It “Very” or “Somewhat” Difficult to Buy Affordable Fresh Produce



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 79]  
 • 2020 PRC National Health Survey, PRC, Inc.  
 Notes: • Asked of all respondents.

### Find It “Very” or “Somewhat” Difficult to Buy Affordable Fresh Produce (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 79]  
 Notes: • Asked of all respondents.

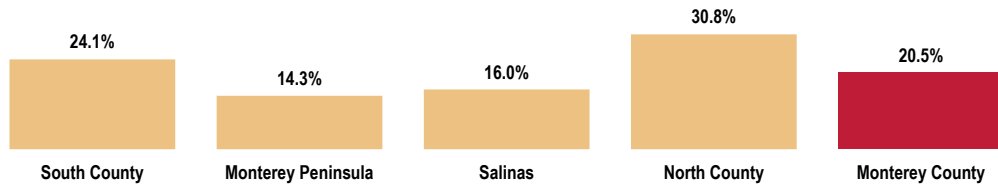


# Sugar-Sweetened Beverages

A total of 20.5% of Monterey County adults report drinking an average of at least one sugar-sweetened beverage per day in the past week.

**DISPARITY** ► Highest in the North County area. Sugar-sweetened beverage consumption correlates strongly with weight status among county residents and is also high among men, those under 65, individuals with low incomes, Hispanic persons, and Black or African American persons.

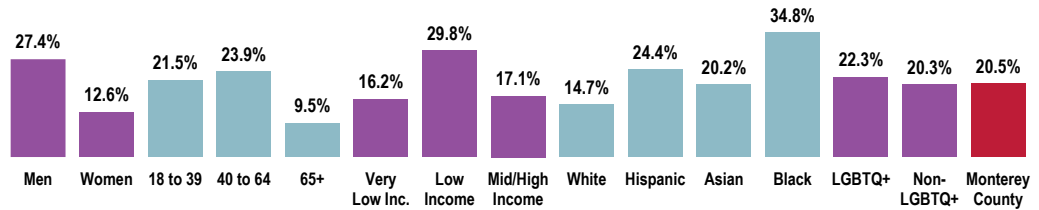
## Had Seven or More Sugar-Sweetened Beverages in the Past Week



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 325]  
 Notes: • Asked of all respondents.

## Had Seven or More Sugar-Sweetened Beverages in the Past Week (Monterey County, 2022)

Among Healthy Weight 15.2%  
 Among Overweight 24.8%  
 Among Obese 56.5%



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 325]  
 Notes: • Asked of all respondents.



# PHYSICAL ACTIVITY

## ABOUT PHYSICAL ACTIVITY

Physical activity can help prevent disease, disability, injury, and premature death. The Physical Activity Guidelines for Americans lays out how much physical activity children, adolescents, and adults need to get health benefits. Although most people don't get the recommended amount of physical activity, it can be especially hard for older adults and people with chronic diseases or disabilities.

Strategies that make it safer and easier to get active — like providing access to community facilities and programs — can help people get more physical activity. Strategies to promote physical activity at home, at school, and at childcare centers can also increase activity in children and adolescents.

– Healthy People 2030 (<https://health.gov/healthypeople>)

## Leisure-Time Physical Activity

**A total of 25.8% of Monterey County adults report no leisure-time physical activity in the past month.**

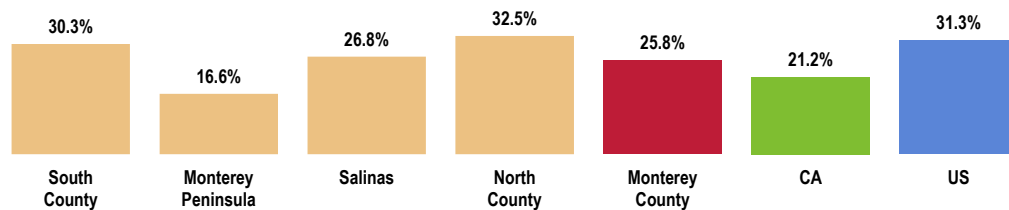
**BENCHMARK** ▶ Well below the US figure but worse than the California percentage. Fails to satisfy the Healthy People 2030 objective.

**DISPARITY** ▶ Unfavorably high in the South and North County areas.

Leisure-time physical activity includes any physical activities or exercises (such as running, calisthenics, golf, gardening, walking, etc.) which take place outside of one's line of work.

### No Leisure-Time Physical Activity in the Past Month

Healthy People 2030 = 21.2% or Lower



- Sources:
- 2022 PRC Community Health Survey, PRC, Inc. [Item 82]
  - Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.
  - 2020 PRC National Health Survey, PRC, Inc.
  - US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>
- Notes:
- Asked of all respondents.



# Activity Levels

## ADULTS: RECOMMENDED LEVELS OF PHYSICAL ACTIVITY

Adults should do 2 hours and 30 minutes a week of moderate-intensity (such as walking), or 1 hour and 15 minutes (75 minutes) a week of vigorous-intensity **aerobic** physical activity (such as jogging), or an equivalent combination of moderate- and vigorous-intensity aerobic physical activity. The guidelines also recommend that adults do **muscle-strengthening** activities, such as push-ups, sit-ups, or activities using resistance bands or weights. These activities should involve all major muscle groups and be done on two or more days per week.

The report finds that nationwide nearly 50 percent of adults are getting the recommended amounts of aerobic activity and about 30 percent are engaging in the recommended muscle-strengthening activity.

– 2013 Physical Activity Guidelines for Americans, US Department of Health and Human Services.  
[www.cdc.gov/physicalactivity](http://www.cdc.gov/physicalactivity)

## Adults

**A total of 29.6% of Monterey County adults regularly participate in adequate levels of both aerobic and strengthening activities (meeting physical activity recommendations).**

**BENCHMARK** ► Better than both the state and national percentages.

**DISPARITY** ► Lowest in the Salinas area. Those less often meeting physical activity recommendations include women, those aged 40 to 64, very low-income individuals, and Asian respondents.

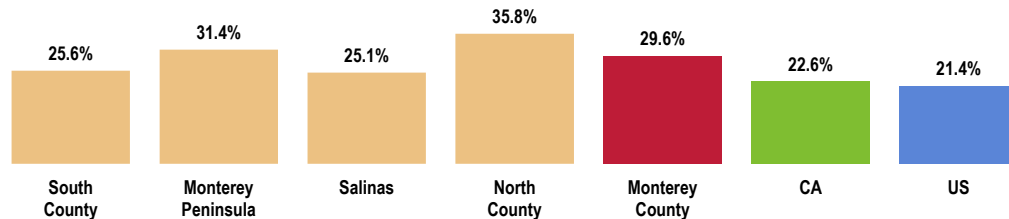
“Meeting physical activity recommendations” includes adequate levels of both aerobic and strengthening activities:

**Aerobic** activity is one of the following: at least 150 minutes per week of light to moderate activity, 75 minutes per week of vigorous activity, or an equivalent combination of both.

**Strengthening** activity is at least 2 sessions per week of exercise designed to strengthen muscles.

## Meets Physical Activity Recommendations

Healthy People 2030 = 28.4% or Higher

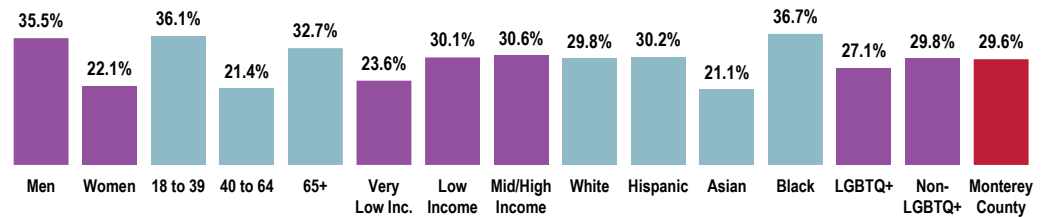


- Sources:
- 2022 PRC Community Health Survey, PRC, Inc. [Item 126]
  - Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC); 2021 California data.
  - 2020 PRC National Health Survey, PRC, Inc.
  - US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>
- Notes:
- Asked of all respondents.
  - Meeting both guidelines is defined as the number of persons age 18+ who report light or moderate aerobic activity for at least 150 minutes per week or who report vigorous physical activity 75 minutes per week or an equivalent combination of moderate and vigorous-intensity activity and report doing physical activities specifically designed to strengthen muscles at least twice per week.



## Meets Physical Activity Recommendations (Monterey County, 2022)

Healthy People 2030 = 28.4% or Higher



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 126]  
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes: • Asked of all respondents.  
 • Meeting both guidelines is defined as the number of persons age 18+ who report light or moderate aerobic activity for at least 150 minutes per week or who report vigorous physical activity 75 minutes per week or an equivalent combination of moderate and vigorous-intensity activity and report doing physical activities specifically designed to strengthen muscles at least twice per week.

## Children

### CHILDREN: RECOMMENDED LEVELS OF PHYSICAL ACTIVITY

Children and adolescents should do 60 minutes (1 hour) or more of physical activity each day.

– 2013 Physical Activity Guidelines for Americans, US Department of Health and Human Services.  
[www.cdc.gov/physicalactivity](http://www.cdc.gov/physicalactivity)

**Among Monterey County children age 2 to 17, 24.4% are reported to have had 60 minutes of physical activity on each of the seven days preceding the interview (1+ hours per day).**

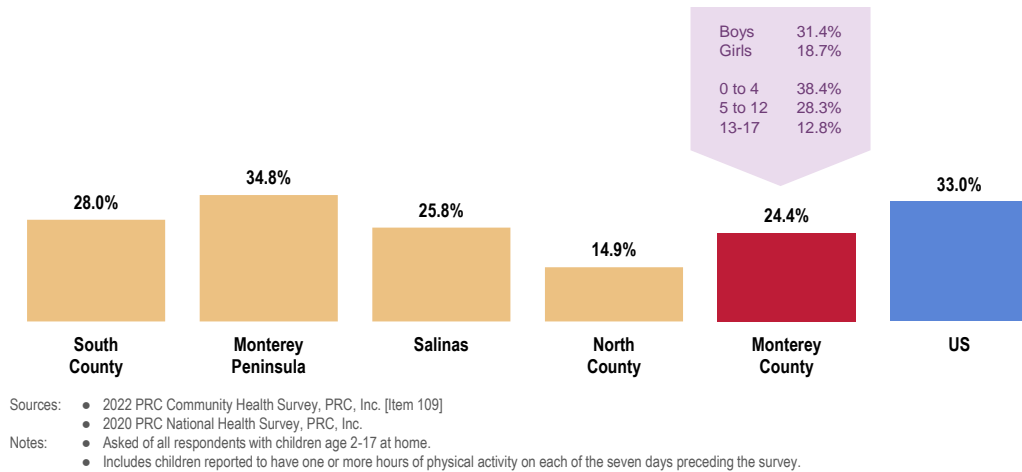
**BENCHMARK** ▶ Much lower than the national finding.

**DISPARITY** ▶ Particularly low in the North County area.





## Child Is Physically Active for One or More Hours per Day (Parents of Children Age 2-17)

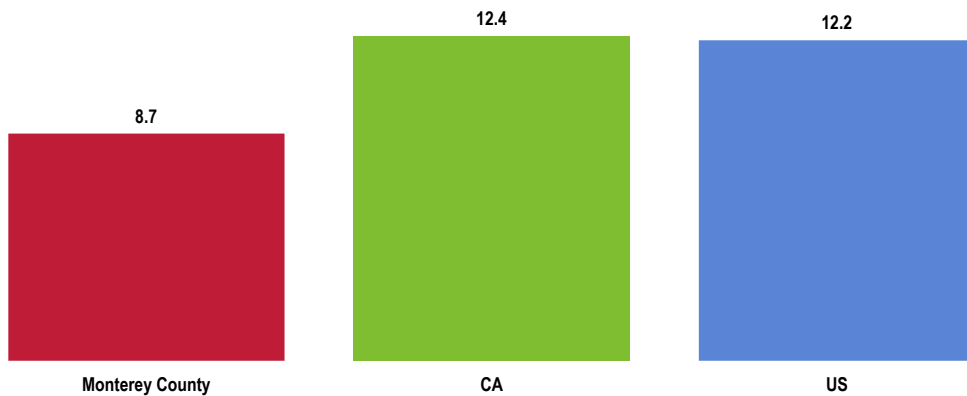


## Access to Physical Activity

In 2019, there were 8.7 recreation/fitness facilities for every 100,000 population in Monterey County.

**BENCHMARK** ▶ Less favorable than both the state and US ratios.

### Population With Recreation & Fitness Facility Access (Number of Recreation & Fitness Facilities per 100,000 Population, 2019)



Sources: 

- US Census Bureau, County Business Patterns. Additional data analysis by CARES.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

Notes: 

- Recreation and fitness facilities are defined by North American Industry Classification System (NAICS) Code 713940, which include *Establishments engaged in operating facilities which offer "exercise and other active physical fitness conditioning or recreational sports activities."* Examples include athletic clubs, gymnasiums, dance centers, tennis clubs, and swimming pools. This indicator is relevant because access to recreation and fitness facilities encourages physical activity and other healthy behaviors.



# WEIGHT STATUS

## ABOUT OVERWEIGHT & OBESITY

Obesity is linked to many serious health problems, including type 2 diabetes, heart disease, stroke, and some types of cancer. Some racial/ethnic groups are more likely to have obesity, which increases their risk of chronic diseases.

Culturally appropriate programs and policies that help people eat nutritious foods within their calorie needs can reduce overweight and obesity. Public health interventions that make it easier for people to be more physically active can also help them maintain a healthy weight.

- Healthy People 2030 (<https://health.gov/healthypeople>)

Body Mass Index (BMI), which describes relative weight for height, is significantly correlated with total body fat content. The BMI should be used to assess overweight and obesity and to monitor changes in body weight. In addition, measurements of body weight alone can be used to determine efficacy of weight loss therapy. BMI is calculated as weight (kg)/height squared ( $m^2$ ). To estimate BMI using pounds and inches, use: [weight (pounds)/height squared (inches<sup>2</sup>)] x 703.

In this report, overweight is defined as a BMI of 25.0 to 29.9  $kg/m^2$  and obesity as a BMI  $\geq 30 kg/m^2$ . The rationale behind these definitions is based on epidemiological data that show increases in mortality with BMIs above 25  $kg/m^2$ . The increase in mortality, however, tends to be modest until a BMI of 30  $kg/m^2$  is reached. For persons with a BMI  $\geq 30 kg/m^2$ , mortality rates from all causes, and especially from cardiovascular disease, are generally increased by 50 to 100 percent above that of persons with BMIs in the range of 20 to 25  $kg/m^2$ .

- Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults: The Evidence Report. National Institutes of Health. National Heart, Lung, and Blood Institute in Cooperation With The National Institute of Diabetes and Digestive and Kidney Diseases. September 1998.

## Adult Weight Status

CLASSIFICATION OF OVERWEIGHT AND OBESITY BY BMI	BMI ( $kg/m^2$ )
Underweight	<18.5
Normal	18.5 – 24.9
Overweight	25.0 – 29.9
Obese	$\geq 30.0$

Source: Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults: The Evidence Report. National Institutes of Health. National Heart, Lung, and Blood Institute in Cooperation With The National Institute of Diabetes and Digestive and Kidney Diseases. September 1998.



## Overweight Status

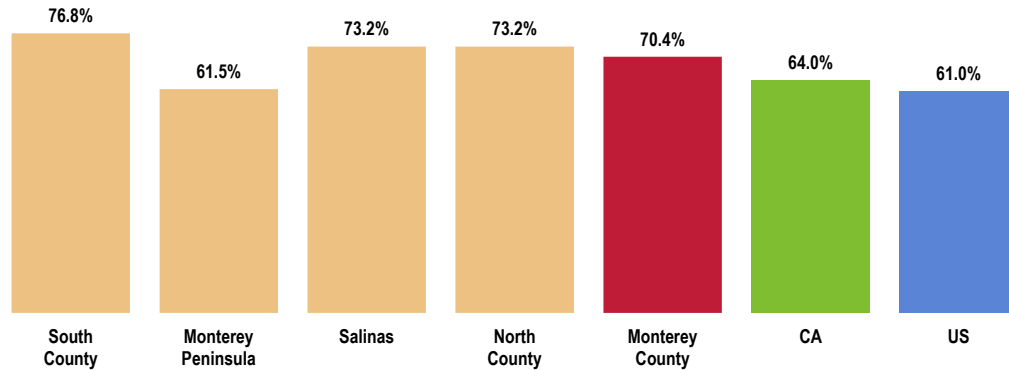
A total of 7 in 10 Monterey County adults (70.4%) are **overweight**.

**BENCHMARK** ▶ Worse than both the state and national percentages.

**DISPARITY** ▶ Lowest among respondents in the Monterey Peninsula area.

Here, "overweight" includes those respondents with a BMI value  $\geq 25$ .

### Prevalence of Total Overweight (Overweight and Obese)



- Sources:
- 2022 PRC Community Health Survey, PRC, Inc. [Item 128]
  - Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC); 2021 California data.
  - 2020 PRC National Health Survey, PRC, Inc.
- Notes:
- Based on reported heights and weights, asked of all respondents.
  - The definition of overweight is having a body mass index (BMI), a ratio of weight to height (kilograms divided by meters squared), greater than or equal to 25.0, regardless of gender. The definition for obesity is a BMI greater than or equal to 30.0.

The overweight prevalence above includes 42.0% of Monterey County adults who are **obese**.

**BENCHMARK** ▶ Higher than both the California and US findings. Fails to satisfy the Healthy People 2030 objective.

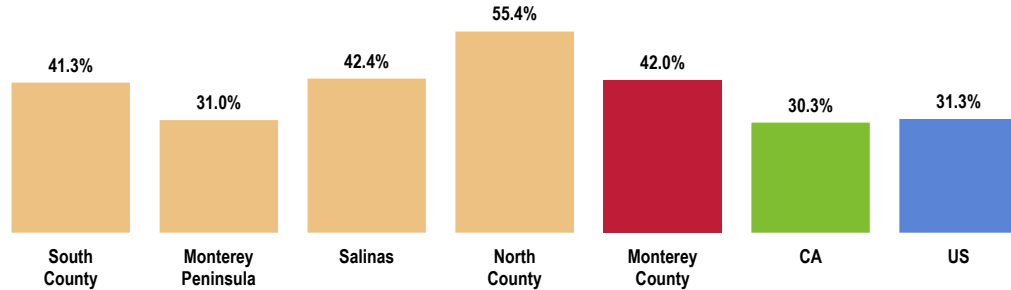
**DISPARITY** ▶ Over half North County respondents are obese. Across the county, obesity is higher among women, those under 65, and low-income respondents; obesity is much lower among Asian persons.

"Obese" (also included in overweight prevalence discussed previously) includes respondents with a BMI value  $\geq 30$ .



