

Appendix A

Marin County Community Health Needs Assessment Health Need Profiles

Contents

	Obesity and Diabetes	A 2
	Education.....	A 7
	Economic and Housing Insecurity....	A 11
	Access to Health Care.....	A 15
	Mental Health.....	A 19
	Substance Use.....	A 23
	Oral Health.....	A 27
	Violence and Unintentional Injury...	A 30

Indicator Key

Throughout the health need profiles, California state average estimates are included where available for reference. Differences between Marin County and California state estimates are not necessarily statistically significant, and are color coded as follows:

Marin County performs \geq 1% (or units) better than California

Marin County performs within 1% (or units) better or worse than California, or no California are data available

Marin County performs \geq 1% (or units) worse than California



Obesity and Diabetes

Overweight and obesity are strongly related to stroke, heart disease, some cancers, and type 2 diabetes. These chronic diseases represent some of the leading causes of death nationwide.¹ Although some indicators demonstrate better health in Marin County than California State on average, there is still a high prevalence of adults and youth in Marin County who are overweight or obese. Data also indicate that Marin County residents have a higher risk of heart disease compared to California residents on average, and that they experience limited access to affordable healthy food. Primary data corroborates lack of healthy and affordable food as a need, and issues related to healthy eating and active living arose as key themes in focus groups and interviews. Low-income residents, older adults, and youth are also disproportionately face barriers to healthy eating and active living.

Key Data

Indicators

Percent of Adults Obese (BMI > 30.0)²



"We are seeing **more awareness** when we are talking about healthy eating and exercise."

– Interviewee

Percent of Youth (Grades 5, 7, 9) Obese (BMI > 30.0)³

HP 2020 Goal: ≤ 16.1%



"In Marin County, overall the county is very healthy, but there are **pockets of poverty** where the outcomes are not as good. When you drill down in those communities, like Marin City or the Canal, **there are issues of access to grocery stores, and they have corner stores, liquor stores, or fast food places where unhealthy food is advertised.**"

– Interviewee

Diabetes Prevalence⁴

Age-adjusted; Adult



Key Themes from Qualitative Data

Economic Disparities Drive Health Disparities

- Few affordable grocery stores
- Healthy food options are more expensive than calorie dense, less nutritious options
- Stigma associated with accessing healthy eating resources such as food banks



Link Between Stress/Mental Health and Obesity

- Pace of life and reliance on technology as drivers of poor eating habits and exercise habits
- Healthy eating and active living as drivers of positive mental health outcomes

[†] Body composition is determined by skinfold measurements or bioelectrical impedance analysis for the calculation of percent body fat and/or Body Mass Index (BMI) calculation. The percent body fat "high risk" threshold is 27.0%-35.1% for boys and 28.4%-38.6% for girls, depending on age. The BMI "high risk" threshold is 17.5-25.2 for boys and 17.3-27.2 for girls, depending on age. These measures are based on the CDC's BMI-for-age growth charts, which define an individual as obese when his or her weight is "equal to or greater than the 95th percentile".

Note: California state average estimates are included for reference. Differences between Marin County and California state estimates are not necessarily statistically significant.




Obesity and Diabetes (continued)

Supporting Data and Key Drivers

Supporting Data: Related Health Outcomes

<p>Diabetes Mortality, Adult <i>Age-adjusted mortality rate per 100,000 population⁵</i></p> <p>8.9 20.8 Marin California</p>	<p>Diabetes Prevalence, Older Adult <i>% of Medicare fee-for-service population with diabetes⁶</i></p> <p>15.2 26.6 Marin California</p>	<p>Diabetes Hospitalizations <i>Rate of diabetes-related discharge per 10,000 discharges⁷</i></p> <p>5.1 10.4 Marin California</p>
<p>Overweight, Adult <i>% of adults with BMI between 25.0 and 30.0⁸</i></p> <p>30.8 35.9 Marin California</p>	<p>Overweight Youth <i>% of 5,7,9 grade with "Needs Improvement" for body composition⁹</i></p> <p>16.3 19.3 Marin California</p>	
<p>Stroke Mortality, Adult <i>Age-adjusted mortality rate per 100,000 pop.¹⁰</i></p> <p>27.6 37.4 Marin California</p>	<p>Ischaemic Heart Disease Prevalence, Older Adult <i>% of Medicare fee-for-service population¹¹</i></p> <p>23.6 37.4 Marin California</p>	<p>Heart Disease Prevalence, Adult <i>% of adults with any kind of heart disease^{12, *}</i></p> <p>7.6 6.1 Marin California</p>

Driver: Healthy Eating

<p>Fruits and Vegetables, Adults <i>% adults consuming <5 servings of fruit and vegetables¹³</i></p> <p>64.3 71.5 Marin California</p>	<p>WIC Authorized Food Stores <i>% of food stores authorized to accept WIC program benefits per 100,000 pop vegetables¹⁴</i></p> <p>9.0 15.8 Marin California</p> 	<p>Low Food Access <i>% of population with low food access¹⁵</i></p> <p>17.1 14.3 Marin California</p>
<p>Fruits and Vegetables-Youth <i>% youth age 2-13 consuming <5 servings of fruit and vegetables¹⁶</i></p> <p>50.1 47.4 Marin California</p>		

*Unstable county estimate; findings should be interpreted with caution.



Obesity and Diabetes (continued)

Driver: Physical Activity

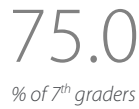
Adult Activity

% adults with no leisure time activity¹⁷



Youth Activity

% of youth in Marin County who exercised vigorously for at least 20 minutes during 4 or more of the past 7 days¹⁸



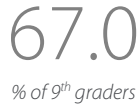
Physical Environment

% population living 1/2 mile from a park¹⁹



Youth Fitness

% youth in grades 5,7,9 with "high risk" or "needs improvement" aerobic capacity²⁰



"Having resources to eat right, to exercise— all the preventive things are luxuries for lower income folks."

– Interviewee

Driver: Clinical Care

Diabetes Management

% diabetic Medicare patients with HbA1c test²¹



Driver: Social and Economic Risks

Food Insecurity

% population experiencing food insecurity²²



Poverty and Food Access

% of low-income pop. with low food access²³

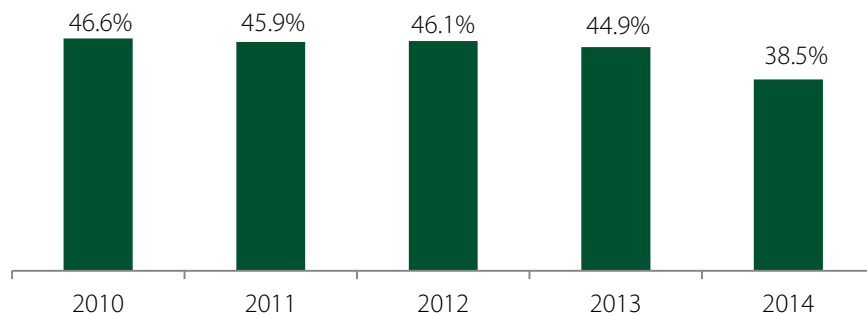




Obesity and Diabetes (continued)

Trends and Disparities

Percent of Adults Overweight or Obese in Marin County²⁴



The percent of adults who are overweight or obese has been slowly decreasing over time since 2010. Monitoring this trend in future years is important to identify if the decline continues.

Populations with Greatest Risk in Marin County

Age disparities

Interviewees and focus group participants noted that older adults are disproportionately impacted by this health issue. Access to healthy food and the ability to maintain a healthy lifestyle are more limited for older adults, particularly those living on a fixed and low income.

Overall, trends in youth obesity in Marin County remain constant. While youth in focus groups emphasized that Marin County provides a supportive environment to make healthy dietary and lifestyle choices, interviewees noted that children and adolescents are a particularly vulnerable population because developing healthy habits during youth sets the foundation for healthy eating and active living during adulthood. One interviewee said, "I'm focusing more on adolescents, [with] a broader look at nutrition – where are they eating and how are they eating. I see more kids grabbing food whenever they can, even if it's healthy. They eat on the run a lot and then not at all. Eating habits, and when they eat as well, are important."

Targeted initiatives in specific school districts seek to reduce disparities in youth obesity. Evaluations of these programs may provide additional information about how youth weight status is changing over time.



Obesity and Diabetes (continued)

Examples of Existing Community Assets[†]

<p>Clinics and Schools</p>	<p>Farmers Markets / Community Garden</p>	<p>Parks and Recreations</p>
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Community Recommendations for Change[†]

Changes in clinical care

- Increase linguistically and culturally appropriate services
- Increase nutritionist services in community clinics
- Change payment structure so that healthcare workers are not dis-incentivized to talk about upstream HEAL factors

Changes in built environment

- Increase education about HEAL for the whole family
- Increase safe places to exercise in low income communities
- Create more affordable exercise/gym facilities

[†] Assets and recommendations excerpted from qualitative data. For a comprehensive list of county assets and resources, reference <http://211bayarea.org/marin/>.

¹ "Obesity Health Risks," Harvard School of Public Health, Obesity Prevention Source, accessed November 2015, <http://www.hsph.harvard.edu/obesity-prevention-source/obesity-consequences/health-effects/>.

² Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, 2012.

³ California Department of Education, FITNESSGRAM® Physical Fitness Testing, 2013-14.

⁴ Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, 2012.

⁵ California Department of Public Health, County Health Profile Marin County, 2011-13.

⁶ Centers for Medicare and Medicaid Services, 2012.

⁷ California Office of Statewide Health Planning and Development, OSHPD Patient Discharge Data. Additional data analysis by CARES, 2011.

⁸ Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES, 2011-12.

⁹ California Department of Education, FITNESSGRAM® Physical Fitness Testing, 2013-14.

¹⁰ University of Missouri, Center for Applied Research and Environmental Systems. California Department of Public Health, Death Public Use Data, 2010-12.

¹¹ Centers for Medicare and Medicaid Services, 2012.

¹² California Health Interview Survey, 2013-14.

¹³ Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse, 2005-09.

¹⁴ US Department of Agriculture, Economic Research Service, USDA - Food Environment Atlas, 2011.

¹⁵ US Department of Agriculture, Economic Research Service, USDA - Food Environment Atlas, 2010.

¹⁶ California Health Interview Survey, 2011-12.

¹⁷ Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, 2012.

¹⁸ California Healthy Kids Survey, 2013-14.

¹⁹ US Census Bureau, Decennial Census. ESRI Map Gallery, 2010.

²⁰ California Department of Education, FITNESSGRAM® Physical Fitness Testing, 2013-14.

²¹ Dartmouth College Institute for Health Policy and Clinical Practice, Dartmouth Atlas of Health Care, 2012.

²² Feeding America. Child Food Insecurity Data, 2012.

²³ US Department of Agriculture, Economic Research Service, USDA - Food Access Research Atlas, 2010.

²⁴ California Health Interview Survey, 2010-14.

Marin County Community Health Needs Assessment

Education



Educational attainment is linked to health: people with low levels of education are prone to experience poor health outcomes and stress, whereas people with more education are likely to live longer, practice healthier behaviors, experience better health outcomes, and raise healthier children.¹ While some education outcomes, such as high school graduation rate, are higher for Marin County than the rest of California, disparities, particularly among English Language Learners, African American, and Latino students, indicate that education is a high concern in the county. In secondary data, English Language Learners are less likely to pass the high school exit exam in Math and English Language Arts compared to their peers in Marin County and compared to English Language Learners on average in California. In primary data, community members and key stakeholders highlighted education as an important health need and recommended strategies to improve county-wide access and decrease disparities such as increasing investment in early childhood education.

Key Data

Indicators

Percent of Children (age 3-4) Enrolled in School²



Percent of Third Grade Children in Public Schools Scoring at or Above the “Proficient” Level on English Language Arts California Standards Test³



Percent of Cohort Graduating from High School⁴ HP 2020 Goal: ≥ 82.4



“We’re making strides in expanding early childhood education [ECE] in Marin City because high school graduation rates can be linked to ECE so we have to move upstream, starting from parents ability to care for their children and institutional partners that can provide excellent services for young folks so they’re fully developed.”

– Interviewee

Key Themes from Qualitative Data

- The educational gap is wide for immigrants and English-language learners.
- There is a need for more awareness around bullying in schools.
- Students feel a great deal of pressure to succeed academically.
- College courses are expensive and unattainable for many, particularly undocumented immigrants.

Note: California state average estimates are included for reference. Differences between Marin County and California state estimates are not necessarily statistically significant.

Education (continued)



Supporting Data

Early Childhood Education

Head Start programs rate
% of children enrolled in Head Start,
per 10,000 children under age 5.⁵



English Language Learners

English Language Performance (Grade 10)
% of all students versus English language learners (grade 10) who passed
the California High School Exit Exam in English Language Arts⁶



Math Performance (Grade 10)
% of all students versus English language learners (grade 10) who passed
the California High School Exit Exam in Math⁷



Retention/Discipline

Expulsion
Rate of expulsion per 100 enrolled K-12 public
school students⁸



Suspension
Rate of suspension per 100 enrolled K-12 public
school students⁹



Bullying

Bullying
Percent of 11th grade students reporting
harassment or bullying on school property
within the past 12 months for any reason.¹⁰



Post-Secondary Education

Population Educational Attainment
% of population age 25+ with Associates Degree
or higher¹¹



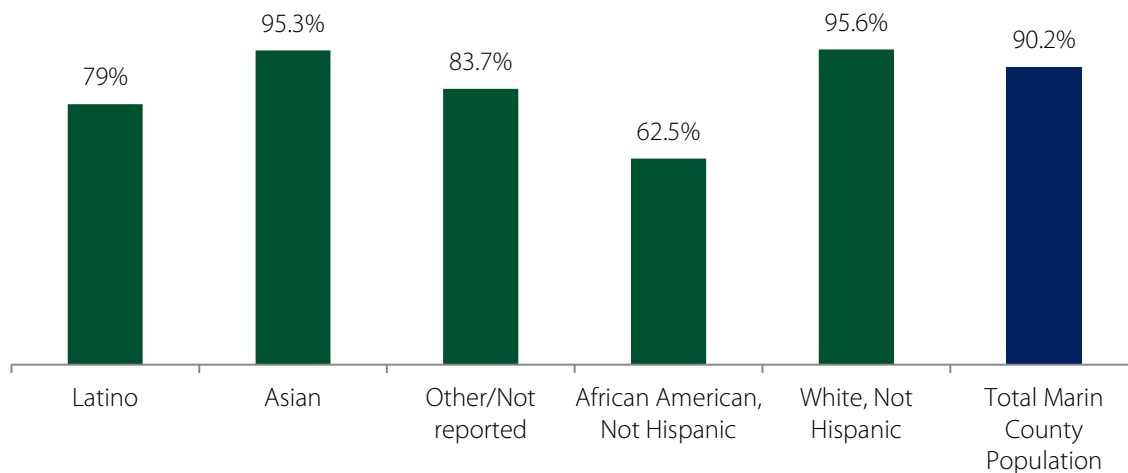
Marin County Community Health Needs Assessment

Education (continued)

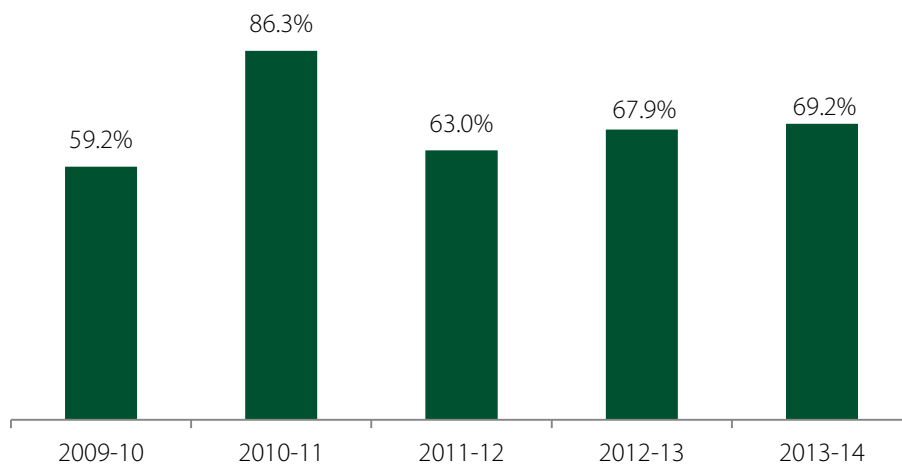


Populations Disproportionately Affected

Cohort High School Graduation by Race/Ethnicity in Marin County (2011-12)¹²



Percent of Cohort Graduating High School Among English Language Learner Students in Marin County¹³



Disparities in education attainment persist in Marin County. In particular, **African American** and **Latino** students have are less likely to graduate high school with their cohort. **English Language Learners** are also less likely to graduate in four years; this trend is increasing overall since 2009-10. "Student achievement for low-income students and students of color in Marin falls far below the achievement of more advantaged students in the County. The gap in achievement begins at an early age and increases over time."¹⁴

Marin County Community Health Needs Assessment

Education (continued)



Assets and Recommendations

Examples of Existing Community Assets[†]

School Districts



First 5 Commission



Community Organizations/Collaboratives



Community Recommendations for Change[†]

- Take a cross-sectorial approach and collaboration to close gaps in educational attainment (e.g., public sector, schools, philanthropy, nonprofit, business communities, etc.)
- Change approaches to addressing needs from a single-issue perspective to a holistic perspective—recognizing that housing, economic security, access to health insurance, and education are inter-related and impact health.
- Support and target resources for universal preschool—early childhood education is essential for future educational success.

[†] Assets and recommendations excerpted from qualitative data. For a comprehensive list of county assets and resources, reference <http://211bayarea.org/marin/>.

¹ “Exploring the Social Determinants of Health: Education and Health,” Robert Wood Johnson Foundation, Accessed October 19, 2015, http://www.rwjf.org/content/dam/farm/reports/issue_briefs/2011/rwjf70447.

² US Census Bureau, American Community Survey, 2014.

³ California Department of Education, Standardized Testing and Reporting (STAR) Results, 2013.

⁴ California Department of Education, 2013.

⁵ US Department of Health & Human Services ,Administration for Children and Families. 2014.

⁶ California Department of Education, 2013-14.

⁷ Ibid.

⁸ California Department of Education, 2013.

⁹ Ibid.

¹⁰ California Department of Education, California Healthy Kids Survey and California Student Survey (WestEd), 2011-13.

¹¹ US Census Bureau, American Community Survey, 2009-13.

¹² California Department of Education, 2011-13.

¹³ California Longitudinal Pupil Achievement Data System (CALPADS), 2009-2014.

¹⁴ Marin Community Foundation, School Readiness in Marin County, 2014.



Economic & Housing Insecurity

Economic security is very strongly linked to health; having limited economic resources can impact access to opportunities to be healthy, including access to healthy food, medical care, and safe environments.¹ In addition to good paying jobs, access to stable and affordable housing is also an essential foundation for good health. Substandard housing and homelessness tends to exacerbate other physical and mental health issues. High cost of living contributes to both economic and housing issues. In Marin County, the cost of living is higher in the county than California average, as is the Gini Coefficient of Income Inequality, revealing blind spots in traditional poverty measures. Additionally, 1,309 individuals are homeless, 835 of which are unsheltered.² Lack of affordable housing was a key issue raised by community residents and stakeholders. Furthermore, reports indicate that the low-income Canal neighborhood of San Rafael and the African American population in Marin City face risk of displacement due to gentrification.^{3,4}

Key Data

Indicators			
<p>Percent of Renters Spending 30% or More of Household Income on Rent⁵</p> <p>Marin: 56.0 California: 57.2</p>	<p>“Marin tied for the most expensive housing - as San Francisco and New York City. What that means is that people who are most vulnerable get squeezed out. They are already in the worst housing, and as rent goes up with no rent control, [and stifled development], more people are getting squeezed out. People come from San Francisco, but people who were living in Marin, the working poor, they are pushed out.”</p> <p>– Interviewee</p>		
<p>Percent of Population Living Below 200% Federal Poverty Level⁶</p> <p>Marin: 19.4 California: 35.9</p>			
<p>HUD-Assisted Units (per 10,000 housing units)^{7,†}</p> <p>Marin: 351.0 California: 368.3</p>		<p>“It’s the combination of pay, no housing, and the limits on development. More and more people have housing insecurities. Then they can’t address other health issues or take care of basic needs like buying medication.”</p> <p>– Interviewee</p>	
<p>Key Themes from Qualitative Data</p> <table border="0"> <tr> <td style="vertical-align: top;"> <p><i>Lack of affordable housing</i></p> <ul style="list-style-type: none"> - Increase in cost of housing - Overcrowded housing - Increase in homelessness - Housing affordability tied to income inequality </td> <td style="vertical-align: top;"> <p><i>Employment Opportunities</i></p> <ul style="list-style-type: none"> - Strong economy in Marin, though jobs are limited and service jobs pay minimum wage - Lack of transportation to jobs </td> </tr> </table>		<p><i>Lack of affordable housing</i></p> <ul style="list-style-type: none"> - Increase in cost of housing - Overcrowded housing - Increase in homelessness - Housing affordability tied to income inequality 	<p><i>Employment Opportunities</i></p> <ul style="list-style-type: none"> - Strong economy in Marin, though jobs are limited and service jobs pay minimum wage - Lack of transportation to jobs
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† Reports counts of all housing units receiving assistance through the US Department of Housing and Urban Development (HUD). Assistance programs include Section 8 housing choice vouchers, Section 8 Moderate Rehabilitation and New Construction, public housing projects, and other multifamily assistance projects. Units receiving Low Income Housing Tax Credit assistance are excluded from this summary. This measure does not indicate the need for HUD-Assisted Units, which may be lower in Marin County than other parts of the state.

Note: California state average estimates are included for reference. Differences between Marin County and California state estimates are not necessarily statistically significant.



Economic & Housing Insecurity (continued)

Supporting Data and Key Drivers

Supporting Data: Housing Quality

Vacant Housing Units

% of housing units that are vacant^{8,†}

7.6 | 8.6

Marin | California

Overcrowded Rental Environments

% of renter occupied households with more than one person per room⁹

7.4 | 13.3

Marin | California

“Housing is not affordable, so there are families living with other families and multiple children sharing bedrooms. People cannot afford their own home to live here. This is a difficult situation, mentally and emotionally and leads to [poor] health outcomes as well.”

– Interviewee

Supporting Data: Poverty and Unemployment

Gini Coefficient of Income Inequality is **0.5164** in Marin County, compared to **0.4782** in California State. This indicates a *more uneven distribution of income* among households in Marin County compared to across the state.¹⁰

Children in Poverty

% of children (age <18) living below 100% of Federal Poverty Level^{11,††}

8.9 | 22.2

Marin | California

Older Adults in Poverty

% of adults (age 65+) living below 100% of Federal Poverty Level^{12,††}

5.5 | 9.9

Marin | California

Unemployment Rate

% of civilian non-institutionalized population age 16 and older that is unemployed¹³

4.2 | 7.4

Marin | California

Driver: Education

Population with Less than High School Education

% population age 25+ with no high school diploma¹⁴

7.6 | 18.8

Marin | California

3rd Grade Reading Proficiency

% of all public school students tested in 3rd grade who scored proficient or advanced on the English Language Arts California Standards Test¹⁵

66.0 | 46.0

Marin | California

Driver: Cost of Living

Median Household Income¹⁶

\$91k | \$61K

Marin | California

Living Wage

Annual income required to support one adult and one child¹⁷

\$61k | \$53k

Marin | California

“If we address some of the **housing and economic issues** for people in poverty, their **health outcomes change dramatically**. It’s not just talking about healthy eating. How do we change the economics?”

– Interviewee

† Vacant housing reported as an indicator of blight across the city. Research demonstrates links between foreclosed, vacant, and abandoned properties with reduced property values, increased crime, increased risk to public health and welfare, and increased costs for municipal governments. (U.S. Department of Housing and Urban Development, Evidence Matters, Winter 2014).

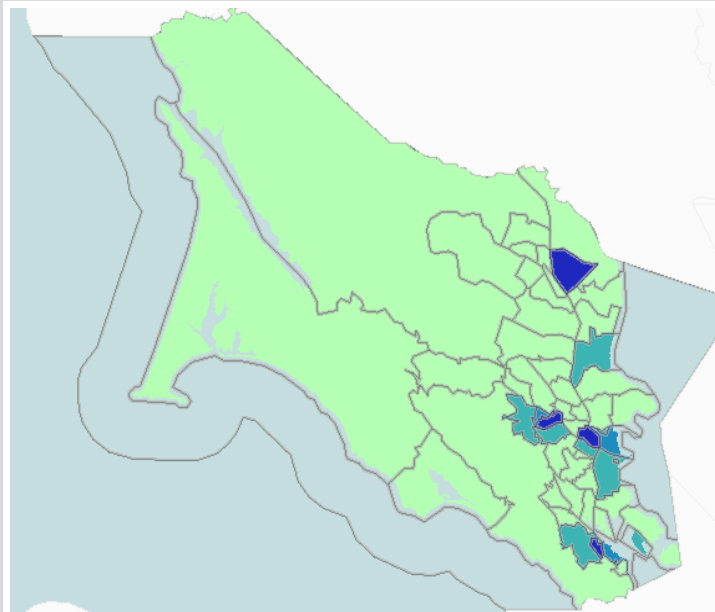
†† Due to high cost of living, income <100% of FPL indicates severe poverty in Marin County.



Economic & Housing Insecurity(continued)

Populations Disproportionately Affected

Geographic Areas with Greatest Risk in Marin County



Population of Children (Age 0-17) Living Below 50% of Federal Poverty Level, Percent by Tract¹⁸

The map displays extreme geographic disparities of children living in extreme poverty across Marin County. Given the high cost of living in the county, <50% of Federal Poverty Level indicates severe poverty that can have profound consequences on a child and their family.

The census tracks with >13% of children living below 50% of Federal Poverty Level are 1012 (Novato), 1121 (San Rafael: California Park), 1170 (San Anselmo), and 1290 (Marin City).

Key

- Over 13.0%
- 9.1 - 13.0%
- 5.1 - 9.0%
- Under 5.1%
- No Population Age 0-17 Reported
- No Data or Data Suppressed

Populations with Greatest Risk in Marin County

Interviewees and focus group participants emphasized those least able to afford quality housing are the low-income, aging, and youth populations and single mother families in Marin County, and particularly in Canal and West Marin.

Aging Population

- Older adults in Marin County are the “hidden poor,” with limited, fixed incomes, but not eligible for federal support
- Caregivers can’t afford to live in Marin County
- Increasing population of older adults who are homeless because they are priced out of the rental market

Youth

- Unsafe and overcrowded living environment places young people at risk for abuse
- Homeless youth need rehabilitation and residential substance treatment programs
- Abusive home environments lead to homelessness



Economic & Housing Insecurity(continued)

Assets and Recommendations

Examples of Existing Community Assets[†]

Renaissance Center Marin
(Job Development)



Wealth of Marin County



Marin City Community
Development



Community Recommendations for Change[†]

Workforce development

- Support workforce development programs
- Develop employment options for older adults and people with disabilities
- Improve transportation support to jobs

Address rising costs of housing and living

- Political leadership (e.g., County and Health and Human Services) to direct resources towards innovative solutions to addressing affordable housing need (e.g., high-density housing with mixed-incomes and interdependent communities)
- Increase access to affordable child care

Strengthen educational opportunities

- Focus on early childhood education
- Work in collaboration with other sectors (e.g., schools) to break silos and address needs

[†] Assets and recommendations excerpted from qualitative data. For a comprehensive list of county assets and resources, reference <http://211bayarea.org/marin/>.

¹ "Health & Poverty," Institute for Research on Poverty, Accessed October 19, 2015, <http://www.irp.wisc.edu/research/health.htm>.

² Marin County Homeless Point-in-Time Census and Survey, 2015.

³ Marin Grassroots and Center for Community Innovation, UC Berkeley, "Canal: An Immigrant Gateway in San Rafael at Risk," 2015.

⁴ Marin Grassroots and Center for Community Innovation, UC Berkeley, "Marin City: Historic African-American Enclave at Risk," 2015.

⁵ US Census Bureau, American Community Survey, 2010-14.

⁶ US Census Bureau, American Community Survey, 2009-13.

⁷ US Department of Housing and Urban Development, 2013.

⁸ US Census Bureau, American Community Survey, 2009-13.

⁹ Ibid.

¹⁰ Ibid.

¹¹ Ibid.

¹² Ibid.

¹³ Ibid.

¹⁴ Ibid.

¹⁵ California Department of Education, Standardized Testing and Reporting (STAR) Results, 2013.

¹⁶ US Census Bureau, American Community Survey, 2009-13.

¹⁷ Calculated from livingwage.mit.edu; 2015.

¹⁸ US Census Bureau, American Community Survey, 2009-13.



Access to Health Care

Access to comprehensive, affordable, quality physical and mental health care is critical to the prevention, early intervention, and treatment of health conditions. While Marin County scores better than the California state average with respect to many indicators measuring healthcare access, the county continues to work towards providing affordable and culturally competent care for all residents. This area was identified as a health need because indicators measuring the percent of insured population receiving Medi-Cal and the percent of kindergarteners with all required immunizations scored worse than state benchmarks, and because barriers to access including limited physicians accepting public insurance and limited access to specialty care were key themes in focus groups and interviews. With the implementation of the Affordable Care Act (ACA), a majority of adults in Marin County are able to access insurance coverage and access regular healthcare. However, disparities persist. Specifically, lower income residents have difficulty accessing specialty services and mental health services. Additionally, older adults in Marin County – specifically, the “hidden poor” – face challenges in accessing care.

Key Data

Indicators

Percent of Kindergarteners with All Required Immunizations¹



“Many physicians in Marin County are at capacity. They are more likely to fill their schedule with patients that are commercially insured because the **payment rates** are better.”
–Interviewee”

Access to Primary Care Physicians²

Rate Per 100,000 Population



I think **mental health services** still remain a real challenge and that's probably because of the lack of adequate compensation for medical services and the lack of service providers who are willing to see patients in our **vulnerable communities** who carry public insurance.”
– Interviewee

Access to Mental Health Providers³

Rate Per 100,000 Population



Key Themes from Qualitative Data

- As a result of the Affordable Care Act, more Marin residents have health care coverage.
- Low-income residents lack access to mental health services, particularly outpatient services.
- It is more difficult for Medi-Cal patients to access specialty care services.
- There are limitations to dental coverage, it often does not cover prevention services.
- Providers who see low-income patients are at capacity.

Note: California state average estimates are included for reference. Differences between Marin County and California state estimates are not necessarily statistically significant.

Marin County Community Health Needs Assessment



Access to Health Care (continued)

Supporting Data and Key Drivers

Supporting Data

Federally Qualified Health Centers
Rate per 100,000 population⁴

3.96 | 1.97
Marin | California

Lack of Primary Care Professionals
% of population living in a primary care health professional shortage area^{5,†}

0 | 25.2
Marin | California

16,774

Number of approved Covered California applications in Marin County during first and second ACA enrollment periods (January 2014 - February 2015)⁶

Driver: Insurance

Uninsured Population, Adult
% of population without health insurance (age 18-64)⁷

9.7 | 17.3
Marin | California

Uninsured Population, Children
% of child population (<age 19) without health insurance⁸

2.7 | 5.4
Marin | California

Insured Population Receiving Medi-Cal
% of insured population receiving Medi-Cal⁹

19.5 | 14.0
Marin | California

Supporting Data: Indicators of Health Care Access and/or Utilization

Breast Cancer Screening
% of female Medicare enrollees with mammogram in past 2 years¹⁰

65.0 | 59.3
Marin | California

Pap Test
% of females age 18+ with regular pap test (age-adjusted)¹¹

79.0 | 78.3
Marin | California

Colon Cancer Screening
% of adults age 50+ who self-report ever having had a sigmoidoscopy or colonoscopy (age-adjusted)¹²

70.0 | 57.9
Marin | California

Vaccinated Older Adults
% of adults age 65+ who have ever received a pneumonia vaccination¹³

64.3 | 63.4
Marin | California

Preventable Hospital Events
Preventable hospitalization rate among Medicare enrollees, per 1,000 population^{14,††}

30.2 | 45.3
Marin | California

† Primary Care Health Professional Shortage Area (HPSA) is defined as an area with 3,500 or more people per primary care physician (U.S. Department of Health and Human Services, <http://www.hrsa.gov/shortage/>). As a note, there is no generally accepted ratio of physician to population ratio. Care needs of an individual community will vary due to a myriad of factors. Additionally, this indicator does not take into account the availability of additional primary care services provided by Nurse Practitioners and Physician Assistants in an area.

†† This indicator reports the patient discharge rate for conditions that are ambulatory care sensitive (ACS). ACS conditions include pneumonia, dehydration, asthma, diabetes, and other conditions which could have been prevented if adequate primary care resources were available and accessed by those patients.

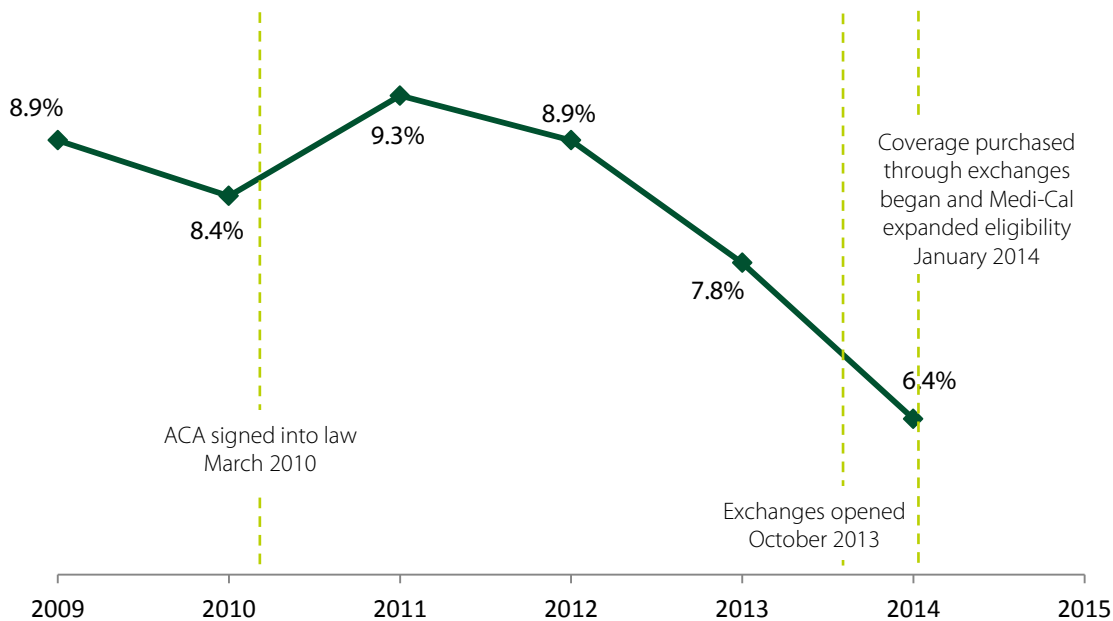


Access to Health Care (continued)

Trends and Disparities

Insurance Status Over Time in Marin County

Percent of Population Uninsured in Marin County ¹⁵



This graph demonstrates yearly estimates of the percent of the total population in Marin County that was uninsured over the previous five years. Since the Covered California Insurance Exchange Marketplace opened in 2013 and coverage through Covered California plans began in 2014, the percent of the population that is uninsured has decreased to 6.4%.

While a greater percentage of the population is insured following health care reform implementation, focus group participants noted challenges to accessing care such as health centers that seem unable to meet high demands and a lack of transportation to health care.

“I think another challenge in Marin, is to go from San Rafael to Novato feels like you’re going to New York. People in San Rafael don’t know Novato is part of Marin County, and Sausalito and the west side, Point Reyes, is way over the hill. It’s broken into pockets, which makes access difficult.”

-Interviewee

Populations with Greatest Risk in Marin County

Age disparities

Older adults in Marin County, particularly the “hidden poor” have less access to health services as a result of isolation, lack of financial resources, and transportation issues.

Other disparities

Lower income residents have difficulty accessing care, particularly specialty care.



Assets and Recommendations

Examples of Existing Community Assets[†]

Community Organizations (e.g., Whistlestop)



Community Clinics and Mobile Clinics



Community Recommendations for Change[†]

- Provide more specialist services
- Provide more mental health services, particularly outpatient services for lower income residents
- Develop models to encourage physicians to see patients with less profitable insurance
- Continue funding and support for adolescent health services
- Enhance transportation opportunities, particularly for older adults

[†] Assets and recommendations excerpted from qualitative data and Marin County CHNA Collaborative Input. For a comprehensive list of county assets and resources, reference <http://211bayarea.org/marin/>.

¹ California Department of Public Health Immunization Branch, Immunization Branch, Kindergarten Assessment Results, 2014-15.

² US Department of Health & Human Services, Health Resources and Services Administration, Area Health Resource File, 2012.

³ University of Wisconsin Population Health Institute, County Health Rankings, 2014.

⁴ US Department of Health & Human Services, Center for Medicare & Medicaid Services, Provider of Services File, 2014.

⁵ US Department of Health & Human Services, Health Resources and Services Administration, Health Resources and Services Administration, 2015.

⁶ Marin County Department of Health and Human Services, 2015.

⁷ US Census Bureau, American Community Survey, 2014.

⁸ Ibid.

⁹ Ibid.

¹⁰ Dartmouth College Institute for Health Policy & Clinical Practice, Dartmouth Atlas of Health Care, 2012.

¹¹ Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health & Human Services, Health Indicators Warehouse, 2006-12.

¹² Ibid.

¹³ Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2006-12.

¹⁴ Dartmouth Atlas of Healthcare, 2012.

¹⁵ US Census Bureau, American Community Survey, 2009-2014.



Mental Health

Mental health includes emotional, behavioral, and social well-being. Poor mental health, including the presence of chronic toxic stress or psychological conditions such as anxiety, depression or Post-Traumatic Stress Disorder, has profound consequences on health behavior choices and physical health.^{1,2} Secondary data identified specific areas in which Marin County residents demonstrate higher need than California residents on average, including suicide rate, taking medicine for an emotional/mental health issue, and reporting needing mental health or substance abuse treatment among adults. Mental health was also raised as a key concern among community members and other key stakeholders, who discussed barriers to accessing treatment among other key themes. Mental health issues frequently co-occur with substance abuse and homelessness. Racial disparities in Marin County are evident, and the Latino population was highlighted in primary data as a population of concern. Youth, older adults and incarcerated individuals were also noted as particularly high-risk populations for mental health concerns.

Key Data

Indicators

Suicide Rate³

Age-adjusted; Per 100,000 Population

HP 2020 Goal: ≤ 10.2



“The number one driver of health issues in Marin is a lack of access to mental health services. It is those services that are short of inpatient psychiatric care. Meaning, whether it’s outpatient psychiatry or a group home or a halfway house or some type of not-locked inpatient unit, more than just seeing someone one hour a week—**there’s a spectrum of services that are needed** and because we don’t have them either at all or in a quantity that is even approaching adequate, problems are allowed to get worse and then what happens is people end up deteriorating. Then they need a locked inpatient psych unit.”

– Interviewee

Percent Taken Medicine for an Emotional/Mental Health Issue in the Past Year⁴

Taken for at least two weeks



“There’s a huge need for mental health support here.”

– Interviewee

Key Themes from Qualitative Data

Barriers to treatment

- Limited outpatient services
- Limited services along the spectrum of care
- Associated stigma, particularly among older adults and immigrants
- Non-acute needs are not met

Awareness

- Placed lower on hierarchy of needs or not grouped with primary care needs

Co-morbidity

- Co-occurrence with prescription drug use or alcoholism

Note: California state average estimates are included for reference. Differences between Marin County and California state estimates are not necessarily statistically significant.



Mental Health (continued)

Supporting Data and Key Drivers

Supporting Data: Mental Health Among Older Adults

Depression, Older Adults

% of Medicare beneficiaries with depression⁵

11.2 | 13.4

Marin | California

Mental or Physical Disability

% of older adults living with a mental, physical, or emotional disability⁶

57.7 | 51.0

Marin | California

Supporting Data: Mental Health Among Youth

Depression, Youth

% of 11th grade students who felt sad or hopeless almost every day for 2 weeks or more⁷

26.7 | 32.5

Marin | California

Suicidal Thoughts, Youth

18.0%

of 11th graders in Marin County have seriously considered suicide in the past 12 months.⁸

Bullying, Youth

% of 11th grade students who report harassment or bullying on school property within the past 12 months for any reason⁹

24.7 | 27.6

Marin | California

"My daughter was bullied a lot, which is what started everything. No matter how much we complained to the school, it just seemed like there was never any assistance. **They made it seem like it was her."**

– Focus group participant

Driver: Access to Mental Health Care

Adults Needing Treatment

% of adults reporting need for treatment for mental health, or use of alcohol/drug^{10, *}

19.5 | 15.9

Marin | California

Mental Health Providers

Rate of mental health providers per 100,000 population¹¹

405.1 | 157.0

Marin | California

"The number one issue is access to care... **It's not an evenly distributed problem.** It is especially true when it comes to mental health services. We have more psychiatrists per capita than any other county but for indigent populations it is almost impossible to find a psychiatrist who will see you on an outpatient basis."

– Interviewee

Driver: Substance Abuse and Homelessness

Drug-Poisoning Deaths

39

Total number of deaths in Marin County due to drug-poisoning in 2011.¹²

Homelessness

1,309

Total number of homeless individuals in Marin County.¹³

*Unstable county estimate; findings should be interpreted with caution.

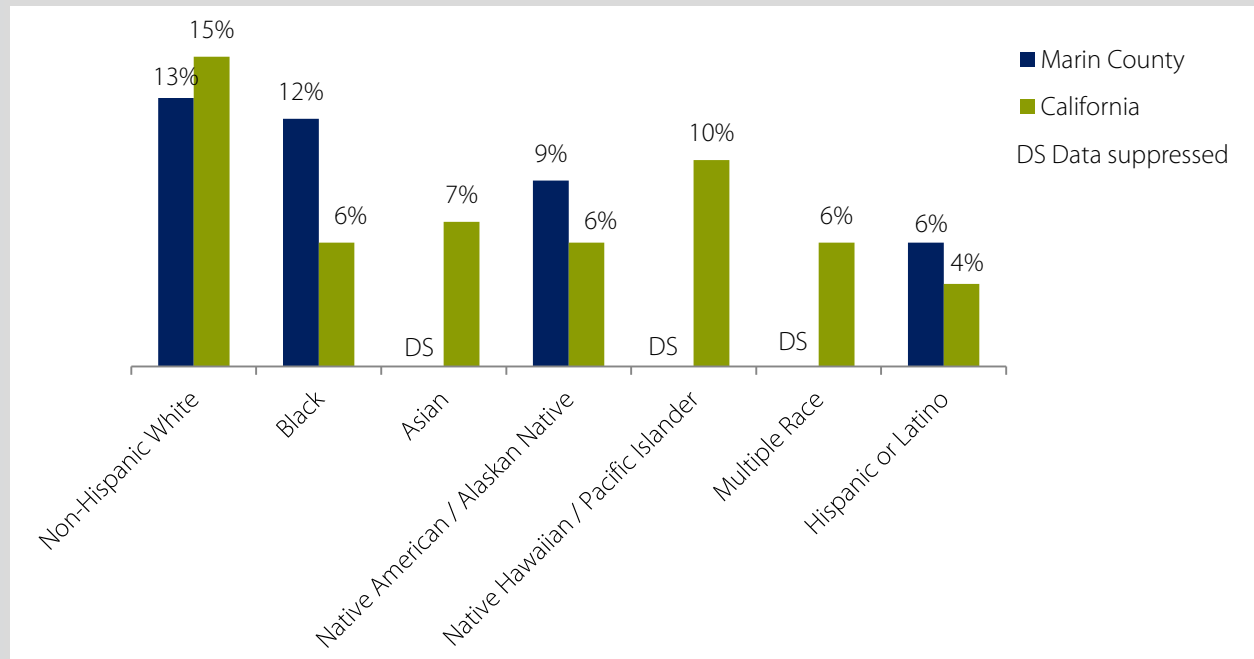


Mental Health (continued)

Populations Disproportionately Affected

Populations with Greatest Risk in Marin County

Suicide Mortality by Race/Ethnicity in Marin County¹⁴



Other Vulnerable Populations Identified in Qualitative Data

Disparities by age:

- **Children 0-5** years old are particularly vulnerable to stress and adversity.
- **Older adults** have less awareness or face greater stigmatization around mental health.
- Older adults living alone may have less social support.

Disparities by geography:

- **Geographically isolated communities** struggle to access resources.
- Residents of **Canal** were noted as a particular community at risk.

Disparities by race/ethnicity:

- **Latino residents** were noted as a population of particularly high risk in interviews and focus groups.

Other notable disparities:

- **Single parents** are less likely to have time to access mental health services, and are more likely to experience high levels of stress.
- **Immigrants** suffer disproportionately from stigma in accessing services.
- **Incarcerated individuals** may not receive adequate mental health care.

Mental Health (continued)

Assets and Recommendations

Examples of Existing Community Assets[†]

Nonprofits



Support Groups



FQHCs / Safety Net Clinics /
Wellness Clinics



Community Recommendations for Change[†]

Increase awareness:

- Increase education about mental health to decrease stigma
- Increase funding for mental health outreach and education (not just direct services)

Increase access to services:

- Increase free or low cost mental health services
- Increase trauma-informed care
- Increase coordinated care
- Bring mental health services closer to Latino communities
- Staff bilingual mental health providers

Work across sectors:

- Address basic needs, including access to affordable housing
- Involve faith-based communities in social service outreach around mental health
- Integrate mental health services into community life
- Link Marin City Jail to social services for mental illness, substance abuse, alcoholism

[†] Assets and recommendations excerpted from qualitative data. For a comprehensive list of county assets and resources, reference <http://211bayarea.org/marin/>.