## Prevalence of Obesity

Healthy People 2030 = 36.0% or Lower



Sources:

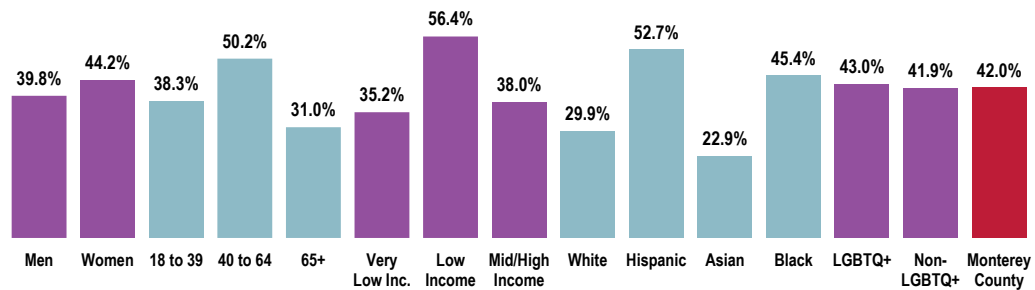
- 2022 PRC Community Health Survey, PRC, Inc. [Item 128]
- Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.
- 2020 PRC National Health Survey, PRC, Inc.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes:

- Based on reported heights and weights, asked of all respondents.
- The definition of obesity is having a body mass index (BMI), a ratio of weight to height (kilograms divided by meters squared), greater than or equal to 30.0, regardless of gender.

## Prevalence of Obesity (Monterey County, 2022)

Healthy People 2030 = 36.0% or Lower



Sources:

- 2022 PRC Community Health Survey, PRC, Inc. [Item 128]
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes:

- Based on reported heights and weights, asked of all respondents.
- The definition of obesity is having a body mass index (BMI), a ratio of weight to height (kilograms divided by meters squared), greater than or equal to 30.0, regardless of gender.

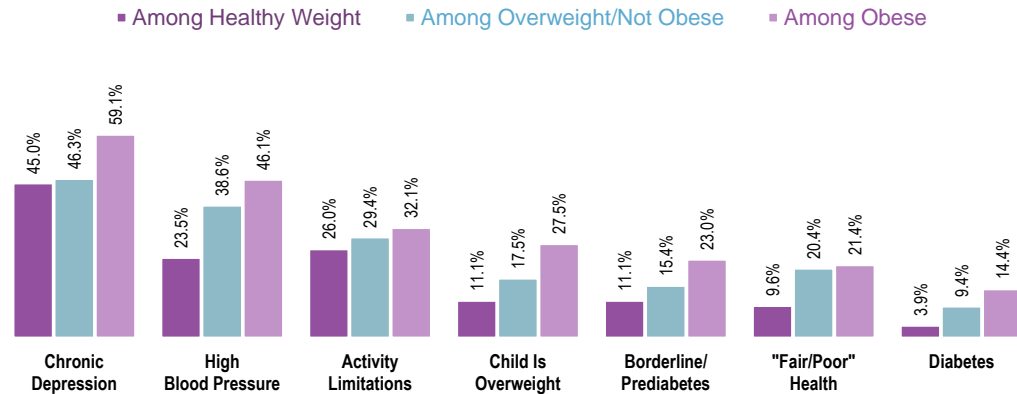
## Relationship of Overweight With Other Health Issues

Overweight and obese adults are more likely to report a number of adverse health conditions, as outlined in the following chart.

The correlation between overweight and various health issues cannot be disputed.



## Relationship of Overweight With Other Health Issues (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 128]  
Notes: • Based on reported heights and weights, asked of all respondents.

## Children's Weight Status

### ABOUT WEIGHT STATUS IN CHILDREN & TEENS

In children and teens, body mass index (BMI) is used to assess weight status – underweight, healthy weight, overweight, or obese. After BMI is calculated for children and teens, the BMI number is plotted on the CDC BMI-for-age growth charts (for either girls or boys) to obtain a percentile ranking. Percentiles are the most commonly used indicator to assess the size and growth patterns of individual children in the United States. The percentile indicates the relative position of the child's BMI number among children of the same sex and age.

BMI-for-age weight status categories and the corresponding percentiles are shown below:

- Underweight <5<sup>th</sup> percentile
- Healthy Weight ≥5<sup>th</sup> and <85<sup>th</sup> percentile
- Overweight ≥85<sup>th</sup> and <95<sup>th</sup> percentile
- Obese ≥95<sup>th</sup> percentile

– Centers for Disease Control and Prevention

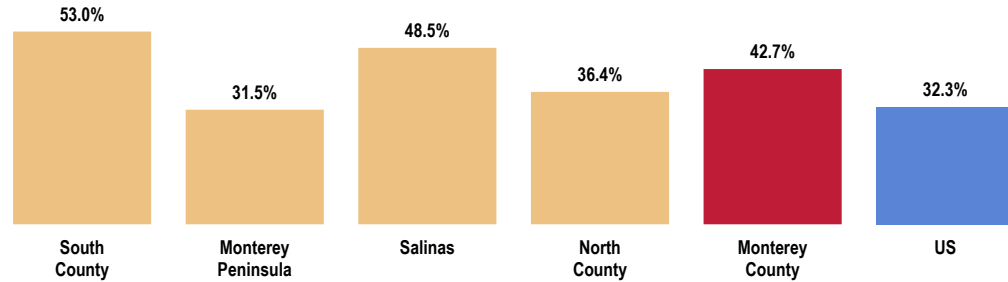
**Based on the heights/weights reported by surveyed parents, 42.7% of Monterey County children age 5 to 17 are overweight or obese (≥85th percentile).**

**BENCHMARK** ► Much higher than the national finding.

**DISPARITY** ► Over half of school-aged children in South County are overweight.



## Prevalence of Overweight in Children (Parents of Children Age 5-17)



Sources: 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 131]
- 2020 PRC National Health Survey, PRC, Inc.

  
 Notes: 

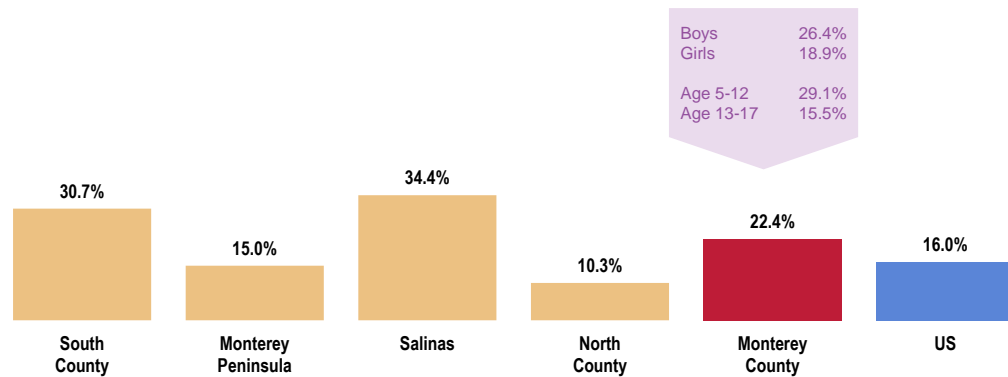
- Asked of all respondents with children age 5-17 at home.
- Overweight among children is determined by children's Body Mass Index status at or above the 85<sup>th</sup> percentile of US growth charts by gender and age.

**The childhood overweight prevalence above includes 22.4% of area children age 5 to 17 who are obese (≥95<sup>th</sup> percentile).**

**BENCHMARK** ► Higher than the US percentage. Fails to satisfy the Healthy People 2030 objective.

**DISPARITY** ► Childhood obesity is highest in the South County and Salinas areas.

## Prevalence of Obesity in Children (Children Age 5-17 Who Are Obese; BMI in the 95<sup>th</sup> Percentile or Higher) Healthy People 2030 = 15.5% or Lower



Sources: 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 131]
- 2020 PRC National Health Survey, PRC, Inc.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

  
 Notes: 

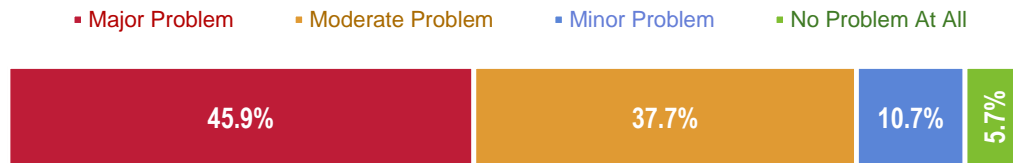
- Asked of all respondents with children age 5-17 at home.
- Obesity among children is determined by children's Body Mass Index status equal to or above the 95<sup>th</sup> percentile of US growth charts by gender and age.



# Key Informant Input: Nutrition, Physical Activity & Weight

Key informants taking part in an online survey most often characterized *Nutrition, Physical Activity & Weight* as a “major problem” in the community.

## Perceptions of Nutrition, Physical Activity, and Weight as a Problem in the Community (Key Informants, 2022)



Sources: ● PRC Online Key Informant Survey, PRC, Inc.  
Notes: ● Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

### Nutrition

- Too many fast foods. – Community Leader
- Easy access to junk food. – Community Leader
- I see so many kids that choose to eat chips, candy, and soda after school without regard for the long term mental and physical consequences of eating such foods. – Community Leader
- Too easy availability of unhealthy foods, lack of education and support. Complexity of individual medical/genetic factors which contribute to obesity. Complexity of lifestyles which are not supportive of making time for physical activity. – Physician
- Fast food, food insecurity, sedentary lifestyles all contribute. People have lost the ability to cook from scratch, so eat high salt, high fat, prepackaged meals. – Community Leader
- Children are growing up without proper nutrition (fast food) because it is easier and less expensive than some foods. Many of our youth are overweight especially as we come out of the pandemic. We are trying to help our community by partnering with ALL IN Monterey and Food Bank by providing fresh vegetables, but it is only once a week in a limited way. We are encouraging lots of active activities and new opportunities for our youth and families. – Social Services Provider
- Food choices. – Social Services Provider

### Obesity

- Obesity is all around the county. Sadly, the younger generation seems to not really care. The teenagers are busy eating Red Hot Corn Chips and Red Bull. It seems only those involved in sports have any idea how to eat and exercise. The older groups also are mostly overweight and show little care about their diets and general health, until something tragic happens to them or a family member. Diabetes is mostly a plague in Mo Co. – Community Leader
- Massive problems with obesity, starting with toddlers. Lack of emphasis on regular physical activity in families and schools. – Physician
- Although there is a younger population in the Salinas Valley there is a disproportionate amount of early chronic conditions related to obesity and metabolic syndrome. There are areas where fresh produce and healthy food choices are not available or not affordable. There are areas that do not have adequate or safe outdoor spaces for exercise. – Physician
- Obesity, sedentary lifestyles, pandemic stress, lack of time to cook healthy meals. – Other Health Provider
- Obesity is at epidemic levels, which means that diabetes is also rampant. – Physician
- Many of our diabetic patients are obese with poor eating habits. – Other Health Provider



## Awareness/Education

The community needs more preventative programs to improve nutrition, physical activity, and overall community health. There also needs to be an effort to have safer communities, walking/running paths, parks free of violence and drugs. – Other Health Provider

Lack of access to nutritional education and programs. Food insecurities for immigrant communities and residents in a lower social-economic status. – Social Services Provider

There is no consistent program that coordinates education with physical activity. We need a weight loss program the patients can access on a regular basis. – Physician

Education and facilities. – Community Leader

Once again, it is the lack of education and outreach to the community. – Social Services Provider

Education and stress. – Community Leader

## Access to Care/Services

No city, county or state provided facilities or programs to assist these individuals. We assist individuals with drug and alcohol abuse, why are there no city, county or state funded facilities or programs to do the same for people with weight or diabetic issues? – Community Leader

Again, it's an access issue. People living in Monterey/Pacific Grove have different access to healthy foods, safe places to exercise, etc. than those living in King City or Salinas. We should be focusing on equity in the county and putting more resources towards the communities that are struggling to make ends meet. – Social Services Provider

## Persons At Increased Risk for Adverse Health Outcomes

There are very little to no public resources located in South Monterey County that teach our unique demographic how to eat healthier nutritionally and how to keep yourself healthier. Most of our migrant and generational migrant residents do not participate in any exercise regimen nor purchase high quality nutritionally rich foods. This is a significant area of need. – Community Leader

Poor nutrition in the highest risk communities. Latino and people of color. Low access to healthy foods. – Other Health Provider

## Built Environment

Lack of outdoor recreation time/space. Portion size. Inactivity. – Social Services Provider

Lack of access to safe parks and routes. – Public Health Representative

The Salinas Valley was not really planned as a walking community. Many unincorporated areas do not have sidewalks and the streets are in disrepair which makes it hard to walk and exercise outdoors. Many people do not have funds/transportation to access nutritional food. – Social Services Provider

## Lack of Time

Recreation time. – Social Services Provider

Working families have difficulty finding time to eat healthy and to exercise. Fast food is inexpensive and easily available. – Community Leader

## Due to COVID-19

The pandemic has challenged people working from home to eat healthy and exercise. Gyms were closed, not everyone can afford or have space to purchase equipment for home use. Healthy food is TOO EXPENSIVE for people with low incomes. It is a struggle to teach people with families to eat healthy when it is cheaper and faster to eat poorly. Our fast-food stores should increase their healthy options. Increases in anxiety and depression lead to weight gain. – Other Health Provider

COVID-19 has added to the challenges of weight gain and nutrition. There has been a lot of coverage that many people "overate" and stopped exercising over the past two years. – Social Services Provider

## Lifestyle

Too many of our working families do not have time to exercise, eat right with smaller portion size, and don't know enough about nutrition to eat healthy foods. Families that do not have financial resources tend to purchase food that is low cost and low-cost foods can be the less nutritious foods. – Community Leader

For most people it's not access - it's the will or the time to prepare nutritional meals or exercise. I don't want to minimize the expense of food now - and that it may be less expensive to go to McDonald's than to feed your family nutritional foods. There are also some families that don't have adequate housing and can't prepare healthy meals. But for the majority of residents - it's will and desire. – Community Leader





## Safety

Public safety and fear of crime makes it hard for children and adults to incorporate outdoor activities into their daily lives. – Other Health Provider

## Access to Affordable Food

Limited access to nutritional foods. Food is expensive. Lack of organized activities to support and promote healthy living. – Community Leader

Access to healthy food at an affordable price. Due to the pandemic parks and other public places have been closed for families to go to. Nutrition education is essential for our community to be educated on the effects long term of chronic illnesses and diseases. – Other Health Provider

Lack of access to good food, way too much access to fast, processed foods, cost of fresh food, lack of walkable streets, stress. – Public Health Representative

Lack of equitable access to nutritious foods and safe spaces to recreate. Immediate access to low cost, high fat, and high calorie foods (fast foods, convenient snacks, etc.). Lack of access to preventative care. Lacking infrastructure that promotes walkability/bikeability. – Public Health Representative

Access to healthy food and safe open space used for physical activity. – Social Services Provider

Lack of access to affordable nutritious foods, feelings of not being safe when exercising outside, lack of access to culturally, linguistically, and literacy-level appropriate educational programs. – Social Services Provider

Low income, higher relative cost of relative foods. Stressful jobs and home life due to income disparities, unaffordable housing. – Public Health Representative

It's expensive to eat healthy, people are working long hours and don't exercise enough, or their neighborhoods make it difficult to exercise safely. – Social Services Provider

Affordable healthy food options, affordable exercise spaces that are safe. – Physician

Financial access to healthy options, education about healthy options and how they impact prevention of chronic disease. – Social Services Provider

## Childhood Obesity

Childhood obesity. – Other Health Provider



# SUBSTANCE USE

## ABOUT DRUG & ALCOHOL USE

More than 20 million adults and adolescents in the United States have had a substance use disorder in the past year. ...Substance use disorders can involve illicit drugs, prescription drugs, or alcohol. Opioid use disorders have become especially problematic in recent years. Substance use disorders are linked to many health problems, and overdoses can lead to emergency department visits and deaths.

Effective treatments for substance use disorders are available, but very few people get the treatment they need. Strategies to prevent substance use — especially in adolescents — and help people get treatment can reduce drug and alcohol misuse, related health problems, and deaths.

– Healthy People 2030 (<https://health.gov/healthypeople>)

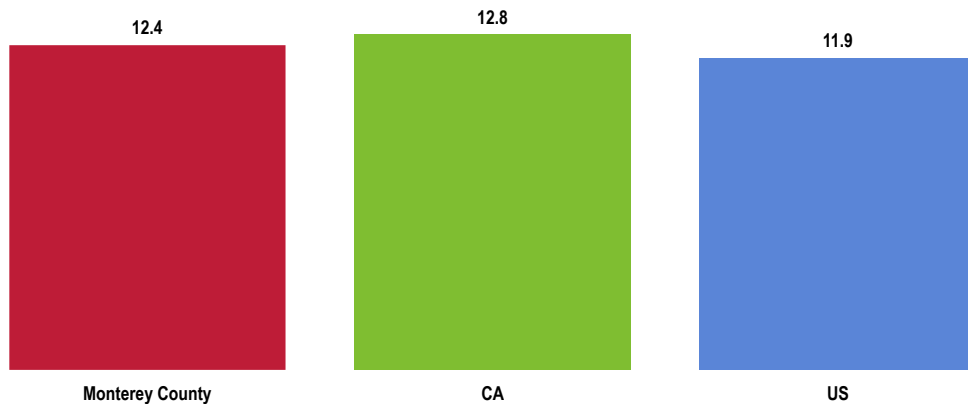
## Age-Adjusted Cirrhosis/Liver Disease Deaths

**Between 2018 and 2020, Monterey County reported an annual average age-adjusted cirrhosis/liver disease mortality rate of 12.4 deaths per 100,000 population.**

**TREND** ▶ Increasing over time.

**DISPARITY** ▶ Cirrhosis/liver disease deaths are higher among Hispanic residents.

**Cirrhosis/Liver Disease: Age-Adjusted Mortality**  
(2018-2020 Annual Average Deaths per 100,000 Population)  
Healthy People 2030 Objective = 10.9 or Lower

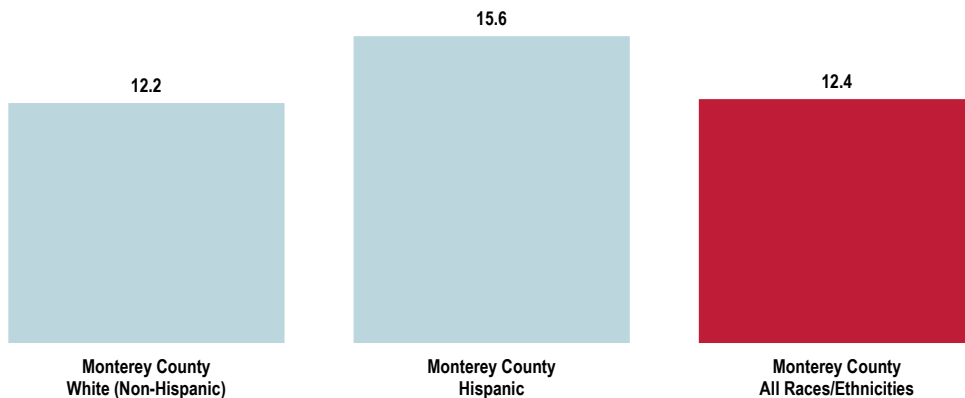


Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>



## Cirrhosis/Liver Disease: Age-Adjusted Mortality by Race (2018-2020 Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 10.9 or Lower



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

## Cirrhosis/Liver Disease: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)

Healthy People 2030 = 10.9 or Lower



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	10.3	9.4	10.5	10.6	11.4	11.6	12.2	12.4
CA	11.7	11.8	12.2	12.3	12.3	12.1	12.2	12.8
US	10.0	10.4	10.6	10.8	10.8	10.9	11.1	11.9

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.  
• US Department of Health and Human Services. Healthy People 2030. August 2030. <http://www.healthypeople.gov>



# Alcohol Use

## Excessive Drinking

Excessive drinking includes heavy and/or binge drinkers:

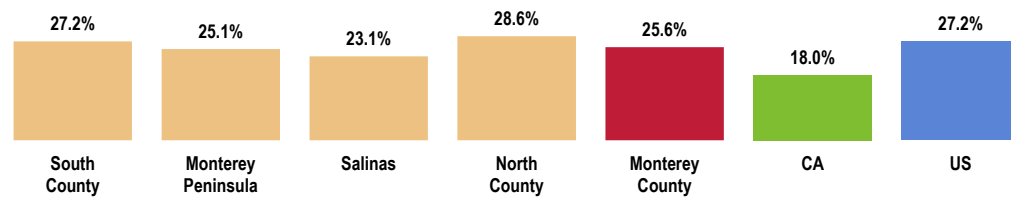
- HEAVY DRINKERS ► men reporting 2+ alcoholic drinks per day or women reporting 1+ alcoholic drink per day in the month preceding the interview.
- BINGE DRINKERS ► men reporting 5+ alcoholic drinks or women reporting 4+ alcoholic drinks on any single occasion during the past month.