¹ Chapman DP, Pery GS, Strine TW. "The Vital Link Between Chronic Disease and Depressive Disorders," Preventing Chronic Disease, 2005; 2(1):A14.

² Felitti VJ, Anda RF, Nordenberg D, Williamson DF, Spitz AM, Edwards V, Koss MP, Marks JS, "Relationship of Childhood Abuse and Household Dysfunction to Many of the Leading Causes of Death in Adults: the Adverse Childhood Experiences (ACE) Study." American Journal of Preventive Medicine, 1998; 14:245–258.

³ University of Missouri, Center for Applied Research and Environmental Systems. California Department of Public Health, Death Public Use Data, 2010-12.

⁴ California Health Interview Survey, 2014.

⁵ Centers for Medicare and Medicaid Services, 2012.

⁶ California Health Interview Survey, 2014.

⁷ California Healthy Kids Survey, 2013-14.

⁸ Ibid.

⁹ California Healthy Kids Survey, 2011-13.

¹⁰ California Health Interview Survey, 2014.

¹¹ University of Wisconsin Population Health Institute, County Health Rankings, 2014.

¹² RxSafe Marin Report Card; California Department of Public Health Vital Statistics, 2011.

¹³ Marin County Homeless Point-in-Time Census and Survey, 2015.

¹⁴ University of Missouri, Center for Applied Research and Environmental Systems. California Department of Public Health, Death Public Use Data, 2010-12.

Substance Abuse



Substance abuse, including use or abuse of tobacco, alcohol, prescription drugs, and illegal drugs, can have profound health consequences. Substance abuse was identified as a health need of concern in multiple existing data sources, as well as in interviews and focus groups. In particular, use and abuse of prescription drugs is recognized as a health need of concern. Among youth, percentages of students reporting binge drinking and being “high” from drug use are higher for Marin County than California overall. Interview and focus group participants identified Fairfax, West Marin, and Canal as areas of high risk for drug abuse.

Key Data

Indicators

Percent of Teens Reporting Binge Drinking¹

At least once in month prior

HP 2020 Goal: ≤ 8.6



“[Substance abuse] is a lot more prevalent than people are willing to admit.”

– Interviewee

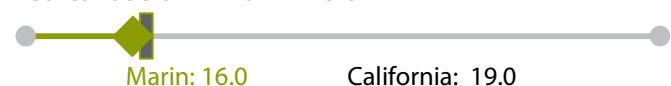
Percent of 11th Grade Students Reporting Being “High” From Drug Use²



“We’ve seen a pretty big increase locally in terms of **number of patients showing up in our department with substance abuse issues**... particularly methamphetamine abuse and use is something we are starting to see a whole lot more of.”

– Interviewee

Percent of 11th Grade Students Reporting Non-Medical use of Rx Painkillers³



“If it was cancer everyone would be talking about it. But with drugs, everyone is zipped shut because of the stigma and shame.”

– Interviewee

Key Themes from Qualitative Data

- Prescription drugs are readily available
- Perceptions that drug use among youth is treated more casually in Marin than elsewhere
- Youth abuse of Adderall or Ritalin, particularly among middle and upper-class youth
- Methamphetamine use
- Stigma as a deterrent to seeking help for substance abuse problems
- Substance abuse issues co-occur with homelessness and mental health issues
- Substance abuse, particularly opioid abuse, used to “self-medicate”

Note: California state average estimates are included for reference. Differences between Marin County and California state estimates are not necessarily statistically significant.

*Unstable estimate; findings should be interpreted with caution.

Substance Abuse (continued)



Supporting Data and Key Drivers

Supporting Data: Substance Abuse Among Youth

Tobacco Use, Youth

% of 11th grade students using cigarettes any time within last 30 days⁴

12.1 | 10.2
Marin | California

Driving Under Influence, Youth

% of 11th grade students reporting driving after drinking (respondent or by friend)⁵

24.2 | 23.0
Marin | California

Marijuana Use, Youth

% of 11th grade students reporting marijuana use within the last 30 days⁶

32.8 | 22.0
Marin | California

Supporting Data: Tobacco and Alcohol Use

Tobacco Use

% of population smoking cigarettes (age adjusted)⁷

11.0 | 12.8
Marin | California

Alcohol-related Arrests

Rate of arrests for alcohol related offenses (per 100,000)⁸

1,501.0 | 1,203.0
Marin | California

Alcohol Access

Liquor store rate (per 100,000)⁹

8.7 | 10.0
Marin | California

Supporting Data: Drug Use

Total Deaths

Drug poisoning deaths (total)¹⁰

39 | 21
Marin 2013 | Marin 2011

Unintentional Deaths

Drug poisoning deaths (unintentional)¹¹

27 | 13
Marin 2013 | Marin 2011

Leftover Prescription Drugs¹²

45.4

% of RxSafe Marin Survey respondents had pills leftover from last pain medication prescription

61.7

% of those with pills leftover kept, sold, or gave away the leftover pills

25.0

% of RxSafe Marin Survey respondents reported having expired, unused or leftover prescription medication in their home currently

Narcotic Drug Use

Median number of pills per narcotic prescription¹³

56 | 45
Marin 2013 | Marin 2011

Access to Prescription Drugs

48.1

% of RxSafe Marin Survey respondents think it would be very or somewhat easy to obtain prescription pain, sleep, or calming medication from a doctor in their community¹⁴

Key Themes About Drivers

- Social isolation and a lack of activities are drivers of substance abuse
- Untreated mental health problems are drivers of substance abuse
- Substance abuse problems are drivers of poor health outcomes
- Lower income individuals have fewer resources for recovery

“Substance abuse is a huge issue but I put it in a bucket with mental health issues, because frequently [...] there’s a connection there [...]”

-Interviewee

Substance Abuse (continued)



Populations Disproportionately Affected, Assets, and Recommendations

Geographic Areas with Greatest Risk in Marin County

Interviewees and focus group attendees indicated that **Fairfax, West Marin, and Canal** are areas of high concern for substance abuse issues.

Populations with Greatest Risk in Marin County

Residents who do not have the financial resources to obtain expensive rehabilitation treatment, but whose income is too high to qualify for public programs and low-income treatment options, were identified as a population of high concern.

Examples of Existing Community Assets[†]

Non-Medical Detoxification Programs
(e.g., Vine Detoxification Program)



Outpatient and Residential Treatment Centers
(e.g., Marin Treatment Center, Center Point)



Community Recommendations for Change[†]

“There’s the whole issue of **harm reduction versus recovery**. Sometimes you have to make sacrifices. I used to go to the needle exchange. Some people would say they’re facilitating my using, but it helped me from catching Hepatitis C and A.”

– Focus Group Participant

- Look to other county models of addressing substance abuse, particularly those that embrace partnerships among community organizations including schools
- Increase in activities for youth, particularly at night
- Parent education and outreach related to youth substance abuse
- There is a need for recovery programs for women
- Need for medically assisted detox facility

“[We] should be looking at **models where agencies are partnering** with preschool, schools, health care centers, wellness centers, where they are physically on site.”

-Interviewee

[†] Assets and recommendations excerpted from qualitative data and Marin County CHNA Collaborative. For a comprehensive list of county assets and resources, reference <http://211bayarea.org/marin/>.

¹ California Health Interview Survey, 2014.

² California Healthy Kids Survey, 2011-13.

³ Ibid.

⁴ Ibid.

⁵ Ibid.

⁶ Ibid.

⁷ Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health & Human Services, Health Indicators Warehouse, 2006-12.

⁸ California Community Prevention Initiative (CPI), 2008.

⁹ US Census Bureau, County Business Patterns. Additional data analysis by CARES, 2012.

¹⁰ California Department of Public Health (CDPH) Vital Statistics. Accessed via RxSafe Marin Report Card, 2011, 2013.

¹¹ Ibid.

¹² RxSafe Marin County Survey, 2015.

¹³ RxSafe Marin; Controlled Substance Utilization Review and Evaluation System (CURES), California Prescription Drug Monitoring Program (PDMP), 2013.

¹⁴ RxSafe Marin County Survey, 2015.



Oral Health

Tooth and gum disease can lead to multiple health problems such as oral and facial pain, problems with the heart and other major organs, as well as digestion problems.¹ Oral health was identified as a health need because secondary data indicate that many adults, particularly adults older than 65, do not have dental insurance coverage and many find it difficult to afford dental care. Oral health care access also arose as a key theme in primary data; some key informants shared that oral health access may have increased slightly in West Marin with the Coastal Health Alliance’s new full-time Dental Clinic, but it is still not enough, particularly for underserved populations. Additionally, key informants and focus group participants report that dental insurance is limited and specialty care is not affordable.

Key Data

Indicators	
<p>Percent of Adults with Poor Dental Health²</p> <p>Marin: 6.2 California: 11.3</p>	<p>“Oral health was not really included in the expansion of the ACA. People will have real barriers to oral health and prevention, for sure.”</p> <p>– Interviewee</p>
<p>Percent of Adults without Dental Exam in the last 12 months³</p> <p>Marin: 18.4 California: 30.5</p>	<p>“Dental [is a need]—each cleaning is 300 to 500 dollars. The problem is that I have no access to and no longer have dental [insurance]...there is much information on doctors or clinics. In the dental part, there is no information.”</p> <p>– Focus Group Participant</p>
<p>Percent of Youth Age 2-11 without Dental Exam in the Past 12 Months⁴</p> <p>Marin: 7.8* California: 9.9</p>	
Key Themes from Qualitative Data	Populations at Greatest Risk in Marin County
<ul style="list-style-type: none"> - Specialty dental care is not affordable. There is coverage to extract a tooth but not specialty care to prevent extractions or other issues related to poor oral health. - Community Clinic and other providers are not able to meet the demand for affordable care. 	<p>Data regarding oral health is not available at the sub-county level to identify whether specific communities are more impacted than others. However, key informants shared that oral health care is particularly challenging for underserved populations, particularly those without dental insurance coverage.</p>

*Unstable estimate; findings should be interpreted with caution.

Note: California state average estimates are included for reference. Differences between Marin County and California state estimates are not necessarily statistically significant.



Supporting Data and Key Drivers

Supporting Data: Access to Care

Access to Providers

Dentists, Rate per 100,000 population⁵



Lack of Oral Health Professionals

% of population living in Health Professional Shortage Area (HPSA)- Dental⁶



Dental Care Affordability, Youth

% of population age 5-17 unable to afford dental care^{7,}*



Supporting Data: Dental Insurance Coverage

Dental Insurance, Older Adult

% of adults age 65+ with dental insurance⁸



Dental Insurance, Adult

% adults with dental insurance⁹



Driver: Health Behaviors

Children with Inadequate Nutrition

% population age 2-13 with inadequate fruit/vegetable consumption¹⁰



Adults with Inadequate Nutrition

% adults with inadequate fruit/vegetable consumption¹¹



Driver: Social and Economic Risks

Children in Poverty

% of children under age 18 living below 200% of Federal Poverty Level¹²



Population in Poverty

% of population living below 200% of Federal Poverty Level¹³



*Unstable estimate; findings should be interpreted with caution.



Assets and Recommendations

Examples of Existing Community Assets[†]

Marin Dental Clinics



Oral Health Prevention and Education Efforts



Community Recommendations for Change[†]

- Co-locate dental care within community health centers
- Support a dental mobile van or mobile clinic

[†] Assets and recommendations excerpted from qualitative data and Marin County CHNA Collaborative. For a comprehensive list of county assets and resources, reference <http://211bayarea.org/marin/>.

¹ "Healthy Smile, Healthy You: The Importance of Oral Health," Delta Dental Insurance, accessed October 28, 2015, https://www.deltadentalins.com/oral_health/dentalhealth.html

² Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES, 2006-10.

³ California Health Interview Survey, 2013-14.

⁴ Ibid.

⁵ US Department of Health & Human Services, Health Resources and Services Administration, Area Health Resource File, 2013.

⁶ US Department of Health & Human Services, Health Resources and Services Administration, Health Professional Shortage Areas, March 2015.

⁷ California Health Interview Survey, 2009.

⁸ California Health Interview Survey, 2007.

⁹ California Health Interview Survey, 2013-14.

¹⁰ Ibid.

¹¹ Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse, 2005-09.

¹² US Census Bureau, American Community Survey, 2009-13.

¹³ Ibid.



Violence and Unintentional Injury

Violence and injury prevention are broad topics that cover many issues including motor vehicle accidents, drowning, overdose, and assault or abuse, among others. In Marin County, this area was identified as a health need because of data related to domestic violence, as well as key drivers of violence such as alcohol abuse. Additionally, racial disparities in intimate partner violence and homicide exist. Marin County also experiences high rates of unintentional injury mortality and drunk driving among youth. Violence and injury also arose as a health need through key themes in interviews and focus groups as well. Community residents and other key stakeholders identified mental health and substance abuse as drivers of unintentional injury and injury due to violence.

Key Data

Indicators

Unintentional Injury Mortality Rate¹

Age-adjusted, per 100,000 residents

HP 2020 Goal: ≤ 36.4



Percent of Adults Reporting Experiencing Sexual or Physical Violence by an Intimate Partner Since Age 18²



Suicide Rate³

Age-adjusted, per 100,000 residents

HP 2020 Goal: ≤ 10.2



“Women who are going through that endure it because **what happens in the family stays here**, all families have that stress. And if there is a problem no one knows about it, and the problem continues to grow.”
 – Focus Group Participant

“**Safety in the family is a huge issue.** People come from a culture that may be more male dominant, and it’s easier here for women to find work than men. They **turn to alcohol and sometimes to being abusive.**”
 – Interviewee

Key Themes from Qualitative Data

Family Violence

- Domestic violence prevalent in the county
- Violent homes can be difficult to escape; women face stigma in telling others about violence at home

Community Violence

- Gang violence was a theme among specific geographic regions, including in Canal
- Drunk driving is an issue among youth
- In some communities, distrust of law enforcement perpetuates violence



Note: California state average estimates are included for reference. Differences between Marin County and California state estimates are not necessarily statistically significant.



Violence and Unintentional Injury (continued)

Supporting Data and Key Drivers

Supporting Data: Family Violence

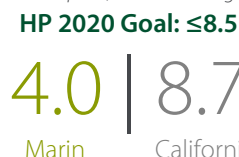
Rate of Calls for Assistance
Domestic violence calls per 1,000 population⁴



Domestic Violence Injuries Rate
Rate among females age 10+ per 100,000^{5,†}



Child Abuse
Rate of substantiated claims of child maltreatment per 1,000 children age 0-17⁶



Driver: Alcohol Abuse

Excessive Drinking, Adult
% of adults estimated to be drinking excessively, age-adjusted⁷

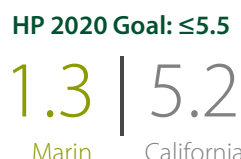


“When you look at alcohol consumption, our biggest issue is the amount people drink, not just children but adults. Fortunately we have clogged freeways so we don’t see traffic accidents [due to drunk driving] that other areas see but we **do have violence and alcohol [issues]**, even suicide is extremely important.”

– Interviewee

Supporting Data: Community Violence

Homicide
Age-adjusted mortality rate per 100,000 residents⁸



Violent Crime
Rate per 100,000 population⁹



“**We have an issue with the police in Marin City- an issue with harassment.** ... [My daughter] was stopped the other day because the police could not read the [car] tag. It brought up a lot of anxiety, PTSD (post-traumatic stress), for her and her children. [Perception is] the police’s job is to train people how to hand cuff people.”

– Focus Group Participant

Supporting Data: Injury and Violence Among Youth

Drunk Driving, Youth
% of 11th grade students reporting driving after drinking (respondent or by friend)¹⁰



Gang Activity, Youth
% of 11th grade students reporting current gang involvement¹¹



† This indicator reports the rate of non-fatal emergency department visits coded as “batter by spouse/partner” (ICD-9 classification E-9673). These rates are likely underestimates (e.g., because not all crimes are reported, and not everyone goes to the hospital for domestic violence injuries for a variety of reason).

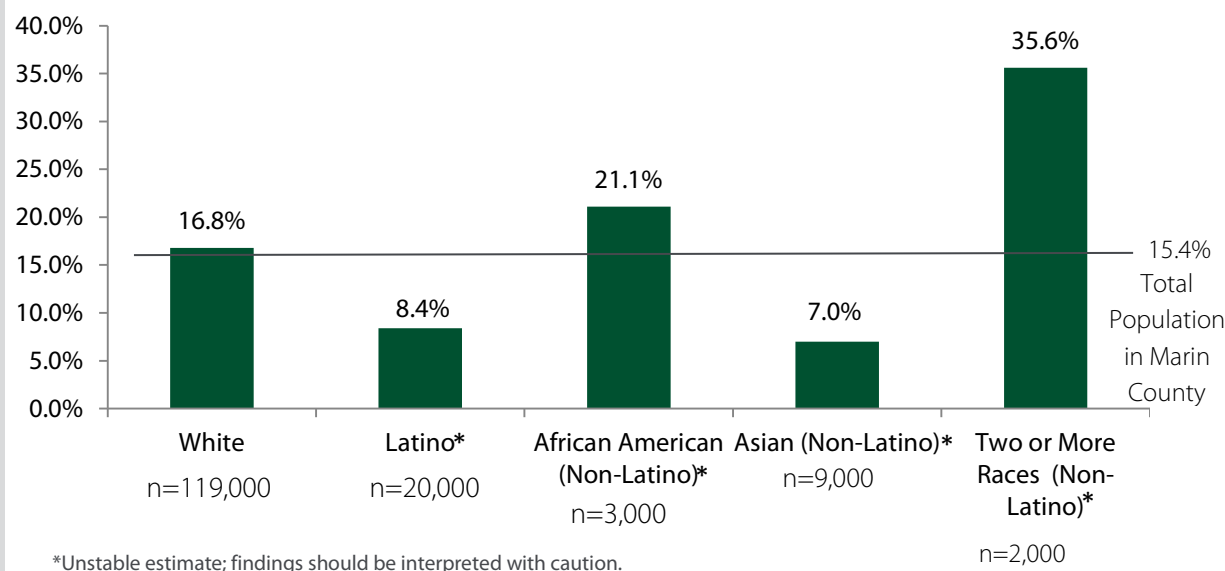


Violence and Unintentional Injury (continued)

Populations Disproportionately Affected

Disparities in Family Violence in Marin County by Race/Ethnicity

% of Adults Reporting Ever Having Experienced Physical or Sexual Violence by an Intimate Partner Since Age 18¹²



Disparities in Community Violence in Marin County

While local data on homicide mortality is not available for all racial and ethnic subgroups due to small sample size, **Non-Hispanic Blacks** in Marin County suffer a disproportionately high homicide mortality rate (4.9 per 100,000 residents) compared to the average across racial/ethnic subpopulations (1.5 per 100,000 residents).¹³ This trend mirrors the disparity in homicide rates demonstrated across California.¹⁴

Geographic disparities may also exist in the impact of community violence across Marin County. Residents in **Marin City** in particular noted police harassment as a significant concern in their community. **Canal** was mentioned as a region with particularly high gang violence; **San Rafael High School** was also noted as having a reputation for youth in gangs.



Assets

Examples of Existing Community Assets[†]

Law enforcement agencies, victim assistance through the District Attorney's Office, and Domestic Violence and Sexual Assault Crisis Providers



Coalition of Schools / Department of Education



Coordinated Community Resources Network (community based agencies, law enforcement, and other government agencies who work together to strengthen response systems)



[†] Assets excerpted from qualitative data and Marin County CHNA Collaborative. For a comprehensive list of county assets and resources, reference <http://211bayarea.org/marin/>.

¹ Centers for Disease Control and Prevention, National Vital Statistics System, 2011-13.

² California Health Interview Survey, 2009.

³ University of Missouri, Center for Applied Research and Environmental Systems. California Department of Public Health, Death Public Use Data, 2010-12.

⁴ California Department of Justice, Criminal Justice Statistics Center. Accessed via Kidsdata.org, 2013.

⁵ 3-year averages for 2011-2013 generated using the California EpiCenter data platform for Overall Injury Surveillance, 2011-13.

⁶ California Child Welfare Indicators Project (CCWIP), 2014.

⁷ Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators, 2006-12.

⁸ University of Missouri, Center for Applied Research and Environmental Systems. California Department of Public Health, Death Public Use Data, 2010-12.

⁹ Federal Bureau of Investigation, FBI Uniform Crime Reports. Additional analysis by the National Archive of Criminal Justice Data. Accessed via the Inter-university Consortium for Political and Social Research, 2010-12.

¹⁰ California Department of Education, California Healthy Kids Survey and California Student Survey (WestEd), 2011-13.

¹¹ Ibid.

¹² University of California Center for Health Policy Research, California Health Interview Survey, 2009.

¹³ University of Missouri, Center for Applied Research and Environmental Systems. California Department of Public Health, Death Public Use Data, 2010-12.

¹⁴ Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2009-13.