**A total of 25.6% of area adults are excessive drinkers (heavy and/or binge drinkers).**

**BENCHMARK** ► Higher than the California percentage.

**DISPARITY** ► Excessive drinking is lower in the Salinas area and among Asian respondents; in contrast, excessive drinking is higher among men, adults under 40 years old, and LGBTQ+ individuals.

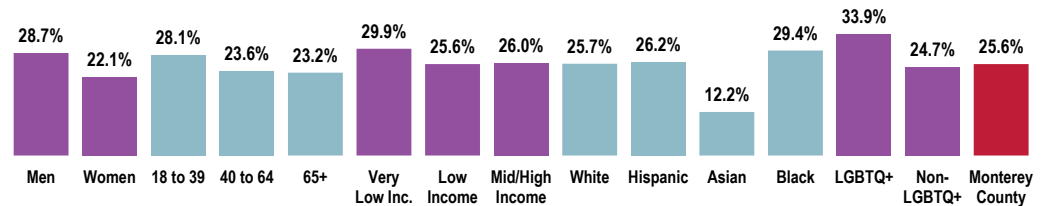
### Excessive Drinkers



- Sources:
- 2022 PRC Community Health Survey, PRC, Inc. [Item 136]
  - Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.
  - 2020 PRC National Health Survey, PRC, Inc.
- Notes:
- Asked of all respondents.
  - Excessive drinking reflects the number of persons aged 18 years and over who drank more than two drinks per day on average (for men) or more than one drink per day on average (for women) OR who drank 5 or more drinks during a single occasion (for men) or 4 or more drinks during a single occasion (for women) during the past 30 days.



## Excessive Drinkers (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 136]  
 Notes: • Asked of all respondents.  
 • Excessive drinking reflects the number of persons aged 18 years and over who drank more than two drinks per day on average (for men) or more than one drink per day on average (for women) OR who drank 5 or more drinks during a single occasion (for men) or 4 or more drinks during a single occasion (for women) during the past 30 days.

## Age-Adjusted Unintentional Drug-Related Deaths

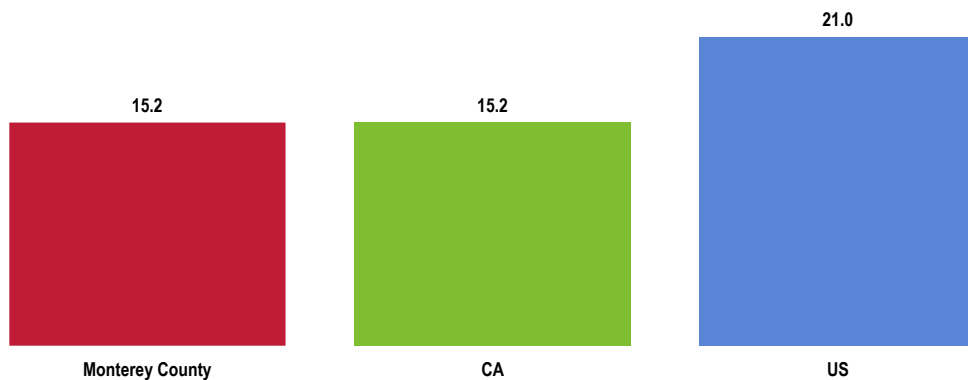
Between 2018 and 2020, there was an annual average age-adjusted unintentional drug-related mortality rate of 15.2 deaths per 100,000 population in Monterey County.

**BENCHMARK** ▶ Favorably lower than the national rate.

**TREND** ▶ Increasing sharply in recent years.

**DISPARITY** ▶ Unintentional drug-related deaths are much higher among non-Hispanic White persons in the county.

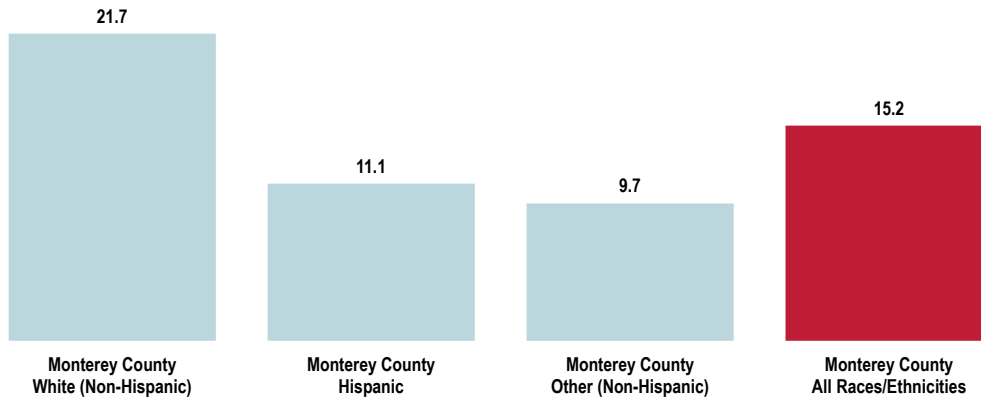
### Unintentional Drug-Related Deaths: Age-Adjusted Mortality (2018-2020 Annual Average Deaths per 100,000 Population)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

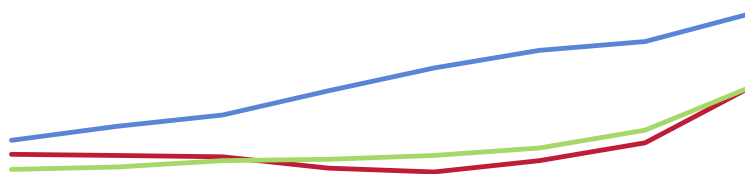


## Unintentional Drug-Related Deaths: Age-Adjusted Mortality by Race (2018-2020 Annual Average Deaths per 100,000 Population)



Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.

## Unintentional Drug-Related Deaths: Age-Adjusted Mortality Trends (Annual Average Deaths per 100,000 Population)



	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020
Monterey County	9.9	9.8	9.7	8.8	8.5	9.4	10.8	15.2
CA	8.7	8.9	9.4	9.5	9.8	10.4	11.8	15.2
US	11.0	12.1	13.0	14.9	16.7	18.1	18.8	21.0

Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.



# Illicit Drug Use

For the purposes of this survey, "illicit drug use" includes use of illegal substances or of prescription drugs taken without a physician's order.

Note: As a self-reported measure – and because this indicator reflects potentially illegal behavior – it is reasonable to expect that it might be underreported, and that actual illicit drug use in the community is likely higher.

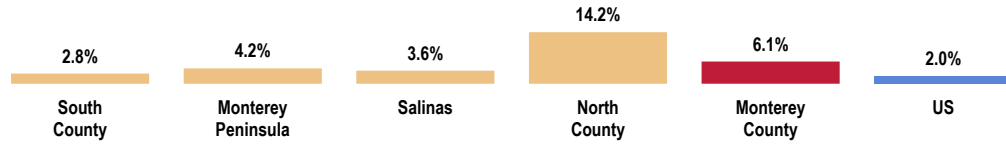
**A total of 6.1% of Monterey County adults acknowledge using an illicit drug in the past month.**

**BENCHMARK** ▶ Illicit drug use in Monterey County is over three times as high as the national percentage, but satisfies the Healthy People 2030 objective.

**DISPARITY** ▶ Much higher in the North County area. Illicit drug use is more common among men, those under age 65, very low income and mid/high income respondents, Hispanic residents, and LGBTQ+ individuals.

## Illicit Drug Use in the Past Month

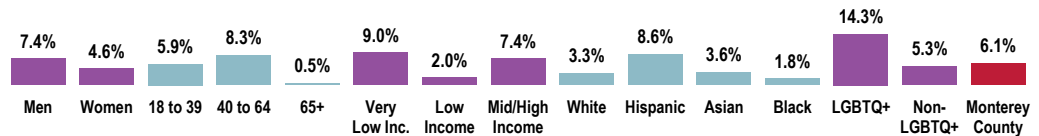
Healthy People 2030 = 12.0% or Lower



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 49]  
 • 2020 PRC National Health Survey, PRC, Inc.  
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>  
 Notes: • Asked of all respondents.

## Illicit Drug Use in the Past Month (Monterey County, 2022)

Healthy People 2030 = 12.0% or Lower



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 49]  
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>  
 Notes: • Asked of all respondents.



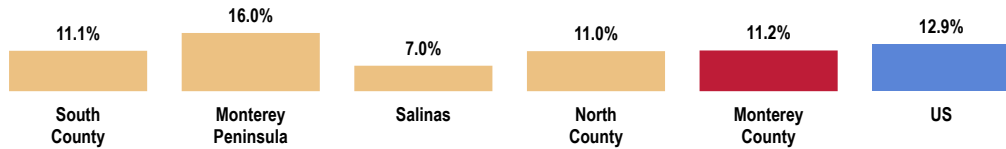
# Use of Prescription Opioids

Opioids are a class of drugs used to treat pain. Examples presented to respondents include morphine, codeine, hydrocodone, oxycodone, methadone, and fentanyl. Common brand name opioids include Vicodin, Dilaudid, Percocet, OxyContin, and Demerol.

**A total of 11.2% of Monterey County adults report using a prescription opioid drug in the past year.**

**DISPARITY** ► Highest in the Monterey Peninsula area. Prescription opioid use is higher among women, those aged 18 to 39 and those 65 and older, very low income residents, White persons, Asian persons, and LGBTQ+ respondents.

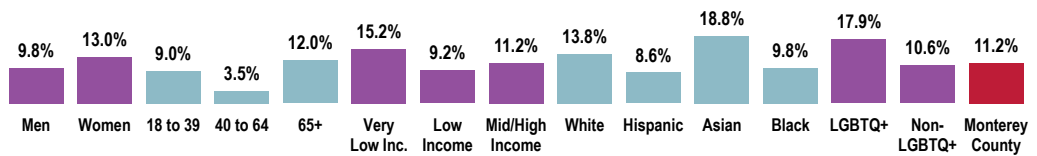
## Used a Prescription Opioid in the Past Year



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 50]  
 • 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents.

## Used a Prescription Opioid in the Past Year (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 50]  
 • 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents.



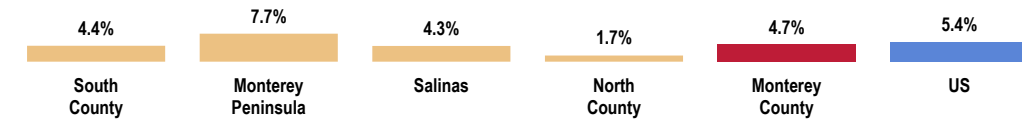


# Alcohol & Drug Treatment

A total of 4.7% of Monterey County adults report that they have sought professional help for an alcohol or drug problem at some point in their lives.

DISPARITY ► Highest in the Monterey Peninsula area.

## Have Ever Sought Professional Help for an Alcohol/Drug-Related Problem



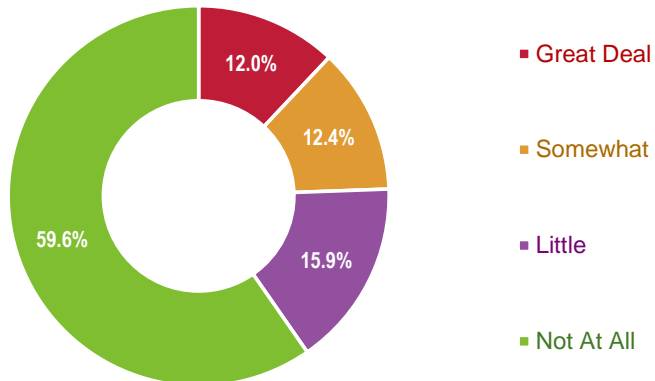
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 51]  
 • 2020 PRC National Health Survey, PRC, Inc.  
 Notes: • Asked of all respondents.

# Personal Impact From Substance Use

Most Monterey County residents' lives have not been negatively affected by substance use (either their own or someone else's).

Area adults were also asked to what degree their lives have been impacted by substance use (whether their own abuse or that of another).

## Degree to Which Life Has Been Negatively Affected by Substance Use (Self or Other's) (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 52]  
 Notes: • Asked of all respondents.

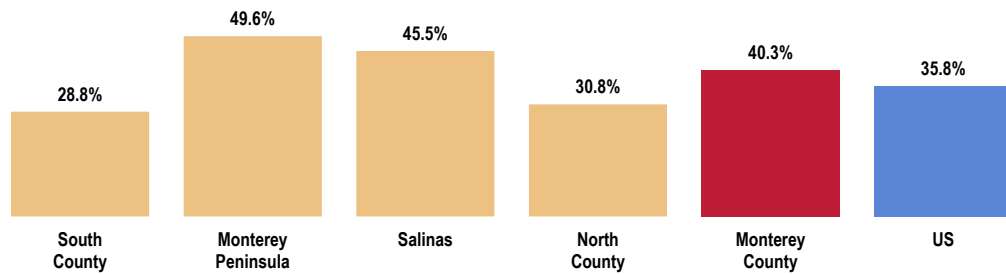


However, 40.3% have felt a personal impact to some degree (“a little,” “somewhat,” or “a great deal”).

**BENCHMARK** ► Worse than the national percentage.

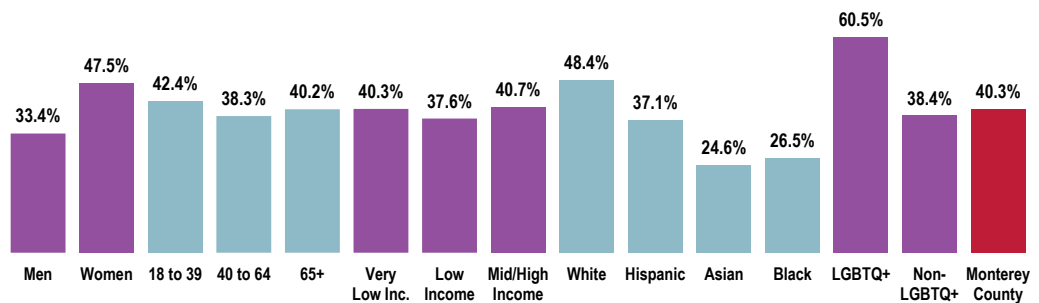
**DISPARITY** ► Highest in the Monterey Peninsula and Salinas areas. Countywide, those more likely to report personal impact from substance use include women, White persons, Hispanic persons, and LGBTQ+ respondents.

### Life Has Been Negatively Affected by Substance Use (by Self or Someone Else)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 52]  
 • 2020 PRC National Health Survey, PRC, Inc.  
 Notes: • Asked of all respondents.  
 • Includes response of “a great deal,” “somewhat,” and “a little.”

### Life Has Been Negatively Affected by Substance Use (by Self or Someone Else) (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 52]  
 Notes: • Asked of all respondents.  
 • Includes response of “a great deal,” “somewhat,” and “a little.”



# Key Informant Input: Substance Use

Most key informants taking part in an online survey characterized *Substance Use* as a “major problem” in the community.