Appendix B. Secondary Data, Sources, and Years

Health Indicators								Benchmark					Needs Score			Data Details									
Potential Health Needs	Core/ Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable		
Access to Care	Core	Dentists, Rate per 100,000 Pop.	Access to Dentists	Clinical Care	Rate	258,365	n/a		77.5	63.2	State		Above benchmark	106.1	28.6	US Department of Health & Human Services			2013	2013	2013				
		Primary Care Physicians, Rate per 100,000 Pop.	Access to Primary Care	Clinical Care	Rate	256,069	n/a		77.3	74.5	State		Above benchmark	142.9	65.68	US Department of Health & Human Services			2012	2012	2012				
		Number of approved Medicaid applications during first and second ACA enrollment periods (Jan 2014 - April 2015)	n/a	Clinical Care	Number					no data	no data	n/a		n/a	14277	n/a	Marin County Department of Health							2014-15	
		Number of approved Covered California applications during first and second ACA enrollment periods (Jan 2014 - April 2015)	n/a	Clinical Care	Number					no data	no data	n/a		n/a	16774	n/a	Marin County Department of Health							2014-15	
		Percentage of new managed Medicaid members who enrolled between July 2014 and March 2015 who were Mental Health Care Provider Rate (Per 100,000 Population)	n/a	Clinical Care	Percentage					no data	no data	n/a		n/a	45.5%	n/a	Department of Health Partnership Healthplan of University of Wisconsin Population			2014	2014	2014			
	Related	Access to Care	Percent of child population without health insurance (<age 18)	n/a	Social and Economic Factors	Percentage	53,783	n/a		5.4%	6.0%	State		Below benchmark	2.7%	-2.70%	US Census Bureau, American Community California Health			2014	2014	2014			
			Percent of adults age 65+ with dental insurance for all or part of past year	n/a	Clinical Care	Percentage	37,000	n/a		52.7%	no data	State		Above benchmark	46.6%	-6.10%	Interview Survey			2007		2007			
			Percent of adult population without health insurance (age 18-64)	n/a	Social and Economic Factors	Percentage	153,255	n/a		17.3%	16.3%	State		Below benchmark	9.7%	-7.60%	US Census Bureau, American Community			2014	2014	2014			
			Percent of population without health insurance	n/a	Social and Economic Factors	Percentage	248,491	n/a		17.8%	14.9%	State		Below benchmark	8.9%	-8.90%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
			Percent of population receiving MediCal/Medicaid	n/a	Social and Economic Factors	Percentage		n/a		14.0%	no data	State		Below benchmark	19.5%	5.50%	US Census Bureau, American Community			2014		2014			
			Percent of kindergarteners with all required immunizations	n/a	Clinical Care	Percentage		>=95.0		90.4%	no data	State		Above benchmark	84.2%	-6.20%	CDPH Immunization Branch (data accessed Centers for Disease			2015		2009-14			
			Percentage of adults age 65+ who have ever received a pneumonia vaccination	n/a	Clinical Care	Percentage				63.4%	67.5%	State		Below benchmark	64.3%	0.90%	Control and			2006-12	2006-12				
			Percent Uninsured Population	n/a	Social & Economic Factors	Percentage	248,491	n/a		17.8%	14.9%	State		Below benchmark	8.9%	-8.87%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
			Federally Qualified Health Centers, Rate per 100,000 Population	n/a	Clinical Care	Rate	252,409	n/a		2.0	1.9	State		Above benchmark	4.0	1.99	US Department of Health & Human			2014	2014	2014			
			Percentage of Population Living in a HPSA	n/a	Clinical Care	Percentage	252,409	n/a		25.2%	34.1%	State		Below benchmark	0.0%	-25.18%	US Department of Health & Human			2015	2015	2015			
			Preventable Hospital Events Discharge Rate (Per 10,000 Pop.; Age-Adjusted)	n/a	Clinical Care	Rate	no data	n/a		83.2	no data	State		Below benchmark	44.8	-38.42	California Office of Statewide Health			2011		2011			
			Preventable hospitalization rate among Medicare enrollees / preventable hospital events per 1,000	n/a	Clinical Care	Rate				45.3	59.3	State		Below benchmark	30.2	-15.1	Dartmouth Atlas of Health Care			2012	2012	2012			
			Percent of Insured Population Receiving Medicaid	n/a	Social & Economic Factors	Percentage	248,491	n/a		23.4%	20.2%	State		Below benchmark	10.4%	-12.98%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
			Percentage of Population Living in a HPSA	n/a	Clinical Care	Percentage	252,409	n/a		4.9%	32.0%	State		Below benchmark	0.0%	-4.93%	US Department of Health & Human			2015	2015	2015			
			Percent Female Medicare Enrollees with Mammogram in Past 2 Year	n/a	Clinical Care	Percentage	2,189	n/a		59.3%	63.0%	State		Above benchmark	65.0%	5.71%	Dartmouth College Institute for Health			2012	2012	2012			
	Percent Adults Females Age 18+ with Regular Pap Test (Age-Adjusted)	n/a	Clinical Care	Percentage	162,215	n/a		78.3%	78.5%	State		Above benchmark	79.0%	0.70%	Centers for Disease Control and			2006-12	2006-12	2006-12					
	Percent Adults Screened for Colon Cancer (Age-Adjusted)	n/a	Clinical Care	Percentage	80,384	n/a		57.9%	61.3%	State		Below benchmark	70.0%	12.10%	Centers for Disease Control and			2006-12	2006-12	2006-12					
	Access to Housing	Core	Vacant Housing Units, Percent	Housing - Vacant Housing	Physical Environment	Percentage	111,351	n/a		8.6%	12.5%	State		Below benchmark	7.6%	-1.05%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
			Percent of owner-occupied housing units where costs exceed 30% of household income	n/a	Social and Economic Factors	Percentage	64,596	n/a		39.3%	28.5%	State		Below benchmark	38.3%	-1.01%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
			Percent of renter-occupied housing units where rent/utilities exceeds 30% of household income	n/a	Social and Economic Factors	Percentage	38,316	n/a		57.2%	52.3%	State		Below benchmark	56.0%	-1.20%	US Census Bureau, American Community			2010-14	2010-14	2010-14			
Percent Occupied Housing Units with One or More Substandard Conditions			n/a	Physical Environment	Percentage	102,912	n/a		48.4%	36.1%	State		Below benchmark	44.1%	-4.25%	US Census Bureau, American Community			2009-13	2009-13	2009-13				
Related		Access to Housing	HUD-Assisted Units, Rate per 10,000 Housing Units	Housing - Assisted	Physical Environment	Rate	204,572	n/a		368.3	384.3	State		Below benchmark	351.0	-17.35	US Department of Housing and Urban			2013	2013	2013			
			Total number of homeless individuals	n/a	Social and Economic Factors	Number				no data	no data	n/a		n/a	1309	n/a	Marin County Homeless Point-in-							2015	
			Total number of unsheltered homeless individuals	n/a	Social and Economic Factors	Number				no data	no data	n/a		n/a	835	n/a	Marin County Homeless Point-in-							2015	
			Percent of renter-occupied housing units where rent/utilities exceeds 30% of household income	n/a	Social and Economic Factors	Percentage				54.1%	48.3%	State		Below benchmark	53.2%	-0.90%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
Core	Prevalence	Percent Adults with Asthma	Asthma - Prevalence	Health Outcomes	Percentage	187,509	n/a		14.2%	13.4%	State		Below benchmark	13.8%	-0.41%	Centers for Disease Control and			2011-12	2011-12	2011-12				
		Percent of children age 2-18 ever diagnosed with asthma	n/a	Health Outcomes	Percentage	52,000	n/a		15.7%	no data	State		Below benchmark	9.8%	-5.90%	California Health Interview Survey			2014		2014			x	
		Tuberculosis incidence per 100,000 population	n/a	Health Outcomes	Rate		<=1.0		5.9	no data	State		Below benchmark	5.2	-0.7	California Department of Public Health /			2013		2013				
		Asthma Hospitalization Discharge Rate (Per 10,000 Pop.; Age-Adjusted)	n/a	Health Outcomes	Rate	no data	n/a		8.9	no data	State		Below benchmark	2.9	-6.01	California Office of Statewide Health			2011		2011				

Health Indicators								Benchmark					Needs Score			Data Details							
Potential Health Needs	Core/Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable
Asthma and COPD	Related	Percent Occupied Housing Units with One or More Substandard Conditions	Housing - Substandard	Physical Environment	Percentage	102,912	n/a			48.4%	36.1%	State	Below benchmark	44.1%	-4.25%	US Census Bureau, American Community			2011-12	2011-12	2011-12		
		Chronic lower respiratory disease mortality rate (age-adjusted), per 100,000 population	n/a	Health Outcomes	Rate					35.5	42.1	State	Below benchmark	21.6	-13.9	California Department of Public Health;			2011-13	2011-13	2011-13		
		Percentage of Days Exceeding Ozone Standards, Pop. Adjusted Average	Air Quality - Ozone (O3)	Physical Environment	Percentage	252,409	n/a			2.5%	0.5%	State	Below benchmark	0.0%	-2.47%	Centers for Disease Control and			2008	2008	2008		
		Percent Population Smoking Cigarettes(Age-Adjusted) Cigarette Expenditures, Percentage of Total Household Expenditures	Tobacco Usage Tobacco Expenditures	Health Behaviors	Percentage	198,881	n/a			12.8%	18.1%	State	Below benchmark	11.0%	-1.80%	Centers for Disease Control and			2006-12	2006-12	2006-12		
		Percentage of Days Exceeding Particulate Matter Standards, Pop. Adjusted Average	Air Quality - Particulate	Physical Environment	Percentage	no data	n/a			1.0%	1.6%	State	Below benchmark	suppressed	n/a	Nielsen SiteReports			2014	2014	2014		
		Percent Adults with BMI > 30.0 (Obese)	Obesity (Adult) Overweight	Health Outcomes	Percentage	252,409	n/a			4.2%	1.2%	State	Below benchmark	5.2%	1.05%	Centers for Disease Control and			2008	2008	2008		
		Percent Adults Overweight	Obesity (Adult) Overweight	Health Outcomes	Percentage	197,845	n/a			22.3%	27.1%	State	Below benchmark	17.5%	-4.82%	Centers for Disease Control and			2012	2012	2012		
Core	Core	Percent Obese Among Children (grades 5, 7, 9)	Obesity (Youth) Overweight	Health Outcomes	Percentage	181,818	n/a			35.9%	35.8%	State	Below benchmark	30.8%	-5.01%	Centers for Disease Control and			2011-12	2011-12	2011-12		
		Percent Overweight Among Children (grades 5, 7, 9)	Obesity (Youth) Overweight	Health Outcomes	Percentage	7,276	n/a			19.0%	no data	State	Below benchmark	8.9%	-10.11%	California Department of Education,			2013-14		2013-14		
		Annual Breast Cancer Incidence Rate (Per 100,000 Pop.)	Cancer Incidence -	Health Outcomes	Rate	127,211	<= 40.9			122.4	122.7	State	Below benchmark	143.7	21.3	National Institutes of Health, National			2007-11	2007-11	2007-11		
		Colorectal cancer mortality rate (age-adjusted)	n/a	Health Outcomes	Rate					13.9	no data	State	Below benchmark	10.3	-3.6	California Department of Public Health			2011-13		2011-13		
		Breast cancer mortality rate (age-adjusted)	n/a	Health Outcomes	Rate					20.7	no data	State	Below benchmark	18.2	-2.5	California Department of Public Health			2011-13		2011-13		
		Lung cancer mortality rate (age-adjusted)	n/a	Health Outcomes	Rate					33.6	no data	State	Below benchmark	28.6	-5	California Department of Public Health			2011-13		2011-13		
		Prostate cancer mortality rate (age-adjusted) Cancer, Age-Adjusted Mortality Rate (per 100,000 Population)	n/a Mortality - Cancer	Health Outcomes	Rate	252,409	<= 160.6			20.2	no data	State	Below benchmark	16.2	-4	University of Missouri,Center for			2011-13		2011-13		
Cancers	Core	Annual Cervical Cancer Incidence Rate (Per 100,000 Pop.)	Cancer Incidence -	Health Outcomes	Rate	127,211	<= 7.1			157.1	no data	State	Below benchmark	146.7	-10.42	National Institutes of Health,National			2010-12		2010-12		
		Annual Colon and Rectum Cancer Incidence Rate (Per 100,000 Pop.)	Cancer Incidence -	Health Outcomes	Rate	127,211	<= 38.7			7.8	7.8	State	Below benchmark	5	-2.8	National Institutes of Health,National			2007-11	2007-11	2007-11		
		Annual Prostate Cancer Incidence Rate (Per 100,000 Pop.)	Cancer Incidence -	Health Outcomes	Rate	250,666	<= 38.7			41.5	43.3	State	Below benchmark	40.4	-1.1	National Institutes of Health,National			2007-11	2007-11	2007-11		
		Annual Invasive Melanoma Incidence Rate Among Males (Per 100,000 Pop.; age-adjusted)	Cancer Incidence -	Health Outcomes	Rate	123,455	n/a			136.4	142.3	State	Below benchmark	174.2	37.8	National Institutes of Health,National			2007-11	2007-11	2007-11		
		Annual Invasive Melanoma Incidence Rate Among Females (Per 100,000 Pop.; age-adjusted)	Cancer Incidence -	Health Outcomes	Rate		n/a			186.6	no data	State	Below benchmark	351.9	165.3	Melanoma incidence in Marin County,			2011		2011		
		Annual Lung Cancer Incidence Rate (Per 100,000 Pop.)	Cancer Incidence - Lung	Health Outcomes	Rate	250,666	n/a			65.6	no data	State	Below benchmark	152.4	86.8	Melanoma incidence in Marin County, National Institutes of Health,National			2011		2011		
		Estimated Adults Drinking Excessively Age-Adjusted Percentage)	Alcohol - Excessive	Health Behaviors	Percentage	198,881	n/a			17.2%	16.9%	State	Below benchmark	19.5%	2.30%	Centers for Disease Control and			2006-12	2006-12	2006-12		
		Alcoholic Beverage Expenditures, Percentage of Total Food-At-Home Expenditures	Alcohol - Expenditures	Health Behaviors	Percentage	no data	n/a			12.9%	14.3%	State	Below benchmark	suppressed	n/a	Nielsen Site Reports			2014	2014	2014		
		Liquor Stores, Rate (Per 100,000 Population)	Access Overweight	Physical Environment	Rate	252,409	n/a			1002.0%	1035.0%	State	Below benchmark	872.0%	-1.3	US Census Bureau,County			2012	2012	2012		
		Percent Adults Overweight	Access Overweight (Adult)	Health Outcomes	Percentage	181,818	n/a			35.9%	35.8%	State	Below benchmark	30.8%	-5.01%	Centers for Disease Control and			2011-12	2011-12	2011-12		
		Percent Adults with BMI > 30.0 (Obese)	Obesity (Adult)	Health Outcomes	Percentage	197,845	n/a			22.3%	27.1%	State	Below benchmark	17.5%	-4.82%	Centers for Disease Control and			2012	2012	2012		
		Percent of women age 55+ with mammogram in past 2 years	n/a	Clinical Care	Percentage	51,000				83.9%	81.2%	State	Below benchmark	88.2%	4.30%	California Health Interview Survey			2012	2007	2012		x
		Percent Female Medicare Enrollees with Mammogram in Past 2 Year	Cancer Screening - Low	Clinical Care	Percentage	2,189	n/a			59.3%	63.0%	State	Below benchmark	65.0%	5.71%	Dartmouth College Institute for Health			2012	2012	2012		
		Percent Adults with Inadequate Fruit / Vegetable Consumption	Fruit/Vegetable	Health Behaviors	Percentage	196,267	n/a			71.5%	75.7%	State	Below benchmark	64.3%	-7.20%	Centers for Disease Control and			2005-09	2005-09	2005-09		
		Fruit / Vegetable Expenditures, Percentage of Total Food-At-Home Expenditures	Fruit/Vegetable Expenditures	Health Behaviors	Percentage	no data	n/a			14.1%	12.7%	State	Below benchmark	suppressed	n/a	Nielsen Site Reports			2014	2014	2014		
Percent Population with Low Food Access	Food Desert	Social & Economic Factors	Percentage	252,409	n/a			14.3%	23.6%	State	Below benchmark	17.1%	2.74%	US Department of Agriculture,Economic			2010	2010	2010				
Percent Population Smoking Cigarettes(Age-Adjusted)	Tobacco Usage	Health Behaviors	Percentage	198,881	n/a			12.8%	18.1%	State	Below benchmark	11.0%	-1.80%	Centers for Disease Control and			2006-12	2006-12	2006-12				
Related	Related	Percent of adults currently or formerly using tobacco Cigarette Expenditures, Percentage of Total Household Expenditures	n/a Tobacco Expenditures	Health Behaviors	Percentage	no data	n/a			no data	37.0%	National	Below benchmark	44.2%	7.20%	Centers for Disease Control and			2011-12		2008		
		Percent Adults Females Age 18+ with Regular Pap Test(Age-Adjusted)	Cancer Screening - Pap	Clinical Care	Percentage	162,215	n/a			1.0%	1.6%	State	Below benchmark	suppressed	n/a	Nielsen Site Reports			2014	2014	2014		
		Percent Population with no Leisure Time Physical Activity	Physical In/activity	Health Behaviors	Percentage	198,426	n/a			78.3%	78.5%	State	Below benchmark	79.0%	0.70%	Centers for Disease Control and			2006-12	2006-12	2006-12		

Health Indicators								Benchmark					Needs Score			Data Details								
Potential Health Needs	Core/Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable	
		Percent Adults Screened for Colon Cancer (Age-Adjusted)	Cancer Screening -	Clinical Care	Percentage	80,384	n/a			57.9%	61.3%	State	Above benchmark	70.0%	12.10%	Centers for Disease Control and California Department of Pesticide			2006-12	2006-12	2006-12			
		Rank of pesticides use among California counties	n/a	Physical Environment	Rank					n/a	n/a	State	n/a	45.00	n/a							2013		
		Pounds of pesticides applied and rank among California counties	n/a	Physical Environment	Number					193,597,806	n/a	n/a	n/a	84,836	n/a					2013		2013		
		Percentage of Days Exceeding Particulate Matter Standards, Pop. Adjusted Average	Air Quality - Particulate	Physical Environment	Percentage	252,409	n/a			4.2%	1.2%	State	n/a	5.2%	1.05%	Centers for Disease Control and			2008	2008	2008			
Child Mental and Emotional Development	Core	Percent of children age 3-4 enrolled in school (includes Head Start, licensed child care, nurseries, Pre-K, Head Start Programs Rate (Per 10,000 Children Under Age 5)	n/a	Social and Economic Factors	Percentage	no data			47.8%	47.1%	State	Above benchmark	66.2%	18.40%	US Census Bureau, American Community			2014	2014	2014				
		3rd grade reading proficiency (Percentage of all public school students tested in 3rd grade who scored	n/a	Social and Economic Factors	Rate	13932				6.34	7.62	State	Above benchmark	6.46	0.12	US Department of Health & Human			2014	2014	2014			
		Percent increase in DDS autism cases from 1990 to 2015	n/a	Social and Economic Factors	Percentage					45.0%	no data	State Greater Bay	benchmark	66.0%	21.00%	Standardized Testing and Reporting (STAR)			2012-13		2012-13			
		Percentage of public school children in grades K-12 receiving special education services whose primary	n/a	Health Outcomes	Change				1554%	no data	no data	Area	benchmark	281.0%	-1273.00%	Autism Society, San Francisco Bay Area;		1990-2015			1990-2015			
		Percent of children in foster care system for more than 8 days but less than 12 months with 2 or less	n/a	Health Outcomes	Percentage					12.0%	no data	State	benchmark	8.1%	-3.90%	Special Tabulation by the California Dept. of			2013-14		2013-14			
	Related	Percent of children age 0-12 considered in excellent or very good health	n/a	Health Outcomes	Percentage	36,000				78.7%	no data	State	Above benchmark	93.3%	14.62%	California Health Interview Survey			2014		2014		x	
		Percent of children 4 months-5 years at moderate or high risk of developmental delay	Percent of children 4	Health Outcomes	Percentage	no data	n/a			23.1%	26.2%	State	Below benchmark	no data	n/a	National Survey of Children's Health			2011-12	2011-12				
		Percent of children no longer in foster care system after 12 months	n/a	Social and Economic Factors	Percentage	no data	n/a			38.3%	no data	State	Above benchmark	suppressed	n/a	California Child Welfare Indicators			2013		2013			
		Pounds of pesticides applied and rank among California counties	n/a	Physical Environment	Number					193,597,806	n/a	State	n/a	84,836	n/a	California Department of Pesticide			2013		2013			
Climate and Health	Core	Percentage of Days Exceeding Particulate Matter Standards, Pop. Adjusted Average	Air Quality - Particulate	Physical Environment	Percentage	252,409	n/a			4.2%	1.2%	State	Below benchmark	5.2%	1.05%	Centers for Disease Control and			2008	2008	2008			
		Percentage of Population Potentially Exposed to Unsafe Drinking Water	Drinking Water Safety	Physical Environment	Percentage	257,059	n/a			2.7%	10.3%	State	Below benchmark	0.6%	-2.06%	University of Wisconsin Population			2012-13	2012-13	2012-13			
		Percentage of Days Exceeding Ozone Standards, Pop. Adjusted Average	Air Quality - Ozone (O3)	Physical Environment	Percentage	252,409	n/a			2.5%	0.5%	State	Below benchmark	0.0%	-2.47%	Centers for Disease Control and			2008	2008	2008			
		Percentage of Weather Observations with High Heat Index Values:%	Health - Heat Climate &	Physical Environment	Percentage	3,285	n/a			0.6%	4.7%	State	Below benchmark	0.0%	-0.63%	National Oceanic and Atmospheric			2014	2014	2014			
		Percentage of Weeks in Drought (Any)	Health - Drought Climate &	Physical Environment	Percentage	no data	n/a			92.8%	45.9%	State	Below benchmark	89.1%	-3.69%	US Drought Monitor			2012-14	2012-14	2012-14			
		Heat-related Emergency Department Visits, Rate per 100,000 Population	Health - Heat Climate &	Physical Environment	Rate	125	n/a			11.1	no data	State	Below benchmark	6.2	-4.88	California Department of Public Health,			2005-12		2005-12			
		Asthma Hospitalization Discharge Rate (Per 10,000 Pop.; Age-Adjusted)	Asthma - Hospitalizations	Health Outcomes	Rate	no data	n/a			8.9	no data	State	Below benchmark	2.9	-6.01	California Office of Statewide Health			2011		2011			
		Percent Adults with Asthma	Asthma Prevalence	Health Outcomes	Percentage	187,509	n/a			14.2%	13.4%	State	Below benchmark	13.8%	-0.41%	Centers for Disease Control and			2011-12	2011-12	2011-12			
	Related	Percent Low Birth Weight Births	Low Birth Weight	Health Outcomes	Percentage	252,409	n/a			6.8%	no data	State	Below benchmark	6.2%	-0.63%	California Department of Public Health,			2011		2011			
		Total Road Network Density (Road Miles per Acre)	Transit - Road Network Density	Physical Environment	Rate	828	n/a			4.3	2.0	State	Below benchmark	2.1	-2.15	Environmental Protection Agency,			2011	2011	2011			
		Percentage of Population within Half Mile of Public Transit	Transit - Public Transit within	Physical Environment	Percentage	247,686	n/a			15.5%	8.1%	State	Above benchmark	5.6%	-9.90%	Environmental Protection Agency,			2011	2011	2011			
		Population Weighted Percentage of Report Area Covered by Tree Canopy	Health - Canopy Climate &	Physical Environment	Percentage	252,409	n/a			0.15	0.25	State	Below benchmark	0.32	16.42%	Multi-Resolution Land Characteristics			2011	2011	2011			
		Percentage of Housing Units with No Air Conditioning	Health - No	Physical Environment	Percentage	111,214	n/a			33.8%	11.4%	State	Below benchmark	no data			US Census Bureau, American Housing			2011, 2013		2011, 2013		
		Pounds of pesticides applied and rank among California counties	n/a	Physical Environment	Number					193,597,806	n/a	State	n/a	84,836	n/a	California Department of Pesticide			2013		2013			
		Diabetes Hospitalization Discharge Rate (Per 10,000 Pop.; Age-Adjusted)	Diabetes Hospitalizations	Health Outcomes	Rate	no data	n/a			10.4	no data	State	Below benchmark	5.11	-5.29	California Office of Statewide Health			2011		2011			
Average Number of Mentally Unhealthy Days per Month	Mental Health - Poor Mental	Health Outcomes	Rate	198,881	n/a			3.6	3.47	State	Below benchmark	3.0	-0.6	Centers for Disease Control and			2006-12	2006-12	2006-12					
Heart Disease, Age-Adjusted Mortality Rate (per 100,000 Population)	Heart Disease - Ischaemic Heart	Health Outcomes	Rate	252,409	<= 100.8			163.2	no data	State	Below benchmark	107.9	-55.25	University of Missouri, Center for			2010-12		2010-12					
Percent Adults with BMI > 30.0 (Obese)	Obesity (Adult)	Health Outcomes	Percentage	197,845	n/a			22.3%	27.1%	State	Below benchmark	17.5%	-4.82%	Centers for Disease Control and			2012	2012	2012					
Percent Obese Among Children (grades 5, 7, 9)	Obesity (Youth)	Health Outcomes	Percentage	7,276	n/a			19.0%	no data	State	Below benchmark	8.9%	-10.11%	California Department of Education,			2013-14		2013-14					
Core	Percent Adults with Heart Disease	Heart Disease Prevalence	Health Outcomes	Percentage	198,000	n/a			6.1%	no data	State	Below benchmark	7.6%	1.50%	California Health Interview Survey			2013-14		2013-14		x		
	Heart Disease, Age-Adjusted Mortality Rate (per 100,000 Population)	Mortality - Ischaemic Heart	Health Outcomes	Rate	252,409	<= 100.8			163.2	no data	State	Below benchmark	107.9	-55.25	University of Missouri, Center for			2010-12		2010-12				
	Percent of Medicare fee-for-service population with ischaemic heart disease	n/a	Health Outcomes	Percentage					37.4%	28.6%	State	Below benchmark	23.6%	-13.78%	Centers for Medicare and Medicaid Services			2012	2012	2012				
		Stroke, Age-Adjusted Mortality Rate (per 100,000 Population)	Stroke Mortality -	Health Outcomes	Rate	252,409	n/a		37.4	no data	State	Below benchmark	27.6	-9.83	University of Missouri, Center for			2010-12		2010-12				

Health Indicators								Benchmark					Needs Score			Data Details												
Potential Health Needs	Core/Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable					
CVD/Stroke	Related	Percent Population with no Leisure Time Physical Activity	Physical In/activity Physical	Health Behaviors	Percentage	198,426	n/a			16.6%	22.6%	State	Below benchmark	10.3%	-6.29%	Centers for Disease Control and California Department of Education, US Census			2012	2012	2012							
		Percent Physically Inactive	Physical In/activity	Health Behaviors	Percentage	7,276	n/a			35.9%	no data	State	Below benchmark	23.7%	-12.20%	Bureau, Decennial US Census			2013-14			2013-14						
		Percent Population Within 1/2 Mile of a Park Recreation and Fitness Facilities, Rate (Per 100,000 Population)	Park Access Recreation and Fitness Facility	Physical Environment	Percentage	252,409	n/a			58.6%	no data	State	Above benchmark	68.0%	9.38%	Bureau, County US Census			2010			2010						
		Percent Population Smoking Cigarettes(Age-Adjusted)	Tobacco Usage Tobacco	Health Behaviors	Percentage	198,881	n/a			12.8%	18.1%	State	Below benchmark	11.0%	-1.80%	Bureau, County Centers for Disease Control and			2006-12	2006-12		2006-12						
		Cigarette Expenditures, Percentage of Total Household Expenditures	Expenditures Tobacco	Health Behaviors	Percentage	no data	n/a			1.0%	1.6%	State	Below benchmark	suppressed	n/a		Nielsen Site Reports			2014	2014		2014					
		Estimated Adults Drinking Excessively (Age-Adjusted Percentage)	Alcohol - Excessive	Health Behaviors	Percentage	198,881	n/a			17.2%	16.9%	State	Below benchmark	19.5%	2.30%	Centers for Disease Control and			2006-12	2006-12		2006-12						
		Alcoholic Beverage Expenditures, Percentage of Total Food-At-Home Expenditures	Expenditures Liquor Store	Health Behaviors	Percentage	no data	n/a			12.9%	14.3%	State	Below benchmark	suppressed	n/a		Nielsen Site Reports			2014	2014		2014					
		Liquor Stores, Rate (Per 100,000 Population)	Access Overweight (Adult)	Physical Environment	Rate	252,409	n/a			10.0	10.4	State	Below benchmark	8.7	-1.3	Bureau, County Centers for Disease Control and			2012	2012		2012						
		Percent Adults Overweight	Overweight (Adult)	Health Outcomes	Percentage	181,818	n/a			35.9%	35.8%	State	Below benchmark	30.8%	-5.01%	Centers for Disease Control and			2011-12	2011-12		2011-12						
		Percent Adults with BMI > 30.0 (Obese)	Obesity (Adult)	Health Outcomes	Percentage	197,845	n/a			22.3%	27.1%	State	Below benchmark	17.5%	-4.82%	Centers for Disease Control and			2012			2012						
		Percent Overweight Among Children (grades 5, 7, 9)	Overweight (Youth)	Health Outcomes	Percentage	7,276	n/a			19.3%	no data	State	Below benchmark	16.3%	-2.98%	California Department of Education, California Department of			2013-14			2013-14						
		Percent Obese Among Children (grades 5, 7, 9)	Obesity (Youth)	Health Outcomes	Percentage	7,276	n/a			19.0%	no data	State	Below benchmark	8.9%	-10.11%	Centers for Disease Control and			2006-12	2006-12		2006-12						
		Percent of adults (age 18+) who have ever been diagnosed with high blood pressure	n/a	Health Outcomes	Percentage					26.1%	28.2%	State	Below benchmark	18.8%	-7.30%	Centers for Medicare and Medicaid Services			2012	2012		2012						
		Percent of Medicare fee-for-service population diagnosed with high blood pressure	n/a	Health Outcomes	Percentage					51.5%	55.5%	State	Below benchmark	41.5%	-10.00%	Centers for Medicare and Medicaid Services			2012	2012		2012						
		Percent of Medicare fee-for-service population diagnosed with high cholesterol	n/a	Health Outcomes	Percentage					42.1%	44.8%	State	Below benchmark	39.7%	-2.40%	Centers for Disease Control and			2012	2012		2012						
		Percent Adults with Diagnosed Diabetes (Age-Adjusted)	Diabetes Prevalence	Health Outcomes	Percentage	197,942	n/a			8.1%	9.1%	State	Below benchmark	5.5%	-2.55%	Centers for Disease Control and			2012	2012		2012						
		Diabetes Hospitalization Discharge Rate (Per 10,000 Pop.; Age-Adjusted)	Diabetes Hospitalizations	Health Outcomes	Rate	no data	n/a			10.4	no data	State	Below benchmark	5.1	-5.29	California Office of Statewide Health			2011			2011						
				Total Population	n/a	Demographics	Number				37,659,181	n/a	n/a	n/a	n/a	254,643	n/a	US Census Bureau, American Community			2009-13			2009-13				
				Families with Children (% of total households)	n/a	Demographics	Percentage				32.7%	29.6%	n/a	n/a	n/a	29.4%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13				
				Percent Male Population	n/a	Demographics	Percentage				49.7%	49.2%	n/a	n/a	n/a	49.1%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13				
		Percent Female Population	n/a	Demographics	Percentage				50.3%	50.8%	n/a	n/a	n/a	50.9%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Population under Age 18	n/a	Demographics	Percentage				24.5%	23.7%	n/a	n/a	n/a	20.6%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Percent Population Age 0-4	n/a	Demographics	Percentage				6.7%	6.4%	n/a	n/a	n/a	5.3%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Percent Population Age 5-17	n/a	Demographics	Percentage				17.8%	17.3%	n/a	n/a	n/a	15.3%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Percent Population Age 18-24	n/a	Demographics	Percentage				10.5%	10.0%	n/a	n/a	n/a	5.9%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Percent Population Age 25-34	n/a	Demographics	Percentage				14.4%	13.4%	n/a	n/a	n/a	9.6%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Percent Population Age 35-44	n/a	Demographics	Percentage				13.7%	13.1%	n/a	n/a	n/a	14.0%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Percent Population Age 45-54	n/a	Demographics	Percentage				13.9%	14.3%	n/a	n/a	n/a	16.4%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Percent Population Age 55-64	n/a	Demographics	Percentage				11.1%	12.1%	n/a	n/a	n/a	15.8%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Percent Population Age 65+	n/a	Demographics	Percentage				11.8%	13.4%	n/a	n/a	n/a	17.6%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Percent of Population 75y+	n/a	Demographics	Percentage				5.4%	6.0%	n/a	n/a	n/a	7.7%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Median Age in Years	n/a	Demographics	Age				35.4	37.3	n/a	n/a	n/a	44.8	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Veteran Population (% of total population)	n/a	Demographics	Percentage				6.7%	9.0%	n/a	n/a	n/a	7.6%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						
		Percent Population Rural	n/a	Demographics	Percentage				5.0%	19.1%	n/a	n/a	n/a	6.5%	n/a	U.S. Census Bureau			2010	2010		2010						
		Percent Population Urban	n/a	Demographics	Percentage				95.0%	80.9%	n/a	n/a	n/a	93.5%	n/a	U.S. Census Bureau			2010	2010		2010						
		Percent Population Hispanic	n/a	Demographics	Percentage				37.9%	16.6%	n/a	n/a	n/a	15.5%	n/a	US Census Bureau, American Community			2009-13	2009-13		2009-13						

Health Indicators								Benchmark					Needs Score			Data Details								
Potential Health Needs	Core/Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable	
		Percent Population Foreign-Born	n/a	Demographics	Percentage				27.0%	13.0%	n/a	n/a	n/a	19.0%	n/a	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent Population not a U.S. Citizen	n/a	Demographics	Percentage				14.3%	7.1%	n/a	n/a	n/a	10.6%	n/a	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Population Geographic Mobility	n/a	Demographics	Percentage				4.9%	6.0%	n/a	n/a	n/a	7.4%	n/a	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent of the population that speak English less than "very well"	n/a	Demographics	Percentage				19.4%	8.6%	n/a	n/a	n/a	9.3%	n/a	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent of linguistically isolated households	n/a	Demographics	Percentage				10.3%	4.7%	n/a	n/a	n/a	4.8%	n/a	US Census Bureau, American Community			2007-11	2007-11	2007-11			
		Percent Population Age 5+ with Limited English Proficiency	n/a	Demographics	Percentage				19.4%	8.6%	n/a	n/a	n/a	9.3%	n/a	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Median household income	n/a	Social and Economic Factors	Dollars				\$61,094	\$53,046	n/a	n/a	benchmark	\$90,839	n/a	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Living Wage - Annual income required to support household with two adults*	n/a	Social and Economic Factors	Dollars				\$39,988	n/a	n/a	n/a	n/a	\$46,991	n/a	livingwage.mit.edu			2015		2015			
		Living wage - Annual income required to support one adult and one child*	n/a	Social and Economic Factors	Dollars				\$52,544	n/a	n/a	n/a	n/a	\$61,096	n/a	livingwage.mit.edu			2015		2015			
		Median year housing units built	n/a	Physical Environment	Year				1974	1976	n/a	n/a	n/a	1966	n/a	US Census Bureau, American Community			2009-13	2009-13	2009-13			
	Core	Percent of children under age 18 living below 200% of Federal Poverty Level	n/a	Social and Economic Factors	Percentage				47.3%	44.6%	State	benchmark	Below	17.8%	-29.50%	US Census Bureau, American Community			2013	2013	2013			
		Percent Population in Poverty	Poverty - Population	Social & Economic Factors	Percentage	247,026	n/a		15.9%	15.4%	State	benchmark	Below	7.7%	-8.20%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent Population with Income at or below 200% FPL	Poverty - Population	Social & Economic Factors	Percentage	247,026	n/a		35.9%	34.2%	State	benchmark	Below	19.4%	-16.50%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent Population Under Age 18 in Poverty	Children Below	Social & Economic Factors	Percentage	247,026	n/a		22.2%	21.6%	State	benchmark	Below	8.9%	-13.21%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent of people living below 50% of Federal Poverty Line	n/a	Social and Economic Factors	Percentage				6.9%	6.8%	State	benchmark	Below	3.6%	-3.30%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent People 65 years or Older In Poverty	n/a	Social and Economic Factors	Percentage				9.9%	9.4%	State	benchmark	Below	5.5%	-4.40%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent Single Female Headed Households living below 100% of Federal Poverty Line	n/a	Social and Economic Factors	Percentage				29.9%	33.3%	State	benchmark	Below	15.2%	-14.70%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent of Families Earning over \$75,000/year	n/a	Social and Economic Factors	Percentage				46.8%	42.8%	State	benchmark	Above	68.9%	22.10%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Median household income	n/a	Social and Economic Factors	Dollars				\$61,094	\$53,046	State	benchmark	Above	\$90,839	29745		US Census Bureau, American Community			2009-13	2009-13	2009-13		
		Per capita income	n/a	Social and Economic Factors	Dollars				\$29,527	\$28,154	State	benchmark	Above	\$56,791	27264		US Census Bureau, American Community			2009-13	2009-13	2009-13		
		Living wage - Annual income required to support one adult and one child*	n/a	Social and Economic Factors	Dollars				\$52,544	n/a	State	n/a	n/a	\$61,096	n/a		livingwage.mit.edu			2015		2015		
		Living Wage - Annual income required to support household with two adults*	n/a	Social and Economic Factors	Dollars				\$39,988	n/a	n/a	n/a	n/a	\$46,991	n/a		livingwage.mit.edu			2015		2015		
		Gini coefficient of income inequality	n/a	Social and Economic Factors	Proportion				0.4782	0.4735	State	benchmark	Below	0.5164	0.0382	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Population receiving MediCal/Medicaid	n/a	Social and Economic Factors	Percentage				14.0%	no data	State	benchmark	Below	19.5%	5.50%	US Census Bureau, American Community			2014		2014			
		Percent of households with public assistance income	n/a	Social and Economic Factors	Percentage				4.0%	2.8%	State	benchmark	Below	1.8%	-2.20%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Unemployment Rate	Economic Security -	Social & Economic Factors	Percentage	140,102	n/a		7.4%	6.3%	State	benchmark	Below	4.2%	-3.20%	US Department of Labor, Bureau of			2015	2015				
		Percentage of civilian non-institutionalized population age 16 or older unemployed	n/a	Social and Economic Factors	Percentage				7.3%	6.2%	State	benchmark	Below	4.8%	-2.50%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
Economic Security	Related	Cohort Graduation Rate	Education - High School	Social & Economic Factors	Percentage	2,226	>= 82.4%		80.4%	no data	State	benchmark	Above	91.4%	10.98%	California Department of Education			2013		2013			
		High school graduation rate	n/a	Social and Economic Factors	Percentage				80.8%	no data	State	benchmark	Above	90.8%	10.00%	California Dept. of Education, California			2014		2014			
		3rd grade reading proficiency (Percentage of all public school students tested in 3rd grade who scored	n/a	Social and Economic Factors	Percentage				45.0%	no data	State	benchmark	Above	66.0%	21.00%	Standardized Testing and Reporting (STAR)			2012-13		2012-13			
		Liquor Store	Access	Physical Environment	Rate	252,409	n/a		10.0	10.4	State	benchmark	Below	8.7	-1.3	Bureau, County			2012	2012	2012			
		Liquor Stores, Rate (Per 100,000 Population)	Children Eligible for	Social & Economic Factors	Percentage	31,693	n/a		56.3%	51.7%	State	benchmark	Below	25.6%	-30.70%	National Center for Education Statistics, US Census Bureau,			2012-13	2012-13	2012-13			
		Percent Students Eligible for Free or Reduced Price Lunch	Food Security - Population	Social & Economic Factors	Percentage	247,458	n/a		10.6%	15.2%	State	benchmark	Below	3.7%	-6.92%	Small Area Income & Dignity Health			2011	2011	2011			
		Percent Population Receiving SNAP Benefits	Dignity	Social and Economic Factors	Number				n/a	n/a	n/a	n/a	n/a	n/a	2.5		Community Need							
		Dignity Community Health Index	Insurance - Population	Social & Economic Factors	Percentage	248,491	n/a		23.4%	20.2%	State	benchmark	Below	10.4%	-12.98%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent of Insured Population Receiving Medicaid	Insurance - Population	Social & Economic Factors	Percentage	248,491	n/a		17.8%	14.9%	State	benchmark	Below	8.9%	-8.87%	US Census Bureau, American Community			2009-13	2009-13	2009-13			
		Percent Uninsured Population	Food Security - School Breakfast	Social & Economic Factors	Percentage	no data	n/a		3.9%	4.2%	State	benchmark	Below	no data			US Department of Agriculture, Food and			2013	2013			

Health Indicators								Benchmark					Needs Score			Data Details							
Potential Health Needs	Core/Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable
		Percentage of the Population with Food Insecurity	Food Security - Food Insecurity Housing -	Social & Economic Factors	Percentage	252,759	n/a			16.2%	15.9%	State	Below benchmark	11.5%	-4.72%	Feeding America			2012	2012	2012		
		Vacant Housing Units, Percent	Vacant Housing Housing -	Physical Environment	Percentage	111,351	n/a			8.6%	12.5%	State	Below benchmark	7.6%	-1.05%	US Census Bureau, American Community			2009-13	2009-13	2009-13		
		Percentage of Households where Housing Costs Exceed 30% of Income	Burdened Housing - Cost	Physical Environment	Percentage	102,912	n/a			45.9%	35.5%	State	Below benchmark	43.8%	-2.05%	US Census Bureau, American Community			2009-13	2009-13	2009-13		
		Percent Occupied Housing Units with One or More Substandard Conditions	Substandard Housing -	Physical Environment	Percentage	102,912	n/a			48.4%	36.1%	State	Below benchmark	44.1%	-4.25%	US Census Bureau, American Community			2009-13	2009-13	2009-13		
		HUD-Assisted Units, Rate per 10,000 Housing Units	Assisted	Physical Environment	Rate	111,214	n/a			1399.0	1468.2	State	Below benchmark	351.0	-1048.09	US Department of Housing and Urban			2013	2013	2013		
		Proportion of renter occupied households living in overcrowded environments (>1 persons/room)	n/a	Physical Environment	Percentage					13.3%	6.2%	State	Below benchmark	7.4%	-5.90%	US Census Bureau, American Community			2009-13	2009-13	2009-13		
		Percentage of Workers Commuting More than 60 Minutes	Economic Security - Economic	Social & Economic Factors	Percentage	108,758	n/a			10.1%	8.1%	State	Below benchmark	11.5%	1.35%	US Census Bureau, American Community			2009-13	2009-13	2009-13		
		Percentage of Households with No Motor Vehicle	Security -	Social & Economic Factors	Percentage	102,912	n/a			7.8%	9.1%	State	Below benchmark	5.0%	-2.81%	US Census Bureau, American Community			2009-13	2009-13	2009-13		
Education	Core	Percent Population Age 25+ with No High School Diploma	Education - Less than High	Social & Economic Factors	Percentage	187,029	n/a			18.8%	14.0%	State	Below benchmark	7.6%	-11.14%	US Census Bureau, American Community			2009-13	2009-13	2009-13		
		Percent of population age 25+ with Associate's degree or higher	n/a	Social and Economic Factors	Percentage					38.4%	36.7%	State	Above benchmark	60.9%	22.50%	US Census Bureau, American Community			2009-13	2009-13	2009-13		
		Percent of English language learners (grade 10) who passed the California High School Exit Exam in English	n/a	Social and Economic Factors	Percentage					38.0%	n/a	State	Above benchmark	26.0%	-12.00%	California Department of Education			2013-14		2013-14		
		Percent of English language learners (grade 10) who passed the California High School Exit Exam in Math	n/a	Social and Economic Factors	Percentage					54.0%	n/a	State	Above benchmark	37.0%	-17.00%	California Department of Education			2013-14		2013-14		
		Percent of children age 3-4 enrolled in school (includes Head Start, licensed child care, nurseries, Pre-K,	n/a	Social and Economic Factors	Percentage	no data				47.8%	47.1%	State	Above benchmark	66.2%	18.40%	US Census Bureau, American Community			2014	2014	2014		
		Percentage of Grade 4 ELA Test Score Not Proficient	Education - Reading Below	Social & Economic Factors	Percentage	2492	<= 36.3%			36.0%	n/a	State	Below benchmark	19.0%	-17.00%	California Department of Education			2012-13		2012-13		
		Percentage of Population Age 3-4 Enrolled in School	School Education - High	Social & Economic Factors	Percentage	no data	n/a			47.8%	47.1%	State	Above benchmark	66.2%	18.41%	US Census Bureau, American Community			2014	2014	2014		
		Cohort Graduation Rate	School Education - High	Social & Economic Factors	Percentage	2,226	>= 82.4			80.4%	no data	State	Above benchmark	91.4%	10.98%	California Department of Education			2013		2013		
HIV/AIDS/STDs	Core	Chlamydia Infection Rate (Per 100,000 Pop.)	STD - Chlamydia	Health Outcomes	Rate	255,031	n/a			444.9	456.7	State	Below benchmark	190.6	-254.31	US Department of Health & Human			2012	2012	2012		
		Gonorrhea Incidence (rate of gonorrhea cases per 100,000 population)	n/a	Health Outcomes	Rate					88.3	106.7	State	Below benchmark	32.4	-55.9	U.S. Department of Health & Human			2012	2012	2012		
		AIDS Incidence (newly diagnosed cases) (Per 100,000 Pop.)	n/a	Health Outcomes	Rate					8.1	n/a	State	Below benchmark	3.4	-4.7	California Department of Public Health, Marin data source:			2011-13		2011-13		
		Population with HIV / AIDS, Rate (Per 100,000 Pop.)	STD - HIV Prevalence	Health Outcomes	Rate	250,259	n/a			310.1	289.0	State	Below benchmark	221.4	-88.69	County of Marin, California Office of			2012	2012	2012		
	HIV Hospital Discharge Rate (Per 10,000 Pop.; Age-Adjusted)	STD - HIV Hospitalizations	Health Outcomes	Rate	no data	n/a			2.0	no data	State	Below benchmark	1.7	-0.27	California Office of Statewide Health			2011		2011			
		Related	HIV hospitalizations as percentage of total discharges	n/a	Clinical Care	Percentage	no data	n/a			0.2%	no data	State	Below benchmark	0.1%	-0.06%	California Office of Statewide Health Centers for Disease Control and			2011		2011	
Percent Adults Never Screened for HIV / AIDS			STD - No HIV Screening	Clinical Care	Percentage	170,311	n/a			60.8%	62.8%	State	Below benchmark	58.0%	-2.79%	California Office of Statewide Health Centers for Disease Control and			2011-12	2011-12	2011-12		
Mental Health	Core	Suicide, Age-Adjusted Mortality Rate (per 100,000 Population)	Mortality - Suicide	Health Outcomes	Rate	252,409	<= 10.2			9.8	no data	State	Below benchmark	12.8	3.03	University of Missouri, Center for			2010-12		2010-12		
		Poor mental health (likely has serious psychological distress during past year)	n/a	Health Outcomes	Percentage	198,000				7.7%	8.5%	State	Below benchmark	4.5%	-3.20%	California Health Interview Survey			2014	2007	2014		x
		Percentage of Medicare Beneficiaries with Depression	Depression	Health Outcomes	Percentage	28,460	n/a			13.4%	15.5%	State	Below benchmark	11.2%	-2.18%	Centers for Medicare and Medicaid Services			2012	2012	2012		
		Mental Health Care Provider Rate (Per 100,000 Population)	Mental Health Access to	Clinical Care	Rate	264,639	n/a			157.0	134.1	State	Above benchmark	405.1	248.08	University of Wisconsin Population			2014	2014	2014		
		Percent reporting taken prescription medicine for emotional/mental health issue in past year (taken for	n/a	Clinical Care	Percentage	198,000	n/a			10.1%	no data	State	Below benchmark	15.6%	5.50%	California Health Interview Survey			2014		2014		
		Percent of adults with a physical, mental or emotional disability	n/a	Health Outcomes	Percentage	198,000				28.5%	29.9%	State	Below benchmark	23.9%	-4.60%	California Health Interview Survey			2014	2011-12	2014		
		Percent of adults age 65+ with a physical, mental or emotional disability	n/a	Health Outcomes	Percentage	43,000				51.0%	51.9%	State	Below benchmark	57.7%	6.70%	California Health Interview Survey			2014	2011-12	2014		
		Percent of 11th grade students who seriously considered committing suicide in the past 12 months	n/a	Health Outcomes	Percentage	no date	n/a			17.0%	no data	n/a	Below benchmark	18.0%	1.00%	California Healthy Kids Survey			2011-13		2013-14		
		Percent of 11th grade students who felt sad or hopeless almost everyday for 2 weeks or more so that	n/a	Health Outcomes	Percentage					32.5%	no data	State	Below benchmark	26.7%	-5.80%	California Healthy Kids Survey			2011-13		2011-13		
		Youth suicide attempt rate (emergency room or hospitalization) (Per 100,000 residents ages 12-24)	n/a	Health Outcomes	Rate					235.0	no data	State	Below benchmark	158.0	-77	California Department of Public Health, RxSafe Marin Report			2000-11		2000-11		
		Drug poisoning deaths (total)	n/a	Health Outcomes	Number			21.00		n/a	no data	2011	Below benchmark	39.00	18.00	Card; California	2011				2013		
		Percent of adults who report needing to see a professional	Mental Health - Needing Mental	Health Outcomes	Percentage	198,000	n/a			15.9%	no data	State	Below benchmark	19.5%	3.60%	California Health Interview Survey			2013-14		2013-14		