## Perceptions of Substance Use as a Problem in the Community (Key Informants, 2022)

■ Major Problem ■ Moderate Problem ■ Minor Problem ■ No Problem At All



Sources: ● PRC Online Key Informant Survey, PRC, Inc.  
Notes: ● Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

### Access to Care/Services

Lack of programming to meet the diverse socio-economic demographics of the community. – Public Health Representative

Similar to mental health, I think local access to available services is an issue. – Community Leader

Lack of long-term rehabilitation centers (residential) and support group dynamics for different abuse issues. CHOMP Crisis Center does a wonderful job, but cost of quality programs is often not affordable for many, if not most. – Other Health Provider

There are no facilities or meetings in our community. There was an AA meeting, not sure if it has restarted. – Physician

The bifurcation between physical health and SUD systems in CA makes services cumbersome and difficult to access. – Community Leader

Access to hygienic needles and safe disposal areas for used syringes. – Social Services Provider

Lack of resources or doctors who are willing to manage these patients. – Other Health Provider

Timely, culturally appropriate care for substance abuse. – Physician

Distance. – Community Leader

Nothing in local community. No education. – Community Leader

The treatment needs to go to where the people are, gently, consistently, to build trust without judgment. – Physician

There are not enough treatment programs available. – Physician

No services in our community. Lack of affordable referral services. – Other Health Provider

Very limited, silo'd programs. Sunstreet Centers, Beacon House, and others provide components of care, but families must bridge across these services with psychiatry services. Most patients need to leave the county or state to access intensive services (day or residential treatment). – Physician

Treatment and prevention are siloed and often not available at the source (i.e. in the schools). – Physician

Huge substance abuse problem here. Not enough treatment beds and of course you need the patient to want treatment to attend. It was better when the court used to force treatment onto individuals to avoid jail time. – Other Health Provider

Lack of access to enough affordable providers for inpatient recovery and lack of initiation of medication assisted treatment in emergency department and hospital settings. – Social Services Provider

Lack of adequate number of substance use treatment providers and centers. Lack of insurance coverage. – Public Health Representative

The biggest barriers are getting a medical evaluation, affordable treatment options, breakthrough treatments, and housing. Substance abusers need to travel outside our area for treatment options. There are only the Sun Street Centers, Dorothy's Kitchen, and a religious group affiliated with Liberty Chapel in our area. – Social Services Provider



Access to services, long wait lists, and high costs for low-income people are a big issue. – Public Health Representative

Lack of drug/alcohol residential treatment facilities and drug/alcohol trained counselors. Difficulty for families with medical or no insurance to access. – Community Leader

Lack of facilities and lack of interest in those addicted to illegal substances. – Community Leader

Lack of availability, cost or perceived costs, culturally appropriate services. – Social Services Provider

Lack of treatment beds. Cost of services, stigma. – Public Health Representative

The lack of adequate treatment facilities, unwillingness of some residents to access treatment. – Social Services Provider

Limited availability. – Social Services Provider

Access to treatment. – Social Services Provider

The greatest barriers are decriminalization of drugs, lack of treatment beds, and a lack of understanding by the community on what it actually takes to get people sober and back on their feet. – Social Services Provider

No residential services for youth. Limited capacity of current Medi-Cal programs for all levels of care. ASAM requirement. Stigma. Pharmacy barriers/reluctance to treating substance use disorders. – Physician

The greatest barrier to accessing substance abuse treatment is not knowing Sun Street Centers are located in South Monterey County, costs associated with treatment, and our gang/drug sales issues in South County. – Community Leader

Low number of certified providers. Lack of funding source for treatment services for youth. Stigma associated with being a substance abuser. – Public Health Representative

Limited financial support for organizations addressing this issue. Limited beds in sober living facilities. Care, when available, is not enforced. – Community Leader

All of our programs have waiting lists. In addition, we lose people all the time that are only willing to commit when they call or walk in the door. Medi-Cal requirements for intake are so time consuming that, by the time we can admit someone into treatment, they cannot be found. Those that are really willing and keep calling are often waiting for a bed because of COVID response, or limited beds for social distancing, or not enough qualified staff because we cannot afford to hold on to staff with Medi-Cal rates, or because the new graduates want to work from home. – Other Health Provider

## Stigma/Denial

Desire by the participant. Awareness of programs. Transportation and shelter to participate in the programs. – Social Services Provider

Stigma and lack of resources. – Community Leader

Stigma, lack of resources for people who don't qualify for Medi-Cal. – Social Services Provider

Stigma. Cost/lack of insurance coverage. Lack of available slots in programs designed for minors and pregnant women. – Public Health Representative

## Diagnosis/Treatment

Criminalizing substance abuse rather than providing treatment and ongoing services. Substance abuse needs ongoing, proactive treatment. People suffering in this way need to experience support, not shame. – Community Leader

Quality of programs. – Social Services Provider

## Co-Occurrences

We see a lot of meth abuse that leads to psychiatric concerns. – Other Health Provider

Untreated depression and mental illness, which often leads to self-medicating. – Community Leader

## Government/Politics

I think this relates closely to the previous social psychological mental health challenges. The political polarization includes attacks against science, climate change measures, racial equity, and effective COVID solutions. The unhealthy environment leads to less robust sources of resilience that reduce substance abuse or make attending treatment more likely (e.g., weaker family relationships, fewer friends, decreased participation in social/community activities, less trust/expectation from children in the adults around them, etc.) – Public Health Representative



## Awareness/Education

Substance abuse to include alcohol and drugs is a great concern in our communities. There needs to be more community involvement to bring awareness to this public health concern and most importantly the impact on the individual and the community as a whole presently and in the future. There need to be prevention programs for youth and substance abuse programs that are easily accessed for those that suffer from this mental health illness. Providers are needed that specialize in substance abuse such as MD's, NP's and mental health counselors. The programs and services should be available in Spanish and English as well as access to other languages. – Other Health Provider

Early education. – Physician

## Multiple Factors

Lack of focus addressing the root causes. Not enough facilities. Not enough knowledge of the drugs that can stop the reactions to overdoses. – Community Leader

## Lack of Providers

There are not enough treatment providers in our county. – Community Leader

## Disease Management

Contemplation of the individual in engaging services or not. Availability of treatment at appropriate levels of care to not only address substance use challenges, but influences contributing to choose to use such as being homeless, suffering abuse or mistreatment, numbing self to effects of trauma. – Community Leader

## Prevalence/Incidence

I would like to congratulate drugs for winning the war on drugs. We continue to watch people die of overdose despite our best efforts. Whatever we are currently doing is not enough. The deaths of local teenagers from fentanyl is particularly painful for families and the community. Additionally, one only has to drive down highway 1 to see the ravaging effect of methamphetamines on our community - the homeless encampments with people hoarding junk who are using methamphetamine. Ask any local police officer or ER staff member and they see people high on methamphetamine acting aggressively under the influence on a daily basis. – Physician

## Persons At Increased Risk for Adverse Health Outcomes

In our community we have river people who are allowed to live in our river and continue with their addictions. They do not want help but they need it but the laws are such that intervening with their lifestyles is prohibited. In the meantime, they cause fires in the river, use the river as a bathroom and continue their addictions. It is appalling that we have let this happen. Mental health and addictions need to be addressed by the State and County laws and programs. – Community Leader

## Youth

Our youth are being tempted in the world of drugs. Fentanyl, now cocaine and vaping are damaging our youth physically, emotionally, and physiologically. – Social Services Provider

## Violence

Gang violence and mental health issues are the cause of the high substance abuse. – Other Health Provider

## Prevention/Screenings

Preventive programs for teens we need in South County. – Community Leader



## Most Problematic Substances

Key informants (who rated this as a “major problem”) clearly identified **alcohol** as causing the most problems in the community, followed by **heroin/other opioids** and **methamphetamine/other amphetamines**.

SUBSTANCES VIEWED AS MOST PROBLEMATIC IN THE COMMUNITY (Among Key Informants Rating Substance Use as a “Major Problem”)	
ALCOHOL	53.6%
HEROIN OR OTHER OPIOIDS	25.0%
METHAMPHETAMINE OR OTHER AMPHETAMINES	10.7%
PRESCRIPTION MEDICATIONS	3.6%
COCAINE OR CRACK	3.6%
MARIJUANA	1.8%
CLUB DRUGS (e.g., MDMA, GHB, Ecstasy, Molly)	1.8%



# TOBACCO USE

## ABOUT TOBACCO USE

More than 16 million adults in the United States have a disease caused by smoking cigarettes, and smoking-related illnesses lead to half a million deaths each year.

Most deaths and diseases from tobacco use in the United States are caused by cigarettes. Smoking harms nearly every organ in the body and increases the risk of heart disease, stroke, lung diseases, and many types of cancer. Although smoking is widespread, it's more common in certain groups, including men, American Indians/Alaska Natives, people with behavioral health conditions, LGBT people, and people with lower incomes and education levels.

Several evidence-based strategies can help prevent and reduce tobacco use and exposure to secondhand smoke. These include smoke-free policies, price increases, and health education campaigns that target large audiences. Methods like counseling and medication can also help people stop using tobacco.

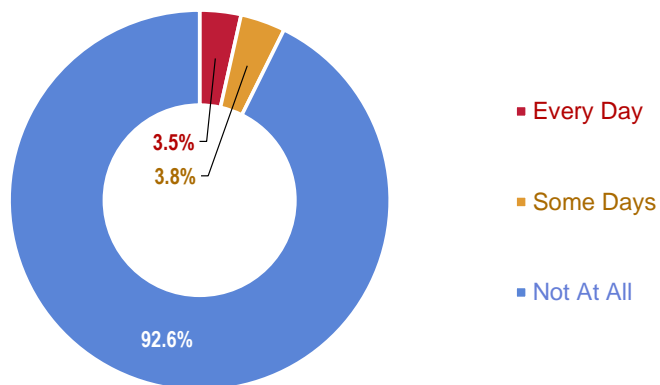
– Healthy People 2030 (<https://health.gov/healthypeople>)

## Cigarette Smoking

### Cigarette Smoking Prevalence

**A total of 7.3% of Monterey County adults currently smoke cigarettes, either regularly (every day) or occasionally (on some days).**

Cigarette Smoking Prevalence  
(Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 40]  
Notes: • Asked of all respondents.



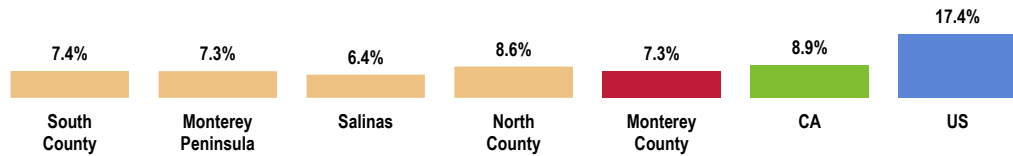
Note the following findings related to cigarette smoking prevalence in Monterey County.

**BENCHMARK** ► Lower than both the state and national findings. Fails to satisfy the Healthy People 2030 objective.

**DISPARITY** ► Cigarette smoking decreases with age and income, and is higher among White persons, Asian persons, and LGBTQ+ individuals.

### Cigarette Smoking Prevalence

Healthy People 2030 = 5.0% or Lower

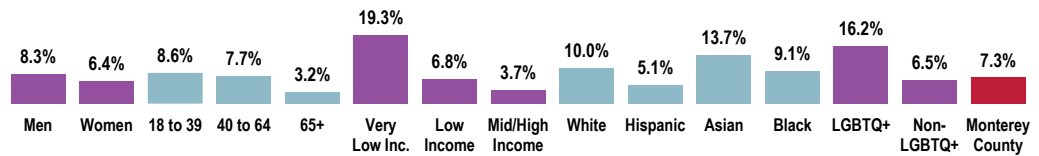


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 40]  
 • Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.  
 • 2020 PRC National Health Survey, PRC, Inc.  
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes: • Asked of all respondents.  
 • Includes those who smoke cigarettes every day or on some days.

### Cigarette Smoking Prevalence (Monterey County, 2022)

Healthy People 2030 = 5.0% or Lower



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 40]  
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes: • Asked of all respondents.  
 • Includes those who smoke cigarettes every day or on some days.



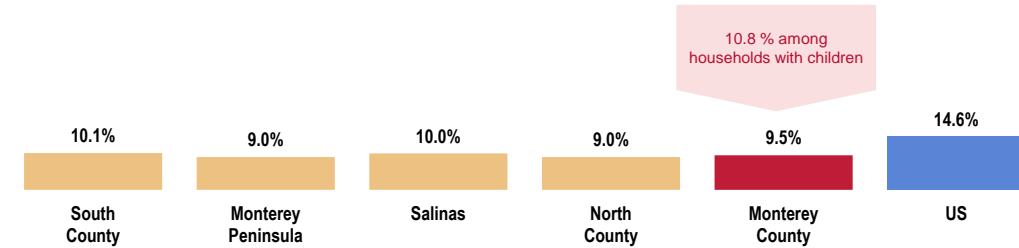


## Environmental Tobacco Smoke

Among all surveyed households in Monterey County, 9.5% report that someone has smoked cigarettes in their home on an average of four or more times per week over the past month.

**BENCHMARK** ▶ Lower than the US percentage.

### Member of Household Smokes at Home



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Items 43, 134]  
• 2020 PRC National Health Survey, PRC, Inc.

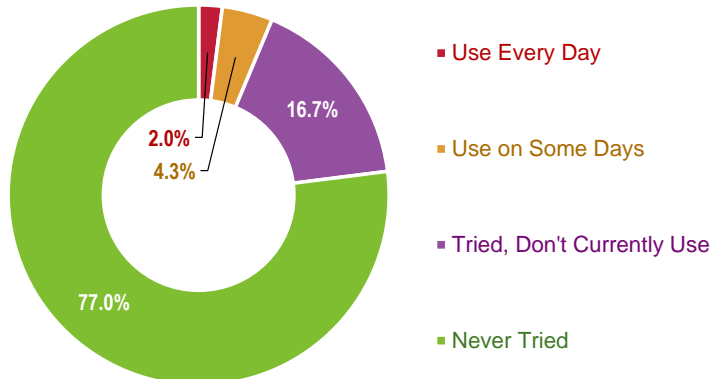
Notes: • Asked of all respondents.  
• "Smokes at home" refers to someone smoking cigarettes, cigars, or a pipe in the home an average of four or more times per week in the past month.

## Other Tobacco Use

### Use of Vaping Products

Most Monterey County adults have never tried electronic cigarettes (e-cigarettes) or other electronic vaping products.

#### Use of Vaping Products (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 135]

Notes: • Asked of all respondents.

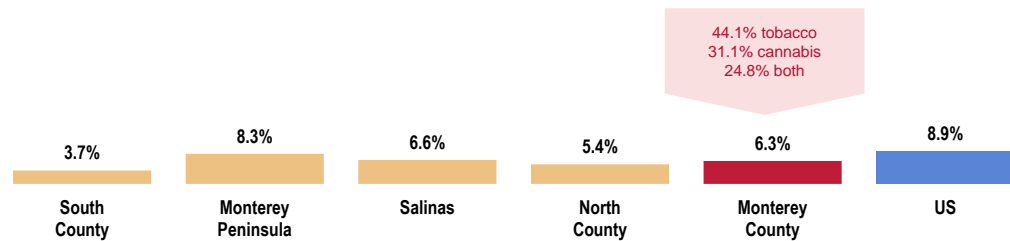


However, 6.3% currently use vaping products either regularly (every day) or occasionally (on some days).

**BENCHMARK** ▶ Lower than the national finding.

**DISPARITY** ▶ Highest in the Monterey Peninsula area. Countywide, the use of vaping products is higher among younger respondents, lower-income residents, and LGBTQ+ individuals. In contrast, vaping product use is lower among Asian residents.

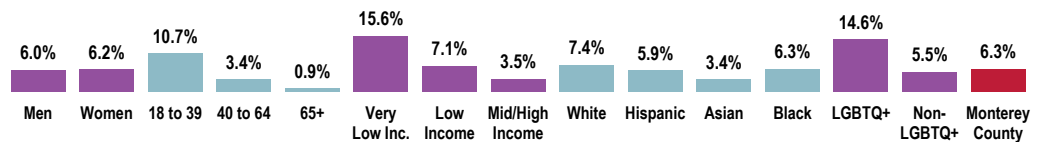
### Currently Use Vaping Products (Every Day or on Some Days)



Sources: ● 2022 PRC Community Health Survey, PRC, Inc. [Items 135, 310]  
 ● 2020 PRC National Health Survey, PRC, Inc.  
 ● Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.

Notes: ● Asked of all respondents.  
 ● Includes regular and occasional users (those who smoke e-cigarettes every day or on some days).

### Currently Use Vaping Products (Monterey County, 2022)



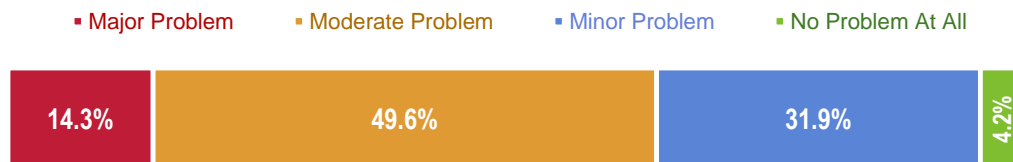
Sources: ● 2022 PRC Community Health Survey, PRC, Inc. [Item 135]  
 Notes: ● Asked of all respondents.  
 ● Includes regular and occasional users (those who smoke e-cigarettes every day or on some days).



# Key Informant Input: Tobacco Use

The greatest share of key informants taking part in an online survey characterized *Tobacco Use* as a “moderate problem” in the community.

## Perceptions of Tobacco Use as a Problem in the Community (Key Informants, 2022)



Sources: • PRC Online Key Informant Survey, PRC, Inc.  
Notes: • Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

### E-Cigarettes

Vaping has completely penetrated the youth market. – Physician

Youth vaping has increased significantly. – Community Leader

Think it is more vaping. Vaping does not allow others to know what you are actually vaping, whether it is MJ or nicotine. Thus, people are getting high right in front of you and you don't even realize. See it a lot in driving. – Other Health Provider

### Prevalence/Incidence

There are tons of cigarette butts on the ground throughout the county (some places more than others). With the population we serve, it is very common. – Social Services Provider

Stopping tobacco use is one of the single most important things that can be done to promote health. – Physician

Large amount of members continue to smoke. – Community Leader

### Impact on Quality of Life

Lung cancer, COPD. – Community Leader

Because tobacco is addictive and can destroy your lungs, teeth, throat, etc. Tobacco is now consumed in vaping paraphernalia, which allow for a mix with other substances like cannabis, fentanyl, and hallucinogens. – Other Health Provider

### Co-Occurrences

Persons with mental illness and substance use smoke at a rate about 5 times the general population. Our efforts at smoking cessation have not been successful. About 50% of adults with mental illness smoke and about 80% of people with both substance use disorders and mental illness smoke. – Social Services Provider

### Easy Access

Access. – Social Services Provider

### Persons At Increased Risk for Adverse Health Outcomes

Communities continue to use tobacco regularly, especially with the people of color. – Other Health Provider



# SEXUAL HEALTH

## ABOUT HIV & SEXUALLY TRANSMITTED INFECTIONS

Although many sexually transmitted infections (STIs) are preventable, there are more than 20 million estimated new cases in the United States each year — and rates are increasing. In addition, more than 1.2 million people in the United States are living with HIV (human immunodeficiency virus).

Adolescents, young adults, and men who have sex with men are at higher risk of getting STIs. And people who have an STI may be at higher risk of getting HIV. Promoting behaviors like condom use can help prevent STIs.

Strategies to increase screening and testing for STIs can assess people's risk of getting an STI and help people with STIs get treatment, improving their health and making it less likely that STIs will spread to others. Getting treated for an STI other than HIV can help prevent complications from the STI but doesn't prevent HIV from spreading.

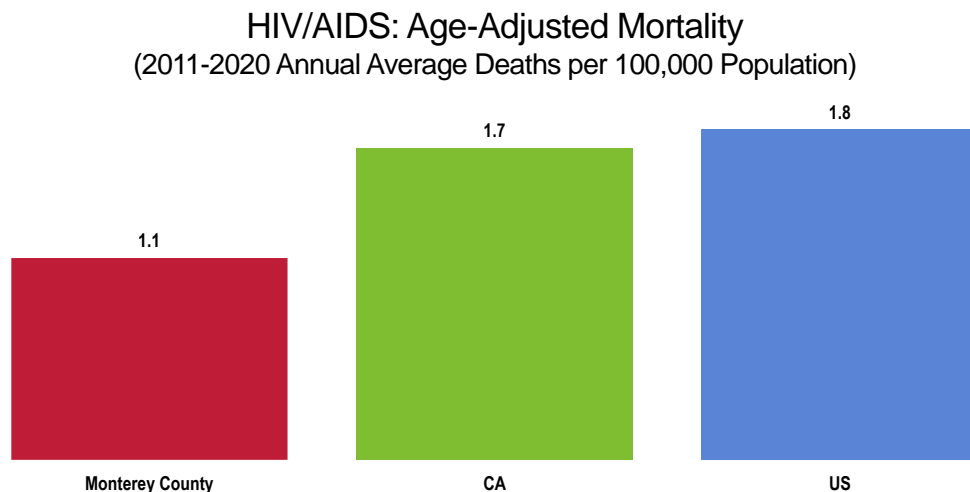
– Healthy People 2030 (<https://health.gov/healthypeople>)

## HIV

### Age-Adjusted HIV/AIDS Deaths

**Between 2011 and 2020, there was an annual average age-adjusted HIV/AIDS mortality rate of 1.1 deaths per 100,000 population in Monterey County.**

**BENCHMARK** ▶ Lower than both the state and national rates.



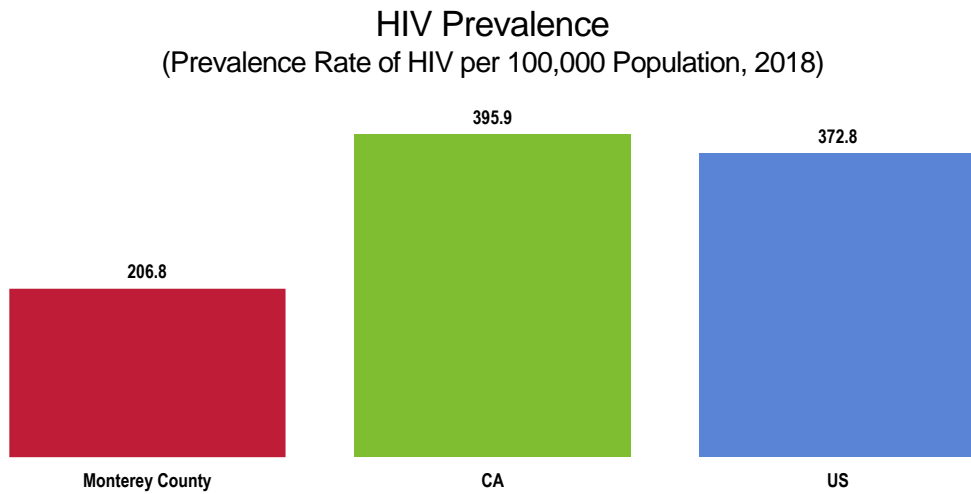
Sources: • CDC WONDER Online Query System. Centers for Disease Control and Prevention, Epidemiology Program Office, Division of Public Health Surveillance and Informatics. Data extracted June 2022.