Health Indicators								Benchmark					Needs Score			Data Details								
Potential Health Needs	Core/Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable	
	Related	Total number of homeless individuals	n/a	Social and Economic Factors	Number				no data	no data	n/a		n/a	1309	n/a	Marin County Homeless Point-in-Marin County					2015			
	Related	Total number of unsheltered homeless individuals	n/a	Social and Economic Factors	Number				no data	no data	n/a		n/a	835	n/a	Marin County Homeless Point-in-California Child					2015			
	Related	Substantiated allegations of child maltreatment (abuse and neglect) per 1,000 children ages 0-17	n/a	Violence/Injury Prevention	Rate		<=8.5		8.7	no data	State	benchmark	4.0	-4.7	California Healthy Welfare Indicators			2014			2014			
	Related	Percent of 11th grade students who report they've been victims of cyber bullying in the past 12 months	n/a	Health Outcomes	Percentage				23.2%	no data	State	benchmark	23.8%	0.60%	California Healthy Kids Survey			2011-13			2011-13			
	Related	Percent of 11th grade students reporting harassment on school property related to their sexual orientation	n/a	Health Outcomes	Percentage				7.6%	no data	State	benchmark	6.6%	-1.00%	California Healthy Kids Survey			2011-13			2011-13			
	Related	Percent of 11th grade students reporting harassment or bullying on school property within the past 12	n/a	Health Outcomes	Percentage				27.6%	no data	State	benchmark	24.7%	-2.90%	California Healthy Kids Survey			2011-13			2011-13			
	Core	Percent Adults Overweight	Overweight (Adult)	Health Outcomes	Percentage	181818	n/a		35.9%	35.8%	State	benchmark	30.8%	-5.01%	Centers for Disease Control and Centers for Disease			2011-12	2011-12		2011-12			
	Core	Percent Adults with BMI > 30.0 (Obese)	Obesity (Adult)	Health Outcomes	Percentage	197,845	<=30.5%		22.3%	27.1%	State	benchmark	17.5%	-4.82%	Control and California Department of Education,			2012	2012		2012			
	Core	Percent Overweight Among Children (grades 5, 7, 9)	Overweight (Youth)	Health Outcomes	Percentage	7,276	n/a		19.3%	no data	State	benchmark	16.3%	-2.98%	California Department of Education,			2013-14			2013-14			
	Core	Percent Obese Among Children (grades 5, 7, 9)	Obesity (Youth)	Health Outcomes	Percentage	7,276	<=16.1%		19.0%	no data	State	benchmark	8.9%	-10.11%	California Department of Education,			2013-14			2013-14			
	Core	Percent of low income (<200% FPL) preschool children (age 2-4) who are obese	n/a	Health Outcomes	Percentage				17.2%	no data	State	benchmark	13.0%	-4.20%	CDPH (Pediatric Nutrition Surveillance Centers for Disease			2010			2010			
	Core	Percent Adults with Diagnosed Diabetes(Age-Adjusted)	Diabetes Prevalence	Health Outcomes	Percentage	197,942	n/a		8.1%	9.1%	State	benchmark	5.5%	-2.55%	Control and Centers for Medicare			2012	2012		2012			
	Core	Percent of Medicare fee-for-service population with diabetes	n/a	Health Outcomes	Percentage				26.6%	27.0%	State	benchmark	15.2%	-11.40%	and Medicaid Services California Department			2012	2012		2012			
	Core	Diabetes mortality rate (age-adjusted) (Per 100,000 Pop.)	n/a	Health Outcomes	Rate				20.8%	no data	State	benchmark	8.9%	-11.90%	of Public Health, California Office of			2011-13			2011-13			
	Core	Diabetes Hospitalization Discharge Rate (Per 10,000 Pop.; Age-Adjusted)	Diabetes Hospitalizations	Health Outcomes	Rate	no data	n/a		10.4	no data	State	benchmark	5.1	-5.29	Statewide Health			2011			2011			
	Related	Percent Adults with Heart Disease	Heart Disease Prevalence	Health Outcomes	Percentage	198,000	n/a		6.1%	no data	State	benchmark	7.6%	1.50%	California Health Interview Survey			2013-14			2013-14		x	
	Related	Heart Disease, Age-Adjusted Mortality Rate (per 100,000 Population)	Heart Disease - Mortality - Ischaemic Heart	Health Outcomes	Rate	252,409	<= 100.8		163.2	no data	State	benchmark	107.9	-55.25	University of Missouri,Center for			2010-12			2010-12			
	Related	Percent of Medicare fee-for-service population with Ischaemic heart disease	n/a	Health Outcomes	Percentage				37.4%	28.6%	State	benchmark	23.6%	-13.78%	Centers for Medicare and Medicaid Services			2012	2012		2012			
	Related	Stroke, Age-Adjusted Mortality Rate (per 100,000 Population)	n/a	Health Outcomes	Rate	252,409	n/a		37.4	no data	State	benchmark	27.6	-9.83	University of Missouri, Center for			2010-12			2010-12			
	Related	Percent Adults with Inadequate Fruit / Vegetable Consumption	Low Fruit/Vegetable	Health Behaviors	Percentage	196,267	n/a		71.5%	75.7%	State	benchmark	64.3%	-7.20%	Centers for Disease Control and			2005-09	2005-09		2005-09			
	Related	Percent Population Age 2-13 with Inadequate Fruit/Vegetable Consumption	Low Fruit/Vegetable	Health Behaviors	Percentage	31,000	n/a		47.4%	no data	State	benchmark	50.1%	2.70%	California Health Interview Survey			2012			2012			
	Related	Fruit / Vegetable Expenditures, Percentage of Total Food-At-Home Expenditures	Low Fruit/Vegetable Expenditures	Health Behaviors	Percentage	no data	n/a		14.1%	12.7%	State	benchmark	suppressec			Nielsen Site Reports			2014	2014		2014		
	Related	Soda Expenditures, Percentage of Total Food-At-Home Expenditures	Soft Drink Expenditures	Health Behaviors	Percentage	no data	n/a		3.6%	4.0%	State	benchmark	suppressec			Nielsen Site Reports			2014	2014		2014		
	Related	Percent Population with Low Food Access	Food Security - Food Desert	Social & Economic Factors	Percentage	252,409	n/a		14.3%	23.6%	State	benchmark	17.1%	2.74%	US Department of Agriculture, Economic			2010	2010		2010			
	Related	Percent of low-income population with low food access	n/a	Physical Environment	Percentage				3.4%	6.3%	State	benchmark	2.0%	-1.42%	U.S. Department of Agriculture, Economic			2010	2010		2010			
	Related	SNAP-authorized retailers (Per 1,000 Population)	n/a	Physical Environment	Rate				63.9	78.4	State	benchmark	0.4	-63.51045656	U.S. Department of Agriculture, Food and			2014	2014		2012			
	Related	Fast Food Restaurants, Rate (Per 100,000 Population)	Food Environment - Food	Physical Environment	Rate	252,409	n/a		74.5	72.0	State	benchmark	76.1	1.56	US Census Bureau, County Business			2011	2011		2011			
	Related	Grocery Stores, Rate (Per 100,000 Population)	Food Environment - Food	Physical Environment	Rate	252,409	n/a		21.5	21.1	State	benchmark	26.5	5.03	US Census Bureau,County			2011	2011		2011			
	Related	WIC-Authorized Food Stores, Rate (Per 100,000 Population)	Food Environment - Physical	Physical Environment	Rate	255,031	n/a		15.8	15.6	State	benchmark	9.0	-6.78	US Department of Agriculture,Economic			2011	2011		2011			
	Related	Percent Population with no Leisure Time Physical Activity (Adult)	Physical Inactivity (Adult)	Health Behaviors	Percentage	198,426	n/a		16.6%	22.6%	State	benchmark	10.3%	-6.29%	Centers for Disease Control and			2012	2012		2012			
	Related	Percent Physically Inactive (Youth)	Physical Inactivity	Health Behaviors	Percentage	7,276	n/a		35.9%	no data	State	benchmark	23.7%	-12.20%	California Department of Education,			2013-14			2013-14			
	Related	Percent of 7th graders who engaged in vigorous exercised for at least 20 minutes during 4 or more of	n/a	Health Behaviors	Percentage				no data	no data	n/a	benchmark	75.0%		California Healthy Kids Survey						2013-14			
	Related	Percent of 9th graders who engaged in vigorous exercised for at least 20 minutes during 4 or more of	n/a	Health Behaviors	Percentage				no data	no data	n/a	benchmark	67.0%		California Healthy Kids Survey						2013-14			
	Related	Percent of 11th graders who engaged in vigorous exercised for at least 20 minutes during 4 or more of	n/a	Health Behaviors	Percentage				no data	no data	n/a	benchmark	54.0%		California Healthy Kids Survey						2013-14			
	Related	Percent of children age 2-11 drinking two or more sugar sweetened beverages (other than soda) on	n/a	Health Behaviors	Percentage	32,000			18.8%	no data	State	benchmark	20%	1.20%	California Health Interview Survey			2014			2014		x	
	Related	Percent of children under 18 consuming fast food at least once in past week	n/a	Health Behaviors	Percentage	52,000			72.3%	70.9%	State	benchmark	60.9%	-11.40%	California Health Interview Survey			2014	2011-12		2014			
	Related	Percent of 11th grade students who report eating breakfast on day of survey	n/a	Health Behaviors	Percentage				60.6%	no data	State	benchmark	66.6%	6.00%	California Healthy Kids Survey			2011-13			2011-13			

Health Indicators										Benchmark					Needs Score			Data Details						
Potential Health Needs	Core/Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable	
		Percentage of diabetic Medicare patients who have had a hemoglobin A1c (HbA1c) test administered by a health	n/a	Clinical Care	Percentage					81.5%	84.6%	State	Above benchmark	84.1%	2.60%	Dartmouth College Institute for Health US Census			2012	2012	2012			
		Percent Population Within 1/2 Mile of a Park Recreation and Fitness Facilities, Rate (Per 100,000 Population)	Park Access Recreation and Fitness Facility	Physical Environment	Percentage	252,409	n/a			58.6%	no data	State	Above benchmark	68.0%	9.38%	Bureau,Decennial US Census			2010		2010			
		Percentage of Mothers Breastfeeding (Any)	Any Breastfeeding	Health Behaviors	Percentage	2,033	n/a			8.7	9.4	State	Above benchmark	24.2	15.52	Bureau,County California Department of Public Health,CDPH			2012	2012	2012			
		Percentage of Mothers Breastfeeding (Exclusively)	Exclusively Breastfeeding	Health Behaviors	Percentage	2,033	n/a			93.0%	no data	State	Above benchmark	98.5%	5.53%	California Department of Public Health,CDPH			2012		2012			
		Average Daily School Breakfast Program Participation Rate	School Breakfast Program	Social & Economic Factors	Percentage	no data	n/a			64.8%	no data	State	Below benchmark	88.5%	23.72%	US Department of Agriculture,Food and US Census Bureau, American Community			2012	2013	2013			
		Percentage of Workers Commuting More than 60 Minutes	Work - Economic Security - Food Security -	Social & Economic Factors	Percentage	108,758	n/a			3.9	4.2	State	Below benchmark	no data					2009-13	2009-13	2009-13			
		Percentage of the Population with Food Insecurity	Food Insecurity	Social & Economic Factors	Percentage	252,759	n/a			10.1%	8.1%	State	Below benchmark	11.5%	1.35%	Feeding America University of Wisconsin Population County of Marin, Department of Public County of Marin, Department of Public US Census Bureau, American Community			2012	2012	2012			
		Percentage of Population Potentially Exposed to Unsafe Drinking Water	Drinking Water Safety	Physical Environment	Percentage	257,059	n/a			16.2%	15.9%	State	Below benchmark	11.5%	-4.72%	Feeding America University of Wisconsin Population County of Marin, Department of Public County of Marin, Department of Public US Census Bureau, American Community			2012	2012	2012			
		Percent decrease in pedestrian volume during average weekday afternoon peak hour from 2012 to 2013	n/a	Health Behaviors	Percentage					2.7%	10.3%	State	Above benchmark	0.6%	-2.06%	Wisconsin Population County of Marin, Department of Public County of Marin, Department of Public US Census Bureau, American Community			2012-13	2012-13	2012-13			
		Percent decrease in bicyclist volume during average weekday afternoon peak hour from 2012 to 2013	n/a	Health Behaviors	Percentage					no data	no data	n/a	Above benchmark	19.0%									2013-14	
		Percentage Walking or Biking to Work	Commute to Work - Walking/Biking/Skating to	Health Behaviors	Percentage	121,269	n/a			no data	no data	n/a	Above benchmark	3.0%									2013-14	
		Percentage Walking/Skating/Biking to School	Skating to	Health Behaviors	Percentage	41,558	n/a			3.8%	3.4%	State	Above benchmark	4.9%	1.04%	US Census Bureau, American Community California Health Interview Survey			2009-13	2009-13	2009-13			
										43.0%	no data	State	Below benchmark	38.5%	-4.50%	Interview Survey			2012		2012			
Oral Health	Core	Percent Adults with Poor Dental Health	Poor Dental Health	Health Outcomes	Percentage	197,152	n/a			11.3%	15.7%	State	Below benchmark	6.2%	-5.12%	Centers for Disease Control and Centers for Disease Control and Centers for Disease Control and California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2006-10	2006-10	2006-10			
		Percent of adults who self-report they have not visited a dentist, dental hygienist, or dental clinic within past year	Dental Care - No Recent Exam	Clinical Care	Percentage	197,152	n/a			30.5%	no data	State	Below benchmark	18.4%	-12.10%	California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2013-14	2006-10	2013-14			
		Percent of children age 2-11 who self-report they have not visited a dentist, dental hygienist, or dental clinic	Dental Care - No Recent Exam	Clinical Care	Percentage	32,000	n/a			9.90%	no data	State	Below benchmark	7.8%	-2.10%	California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2014		2014		x	
		Percent Adults Without Dental Insurance	Absence of Dental	Clinical Care	Percentage	189,000	n/a			40.9%	no data	State	Below benchmark	43.3%	2.40%	California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2009		2009			
		Percent of children and teens who could not afford needed dental care / dental care affordability	n/a	Clinical Care	Percentage	50,000	n/a			6.3%	no data	State	Below benchmark	4.7%	-1.60%	California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2009		2009			
	Related	Percentage of Population Living in a Dental HPSA	Professional	Clinical Care	Percentage	252,409	n/a			77.5	63.2	State	Below benchmark	106.1	0	US Department of Health & Human US Department of Health & Human			2013	2013	2013			
		Soda Expenditures, Percentage of Total Food-At-Home Expenditures	Soft Drink Expenditures	Health Behaviors	Percentage	no data	n/a			4.9%	32.0%	State	Below benchmark	0.0%	-4.93%	Health & Human			2015	2015	2015			
		Percent of adults with dental insurance for all or part of past year	n/a	Clinical Care	Percentage	189,000				3.6%	4.0%	State	Below benchmark	suppressed			Nielsen Site Reports California Health Interview Survey California Health Interview Survey California Health Interview Survey University of Wisconsin Population California Health Interview Survey			2014	2014	2014		
		Percent of adults age 65+ with dental insurance for all or part of past year	n/a	Clinical Care	Percentage	37,000				66.3%	no data	State	Above benchmark	64.0%	-2.26%	California Health Interview Survey California Health Interview Survey California Health Interview Survey University of Wisconsin Population California Health Interview Survey			2007		2007			
		Percentage of Population Potentially Exposed to Unsafe Drinking Water	Drinking Water Safety	Physical Environment	Percentage	257,059	n/a			52.7%	no data	State	Below benchmark	46.6%	-6.13%	California Health Interview Survey California Health Interview Survey California Health Interview Survey University of Wisconsin Population California Health Interview Survey			2007		2007			
Overall Health	Core	Percent Adults with Poor or Fair Health (Age-Adjusted)	Poor General Health	Health Outcomes	Percentage	198,881	n/a			2.7%	10.3%	State	Below benchmark	0.6%	-2.06%	University of Wisconsin Population California Health Interview Survey California Health Interview Survey			2012-13	2012-13	2012-13			
		Percent of adults with a physical, mental or emotional disability	n/a	Mental Health	Percentage	198,000	n/a			6.3%	no data	State	Below benchmark	4.7%	-1.60%	California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2015	2015	2015			
		Percent of adults age 65+ with a physical, mental or emotional disability	n/a	Mental Health	Percentage	43,000				3.6%	4.0%	State	Below benchmark	suppressed			Nielsen Site Reports California Health Interview Survey California Health Interview Survey California Health Interview Survey University of Wisconsin Population California Health Interview Survey			2014	2014	2014		
		Percent Low Birth Weight Births	Low Birth Weight	Health Outcomes	Percentage	252,409	n/a			66.3%	no data	State	Above benchmark	64.0%	-2.26%	California Health Interview Survey California Health Interview Survey California Health Interview Survey University of Wisconsin Population California Health Interview Survey			2007		2007			
		Percent Population with a Disability	Any Disability	Demographics	Percentage	248,491	n/a			52.7%	no data	State	Below benchmark	46.6%	-6.13%	California Health Interview Survey California Health Interview Survey California Health Interview Survey University of Wisconsin Population California Health Interview Survey			2007		2007			
		Percent of children age 0-12 considered in excellent or very good health	n/a	Health Outcomes	Percentage	36,000				2.7%	10.3%	State	Below benchmark	0.6%	-2.06%	University of Wisconsin Population California Health Interview Survey California Health Interview Survey			2012-13	2012-13	2012-13			
		Age adjusted death rate, all causes (per 100,000 Pop.)	n/a	Health Outcomes	Rate					6.3%	no data	State	Below benchmark	4.7%	-1.60%	California Health Interview Survey California Health Interview Survey California Health Interview Survey University of Wisconsin Population California Health Interview Survey			2009		2009			
		Child mortality, 1-4 years (per 100,000)	n/a	Health Outcomes	Rate	no data	<=25.7			6.3%	no data	State	Below benchmark	suppressed			California Health Interview Survey California Health Interview Survey California Health Interview Survey University of Wisconsin Population California Health Interview Survey			2015	2015	2015		
		Child mortality, 5-14 years (per 100,000)	n/a	Health Outcomes	Rate	no data	n/a			18.4%	15.7%	State	Below benchmark	9.7%	-8.70%	Centers for Disease Control and Centers for Disease Control and California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2006-12	2006-12	2006-12			
		Premature death/ Years of Potential Life Lost before age 75 (Per 100,000 Pop.)	Mortality - Premature	Health Outcomes	Rate					28.5%	no data	State	Below benchmark	23.9%	-4.60%	California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2014		2014			
Alzheimer's disease mortality rate (age-adjusted) (Per 100,000 Pop.)	n/a	Health Outcomes	Rate					51.0%	no data	State	Below benchmark	57.7%	6.70%	California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2014		2014					
		Percent Low Birth Weight Births	Low Birth Weight	Health Outcomes	Percentage	252,409	n/a			6.8%	no data	State	Below benchmark	6.2%	-0.63%	California Department of Public Health,CDPH US Census Bureau, American Community California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2011		2011			
		Percent Population with a Disability	Any Disability	Demographics	Percentage	248,491	n/a			10.1%	12.1%	State	Below benchmark	9.0%	-1.18%	American Community California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2009-13	2009-13	2009-13			
		Percent of children age 0-12 considered in excellent or very good health	n/a	Health Outcomes	Percentage	36,000				78.7%	no data	State	Below benchmark	93.3%	14.62%	California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2014		2014		x	
		Age adjusted death rate, all causes (per 100,000 Pop.)	n/a	Health Outcomes	Rate					641.1	no data	State	Below benchmark	524.9	-116.18	Centers for Disease Control and Centers for Disease Control and California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2011-13		2011-13			
		Child mortality, 1-4 years (per 100,000)	n/a	Health Outcomes	Rate	no data	<=25.7			20.4	26.0	State	Below benchmark	suppressed			California Health Interview Survey California Health Interview Survey California Health Interview Survey University of Wisconsin Population California Health Interview Survey			2011-13	2011-13	2011-13		
		Child mortality, 5-14 years (per 100,000)	n/a	Health Outcomes	Rate	no data	n/a			10.4	12.9	State	Below benchmark	suppressed			California Health Interview Survey California Health Interview Survey California Health Interview Survey US Department of Health & Human US Department of Health & Human			2011-13	2011-13	2011-13		
		Premature death/ Years of Potential Life Lost before age 75 (Per 100,000 Pop.)	Mortality - Premature	Health Outcomes	Rate					5,275	6,605	State	Below benchmark	3621.6	-1653.00	NVSS-M (CDC/NCHS) California Department of Public Health / US			2011-13	2011-13	2011-13			
		Alzheimer's disease mortality rate (age-adjusted) (Per 100,000 Pop.)	n/a	Health Outcomes	Rate					30.8	no data	State	Below benchmark	38.5	7.70	California Department of Public Health			2011-13		2011-13			
		Percent Low Birth Weight Births	Low Birth Weight	Health Outcomes	Percentage	252,409	n/a			6.8%	no data	n/a	Below benchmark	6.2%	-0.63%	California Department of Public Health,CDPH			2011		2011			

Health Indicators									Benchmark					Needs Score			Data Details							
Potential Health Needs	Core/Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable	
Pregnancy and Birth Outcomes	Core	Infant Mortality Rate (Per 1,000 Births)	Infant Mortality Lack of Prenatal Care	Health Outcomes	Rate	12,775	<= 6.0			5.0	6.5	n/a	Below benchmark	3.3	-1.70	Centers for Disease Control and California Department of Public Health, CDPH			2006-10	2006-10	2006-10			
		Percent Mothers with Late or No Prenatal Care	n/a	Clinical Care	Percentage	252,409	n/a			3.1%	no data	State	Below benchmark	no data			California Department of Public Health, CDPH			2011				
		Percent of pre-term births (< 37 weeks gestation)	n/a	Health Outcomes	Percentage					8.8%	11.4%	State	Below benchmark	8.8%	0.00%	California Department of Public Health / Centers for Disease Control and California Department of Public Health / California Department of Public Health, CDPH			2013	2013	2013			
		Percent of newborns with low birth weight	n/a	Health Outcomes	Percentage					6.8%	8.0%	State	Below benchmark	6.9%	0.10%	Centers for Disease Control and California Department of Public Health / California Department of Public Health, CDPH			2013	2013	2013			
		Percent of newborns with very low birth rates	n/a	Health Outcomes	Percentage					1.2%	1.4%	State	Below benchmark	0.9%	-0.30%	California Department of Public Health / California Department of Public Health, CDPH			2013	2013	2013			
	Teen Birth Rate (Per 1,000 Female Pop. Under Age 20)	n/a	Social & Economic Factors	Rate	27,504	n/a			8.5	no data	State	Below benchmark	2.7	-5.81	California Department of Public Health, CDPH			2011		2011				
	Related	Pounds of pesticides applied and rank among California counties	n/a	Physical Environment	Number					193,597,806	n/a	n/a	n/a	84,836	n/a	California Department of Pesticide Regulation			2013					
		Percent of births by C-section to low risk women giving birth for the first time	n/a	Health Outcomes	Percentage		<=23.9%			26.3%	26.5%	State	Below benchmark	22.2%	-4.10%	California Department of Public Health / California Department of Public Health, CDPH			2011	2011	2011			
		Percentage of Mothers Breastfeeding (Any)	n/a	Health Behaviors	percentage	2,033	n/a			93.0%	no data	State	Above benchmark	98.5%	5.53%	California Department of Public Health, CDPH			2012		2012			
		Percentage of Mothers Breastfeeding (Exclusively)	n/a	Health Behaviors	Percentage	2,033	n/a			64.8%	no data	State	Above benchmark	88.5%	23.72%	California Department of Public Health, CDPH			2012		2012			
Head Start Programs Rate (Per 10,000 Children Under Age 5)		n/a	Social & Economic Factors	Rate	13,932	n/a			6.3	7.6	State	Above benchmark	6.5	0.12	US Department of Health & Human Services			2014	2014	2014				
Percentage of Population Age 3-4 Enrolled in School	n/a	Social & Economic Factors	Percentage	no data	n/a			47.8%	47.1%	State	Below benchmark	66.2%	18.40%	US Census Bureau, American Community Survey			2014	2014	2014					
Percentage of the Population with Food Insecurity	n/a	Social & Economic Factors	Percentage	252,759	n/a			16.2%	15.9%	State	Below benchmark	11.5%	-4.72%	Feeding America			2012	2012	2012					
Substance Abuse/Tobacco	Core	Percent Population Smoking Cigarettes(Age-Adjusted)	Tobacco Usage	Health Behaviors	Percentage	198,881	n/a			12.8%	18.1%	State	Below benchmark	11.0%	-1.80%	Centers for Disease Control and			2006-12	2006-12	2006-12			
		Cigarette Expenditures, Percentage of Total Household Expenditures	Tobacco Expenditures	Health Behaviors	Percentage	no data	n/a			1.0%	1.6%	State	Below benchmark	suppressed			Nielsen Site Reports			2014	2014	2014		
		Percent of 12-17 year olds binge drinking at least once in month prior	n/a	Substance Abuse/Tobacco	Percentage		<=8.6%			5.8%	9.5%	State	Below benchmark	16.2%	10.40%	California Health Interview Survey			2014	2008	2014		x	
		Percent of 11th grade students reporting driving after drinking (respondent or by friend)	n/a	Health Behaviors	Percentage					23.0%	no data	State	Below benchmark	24.2%	1.20%	California Healthy Kids Survey			2011-13		2011-13			
		Percent of 11th grade students using cigarettes any time within last 30 days	n/a	Health Behaviors	Percentage					10.2%	no data	State	Below benchmark	12.1%	1.90%	California Healthy Kids Survey			2011-13		2011-13			
		Percent of 11th graders reporting non-medical use of Rx painkillers	n/a	Health Behaviors	Percentage					19.0%	no data	n/a	Below benchmark	16.0%	-3.00%	California Healthy Kids Survey			2011-13		2011-13			
		Number of naloxone doses administered by Emergency Medical Services	n/a	Health Behaviors	Number			198		n/a	no data	Marin County 2011	Below benchmark	131	-67.00	RxSafe Marin; Marin County Emergency Services			2011		2011			
		Median number of pills per narcotic prescription	n/a	Health Behaviors	Number			45		n/a	no data	Marin County 2011	Below benchmark	56	11.00	Controlled Substance Utilization Review and			2011		2011			
		Number of controlled substance prescriptions	n/a	Health Behaviors	Number			403,561		n/a	no data	Marin County 2011	Below benchmark	412,356	8795.00	Controlled Substance Utilization Review and			2011		2011			
		Percent of 11th grade students reporting marijuana use within the last 30 days	n/a	Health Behaviors	Percentage					22.0%	no data	State	Below benchmark	32.8%	10.80%	California Healthy Kids Survey			2011-13		2011-13			
		Percent of 11th grade students who report they've been "high" from using drugs	n/a	Health Behaviors	Percentage					38.3%	no data	State	Below benchmark	48.7%	10.40%	California Healthy Kids Survey			2011-13		2011-13			
		Percent of survey respondents who think it would be very or somewhat easy to obtain prescription pain,	n/a	Health Outcomes	Percentage					no data	no data	n/a	Below benchmark	48.1%		RxSafe Marin County Survey								2015
		Drug poisoning deaths (total)	n/a	Health Outcomes	Number			21		n/a	no data	Marin County 2011	Below benchmark	39	18.00	California Department of Public Health			2011		2011			2013
		Drug poisoning deaths (unintentional)	n/a	Health Outcomes	Number			13		n/a	no data	Marin County 2011	Below benchmark	27	14.00	California Department of Public Health			2011		2011			2013
	Percent of survey respondents with pills leftover from last pain medication prescription	n/a	Clinical Care	Percentage					no data	no data	n/a	Below benchmark	45.4		RxSafe Marin County Survey								2015	
	Percent of survey respondents with pills leftover from last pain medication prescription who kept, sold, or	n/a	Clinical Care	Percentage					no data	no data	n/a	Below benchmark	61.7		RxSafe Marin County Survey								2015	
	Percent of survey respondents with expired, unused, or "leftover" prescription medication in their home	n/a	Clinical Care	Percentage					no data	no data	n/a	Below benchmark	25		RxSafe Marin County Survey								2015	
	Estimated Adults Drinking Excessively(Age-Adjusted Percentage)	n/a	Health Behaviors	Percentage	198,881	n/a			17.2%	16.9%	State	Below benchmark	19.5%	2.30%	Centers for Disease Control and			2006-12	2006-12	2006-12				
	Alcoholic Beverage Expenditures, Percentage of Total Food-At-Home Expenditures	n/a	Health Behaviors	Percentage	no data	n/a			12.9%	14.3%	State	Below benchmark	suppressed			Nielsen Site Reports			2014	2014	2014			
	Related	Rate of arrests for alcohol related offenses (felony and misdemeanor) among persons age 10 to 69 years (Per	n/a	Social and Economic Factors	Rate					1203.0	no data	State	Below benchmark	1501.0	298.00	CA-Community Prevention Initiative			2008		2008			
		Percent of adult smokers who attempted to quit for at least one day in the past year	n/a	Health Behaviors	Percentage					60.7%	no data	State	Below benchmark	43.4%	-17.30%	California Health Interview Survey			2014		2014			
		Chronic liver disease and cirrhosis mortality rate (Per 100,000 Pop.)	n/a	Health Outcomes	Rate		<= 8.2			11.7	no data	State	Below benchmark	6.0	-5.70	California Department of Public Health, Marin County			2011-13		2011-13			
		Total number of homeless individuals	n/a	Social and Economic Factors	Number					no data	no data	n/a	n/a	1309		Homeless Point-in-Marin County								2015
		Total number of unsheltered homeless individuals	n/a	Social and Economic Factors	Number					no data	no data	n/a	n/a	835		Homeless Point-in-								2015

Health Indicators								Benchmark					Needs Score			Data Details								
Potential Health Needs	Core/Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable	
		Liquor Stores, Rate (Per 100,000 Population)	Liquor Store Access	Physical Environment	Rate	252,409	n/a		10.0	10.4	State	State	Below benchmark	8.7	-1.30	US Census Bureau, County			2012	2012	2012			
Vaccine Preventable Infectious Disease	Core	Percent of kindergarteners with all required immunizations	n/a	Clinical Care	Percentage		>= 95.0		90.4%		no data	State	Above benchmark	84.2%	-6.20%	California Department of Public Health, Centers for Disease Control and			2015		2015			
		Percentage of adults age 65+ who have ever received a pneumonia vaccination	n/a	Clinical Care	Percentage					63.4%		67.5%	State	Above benchmark	64.3%	0.90%	California Department of Public Health, California Department of Public Health			2006-12	2006-12	2006-12		
		Pertussis rate (Per 100,000 Pop.)	n/a	Health Outcomes	Rate					6.3		no data	State	Below benchmark	71.8	65.50				2013		2013		
		Influenza and pneumonia mortality (age-adjusted) (Per 100,000 Pop.)	n/a	Health Outcomes	Rate					16.3		no data	State	Below benchmark	10.8	-5.50				2011-13		2011-13		
Violence/Injury Prevention	Core	Homicide, Age-Adjusted Mortality Rate (Per 100,000 Pop.)	Mortality - Homicide	Health Outcomes	Rate	252,409	<= 5.5		5.2		no data	State	Below benchmark	1.3	-3.87	University of Missouri, Center for University of			2010-12		2010-12			
		Suicide, Age-Adjusted Mortality Rate (Per 100,000 Pop.)	Suicide	Health Outcomes	Rate	252,409	<= 10.2		9.8		no data	State	Below benchmark	12.8	3.03	University of Missouri, Center for University of			2010-12		2010-12			
		Motor Vehicle Accident, Age-Adjusted Mortality Rate (Per 100,000 Pop.)	Mortality - Motor Vehicle	Health Outcomes	Rate	252,409	<= 12.4		5.2		no data	State	Below benchmark	0.7	-4.52	Missouri, Center for Centers for Disease Control and			2010-12		2010-12			
		Motor vehicle crash death rate (age-adjusted) (Per 100,000 Pop.)	n/a	Health Outcomes	Rate					8.0		no data	State	Below benchmark	3.9	-4.10	U.S. Department of Transportation, University of			2011-13		2011-13		
		Pedestrian motor vehicle death rate (Per 100,000 Pop.)	n/a	Health Outcomes	Rate					2.0		no data	State	Below benchmark	no data					2011-2013				
		Pedestrian Accident, Age-Adjusted Mortality Rate (Per 100,000 Pop.)	Mortality - Pedestrian	Health Outcomes	Rate	252,409	<= 1.3		2.0		no data	State	Below benchmark	0.3	-1.68	Missouri, Center for 3-year averages for 2011-2013 generated			2010-12		2010-12			
		Youth Intentional Injuries Rate (Per 100,000) (Youth Age 13 - 20)	Violence - Youth Intention/al	Social & Economic Factors	Rate	22,733	n/a			738.7		no data	State	Below benchmark	654.0	-84.75	Centers for Disease Control and 3-year averages for 2011-2013 generated			2011-13		2011-13		
		Unintentional injury mortality rate (age-adjusted) (Per 100,000 Pop.)	n/a	Health Outcomes	Rate					27.9		no data	State	Below benchmark	29.1	1.20	Centers for Disease Control and 3-year averages for 2011-2013 generated			2011-13		2011-13		
		Assault Injuries Rate (Per 100,000 Pop.)	Violence - Assault (Injury)	Social & Economic Factors	Rate	254,673	n/a			290.3		no data	State	Below benchmark	190.2	-100.12	3-year averages for 2011-2013 generated			2011-13		2011-13		
		Domestic Violence Injuries Rate among Females Age 10+ (Per 100,000 Pop.)	Violence - Domestic Violence -	Social & Economic Factors	Rate	115,861	n/a			9.5		no data	State	Below benchmark	15.3	5.75	3-year averages for 2011-2013 generated			2011-13		2011-13		
	Assault Rate (Per 100,000 Pop.)	Assault (Crime)	Social & Economic Factors	Rate	255,060	n/a			249.4		246.9	State	Below benchmark	128.1	-121.33	Federal Bureau of Investigation, FBI			2010-12	2010-12	2010-12			
	Substantiated allegations of child maltreatment (abuse and neglect) per 1,000 children ages 0-17	n/a	Health Outcomes	Rate					8.7		no data	State	Below benchmark	4.0	-4.70	California Child Welfare Indicators			2014		2014			
	Non-fatal emergency department visits for intentional injuries among youth age 13-20	n/a	Health Outcomes	Rate					738.7		no data	State	Below benchmark	no data					2011-13					
	Rate of non-fatal emergency department visits for assault (Per 100,000 Pop.)	n/a	Social and Economic Factors	Rate					290.3		no data	State	Below benchmark	no data					2011-13					
	Percent of adults reporting experiencing physical or sexual violence by an intimate partner in past year	n/a	Social and Economic Factors	Percentage	154,000				3.5%		no data	State	Below benchmark	1.7%	-1.80%	California Health Interview Survey			2009		2009			
	Percent of adults reporting ever experiencing physical or sexual violence by an intimate partner since age 18	n/a	Social and Economic Factors	Percentage	154,000				14.8%		no data	State	Below benchmark	15.4%	0.60%	California Health Interview Survey			2009		2009			
	Robbery Rate (Per 100,000 Pop.)	Robbery (Crime)	Social & Economic Factors	Rate	255,060	n/a			149.5		116.4	State	Below benchmark	57.5	-92.00	Federal Bureau of Investigation, FBI			2010-12	2010-12	2010-12			
	Related	Related	Rate of domestic violence calls for assistance (Per 1,000 Pop.)	n/a	Social & Economic Factors	Rate				5.1		no data	State	Below benchmark	4.1	-1.00	California Department of Justice, Criminal			2013		2013		
			Violent Crime Rate (Per 100,000 Pop.)	Violence - All Violent Crimes	Social & Economic Factors	Rate	255,060	n/a		425.0		395.5	State	Below benchmark	202.7	-222.30	Federal Bureau of Investigation, FBI			2010-12	2010-12	2010-12		
			Percentage of 11th grade students reporting current gang involvement	n/a	Social and Economic Factors	Percentage					7.5%		no data	State	Below benchmark	6.3%	-1.20%	California Healthy Kids Survey			2011-13		2011-13	
Estimated Adults Drinking Excessively(Age-Adjusted Percentage)			Alcohol - Excessive	Health Behaviors	Percentage	198,881	n/a			17.2%		16.9%	State	Below benchmark	19.5%	2.30%	Centers for Disease Control and			2006-12	2006-12	2006-12		
Alcoholic Beverage Expenditures, Percentage of Total Food-At-Home Expenditures			Alcohol - Expenditures	Health Behaviors	Percentage	no data	n/a			12.9%		14.3%	State	Below benchmark	suppressed					2014	2014	2014		
Percent of 11th grade students reporting driving after drinking (respondent or by friend)			n/a	Health Behaviors	Percentage					23.0%		no data	State	Below benchmark	24.2%	1.20%	Nielsen Site Reports			2011-13		2011-13		
Liquor Stores, Rate (Per 100,000 Pop.)			Liquor Store Access	Physical Environment	Rate	252,409	n/a			10.0		10.4	State	Below benchmark	8.7	-1.30	California Healthy Kids Survey			2011-13		2011-13		
Rape Rate (Per 100,000 Pop.)			Violence - Rape (Crime)	Social & Economic Factors	Rate	255,060	n/a			21.0		27.3	State	Below benchmark	16.3	-4.66	US Census Bureau, County			2012	2012	2012		
Suspension Rate (Per 100 enrolled students)			Violence - School	Social & Economic Factors	Rate	65,437	n/a			4.0		no data	State	Below benchmark	2.1	-1.94	Federal Bureau of Investigation, FBI			2010-12	2010-12	2010-12		
Expulsion Rate (per 100 enrolled students)			Violence - School	Social & Economic Factors	Rate	65,437	n/a			0.1		no data	State	Below benchmark	0.0	-0.04	California Department of Education			2013-14		2013-14		
		Percent of English language learners (grade 10) who passed the California High School Exit Exam in English	n/a	Social and Economic Factors	Percentage				38.0%		n/a	State	Above benchmark	26.0%	-12.00%	California Department of Education			2013-14		2014			
		Percent of English language learners (grade 10) who passed the California High School Exit Exam in Math	n/a	Social and Economic Factors	Percentage					54.0%		n/a	State	Above benchmark	37.0%	-17.00%	California Department of Education			2013-14		2014		
		Suspension Rate (per 100 enrolled students)	Violence - School	Social & Economic Factors	Rate	65,437	n/a			4.0		no data	State	Below benchmark	2.1	-1.94	California Department of Education			2013-14		2013-14		
		Expulsion Rate (per 100 enrolled students)	Violence - School	Social & Economic Factors	Rate	65,437	n/a			0.1		no data	State	Below benchmark	0.0	-0.04	California Department of Education			2013-14		2013-14		
		Cohort Graduation Rate (Percent of students graduating in 4 years)	School Education - High	Social & Economic Factors	Rate	2,226	>= 82.4		80.4		no data	State	Above benchmark	91.4	10.98	California Department of Education			2013		2013			

Health Indicators								Benchmark					Needs Score			Data Details									
Potential Health Needs	Core/Related	Indicator	Kaiser Indicator Name	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Marin county previous time point	Greater Bay Area	State Benchmark	National Benchmark	Benchmark used to score	Desired Direction	Value for Marin County	Difference from the Benchmark Value	Data Source	Marin previous data year	Greater Bay Area data year	State data year	National data year	Marin County data year	State data statistically unstable	County data statistically unstable		
Youth Development	Core	Teen Birth Rate (Per 1,000 Female Pop. Under Age 20)	Teen Births (Under Age 20)	Social & Economic Factors	Rate	27,504	n/a		8.5	no data	State		Below benchmark	2.7	-5.81	California Department of Public Health,			2011		2011				
		Percent of 11th grade students who report they've been victims of cyber bullying in the past 12 months	n/a	Health Outcomes	Percentage					23.2%	no data	State		Below benchmark	23.8%	0.60%	California Healthy Kids Survey			2011-13		2011-13			
		Percent of 11th grade students reporting harassment on school property related to their sexual orientation	n/a	Health Outcomes	Percentage					7.6%	no data	State		Below benchmark	6.6%	-1.00%	California Healthy Kids Survey			2011-13		2011-13			
		Percent of 11th grade students reporting harassment or bullying on school property within the past 12 months	n/a	Health Outcomes	Percentage					27.6%	no data	State		Below benchmark	24.7%	-2.90%	California Healthy Kids Survey			2011-13		2011-13			
		Percentage of 11th grade students reporting current gang involvement	n/a	Social and Economic Factors	Percentage					7.5%	no data	State		Below benchmark	6.3%	-1.20%	California Healthy Kids Survey			2011-13		2011-13			
		Percent of children in foster care system for more than 8 days but less than 12 months with 2 or less	n/a	Social and Economic Factors	Percentage					86.6%	no data	State		Above benchmark	81.8%	-4.80%	California Child Welfare Indicators			2014		2014			
		Percent of children no longer in foster care system after 12 months	n/a	Social and Economic Factors	Percentage		no data	n/a		38.3%	no data	State		Above benchmark	suppressed			California Child Welfare Indicators			2013		2013		