## HIV Prevalence

In 2018, there was a prevalence of 206.8 HIV cases per 100,000 population in Monterey County.

**BENCHMARK** ▶ Lower than both the state and national rates.



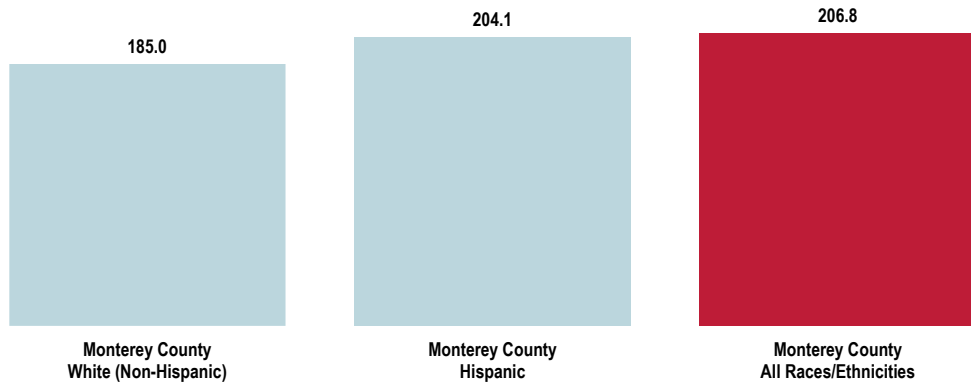
Sources: 

- Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

Notes: 

- This indicator is relevant because HIV is a life-threatening communicable disease that disproportionately affects minority populations and may also indicate the prevalence of unsafe sex practices.

### HIV Prevalence by Race/Ethnicity (Rate per 100,000 Population, 2018)



Sources: 

- Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

Notes: 

- This indicator is relevant because HIV is a life-threatening communicable disease that disproportionately affects minority populations and may also indicate the prevalence of unsafe sex practices.



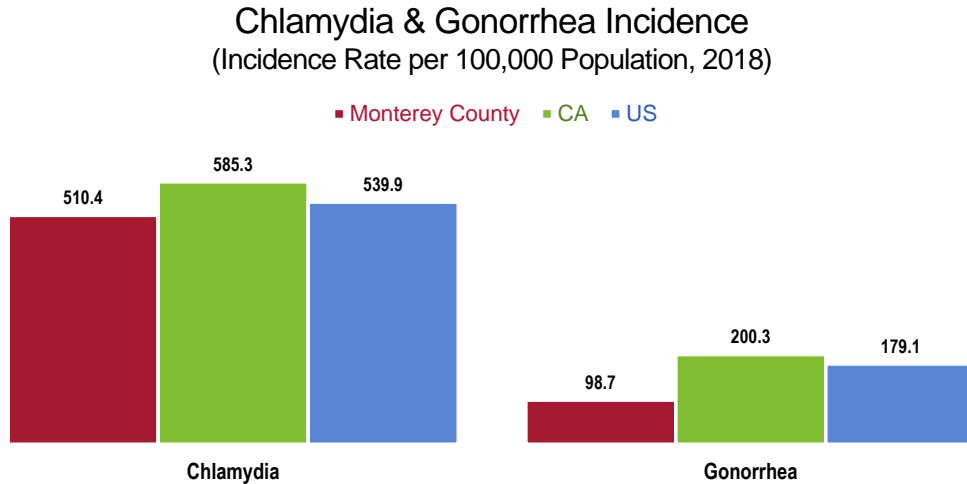
# Sexually Transmitted Infections (STIs)

## Chlamydia & Gonorrhea

In 2018, the chlamydia incidence rate in Monterey County was 510.4 cases per 100,000 population.

The Monterey County gonorrhea incidence rate in 2018 was 98.7 cases per 100,000 population.

**BENCHMARK** ► Gonorrhea incidence is much lower than both the California and US rate.



Sources: 

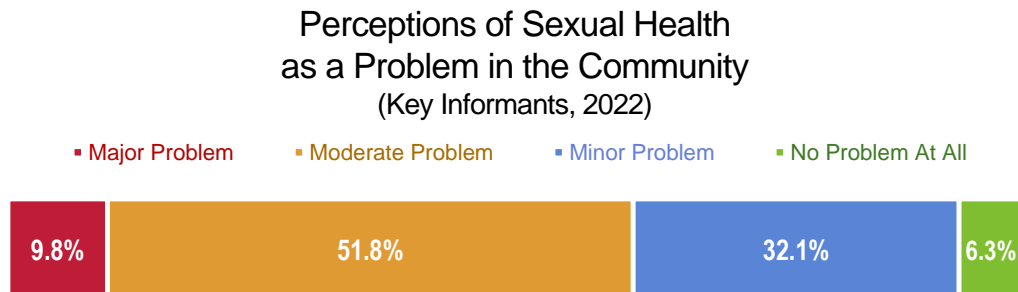
- Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap (sparkmap.org).

Notes: 

- This indicator is relevant because it is a measure of poor health status and indicates the prevalence of unsafe sex practices.

## Key Informant Input: Sexual Health

A majority of key informants taking part in an online survey characterized *Sexual Health* as a “moderate problem” in the community.



Sources: 

- PRC Online Key Informant Survey, PRC, Inc.

Notes: 

- Asked of all respondents.



Among those rating this issue as a “major problem,” reasons related to the following:

### Prevalence/Incidence

The number of STIs in Monterey County was going up before the pandemic and it continues to rise. Lack of services and access to care. – Public Health Representative

Levels of syphilis and other STIs are increasing. – Community Leader

### Sexual Violence

Sexual assault, teenage and unintended pregnancies, and sexually transmitted infections are still very commonplace in the community. There is a lack of school-based health services and in general, inadequate access to healthcare services. – Public Health Representative

### Teen/Young Adult Usage

The youthful Salinas population and the county STI data. – Physician





# ACCESS TO HEALTH CARE



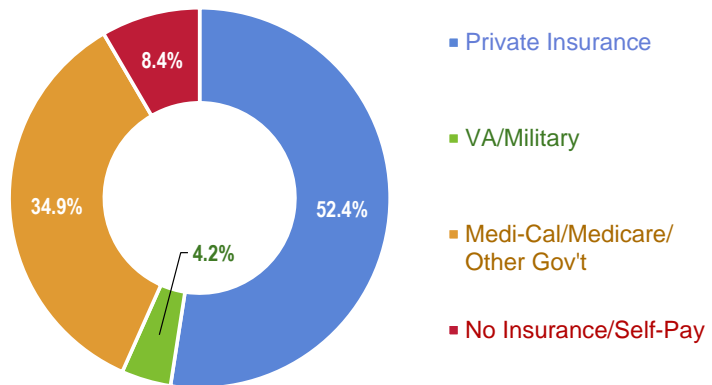
# HEALTH INSURANCE COVERAGE

## Type of Health Care Coverage

Survey respondents were asked a series of questions to determine their health care insurance coverage, if any, from either private or government-sponsored sources.

A total of 52.4% of Monterey County adults age 18 to 64 report having health care coverage through private insurance. Another 39.1% report coverage through a government-sponsored program (e.g., Medi-Cal, Medicare, military benefits).

Health Care Insurance Coverage  
(Adults Age 18-64; Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 137]  
Notes: • Reflects respondents age 18 to 64.

## Lack of Health Insurance Coverage

Here, lack of health insurance coverage reflects respondents age 18 to 64 (thus, excluding the Medicare population) who have no type of insurance coverage for health care services – neither private insurance nor government-sponsored plans (e.g., Medi-Cal).

Among adults age 18 to 64, 8.4% report having no insurance coverage for health care expenses.

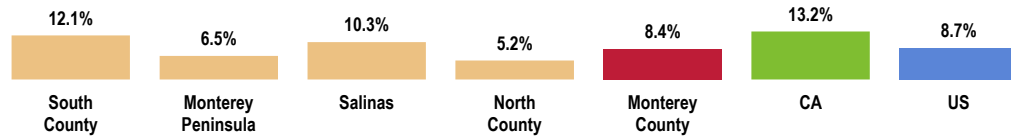
**BENCHMARK** ► Better than the California percentage.

**DISPARITY** ► The prevalence of uninsured residents is highest in South County; uninsured status is also higher among young adults (age 18 to 39), residents below 200% of the federal poverty level, Hispanic persons, and Asian persons.



## Lack of Health Care Insurance Coverage (Adults Age 18-64)

Healthy People 2030 = 7.9% or Lower

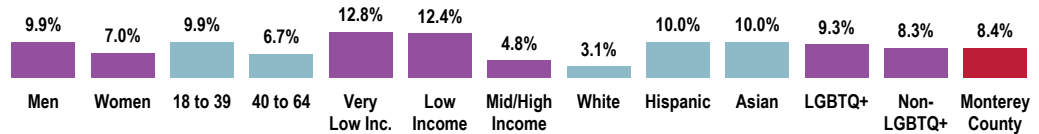


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 137]  
 • Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.  
 • 2020 PRC National Health Survey, PRC, Inc.  
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes: • Asked of all respondents under the age of 65.

## Lack of Health Care Insurance Coverage (Adults Age 18-64; Monterey County, 2022)

Healthy People 2030 = 7.9% or Lower



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 137]  
 • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes: • Asked of all respondents under the age of 65.



# DIFFICULTIES ACCESSING HEALTH CARE

## ABOUT HEALTH CARE ACCESS

Many people in the United States don't get the health care services they need. ...About 1 in 10 people in the United States don't have health insurance. People without insurance are less likely to have a primary care provider, and they may not be able to afford the health care services and medications they need. Strategies to increase insurance coverage rates are critical for making sure more people get important health care services, like preventive care and treatment for chronic illnesses.

Sometimes people don't get recommended health care services, like cancer screenings, because they don't have a primary care provider. Other times, it's because they live too far away from health care providers who offer them. Interventions to increase access to health care professionals and improve communication — in person or remotely — can help more people get the care they need.

– Healthy People 2030 (<https://health.gov/healthypeople>)

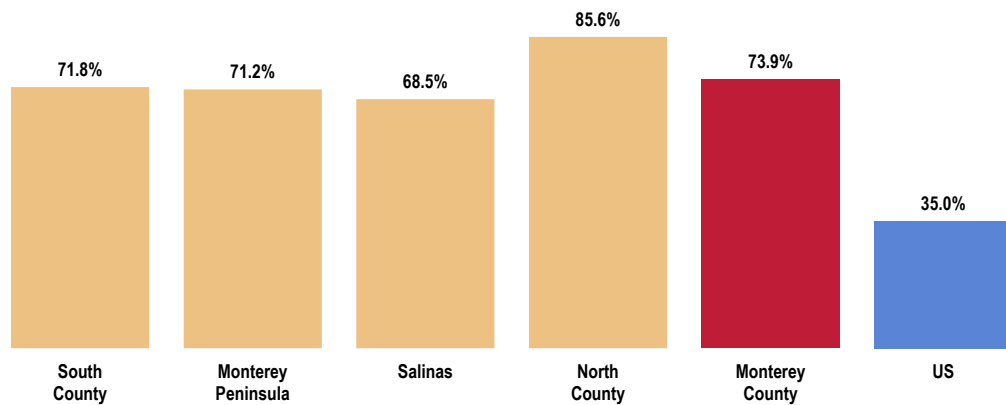
## Difficulties Accessing Services

**A total of 73.9% of Monterey County adults report some type of difficulty or delay in obtaining health care services in the past year.**

**BENCHMARK** ▶ Over twice as high as the national finding.

**DISPARITY** ▶ Significantly higher in the North County area. Countywide, women, those under 65, low-income residents, White persons, Hispanic persons, and LGBTQ+ respondents all report more difficulty in accessing health care services.

### Experienced Difficulties or Delays of Some Kind in Receiving Needed Health Care in the Past Year

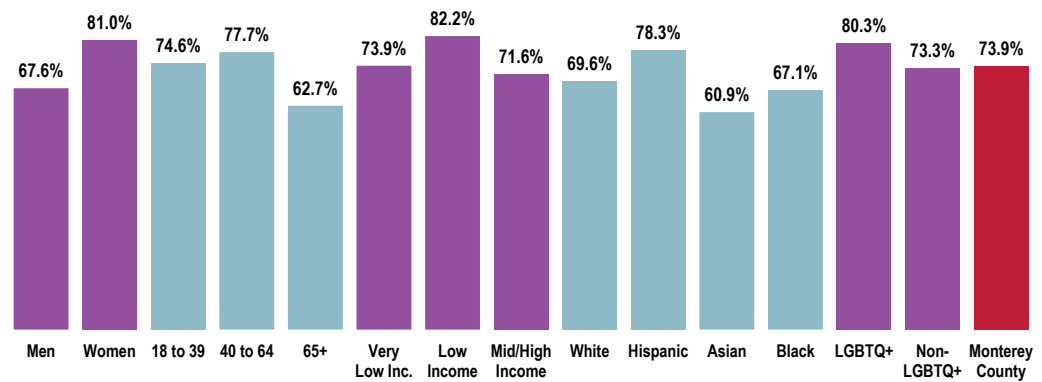


Sources: ● 2022 PRC Community Health Survey, PRC, Inc. [Item 140]  
● 2020 PRC National Health Survey, PRC, Inc.

Notes: ● Asked of all respondents.  
● Percentage represents the proportion of respondents experiencing one or more barriers to accessing health care in the past 12 months.



## Experienced Difficulties or Delays of Some Kind in Receiving Needed Health Care in the Past Year (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 140]  
 Notes: • Asked of all respondents.  
 • Percentage represents the proportion of respondents experiencing one or more barriers to accessing health care in the past 12 months.

## Barriers to Health Care Access

Of the tested barriers, appointment availability impacted the greatest share of Monterey County adults.

- BENCHMARK** ▶ All individual barriers to access are significantly worse in Monterey County than across the US.
- DISPARITY** ▶ In the South County area, **cost** (doctor visit) and **transportation** were more impactful than countywide.
  - ▶ In the Monterey Peninsula area, difficulty **finding a physician** was more impactful than countywide.
  - ▶ In the Salinas area, **language and culture** barriers were more impactful than countywide.
  - ▶ In the North County area, **cost** (doctor visit and prescriptions), **appointment availability**, and **inconvenient hours** were all more impactful than countywide.

Note also the percentage of adults who have skipped or reduced medication doses in the past year in order to stretch a prescription and save costs.

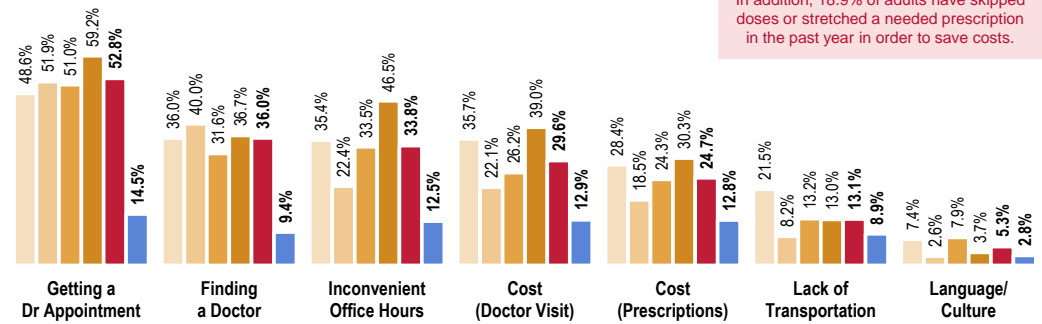
To better understand health care access barriers, survey participants were asked whether any of seven types of barriers to access prevented them from seeing a physician or obtaining a needed prescription in the past year.

Again, these percentages reflect the total population, regardless of whether medical care was needed or sought.



## Barriers to Access Have Prevented Medical Care in the Past Year

■ South County ■ Monterey Peninsula ■ Salinas ■ North County ■ Monterey County ■ US



In addition, 18.9% of adults have skipped doses or stretched a needed prescription in the past year in order to save costs.

Sources: ● 2022 PRC Community Health Survey, PRC, Inc. [Items 7-14]  
 ● 2020 PRC National Health Survey, PRC, Inc.  
 Notes: ● Asked of all respondents.

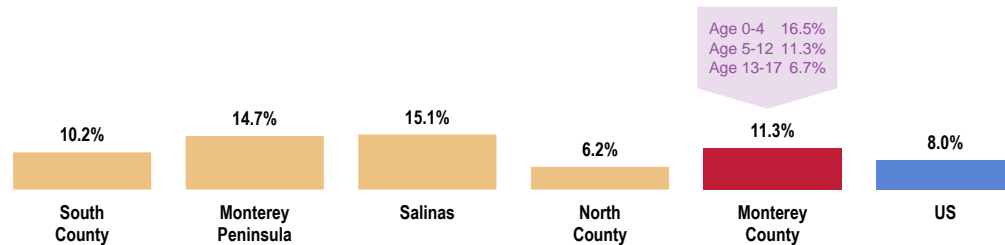
## Accessing Health Care for Children

Surveyed parents were also asked if, within the past year, they experienced any trouble receiving medical care for a randomly selected child in their household.

A total of 11.3% of parents say there was a time in the past year when they needed medical care for their child but were unable to get it.

DISPARITY ► Highest in the Salinas area.

### Had Trouble Obtaining Medical Care for Child in the Past Year (Parents of Children 0-17)



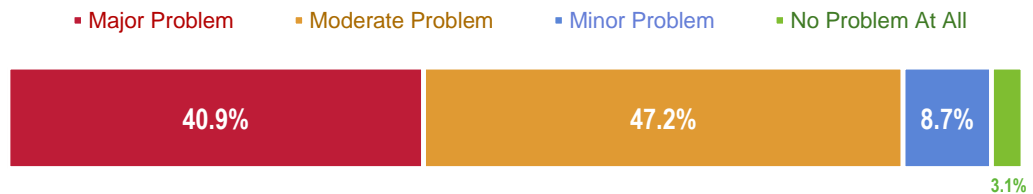
Sources: ● 2022 PRC Community Health Survey, PRC, Inc. [Item 104]  
 ● 2020 PRC National Health Survey, PRC, Inc.  
 Notes: ● Asked of all respondents with children 0 to 17 in the household.