Marin County, CA

Health Indicators							Benchmark	Race/Ethnic Group Data																			
Potential Health Needs	Core/Related	Indicators	MATCH Category	Measure Type	Population Denominator	HP 2020 Value	Report Area Benchmark	Desired Direction	Non-Hispanic White	Non-Hispanic Black	Non-Hispanic Native American/Alaskan Native	Non-Hispanic Asian	Non-Hispanic Native Hawaiian/Pacific Islander	Non-Hispanic Other	Non-Hispanic Multiple Race	White Alone	Black Alone	Native American/Alaskan Native Alone	Asian Alone	Native Hawaiian/Pacific Islander Alone	Some Other Race Alone	Multiple Race	Hispanic/Latino (Any Race)	Not Hispanic/Latino (Any Race)			
Obesity/HEAL/ Diabetes	Core	Overweight (Youth)	Health Outcomes	Percentage	7,276	n/a	16.32%	below benchmark		13.45%							17.12%						19.41%	22.33%			
		Low Fruit/Vegetable Consumption (Youth)	Health Behaviors	Percentage	31,000	n/a	50.10%	below benchmark		65.70%															27.60%		
		Physical Inactivity (Youth)	Health Behaviors	Percentage	7,276	n/a	23.72%	below benchmark		18.08%	37.86%		19.07%			25.97%										41.41%	
	Related	Breastfeeding (Any)	Health Behaviors	Percentage	2,033	n/a	98.52%	above benchmark		98.42%	100.00%		100.00%		100.00%											98.18%	
		Breastfeeding (Exclusive)	Health Behaviors	Percentage	2,033	n/a	88.49%	above benchmark		90.42%	84.09%		82.61%		81.82%											87.59%	
		Walking/Biking/Skating to School	Health Behaviors	Percentage	41,558	n/a	0.38%	above benchmark		0.37%	0.92%				0.287											0.42	
Mental Health	Core	Mortality - Suicide	Health Outcomes	Rate	252,409	<= 10.2	12.83	below benchmark		13.311539							12.462001		9.24451				0	6.209172			
Access to Care	Related	Mental Health - Needing Mental Health Care	Health Outcomes	Percentage	245,000	n/a	11.60%	below benchmark		22.20%	40.30%			11.80%										24.90%			
Asthma	Related	Insurance - Uninsured Population	Social & Economic Factors	Percentage	248,491	n/a	8.91%	below benchmark		5.18%							15.67%	27.09%		7.47%	33.07%		10.98%	26.57%	5.72%		
	Related	Overweight (Youth)	Health Outcomes	Percentage	7,276	n/a	16.32%	below benchmark		13.45%								17.12%					19.41%	22.33%			
Oral Health	Core	Absence of Dental Insurance Coverage	Clinical Care	Percentage	189,000	n/a	43.30%	below benchmark		34.44%																	
CVD/Stroke	Core	Heart Disease Prevalence	Health Outcomes	Percentage	194,000	n/a	7.30%	below benchmark		9.10%															3.80%		
		Mortality - Ischaemic Heart Disease	Health Outcomes	Rate	252,409	<= 100.8	107.93	below benchmark		112.748139								174.54478		86.237659				49.343922	24.431514		
	Related	Mortality - Stroke	Health Outcomes	Rate	252,409	n/a	27.55	below benchmark		27.627009								53.038065		16.952954				3.989346	20.313126		
		Physical Inactivity (Youth)	Health Behaviors	Percentage	7,276	n/a	23.72%	below benchmark		18.08%	37.86%		19.07%		25.97%										41.41%		
Violence/Injury Prevention	Core	Overweight (Youth)	Health Outcomes	Percentage	7,276	n/a	16.32%	below benchmark		13.45%															19.41%	22.33%	
		Mortality - Homicide	Health Outcomes	Rate	252,409	<= 5.5	1.28	below benchmark		0.897483									4.895692		0			0	0.7278		
	Related	Mortality - Suicide	Health Outcomes	Rate	252,409	<= 10.2	12.83	below benchmark		13.311539								12.462001		9.24451				0	6.209172		
		Mortality - Motor Vehicle Accident	Health Outcomes	Rate	252,409	<= 12.4	0.66	below benchmark		0.325882									0		1.517075			2.757478	0.7278		
Cancers	Core	Mortality - Pedestrian Accident	Health Outcomes	Rate	252,409	<= 1.3	0.29	below benchmark		0.106556									0		1.517075			0	0		
		Cancer Incidence - Breast	Health Outcomes	Rate	127,211	<= 40.9	143.7	below benchmark										151.8							122.5		
		Mortality - Cancer	Health Outcomes	Rate	252,409	<= 160.6	146.68	below benchmark		150.160192									187.18963		122.33169			81.032266	60.946421		
	Related	Cancer Incidence - Cervical	Health Outcomes	Rate	127,211	<= 7.1	5	below benchmark										5.9								171	
		Cancer Incidence - Colon and Rectum	Health Outcomes	Rate	250,666	<= 38.7	40.4	below benchmark											40.1							43.5	
		Cancer Incidence - Prostate	Health Outcomes	Rate	123,455	n/a	174.2	below benchmark											184.5	244.2						171	
HIV/AIDS/STDs	Core	Cancer Incidence - Lung	Health Outcomes	Rate	250,666	n/a	44.8	below benchmark										45.8	54.5						37.3		
	Core	STD - HIV Prevalence	Health Outcomes	Rate	215,041	n/a	426.8	below benchmark		319.11	3484.32														520.53		
Maternal and Infant Health	Core	Infant Mortality	Health Outcomes	Rate	12,775	<= 6.0	3.3	below benchmark		2.6	-9999														-9999		
	Related	Breastfeeding (Any)	Health Behaviors	percentage	2,033	n/a	98.52%	above benchmark		98.42%	100.00%		100.00%		98.99%										98.18%		
Economic Security	Core	Breastfeeding (Exclusive)	Health Behaviors	Percentage	2,033	n/a	88.49%	above benchmark		90.42%	84.09%		82.61%		81.82%										87.59%		
		Poverty - Population Below 100% FPL	Social & Economic Factors	Percentage	247,026	n/a	7.74%	below benchmark										6.25%	24.69%	34.11%		9.39%	16.26%	8.98%	17.53%	5.98%	
	Related	Poverty - Children Below 100% FPL	Social & Economic Factors	Percentage	247,026	n/a	8.94%	below benchmark		4.19%																20.74%	
		Education - High School Graduation Rate	Social & Economic Factors	Rate	2,226	>= 82.4	91.42	below benchmark		94.86	80.26		95.31		91.8											83.02	
		Education - Reading Below Proficiency	Social & Economic Factors	Percentage	2,492	<= 36.3%	19.00%	below benchmark		0.98%	8.33%	0.00%	1.61%													10.03%	
		Education - Less than High School Diploma (or Equivalent)	Social & Economic Factors	Percentage	187,029	n/a	7.62%	below benchmark											3.94%	22.17%	27.57%		19.38%	43.68%	13.82%	34.46%	
Climate and Health	Related	Insurance - Uninsured Population	Social & Economic Factors	Percentage	248,491	n/a	8.91%	below benchmark		5.18%															26.57%		
		Mortality - Ischaemic Heart Disease	Health Outcomes	Rate	252,409	<= 100.8	107.93	below benchmark		112.748139									174.54478		86.237659		7.47%	33.07%	10.98%	24.431514	
Overall Health	Core	Population with Any Disability	Demographics	Percentage	248,491	n/a	8.95%	below benchmark										9.36%	14.86%	19.79%		6.70%	3.45%	7.55%	4.94%	9.67%	

Marin County Community Health Needs Assessment

Appendix C. Community Input Tracking Form

Data Collection Method	Title/Name	Number	Target Group(s) Represented (interviewee or at least one participant in the focus group self-identified as a leader, member, or representative of the following populations)*					Date Input Was Gathered
			Health Department representative	Chronic Condition	Minority	Medically underserved	Low-income	
Meeting, focus group, interview, survey, written correspondence, etc.	Respondent's title/role and name or focus group population	Number of participants						Date of data collection
Interview	Executive Director, Apple Family Works	1		X	X		X	10/9/15
Interview	Executive Director, Canal Alliance	1						9/22/15
Interview	Executive Director, Coastal Health Alliance	1				X	X	9/22/15
Interview	Founder & Chairman, ExtraFood.org	1						10/21/15
Interview	Deputy Executive, Homeward Bound	1					X	9/23/15
Interview	Executive Director, Huckleberry Youth Program	1			X	X	X	10/2/15
Interview	Medical Group Administrator, Kaiser Permanente Medical Center	1						10/13/15
Interview	Executive Director, Marin Center for Independent Living	1		X	X	X	X	10/1/15

Marin County Community Health Needs Assessment

Appendix C. Community Input Tracking Form

Meeting, focus group, interview, survey, written correspondence, etc.	Respondent's title/role and name or focus group population	Number of participants	Health Department representative	Chronic Condition	Minority	Medically underserved	Low-income	Date of data collection
Interview	Chief Executive Officer, Marin Community Clinics	1		X	X	X	X	9/24/15
Interview	President, Marin County Board of Supervisors	1						9/28/15
Interview	Public Health Officer, Marin County Health & Human Services	1	X					10/21/15
Interview	County Superintendent of Schools, Marin County Office of Education	1		X	X	X	X	10/2/15
Interview	Chief Administrative Officer, Marin General Hospital	1						10/2/15
Interview	Chief Administrative Officer, Novato Community Hospital	1		X	X	X	X	9/25/15
Interview	Medical Director, RotaCare Clinic of San Rafael	1		X	X	X	X	9/22/15
Interview	Chief Executive Officer, Whistlestop	1		X	X	X	X	9/22/15
Interview	Executive Director, Marin YMCA	1		X			X	9/24/15
Interview	General Manager, Marin City Community Services District	1			X	X	X	10/2/15
Interview	Police Chief, San Rafael	1		X	X	X	X	10/21/15
Interview	Director of Special Education, Novato Unified School District	1			X			10/27/15

Marin County Community Health Needs Assessment

Appendix C. Community Input Tracking Form

Meeting, focus group, interview, survey, written correspondence, etc.	Respondent's title/role and name or focus group population	Number of participants	Health Department representative	Chronic Condition	Minority	Medically underserved	Low-income	Date of data collection
Focus Group	Marin County; Youth (English)	4		X	X		X	10/5/15
Focus Group	Marin City; Adults (English)	17		X	X	X	X	10/5/15
Focus Group	Marin County; Residents in recovery from substance abuse (English)	8		X	X	X	X	10/8/15
Focus Group	Novato; Adults (Spanish)	13		X	X	X	X	10/8/15
Focus Group	San Geronimo; Adults (English)	11		X			X	10/14/15
Focus Group	Canal; Adults (Spanish)	13		X	X	X	X	10/14/15
Focus Group	Novato; Residents experiencing homelessness (English)	14		X	X	X	X	10/13/15
Focus Group	West Marin; Adults (Spanish)	10		X	X	X	X	10/22/15

* Indicates self-identification of interviewees or focus group participants as a leader, member, or representative of each specified population. In some cases, individuals did not self-identify as a representative of any of the listed groups.

Marin County Community Health Needs Assessment

Appendix D. Primary Data Collection Tools Key Informant Interview Protocol

Date: _____

Interviewee ID: _____

Interviewee Name: _____

Position: _____

Organization: _____

Interviewer: _____

Introduction

Hello, my name is _____ and I work for Harder+Company Community Research. We are working with Healthy Marin Partnership and several non-profit hospitals in Marin on a comprehensive Community Health Needs Assessment (CHNA).

You have been identified as an individual with extensive and important knowledge of the *[Marin County Community / Specific subpopulation of Marin County]* that can help us with the CHNA -- to help ensure that we get a clear picture of health-related issues that impact our Marin County residents. We are very interested in having you share thoughts and ideas that go beyond access to medical care, taking into consideration social, economic, and environmental factors that impact health. Your input will inform the development of the CHNA as well as a community health implementation plan for all of Marin County

This interview will take about 30-45 minutes. Our discussion today will be incorporated into the Community Health Needs Assessment for Marin County. Everything we talk about today is confidential. That means that when I write up a report of what was said, I won't use your name or any other information to identify who you are. However, there is always a chance that someone is able to identify what you said.

Do you have any questions so far?

Before we start talking about the specifics, I want to make sure you know that, during this interview:

There is no right or wrong answer, just your ideas.

It's ok if you don't have an answer or opinion about a particular question. It is just as important for us to know that too. "I don't know" is an ok thing to say. And finally,

If at any time while we are talking you are not sure what I mean or have questions, do not hesitate to ask questions and let me know.

I would like to take notes and record during the interview so that I make sure that I get your statements exactly how you stated them.

Is it ok for me to take notes? Great! Just as a reminder, since I will be typing notes, there might be some short delays to make sure I am able to capture everything you say.

Is it ok for me to record our conversation?

Before we begin, do you have any questions?

Questions

1. a) Would you give me a brief description of your organization, and your role there?
b) Within Marin County, what geographic area do you primarily serve?

2. a) What are the **most important health needs** that have the greatest impact on overall health in Marin County?
b) What are the specific populations that are most adversely affected by the health problems you just mentioned? (e.g., *Latinos, postpartum women, seniors*)
c) The following were identified as priority health issues during the previous CHNA process in 2013:
 - i. Significant Health Issues:
 1. **Poor mental health**
 2. **Substance abuse**
 3. **Health Care Access**
 4. **Poverty/Income inequality**
 5. **Healthy eating / Active living**

Can you tell me how aware you are of these health issues? How do they impact overall health in Marin County?

d) What existing community assets and resources could be used to address these health issues and inequities [and the health issues you think are most important]?

3. a) What health behaviors do you think have the biggest influence on the issues we just discussed in your community?

b) The following were identified as significant health behaviors during the previous CHNA process in 2013:

- i. Significant information about health behaviors from 2013 CHNA:
 1. 21.5% of adults reported that they needed help for emotional/mental health problem or use of alcohol/drugs
 2. 55% of 11th graders reported using alcohol or drugs, not including tobacco
 3. 10.4% of people were lacking a consistent source of primary care
 4. 8.2% of adults did not graduate high school; 63.1% of adults in Canal area of San Rafael did not graduate high school
 5. 70.6% of adults were getting moderate exercise

Can you tell me how aware you are of these health behaviors? How do they impact overall health in Marin County?

c) What existing community assets and resources could be used to address these health issues and inequities [i.e. the health issues we just mentioned or those you identified earlier]?

4. a) Are you aware of social factors that influence on the issues we've discussed for your clients/your community? If so, what social issues have the largest influence on these health issues?

b) Are you aware of economic factors that influence the issues we've discussed for your clients/your community? If so, what economic issues have the largest influence on these health issues?

c) The following were identified as socioeconomic conditions in Marin during the previous CHNA process in 2013:

- i. Significant information about socioeconomic conditions:
 1. 45.6% of adults were paying higher than 30% of total household income for housing.
 2. 17.2% of residents had incomes below 200% of Federal Poverty Line
 3. 6.7% were unemployed
 4. Median household income was \$89,268
 5. 2,094 unmet subsidized child care slots existed in Marin

Can you tell me how aware you are of these socioeconomic conditions? How do they impact overall health in Marin County?

d) What existing community resources could be used to address these health issues and inequities?

5. a) Are you aware of environmental factors that influence the issues we've discussed for your clients/your community? If so, which factors have the biggest influence on overall health in your community?

b) The following were identified as environmental conditions in Marin during the previous CHNA process in 2013:

- i. Significant information about environmental issues:
 1. 2.5% of housing units were overcrowded
 2. San Rafael had 113.9 liquor stores per every 100,000 people
 3. 3.8% of housing units in Marin were categorized as affordable housing
 4. 2.5% of housing units were overcrowded
 5. 24.2 recreation and fitness facility establishments were available in Marin per 100,000 residents

Can you tell me how aware you are of these environmental factors? How do they impact overall health in Marin County?

c) What existing community resources could be used to address these health issues and inequities?

6. What are the **challenges** Marin County faces in addressing the health needs you mentioned previously?

- a) Are there any current trends that may have an important impact on the health of Marin County residents?
 - b) Are there any challenges that may impact economic opportunities in the community? Access to health care services? Community engagement? Public safety?
7. a) Do you have suggestions for **systems-level collaborations or changes** that could help to address the inequities we just talked about?
- b) Looking across all sectors, who are some **current or potential community partners** that we have not yet engaged who could help to impact these issues?

We have a brief demographics question we would like to ask. These are strictly for tracking purposes and you do not have to answer these questions if you don't want to.

8. Do you identify as a leader, representative, or member of any of the following communities?
Please select all that apply.
- Individuals with chronic conditions
 - Minorities
 - Medically underserved
 - Low-income

Those are all the questions I have for you today. Do you have anything else you would like to add?

Thank you for taking the time to have this conversation! The information that you provided will be very helpful not only for the needs assessment but also in crafting actions to address those needs.

Focus Group Protocol

Hi everyone. My name is _____ and I will be facilitating today's group. This is _____ and he/she will be taking notes and may jump in with any additional questions throughout the group.

First, we want to thank you for agreeing to be a part of this discussion, which will last about 1-2 hours. Marin County healthcare workers really want to improve the health of your community, and many of those people are sitting at the table together to think about the best ways to do this. The information we gather today will be used as part of a collaborative needs assessment that will help Kaiser Permanente, Sutter Health, Marin General Hospital, Health and Human Services, and Healthy Marin Partnership to work together to determine what they can do to improve health in Marin County. Additionally, as a part of the Affordable Care Act, the federal government requires nonprofit hospitals to conduct community health needs assessments every three years, and to use the results of these assessments to implement plans to improve community health. This assessment will also fulfill this requirement for the hospitals.

In this health needs assessment, we want to be sure to bring in voices that are not always represented. One of the reasons we are having this focus group is because we are really interested in the needs of [XX group] across the county. Please keep this lens in mind as we talk about your experience in your community.

Before we begin, I'd like to talk about a few guidelines for our discussion.

- **There are no right or wrong answers.**
- **Every opinion counts.** We will respect other's opinions. It is perfectly fine to have a different opinion than others in the group, and you are encouraged to share your opinion even if it is different.
- **Everyone should have an equal chance to speak.** Please speak one at a time and do not interrupt anyone else.
- **Do not hesitate to ask questions** if you are not sure what we mean by something.
- Because we have a limited amount of time and a lot to discuss, I may need to interrupt you to give everyone a chance to speak, or to get to all the questions.
- **What's said here, stays here. Everything we discuss today is completely confidential.** We will summarize what the group had to say, but will not tell anyone who said what. Your names will never be mentioned. We also ask that you not repeat what is said here outside this room.
- **We'd also like to record our conversation.** Our note taker will be taking notes so that we remember what people had to say, but we'd also like to record the conversation to ensure we have the most accurate information possible. Is that okay?

How do these guidelines sound to everyone? Do you have any questions before we begin?

Introductions/Background

- 1) Let's start by introducing ourselves. Please tell us very briefly your first name, the town/city you live in, and one thing that you are proud of about your community.

Quality of life in community

- 2) Briefly, please describe what it is like to live in your community.
- 3) From your perspective, what are the biggest health issues among [subpopulation]?
 - 3a. Of the health issues you've mentioned, which would you say are the most important or urgent to address? Why?
- 4) What do you think are some of the biggest reasons why these health issues occur in your community?
 - 4b) What things keep you and your family from being as healthy as they could be?
- 5) From your perspective, what health services are lacking for you and the people you know in your community?
 - 5b) From your perspective, what health services are difficult to access for you and the people you know in your community?
 - Follow up: What other challenges keep individuals from seeking help?
- 6) Has the Affordable Care Act [may also be known as Covered California, Obamacare] had any impact on you or the people you know in your community?

Community Assets, Barriers, and Gaps

- 7) Outside of healthcare, what resources exist in your community to help you and the people you know to live healthy lives?
 - 7a) What are the barriers to accessing these resources?
 - 7b) What resources are missing?

What is needed to improve health?

- 8) What do you think is [or who is] needed to improve your health or the health of the people you know in your community?
- 9) Is there anything else you would like to share with our team about the health of your community [that hasn't already been addressed]?

Please make sure to fill out the quick survey before you leave!
Thank you so much for your time!

Focus Group Demographic Survey

Thank you for participating in today's discussion group. We would like to ask you a few questions to understand who attended our groups. This survey is VOLUNTARY which means that do not have to participate. It is anonymous- your answers will not be tied to your name or any other personal information and we will report answers of the group as a whole.

1. What race/ethnicity do you identify as? (Please select all that apply.)

- | | | | |
|---|--|------------------------------------|--|
| <input type="checkbox"/> Black/African American | <input type="checkbox"/> Asian (if checked, please select a choice below): | | |
| <input type="checkbox"/> White/Caucasian | <input type="checkbox"/> Cambodian | <input type="checkbox"/> Chinese | <input type="checkbox"/> Korean |
| <input type="checkbox"/> Hispanic/Latino | <input type="checkbox"/> Hmong | <input type="checkbox"/> Pakistani | <input type="checkbox"/> Laotian |
| <input type="checkbox"/> Native American | <input type="checkbox"/> Vietnamese | <input type="checkbox"/> Japanese | <input type="checkbox"/> East Indian |
| | <input type="checkbox"/> Filipino | <input type="checkbox"/> Thai | <input type="checkbox"/> Native Hawaiian or Pacific Islander |
| | <input type="checkbox"/> Other: _____ | | |

2. What is your current gender identity? (Check one that best describes your current gender identity.)

- | | | |
|---|--------------------------------------|---|
| <input type="checkbox"/> Male | <input type="checkbox"/> Female | <input type="checkbox"/> Genderqueer / Gender non-conforming |
| <input type="checkbox"/> Trans man | <input type="checkbox"/> Trans woman | <input type="checkbox"/> Another gender identity (Fill in the blank.) |
| <input type="checkbox"/> Declined to answer | | _____ |

3. Do you identify as a leader, representative, or member of any of the following communities? (Please select all that apply.)

- | | |
|--|--|
| <input type="checkbox"/> Individuals with chronic conditions | <input type="checkbox"/> Medically underserved |
| <input type="checkbox"/> Minorities | <input type="checkbox"/> Low-income |

4. What is your age group?

- | | |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> 14-24 | <input type="checkbox"/> 45-54 |
| <input type="checkbox"/> 25-34 | <input type="checkbox"/> 54-60 |
| <input type="checkbox"/> 35-44 | <input type="checkbox"/> 60+ |

6. What would you estimate your yearly household income is?

- | | |
|---|---|
| <input type="checkbox"/> \$0 to \$4,999 | <input type="checkbox"/> \$35,000 to \$44,999 |
| <input type="checkbox"/> \$5,000 to \$9,999 | <input type="checkbox"/> \$45,000 to \$54,999 |
| <input type="checkbox"/> \$10,000 to \$14,999 | <input type="checkbox"/> \$55,000 to \$64,999 |
| <input type="checkbox"/> \$15,000 to \$19,999 | <input type="checkbox"/> \$65,000 to \$74,999 |
| <input type="checkbox"/> \$20,000 to \$24,999 | <input type="checkbox"/> \$75,000 to \$99,999 |
| <input type="checkbox"/> \$25,000 to \$34,999 | <input type="checkbox"/> \$100,000 and Over |

5. What is the zip code where you live?

7. How many people, including you, live in your house (this includes everyone related to each other by blood, marriage or a marriage-like relationship including partners and foster children)?

Thank you for completing this survey!

FOR ADMINISTRATIVE PURPOSES ONLY

Group Location: _____

Survey ID: _____

Today's Date: ____ / ____ / ____

Marin County Community Health Needs Assessment

Appendix E. Prioritization Scoring Matrix

Instructions: For each health need, write down a score between 1 to 7 for each criterion (1 being the lowest and 7 being the highest score possible). For example, if an issue is nearly impossible to prevent, it could be assigned a 1 in "Prevention" but may receive a score of 6 in "Severity". You will then use the clickers to indicate your score for each health need and criterion. Once everyone scores each health need, the scores will be averaged and multiplied by the weighting value to determine an overall score for each health need.

Health Need	Severity	Disparities	Prevention	Leverage
	The health need has serious consequences (morbidity, mortality, and/or economic burden) for those affected.	The health need disproportionately impacts specific geographic, age, or racial/ethnic subpopulations	Effective and feasible prevention is possible. There is an opportunity to intervene at the prevention level and impact overall health outcomes.	Solution could impact multiple problems. Addressing this issue would impact multiple health issues.
Weighting	1.5	1	1.5	1
Access to Health Care				
Economic and Housing Insecurity				
Education				
Violence and Unintentional Injury				
Mental Health				
Substance Abuse				
Obesity and Diabetes				
Oral Health				