# Key Informant Input: Access to Health Care Services

Key informants taking part in an online survey most often characterized *Access to Health Care Services* as a “moderate problem” in the community.

## Perceptions of Access to Healthcare Services as a Problem in the Community (Key Informants, 2022)



Sources: ● PRC Online Key Informant Survey, PRC, Inc.  
Notes: ● Asked of all respondents.

Among those rating this issue as a “major problem,” reasons related to the following:

### Access to Care/Services

Access points are not where people can get to them. Hours and days are inconvenient. There are not enough services. – Social Services Provider

Inequities in access plays a major role in this challenge. These inequities include location of services, transportation challenges, availability of services (open hours for facilities may not align with residents' availability). – Social Services Provider

A proportion of county residents do not have health insurance and find it difficult to afford services. Others move on and off Medi-Cal due to their income level and/or work situation, which creates uncertainty for them for ongoing primary care services. And there are growing issues with enough providers in the county due to retirements and the high cost of living discouraging new providers. Lastly, there are challenges with distance to services for those in south county, especially for specialty services. – Social Services Provider

Lacking health insurance. No primary care physician or facility identified. Inequities to Access Healthcare Services for homeless, low-income, culturally and socially disenfranchised populations. Healthcare services too expensive. – Community Leader

Lack of health insurance, money, and language. – Social Services Provider

Transportation, translation/interpretation, feeling comfortable/feeling like will understand what to do, understanding information/diagnoses, documentation status, cost, fear/lack of understanding about costs, lack of insurance, ability to take time off of work without fear of reprisal/losing job, unable to afford any time off (sacrifice food/rent for family in order to go to doctor/hospital). – Public Health Representative

Many who have no health insurance and a large population that may be worried about their safety (possible deportation) if they try to access healthcare. – Community Leader

Many of the families in our county do not have health insurance and those that do, do not have great insurance, so they still have to pay so much from their own pocket. There are also challenges with transportation to health facilities. – Community Leader

Cost of healthcare, lack of insurance, lack of adequate primary care providers, behavioral medicine, and mental health professionals, social workers, and case managers. – Public Health Representative

Cost and transportation. – Social Services Provider

Cost of care and medications, locations of clinics, appointment availability (having to wait a long time to get in), not knowing where to go other than the Emergency Room, especially in the more rural areas, lack of access to a medical home. – Public Health Representative

Transportation, noninsured, access to good health care in the community where they live. Continued expansion of housing but health care growing at a slower pace. Funding to upgrade, capital improvements, to expand. – Social Services Provider

Fear of statutory service providers, language, transport, misinformation, perceived financial cost, childcare/loss of earnings. – Social Services Provider

Access challenges related to options awareness, affordability, hours, and travel. Having more outreach services spearheaded by community health workers would help. – Physician



Cost, transportation. – Social Services Provider

Lack of primary care access. Severe lack of behavioral health resources, particularly providers who can prescribe psych meds. Difficulty getting patient referrals to underserved specialties (e.g., psych, cancer care, chronic pain, substance abuse, neurologists, urologists, etc.). Patients unnecessarily accessing expensive healthcare services; for example, patient with URI seeks care in the ED because she can't get an appointment with her PCP for two weeks. Shortage of critical, non-licensed healthcare workers, like medical assistants and Community Health Advocates. – Community Leader

Access to care, especially primary care, is a challenge that runs across all socioeconomic groups. – Public Health Representative

Access to preventive medicine and primary care services outside of "normal" business hours. Limited number of pediatricians and obstetricians serving North and South County areas. – Public Health Representative

Limited locations of public health clinics, although Clinica de Salud, Soledad Health Center, and other community-based clinics help fill some of the voids. We also have a lack of primary care physicians in the County. It's very difficult to gain access into a practice. Many are completely full. – Community Leader

Mismatch of where primary care is accessible and where those in greatest need of primary care live. – Physician

We are a rural community far from most services. – Community Leader

We do not have adequate SUD and mental health services in our county. – Physician

Navigating the multiple systems. Wait time for MCBH is unacceptable, our students have been on wait lists for four plus months. Access in indigenous languages. – Community Leader

## Lack of Providers

Lack of primary care doctors and the cost of accessing high quality primary care. As a consequence, people that have an injury or do not feel well cannot find care. – Community Leader

There are not enough primary care providers in the county. Wait times for specialists are very long as well. It is difficult to attract new providers to the county due to cost of living. There are many residents in our county that are reluctant to seek medical care due to immigration status or fear of cost associated with care. We do not have enough medical providers/practices with the necessary cultural competencies to care for our special populations. – Physician

Lack of providers, MDs especially. – Physician

There are not enough PCPs in our community. Many retirements have left patients without primary care and no one seems to be taking new patients, especially on the Monterey Peninsula. – Other Health Provider

There is a limited number of providers (MDs, NPs, PAs) to include those that are bilingual, culturally reflective of community. COVID only further aggravated situation. Language, technological, and transportation barriers are an issue. – Other Health Provider

Not enough medical providers in our area. The ones we have are oversubscribed and appointments are hard to get. My gynecologist is in Sac for instance. No one seemed to care about my medical history in this area. – Community Leader

Limited providers that provide affordable healthcare access. – Other Health Provider

Not enough healthcare professionals available to provide services to the community. This includes MDs, mid-levels, nurses, MA's. The health care system is very impacted and health providers are overworked. there are also not enough culturally tuned providers with the needs of the highest risk communities. – Other Health Provider

## Insurance Issues

Lack of affordable insurance. Covered California is not affordable for many. Insufficient number of offices willing to accept Medicare and Medi-Cal. Insufficient primary care offices. Long waits to obtain specialty care. – Other Health Provider

Lack of health insurance and coverage for people with insurance. Dental and vision only available for a few lucky ones. – Public Health Representative

The unusually high cost of health care in our hospitals results in higher insurance premiums and limited choices, as some insurance companies choose to avoid Monterey County. – Physician

It's part of a much larger issue; for some reason carriers such as Blue Shield charge higher premiums in Monterey County than they do for neighboring counties. As a result, many people go without health insurance because they fall in the middle (can't qualify for Medi-Cal and can't afford a Covered California subsidized plan). – Community Leader

Lower income people have a harder time finding adequate care due to limited number of providers that accept Medi-Cal. – Social Services Provider

Insufficient providers who accept Medi-Cal. Lack of mental health providers who accept commercial insurance for mental health treatment. Lack of psychiatrists in area. – Social Services Provider

Insurance status and people who are "uninsurable" but are valuable contributors to Monterey County. – Social Services Provider



Doctors/hospital systems not accepting insurances. Doctors that don't stick around. – Social Services Provider

## Persons At Increased Risk for Adverse Health Outcomes

High undocumented immigrant population. – Public Health Representative

Indigenous communities face cultural and linguistic challenges when accessing health care services. Also, many of them don't know the services available to them. – Community Leader

The community that I serve is homeless. Mental illness and addiction are major problems. The best way to access services seems to be through the jail system. Folks often have to access services through the Emergency Room. This is costly and wasteful. – Social Services Provider

With a high population of migrant farmworkers in Monterey County, access to health care services has been a challenge because of people's immigration status. People on occasions are afraid to access services because of the fear that health care services can be considered public charge (grounds of inadmissibility are reasons that a person could be denied a green card, visa, or admission into the United States). The indigenous community across Monterey County hesitates to access health services because of language barriers. Transportation is a challenge for people in rural areas and seniors who struggle with transportation. – Social Services Provider

Working parents have long hours, often six days per week, and are challenged to schedule health care visits for wellness or illness for themselves and for their children. – Community Leader

The biggest challenge with the patient population we serve is majority are undocumented and are not eligible for full scope Medi-Cal and Covered California. We also serve patients that are not eligible for sponsored care through their employer. Recently referrals from ER have been due to patients losing health coverage due to cost and have to decide whether they pay for health coverage or paying their rent, food and bills for their families. – Other Health Provider

## Due to COVID-19

The impact of COVID-19 had a significant impact on accessing health care services anywhere from hospitals to individual physicians and needed procedures were delayed. – Social Services Provider

At this time, due to COVID appointments are anywhere from four to eight weeks out for preventative care. In addition, health care is expensive, and costs associated with health care continue to rise. – Social Services Provider

## Income/Poverty

Lower social-economic residents, in particular field workers, do not have health insurance and access to appropriate healthcare services. Many are unaware of County programs available to them. Due to language barriers many find it difficult to navigate healthcare system. Finally, because of little to no health outreach many residents done regularly seek preventative care. – Social Services Provider

Distribution of access, equity in access. Those with challenged resources or circumstances suffer the greatest. A divide enlarges given current delivery care methods/operations. – Physician

## Systemic Racism

Systemic racism is the root cause. Visible causes are lack of access to culturally appropriate options for families in accessible locations. Lack of welcome environments including the offering of culturally healing practices; multilingual supports. There should be more training in Facilitating Attuned Interactions (FAN) so that providers really listen to and be with patients. – Community Leader

The racist design to systems that prevent overall access to all residents in MoCo. – Community Leader

## Limited Medical Specialists

Availability of some medical specialists, e.g. nephrology, urology, pulmonology. – Physician

Hand specialists. – Other Health Provider

## Affordable Care/Services

There are not enough affordable options for families or individuals that require ongoing medical care and support in their homes which would enable them to age in place. They end up in the emergency rooms and hospitals more often as a result of this lack of support. There are inadequate affordable facilities for these individuals to be placed at the next level of care which is assisted living/residential care. Many older adults are placed at the next highest level which is skilled nursing because there is some short-term Medicare coverage and long-term Medi-Cal coverage for that level if they qualify. Many of these residents' needs could be met at the residential care level if that were a more affordable option. There is currently no reimbursement system in place to cover residential care. Locally the range of cost is \$3,500/per month to \$10,000 plus. – Social Services Provider





## Mental Healthcare

In southern Monterey County there is a lack of access to specialists and mental health providers. Both are major issues, but the one that worries me the most is access to mental health providers. That issue has been there for a while, and became even more critical during COVID. – Community Leader

## Preventative Care

Offering preventive, free care clinics to help identify treatable conditions early. – Community Leader

## Transportation

Most of the guests (clients) we serve either walk or take public transportation, so it is not always easy to access the facilities. Additionally, they don't always have the funds available. – Social Services Provider

## Coordination of Care

Communications among health organizations is very often insufficient. I have doctors in Salinas who do not get information (MRI, x-rays, etc.) in a timely fashion from Mee Memorial Health System. – Community Leader

## Health Equity

Health equity as a broader conversation and topic. We should address this sooner. – Physician

## Caregiver Stress

Home care or high quality, facility-based care for terminally ill patients (less than a year to live) w/o substantial financial resources. Relative caregivers experience enormous stress, risk of health issues, and serious financial burden including having to leave jobs to care for a dying relative. – Community Leader

## Racial Disparity

Racial disparity. Racism. It impacts the health of all impacted, the poor, racial/ethnic minorities, women and other groups. – Other Health Provider



# PRIMARY CARE SERVICES

## ABOUT PREVENTIVE CARE

Getting preventive care reduces the risk for diseases, disabilities, and death — yet millions of people in the United States don't get recommended preventive health care services.

Children need regular well-child and dental visits to track their development and find health problems early, when they're usually easier to treat. Services like screenings, dental check-ups, and vaccinations are key to keeping people of all ages healthy. But for a variety of reasons, many people don't get the preventive care they need. Barriers include cost, not having a primary care provider, living too far from providers, and lack of awareness about recommended preventive services.

Teaching people about the importance of preventive care is key to making sure more people get recommended services. Law and policy changes can also help more people access these critical services.

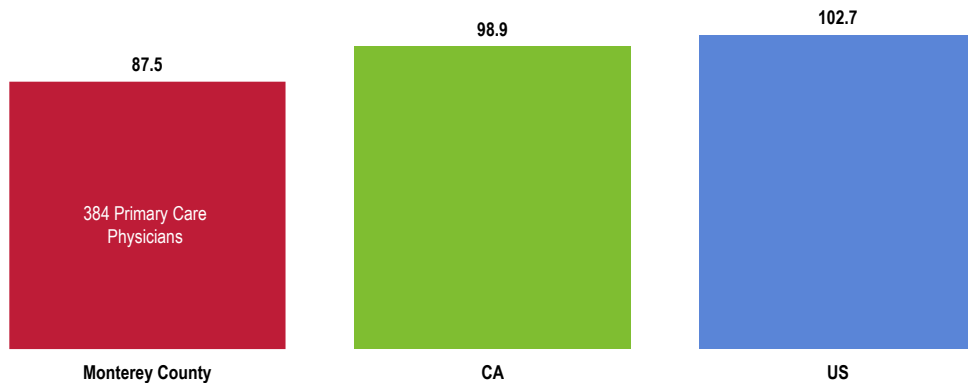
– Healthy People 2030 (<https://health.gov/healthypeople>)

## Access to Primary Care

In 2021, there were 384 primary care physicians in Monterey County, translating to a rate of 87.5 primary care physicians per 100,000 population.

**BENCHMARK** ▶ Significantly lower than the national ratio.

Access to Primary Care  
(Number of Primary Care Physicians per 100,000 Population, 2021)



Sources: 

- US Department of Health & Human Services, Health Resources and Services Administration, Area Health Resource File.
- Center for Applied Research and Engagement Systems (CARES), University of Missouri Extension. Retrieved June 2022 via SparkMap ([sparkmap.org](http://sparkmap.org)).

Notes: 

- Doctors classified as "primary care physicians" by the AMA include: General Family Medicine MDs and DOs, General Practice MDs and DOs, General Internal Medicine MDs, and General Pediatrics MDs. Physicians age 75 and over and physicians practicing sub-specialties within the listed specialties are excluded. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.



## Specific Source of Ongoing Care

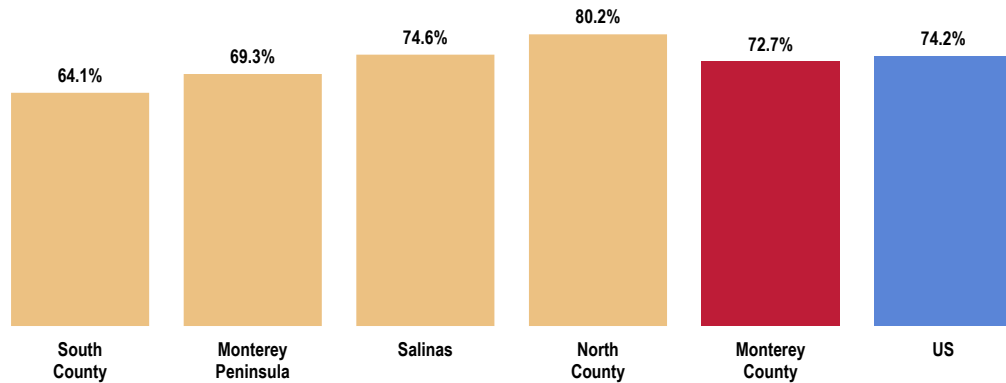
A total of **72.7%** of Monterey County adults were determined to have a specific source of ongoing medical care.

**BENCHMARK** ▶ Fails to satisfy the Healthy People 2030 objective.

**DISPARITY** ▶ Unfavorably low in the South County and Monterey Peninsula areas.

### Have a Specific Source of Ongoing Medical Care

Healthy People 2030 = 84.0% or Higher



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 139]  
• 2020 PRC National Health Survey, PRC, Inc.

Notes: • US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>  
• Asked of all respondents.

Having a specific source of ongoing care includes having a doctor's office, clinic, urgent care center, walk-in clinic, health center facility, hospital outpatient clinic, HMO or prepaid group, military/VA clinic, or some other kind of place to go if one is sick or needs advice about his or her health. This resource is crucial to the concept of "patient-centered medical homes" (PCMH).

A hospital emergency room is not considered a specific source of ongoing care in this instance.

## Utilization of Primary Care Services

### Adults

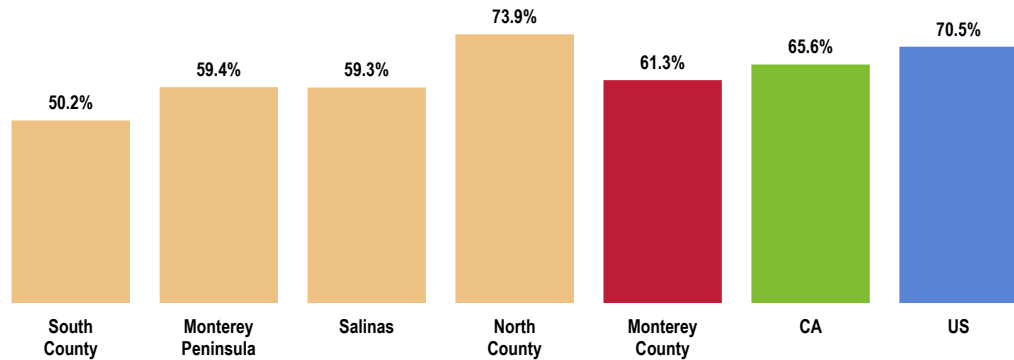
Fewer than two in three adults (**61.3%**) visited a physician for a routine checkup in the past year.

**BENCHMARK** ▶ Lower than both the California and US percentages.

**DISPARITY** ▶ Particularly low in the South County area. Primary care utilization increases sharply with age and income; it is also particularly low among Black residents.



## Have Visited a Physician for a Checkup in the Past Year



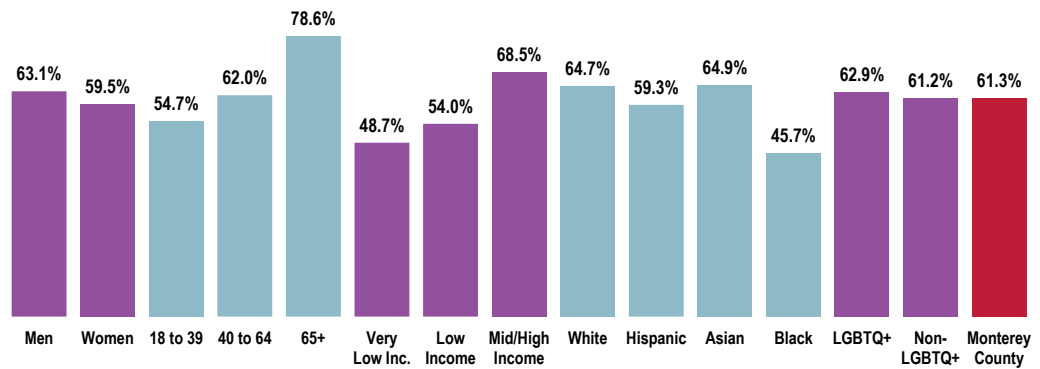
Sources: 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 18]
- Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.
- 2020 PRC National Health Survey, PRC, Inc.

Notes: 

- Asked of all respondents.

## Have Visited a Physician for a Checkup in the Past Year (Monterey County, 2022)



Sources: 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 18]

Notes: 

- Asked of all respondents.



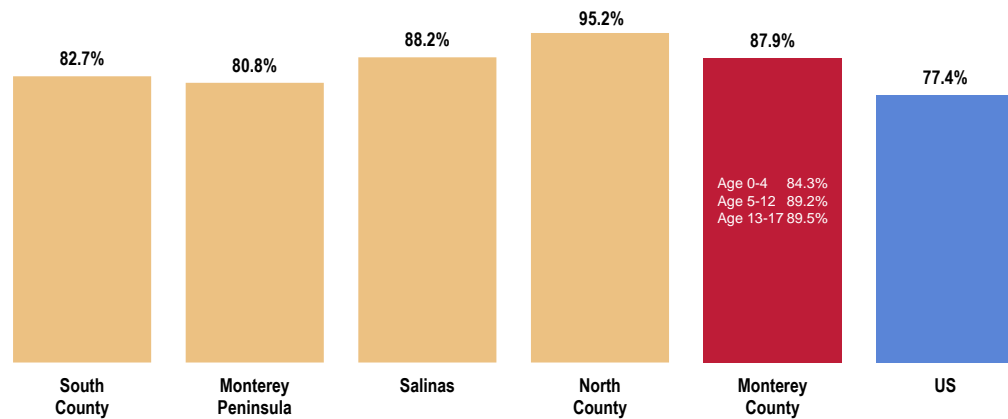
## Children

Among surveyed parents, 87.9% report that their child has had a routine checkup in the past year.

**BENCHMARK** ▶ Better than the national finding.

**DISPARITY** ▶ Lower in the South County and Monterey Peninsula areas.

### Child Has Visited a Physician for a Routine Checkup in the Past Year (Parents of Children 0-17)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 105]  
• 2020 PRC National Health Survey, PRC, Inc.

Notes: • Asked of all respondents with children 0 to 17 in the household.

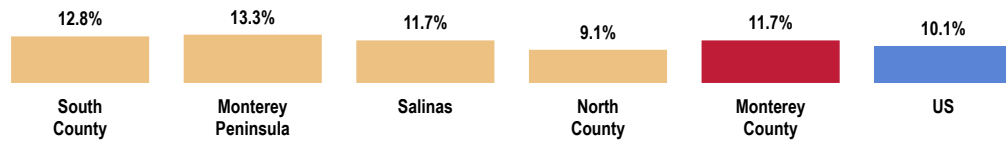


# EMERGENCY ROOM UTILIZATION

A total of 11.7% of Monterey County adults have gone to a hospital emergency room more than once in the past year about their own health.

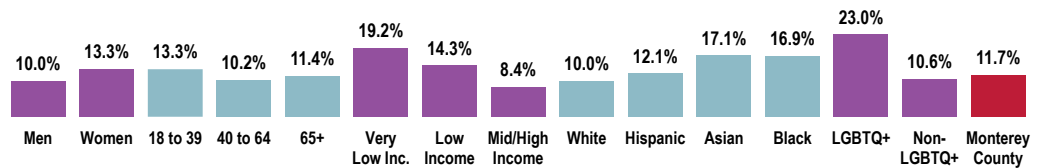
**DISPARITY** ▶ Emergency room utilization is higher among women, lower-income residents, Asian persons, Black or African American persons, and LGBTQ+ individuals.

## Have Used a Hospital Emergency Room More Than Once in the Past Year



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 22]  
 • 2020 PRC National Health Survey, PRC, Inc.  
 Notes: • Asked of all respondents.

## Have Used a Hospital Emergency Room More Than Once in the Past Year (Monterey County, 2022)



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 22]  
 Notes: • Asked of all respondents.



# ORAL HEALTH

## ABOUT ORAL HEALTH

Tooth decay is the most common chronic disease in children and adults in the United States. ...Regular preventive dental care can catch problems early, when they're usually easier to treat. But many people don't get the care they need, often because they can't afford it. Untreated oral health problems can cause pain and disability and are linked to other diseases.

Strategies to help people access dental services can help prevent problems like tooth decay, gum disease, and tooth loss. Individual-level interventions like topical fluorides and community-level interventions like community water fluoridation can also help improve oral health. In addition, teaching people how to take care of their teeth and gums can help prevent oral health problems.

– Healthy People 2030 (<https://health.gov/healthypeople>)

## Dental Insurance

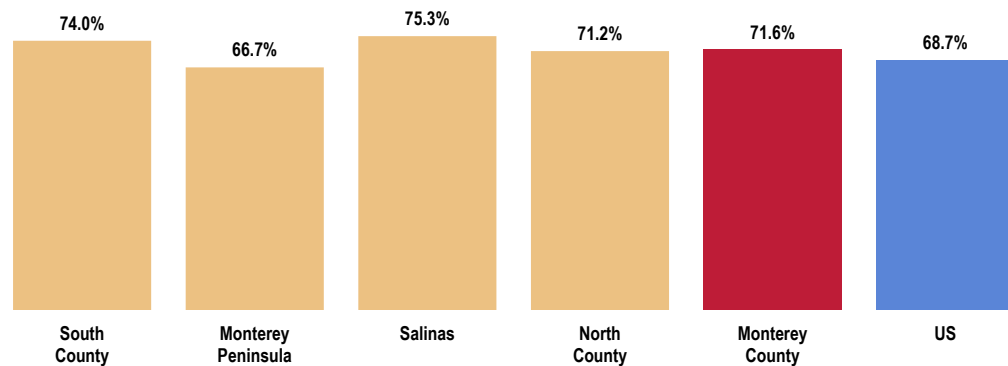
**Most county adults (71.6%) have dental insurance that covers all or part of their dental care costs.**

**BENCHMARK** ▶ Satisfies the Healthy People 2030 objective.

**DISPARITY** ▶ Lower in the Monterey Peninsula area.

### Have Insurance Coverage That Pays All or Part of Dental Care Costs

Healthy People 2030 = 59.8% or Higher [Adults <65]



Sources: 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 21]
- 2020 PRC National Health Survey, PRC, Inc.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

Notes: 

- Asked of all respondents.



# Dental Care

## Adults

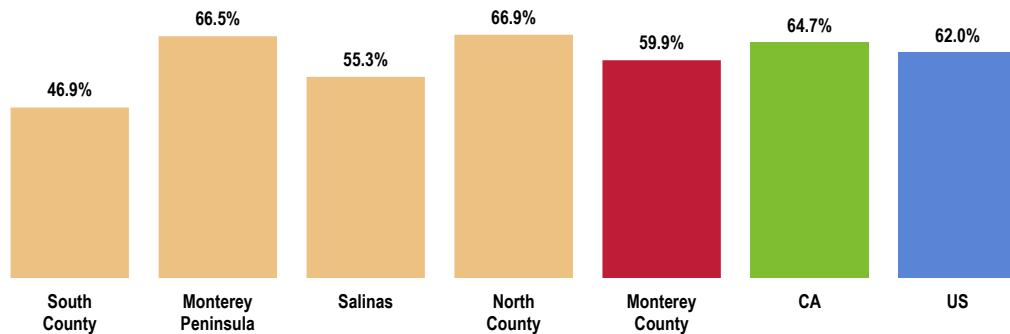
**A total of 59.9% of Monterey County adults have visited a dentist or dental clinic (for any reason) in the past year.**

**BENCHMARK** ▶ Below the California percentage, but satisfies the Healthy People 2030 objective.

**DISPARITY** ▶ Lower in the South County and Salinas areas. Older residents and higher-income individuals are more likely have had a dental visit in the past year, while Hispanic, Black, or LGBTQ+ residents are less likely to have visited a dentist in the past year.

### Have Visited a Dentist or Dental Clinic Within the Past Year

Healthy People 2030 = 45.0% or Higher



Sources:
 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 20]
- Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia. United States Department of Health and Human Services, Centers for Disease Control and Prevention (CDC): 2021 California data.
- 2020 PRC National Health Survey, PRC, Inc.
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

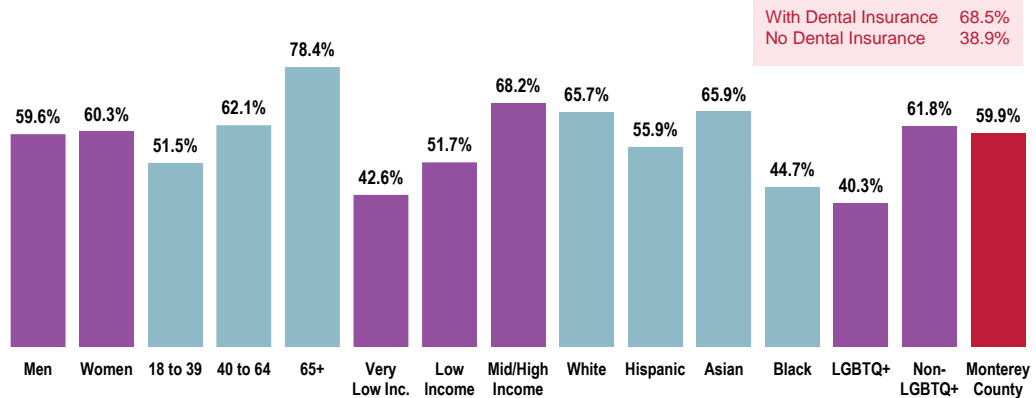
 Notes:
 

- Asked of all respondents.

### Have Visited a Dentist or Dental Clinic Within the Past Year

(Monterey County, 2022)

Healthy People 2030 = 45.0% or Higher



Sources:
 

- 2022 PRC Community Health Survey, PRC, Inc. [Item 20]
- US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

 Notes:
 

- Asked of all respondents.





## Children

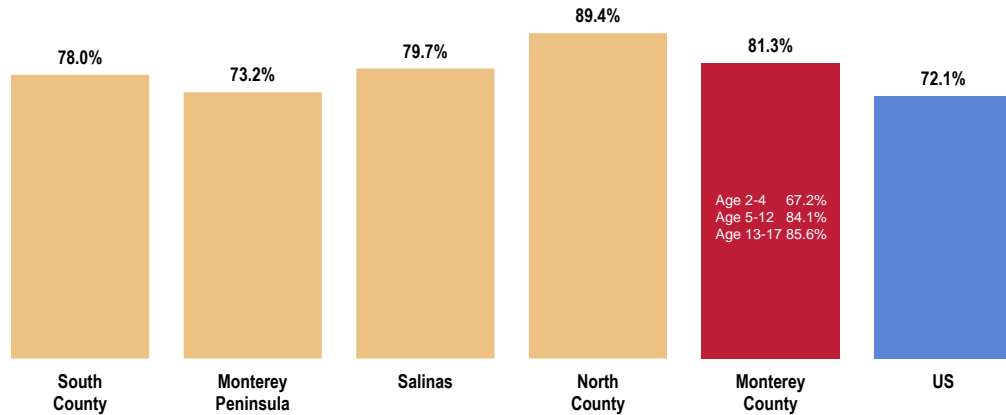
A total of 81.3% of parents report that their child (age 2 to 17) has been to a dentist or dental clinic within the past year.

**BENCHMARK** ▶ Higher than the US finding. Satisfies the Healthy People 2030 objective.

**DISPARITY** ▶ Unfavorably low in the Monterey Peninsula area.

### Child Has Visited a Dentist or Dental Clinic Within the Past Year (Parents of Children Age 2-17)

Healthy People 2030 = 45.0% or Higher



Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 108]  
• 2020 PRC National Health Survey, PRC, Inc.  
• US Department of Health and Human Services. Healthy People 2030. August 2020. <http://www.healthypeople.gov>

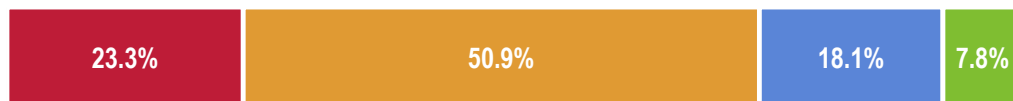
Notes: • Asked of all respondents with children age 2 through 17.

## Key Informant Input: Oral Health

Key informants taking part in an online survey most often characterized *Oral Health* as a “moderate problem” in the community.

### Perceptions of Oral Health as a Problem in the Community (Key Informants, 2022)

■ Major Problem ■ Moderate Problem ■ Minor Problem ■ No Problem At All



Sources: • PRC Online Key Informant Survey, PRC, Inc.  
Notes: • Asked of all respondents.



Among those rating this issue as a “major problem,” reasons related to the following:

### Affordable Care/Services

Cost of services and access to providers is limited. – Social Services Provider

Affordable access for vulnerable populations in the county. – Physician

Poor access to dental services, due to cost and lack of adequate dental insurance. – Public Health Representative

I know I carry two dental insurances and that it is often the most expensive health expense I'll have during a year. In general, we don't see the importance of access to oral health as a significant health issue. This is embedded in the current health insurance structure. – Community Leader

Limited access for those without adequate financial resources. – Physician

### Access to Care/Services

Lack of access to dentist at an early age, drinking juices and sodas at a young age, it goes back to early education. – Social Services Provider

Lack of access and insurance. – Social Services Provider

None of our 400 guests have access to proper dental care. Even some of our staff lack access. – Social Services Provider

Lack of services. – Community Leader

### Prevalence/Incidence

Looking at the teeth of the people I encounter while out and about. Cost of care, lack of access. People with teeth that hurt cannot focus in school or at work. – Public Health Representative

Extensive dental decay in children. – Public Health Representative

increased number of kids and adults with huge amount of work needed. Youth are incarcerated with really bad or poor dental care. Not sure if it is lack of knowledge or just don't care. Would be nice to see the schools referring and checking kids while they are in school. – Other Health Provider

Many children are affected by poor hygiene and outcomes are cavities and gum disease. – Other Health Provider

### Access to Care for Persons Who Are Uninsured/Underinsured

Dental care is extremely expensive. Few dentists accept Medi-Cal dental for adults. The Medi-Cal dental benefit for adults is so poor that teeth are extracted that could be saved if there was sufficient coverage. In addition, the cost of dental restorations including implants, crowns, etc. is so high that most people can't afford this care, even with dental insurance. Dental insurance is not part of Medicare, and most seniors need extensive dental work. – Social Services Provider

Most health insurance doesn't cover dental care and many people, especially youth, have unidentified or treated caries. – Social Services Provider

Limited Emergency, M-Cal doesn't cover dental. – Public Health Representative

### Impact on Quality of Life

Oral health is the gateway to overall health, however it is often overlooked as important to one's health. Limited services and high costs of care for seniors has become an increasing concern. – Other Health Provider

Unaddressed issues. – Social Services Provider

Children without access to dental care cannot concentrate in school. People in long term care cannot eat comfortably without access to dental care. Oral infections are dangerous if untreated. – Community Leader

### Persons At Increased Risk for Adverse Health Outcomes

Oral surgery for the indigent. Many such people need more extensive work for serious reasons (e.g., bone marrow transplant) than are provided for by the existing admirable low-income dental services. – Community Leader

### Education/Awareness

Lack of education on the importance of oral health care for children. Cultural beliefs that fail to recognize the importance of preventive dental care. Lack of dental insurance. Lack of ability to access affordable dental services. – Other Health Provider



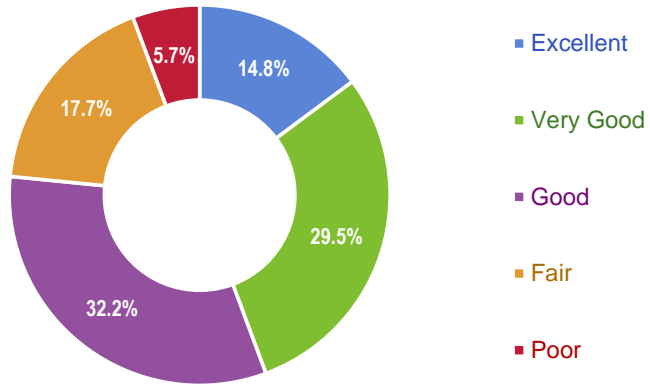


# LOCAL RESOURCES

# PERCEPTIONS OF LOCAL HEALTH CARE SERVICES

Less than half of Monterey County adults rate the overall health care services available in their community as “excellent” or “very good.”

Rating of Overall Health Care Services Available in the Community (Monterey County, 2022)



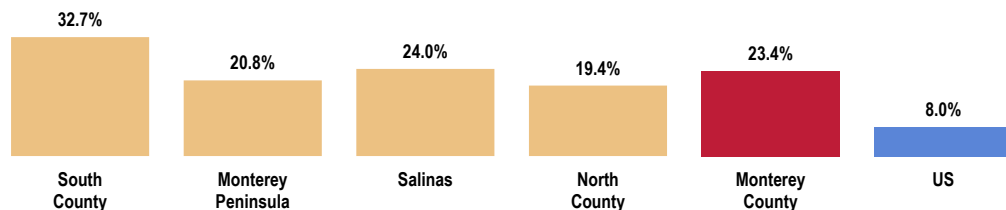
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 6]  
Notes: • Asked of all respondents.

In contrast, 23.4% of residents characterize local health care services as “fair” or “poor.”

**BENCHMARK** ► Nearly three times the national percentage.

**DISPARITY** ► Nearly one in three South County residents considers local health care services to be fair” or “poor.” Low ratings are also more prevalent among women, those under 65, very low and low-income residents, Hispanic respondents, and LGBTQ+ individuals. Individuals having difficulty accessing health care in the past year are also much more likely to be critical of local health care services.

## Perceive Local Health Care Services as “Fair/Poor”

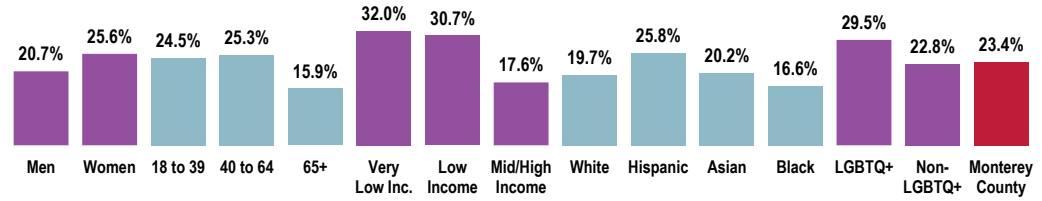


Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 6]  
• 2020 PRC National Health Survey, PRC, Inc.  
Notes: • Asked of all respondents.



## Perceive Local Health Care Services as “Fair/Poor” (Monterey County, 2022)

With Access Difficulty 29.0%  
No Access Difficulty 7.7%



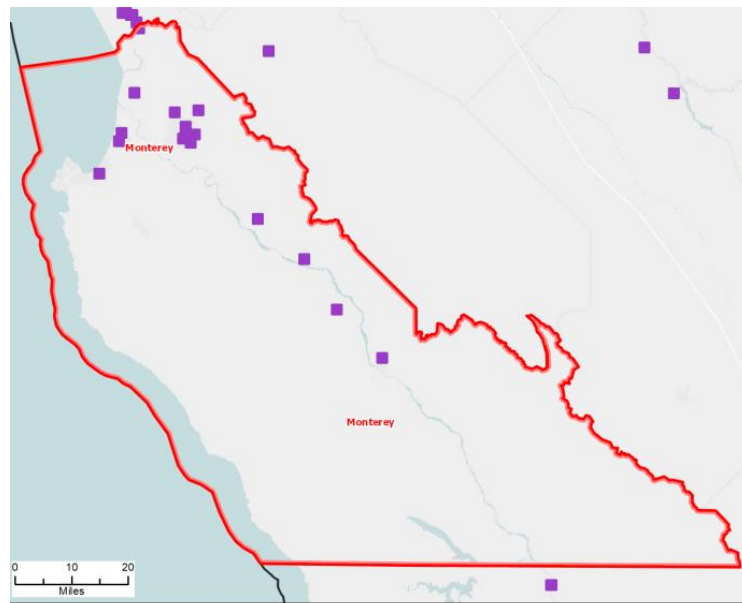
Sources: • 2022 PRC Community Health Survey, PRC, Inc. [Item 6]  
Notes: • Asked of all respondents.



# HEALTH CARE RESOURCES & FACILITIES

## Federally Qualified Health Centers (FQHCs)

The following map details Federally Qualified Health Centers (FQHCs) within Monterey County as of September 2020.



Federally Qualified Health Centers, POS  
September 2020



Report Location, County



Map Legend

SparkMap



# Resources Available to Address the Significant Health Needs

The following represent potential measures and resources (such as programs, organizations, and facilities in the community) identified by key informants as available to address the significant health needs identified in this report. This list only reflects input from participants in the Online Key Informant Survey and should not be considered to be exhaustive nor an all-inclusive list of available resources.

## Access to Health Care Services

211

ACCESS Services  
 Alisal Family Resource Centers  
 Alliance on Aging  
 BHC  
 Big Sur Health Center  
 Blue Zones Project Monterey County  
 Building Healthy Communities  
 CCAH  
 Center for Community Advocacy  
 Centro Binacional de Pueblo Indigena  
 Centro Binacional para el Desarrollo Indigena Oaxaqueno  
 Charity Care Programs  
 Choices Home Healthcare  
 CHOMP  
 CHWs  
 City of Gonzales Community Health Worker Program  
 City/County Representatives  
 Clinica de Salud Clinics  
 Community Health Clinics  
 Community Health Workers  
 Community Human Services Corporation  
 County Behavioral Health  
 County Free Clinics  
 County Supervisors  
 Covered California  
 CSVS Clinic Network  
 Doctors on Duty  
 Eden Valley Care Center  
 Employers  
 Esperanza Care  
 Facilitating Attuned Interactions  
 Farm Worker Organizations  
 Federally Qualified Health Centers  
 First 5  
 George L. Mee Memorial Hospital  
 Health Department  
 Hospitals  
 Interim, Inc.  
 Meals on Wheels

Medi-Cal  
 Mission Medical  
 Mobile Clinics  
 MoGo  
 Montage Health  
 Montage Medical Group  
 Montage Van  
 Monterey County  
 Monterey County Behavioral Health  
 Monterey County Clinic Services Bureau  
 Monterey County Crisis Team  
 Monterey County Department of Social Services  
 Monterey County Health Department  
 Monterey County Hospitals and Clinics  
 Monterey County Public Health  
 Natividad  
 Natividad Hospital  
 Natividad Medical Center  
 Ohana Program  
 Pinnacle Health Care  
 Planned Parenthood  
 Primecare  
 Promotoras  
 Public Health  
 Reflective Practice  
 RotaCare Clinic  
 Salinas Valley Medical Clinic  
 Salinas Valley Memorial Healthcare System  
 Salinas Valley Memorial Hospital  
 Salud Para la Gente  
 School System  
 Seaside Family Health Clinic  
 Share Center  
 Sliding Scale Clinics  
 Social Media  
 Soledad Community Health Care District  
 Soledad Medical Center  
 Soledad Women's Center  
 Sun Street Centers  
 SVMHS Mobile Health Clinic  
 SVMHS Taylor Farms Family Health & Wellness Center  
 Telehealth



- The Colibri Cohort
- The Navigation Center
- Urgent Care Clinics
- VIDA Program
- VNA
- Wellness Centers
- YMCA/YWCA

**Cancer**

- Ag Commissioner's Office
- American Cancer Society
- Breast and Cervical Cancer Treatment Program
- Breast Cancer Assist Group of the Monterey Peninsula
- Cancer Alliance
- CHOMP
- CHOMP Cancer Center
- CSVS Clinic Network
- Doctor's Offices
- Every Woman Counts Program
- Health Department
- Hospice Giving Workshops
- Mobile Clinics
- Montage Health
- Nancy Ausonio Mammography Center and SVMC Cancer Care
- Natividad Hospital
- Natividad Medical Center
- PRUCOL Medi-Cal
- Rotocare Weekly Clinic
- Salinas Valley Memorial Healthcare System
- Salinas Valley Memorial Hospital
- Salinas Valley Memorial Hospital Cancer Resource Center
- Soledad Community Health Care District
- Soledad Medical Center
- Stanford
- Women's Health Center

**Coronavirus Disease/COVID-19**

- 211
- Alternate Housing for COVID Positive
- Blue Zones Project Monterey County
- Building Healthy Communities
- Center for Community Advocacy
- Centro Binacional de Pueblo Indigena
- CHISPA Inc.
- CHOMP
- City of Seaside Community Development Department

- City of Seaside Family and Community Support Program
- Clinica de Salud Clinics
- Coalition for Homeless Services Providers
- Community Based Organizations
- Community Foundation
- Community Foundation for Monterey County
- Community Resources
- Community Testing Sites
- County Assistance PPE
- COVID-19 Collaborative
- CVS
- Doctor's Offices
- Doctors on Duty
- Free Government Testing and Vaccinations
- George L. Mee Memorial Hospital
- Grower-Shipper Association Foundation
- Health Department
- Homeless Outreach
- Hospitals
- Laurel Family Practice Clinic
- Media
- Medi-Cal
- Mental Health Services
- Montage Health
- Monterey County
- Monterey County Department of Social Services
- Monterey County Health Department
- Monterey County Hospitals and Clinics
- Monterey County Housing and Human Development
- Monterey County Office of Education
- Monterey County Public Health
- Natividad Hospital
- Pacific Cancer Care
- Pharmacies
- Rental and Utility Assistance
- Salinas Valley Memorial Healthcare System
- Salinas Valley Memorial Hospital
- Salvation Army
- San Ardo School
- Soledad Medical Center
- Soledad Wellness Pharmacy
- State of California and Federal Programs
- SVMHS Mobile Health Clinic
- SVMHS Taylor Farms Family Health & Wellness Center
- The Village Project
- Vaccine Clinics
- VIDA Program
- VNA





## Dementia/Alzheimer's Disease

Alliance on Aging  
Alzheimer's Association  
Caregiver Support Groups  
Carmel Foundation  
Central Coast Senior Services  
CHOMP  
Community Based Organizations  
Doctor's Offices  
Hospice Giving Workshops  
Hospitals  
Independent Transportation Network  
Long-Term Care Facilities  
Madonna Care  
Meals on Wheels  
Montage Health  
Montage Medical Group  
Monterey County Area Agency on Aging  
Monterey County Behavioral Health  
Pacific Coast Manor  
Private Caregiving Companies  
Salinas Valley Medical Clinic  
Salinas Valley Memorial Healthcare System  
Sam Trevino - [www.hpcn.org](http://www.hpcn.org)  
Senior Living Communities  
Support Groups

## Diabetes

211  
ADA  
Ag Companies  
American Diabetes Association  
Aspire Health Diabetes Innovation  
Bilingual Accredited Diabetes Education Centers  
Blue Zones Project Monterey County  
Building Healthy Communities  
CalFresh Healthy Living Program  
CHI Programs  
CHOMP  
CHOMP Diabetes Clinic  
Clinica de Salud Clinics  
Community Health Clinics  
Community Health Innovations  
Community Human Services Corporation  
Community Wellness Programs  
CSVs Clinic Network  
Diabetes Care Center  
Diabetes Collaborative  
Diabetes Prevention Program  
Doctor's Offices

Don't Feed the Beast  
Don't Feed the Diabetes  
Education  
Esperanza Care  
Everyone's Harvest  
Farmers  
Farmer's Markets  
Food Bank  
Food Prescription Programs  
George L. Mee Memorial Hospital  
Harmony at Home  
Health Department  
Hospitals  
Meals on Wheels  
Mobile Clinics  
Montage Health  
Montage Health Diabetes Education  
Montage Medical Group  
Monterey County Behavioral Health  
Monterey County Clinic Services Bureau  
Monterey County Employee Wellness Program  
Monterey County Health Department  
Monterey County Health Services  
Monterey County Hospitals and Clinics  
National Diabetes Prevention Program  
Natividad  
Natividad Diabetes Center  
Natividad Foundation  
Natividad Hospital  
Natividad Medical Center  
Natividad Medical Clinics  
Nonprofits  
Nutrition Services  
Parks and Recreation  
Pharmacies  
Prime Time  
Produce Prescription Program  
Promotoras  
Public Health  
RotaCare Clinic  
Salinas Valley Memorial Diabetes Endocrine Center  
Salinas Valley Memorial Healthcare System  
Salinas Valley Memorial Hospital  
School System  
Seaside Family Health Clinic  
SNAP Services  
Soledad Dialysis  
Soledad Medical Center  
St. John's Catholic Church  
SVMC Pediatric Diabetes Clinic  
SVMHS Mobile Health Clinic



- SVMHS Taylor Farms Family Health & Wellness Center
- The Big Share
- VIDA Program
- VNA
- WIC

### Disability & Chronic Pain

- 211
- Alliance on Aging
- Alternative Health Services
- Behavioral Health Services
- Blind and Visually Impaired Center
- Central Coast Center for Independent Living
- CHOMP
- City of Seaside Family and Community Support Program
- Community Based Organizations
- Community Human Services Corporation
- Doctor's Offices
- Doctors on Duty
- Employers
- Esperanza Care
- Meals on Wheels
- Mental Health Services
- Montage Health Wellness Centers
- Monterey County Health Department
- Monterey County Start
- Monterey Spine and Joint Pain Management Team
- Parks and Recreation
- Prescribe Safe Monterey County
- Public Health
- Salinas Valley Medical Clinic
- Salinas Valley Memorial Hospital
- Seaside Family Health Clinic

### Heart Disease & Stroke

- 211
- American Heart Association
- Bilingual Cardiology Clinics
- Blue Zones Project Monterey County
- CHOMP
- CHOMP Stroke Center
- CSVs Clinic Network
- Culturally Appropriate Prevention/Management Services
- Doctor's Offices
- Farmer's Markets
- George L. Mee Memorial Hospital
- Health Department

- Health Fairs
- Hospitals
- Montage Health Tyler Heart Institute
- Montage Health Wellness Centers
- Montage Medical Group
- Monterey County Health Department
- Natividad ARU
- Natividad Hospital
- Natividad Medical Center
- Nonprofits
- Nutrition Services
- Parks and Recreation
- Physical Therapy Groups
- Public Health
- Salinas Valley Heart Care Program
- Salinas Valley Memorial Hospital
- Salinas Valley Memorial Hospital Stroke Center
- SVMC Central Coast Cardiology
- SVMHS Mended Hearts Program
- SVMHS Taylor Farms Family Health & Wellness Center
- YMCA/YWCA

### Infant Health & Family Planning

- CPSP
- First 5
- Harmony at Home
- Hospitals
- Maternal Mental Health Task Force
- Monterey County Behavioral Health
- Monterey County Bright Beginnings/First 5
- Natividad Medical Clinics
- Planned Parenthood
- SNAP Services
- SVMC PrimeCare
- SVMHS Mobile Health Clinic
- SVMHS Taylor Farms Family Health & Wellness Center
- WIC

### Injury & Violence

- Behavioral Health Department
- Behavioral Health Services
- Building Healthy Communities
- CASP
- Choice
- CHOMP
- City of Seaside Family and Community Support Program
- Community Action for Safety and Peace



- Community Alliance for Safety and Peace
- Community Based Organizations
- Community Human Services Corporation
- District Attorney's Office
- Doctor's Offices
- Elected Officials
- Gang Task Force
- Harmony at Home
- Health Department
- Hospitals
- Law Enforcement
- MILPA
- Monterey County Behavioral Health
- Monterey County Health Department
- Monterey County Sheriff's Department
- Natividad
- Natividad Foundation
- Natividad Medical Center
- Natividad Trauma Center
- Parks and Recreation
- Partners for Peace
- Police
- Rape Crisis Center
- Safer Streets Program
- Salinas Valley Memorial Healthcare System
- School System
- Shelters
- Silver Star Resources
- Stryve
- Substance Prevention Programs
- Sun Street Centers
- SVMHS Taylor Farms Family Health & Wellness Center
- The Village Project
- Transportation Agency for Monterey County
- Victims Witness
- YMCA/YWCA
- Youth Resource Center
- Youth Violence Prevention Task Force

- Behavioral Health Department
- Behavioral Health Services
- Big Sur Health Center
- Boys and Girls Club
- Breakthrough Behavior Clinic
- Building Healthy Communities
- CALAIM
- Catholic Charities
- CCAH
- CHOMP
- CHOMP Behavioral Health
- CHOMP Crisis Center
- CHOMP Outpatient Mental Health
- City of Seaside Family and Community Support Program
- Clinica de Salud Clinics
- Community Based Organizations
- Community Hospital Mental Health
- Community Human Services Corporation
- Community Partnership for Youth
- County Behavioral Health
- County Mental Health Services
- CSUMB PGCC
- Doctor's Offices
- Doctors on Duty
- Downtown Streets Team
- EAP Programs
- F5MC
- Faith Community
- Federally Qualified Health Centers
- First 5
- Gathering for Women
- Harmony at Home
- Hartnell Behavioral Health Services
- Hartnell College
- Heal Together
- Health Department
- Hospitals
- Insurance Plans
- Interim, Inc.
- Kingship Center
- Mental Health Services
- Montage Health
- Montage Medical Group
- Monterey County Behavioral Health
- Monterey County Crisis Team
- Monterey County Health Department
- Monterey County Outpatient Mental Health Services
- Monterey MDOT/CAT
- Monterey Psychiatric Center
- NAMI
- Natividad

### Kidney Disease

- Aspire Health Diabetes Innovation
- Aspire Pediatric Wellness Program
- DaVita Dialysis Center
- Education
- Nutrition Services

### Mental Health

- 211
- Alliance on Aging
- Beacon Health



- Natividad Hospital
- Natividad Medical Center
- Nonprofits
- Ohana Program
- Online Resources
- Public Health
- Rape Crisis Center
- Recovery Center
- Salvation Army
- San Andreas Regional Services
- School System
- Silver Star Resources
- Soledad Medical Center
- Spiritual Healing
- SUHSD Wellness Centers
- Suicide Hotline
- Sun Street Centers
- Sunset Center
- SVMC Behavioral Health
- The County
- The HUB
- The Village Project
- VA Monterey
- VNA
- Wrap Around Services
- YMCA/YWCA

- Montage Health
- Montage Health Nutrition
- Montage Health Wellness Centers
- Monterey County
- Monterey County Behavioral Health
- Monterey County Health Department
- Monterey County Office of Education
- Monterey County Public Health
- Natividad Foundation
- Natividad Medical Center
- Nonprofits
- Nutrition/Fitness Collaborative of the Central Coast
- Parks and Recreation
- Policy Makers and Planners
- Prime Care Salinas Valley Medical Clinic
- Produce Prescription Program
- Promotoras
- Public Health
- Salinas Soccer Complex
- Salinas Valley Memorial Diabetes Endocrine Center
- Salvation Army
- School System
- Self-Determination
- SNAP Services
- Soledad Community Health Care District
- Soledad Medical Center
- Sports Center
- Support Groups
- SVMHS Health Promotions
- SVMHS Taylor Farms Family Health & Wellness Center
- Transportation Agency for Monterey County
- Weight Watchers
- WIC
- YMCA/YWCA
- Youth Sports

### Nutrition, Physical Activity, & Weight

- 211
- ADA
- All In Monterey
- Aspire Health Diabetes Innovation
- Aspire Pediatric Wellness Program
- Big Sur Land Trust
- Blue Zones Project Monterey County
- Building Healthy Communities
- CCAH
- Clinica de Salud Clinics
- Coastal Kids
- Community Church
- Community Partnership for Youth
- Doctor's Offices
- Farmers
- Farmer's Markets
- Fitness Centers/Gyms
- Food Bank
- George L. Mee Memorial Hospital
- Hartnell College
- Healthy Youth Task Force
- Kids Eat Right Program
- MCOE
- Meals on Wheels

### Oral Health

- 211
- Big Sur Dental
- Clinica de Salud Clinics
- CSVs Clinic Network
- Dental Society
- Dentist's Offices
- Dientes
- Doctor's Offices
- Education
- Insurance Plans
- Medi-Cal/Denti-Cal Providers
- Mission Dental



- Monterey Bay Dental Society Referral Source
- Monterey County Food Bank
- Monterey County Health Department
- Oral Health Van
- School System
- Seaside Family Health Clinic
- Western Dental

### Respiratory Disease

- CHOMP
- Doctor's Offices
- Education
- Federally Qualified Health Centers
- Montage Medical Group
- Strict Regulations Around Pesticides in Farming
- SVMHS Mark Velcoff, MD Asthma Camp

### Sexual Health

- Clinica de Salud Clinics
- Doctor's Offices
- Doctors on Duty
- Monterey County Health Department
- NIDO Clinic
- Planned Parenthood
- School System
- Seaside Family Health Clinic
- SVMC Health Care for Women

### Substance Use

- 211
- AA/NA
- Beacon House
- Bridge Restoration Ministries
- Bright Future Recovery
- Childcare
- CHOMP
- CHOMP Crisis Center
- CHOMP Recovery Center
- CHS
- City of Seaside Family and Community Support Program
- Community Human Services Corporation
- Doctor's Offices
- Door to Hope
- Dorothy's Place
- Genesis House
- Governor
- Hospitals
- Inpatient Clinics for Youth

- Insurance Plans
- Interim, Inc.
- Mental Health Services
- Montage Health
- Monterey County Behavioral Health
- Monterey County Health Department
- Monterey County Office of Education
- Monterey MDOT/CAT
- Natividad Hospital
- Nonprofits
- Prescribe Safe Monterey County
- Public Health
- Reb Close
- Residential Treatment Facilities
- Salinas Valley Memorial Healthcare System
- Salud Para la Gente
- School System
- Silver Star Resources
- Spiritual Healing
- Substance Use Treatment Professionals
- Sun Street Centers
- Sunrise Center
- Support and Resources for Kids and Youth
- Support Groups
- The Bridge Restoration Ministry
- The Village Project
- Valley Health
- VHA
- Victory Outreach

### Tobacco Use

- Alternative Products to Reduce Use
- Blue Zones Project Monterey County
- Community Partnership for Youth
- Doctor's Offices
- First 5
- George L. Mee Memorial Hospital
- Hospitals
- Monterey County Public Health
- Sun Street Centers
- The Village Project
- Tobacco Cessation Programs
- Tobacco Free Zones Near Schools
- Youth Resource Center
- Youth Violence Prevention Task Force

