

Health Element

Public Review Draft



Santa Clara County General Plan

August 8, 2014

PUBLIC DRAFT HEALTH ELEMENT

The Health Element has been prepared at the direction of the Santa Clara County Board of Supervisors as a new element of the General Plan, incorporating and updating certain existing subject matter and policies from the existing Health and Safety Chapters, and building a renewed emphasis on collaborative, comprehensive approaches to planning for community health.

The public is invited to review and comment on the Health Element during an initial 45 day review period culminating September 24, 2014. Subsequent public hearings before the Planning Commission and Board of Supervisors are intended to provide the Board of Supervisors opportunity to consider the draft Health Element, public input, and priorities for implementation, with adoption planned by the end of the calendar year.

To submit comments, please visit <https://www.surveymonkey.com/s/SCChealthcomments>. For other inquiries, or to comment in other forms, please contact Bill Shoe, Project Manager, at the Santa Clara County Planning Office via email at bill.shoe@pln.sccgov.org or 408-299-5749. For our mailing address, see rear cover.

The Health Element project is a collaboration between the County's Department of Planning and Development, Public Health Department, and numerous other County agencies, staff, community organizations, health system representatives, stakeholders, and the public.

Thank you to all who have participated in developing the draft Health Element.

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INTRODUCTION

General Introduction

Maintaining and improving public health is one of the most fundamental shared societal goals, similar to public safety, equality of opportunity, and education. Public health focuses on the health of populations and communities or groups, rather than the individual. Many factors affect whether a community's health is as good as it could be, including social determinants such as income, education, race, culture, and similar factors. Other factors include access to health care, affordable insurance, genetics, and lifestyle.

As a society, significant efforts have been made to eliminate diseases, prevent or control epidemics, and improve environmental conditions. Great successes have been achieved through public health, including vaccinations, tobacco controls, dietary research, motor vehicle safety and emissions controls, sanitation, and other endeavors.

Urban and regional planning in the United States has its roots in combatting environmental issues and communicable diseases in cities at the onset of the industrial age. Overcrowding, industrial pollution, lack of sanitation, and other issues were addressed through a variety of means to make urban environments healthier places to live and work. Today, health risks of a different kind remain but are increasingly being addressed through preventive measures and changes within our environments that facilitate healthier lifestyles. For example, chronic diseases and injuries now account for over 75% of all deaths in California, but through multi-disciplinary and coordinated efforts, these causes can be addressed through behavior, our urban environments, and better access to preventive care.

According to some assessments, Santa Clara County recently ranked as high as the second healthiest county in California. However, in a place as diverse and large as Santa Clara County, with 1.8 million residents, significant health disparities and inequities exist. Experts increasingly point to rising rates of obesity and diabetes in younger and younger populations as just one indication that as a society, maintaining and improving community health and well-being remains a significant challenge.

The overall health status of a community contributes to lower governmental costs of providing health care, a healthier workforce and better economy, and many other direct and indirect benefits to individuals and society. Increasingly, positive health outcomes are not just the result of health care treatment and interventions but must be addressed through efforts that help avoid or reduce health problems, so-called "upstream" efforts and interventions.

One goal of the County's Health Element is to demonstrate the correlation between well-planned, safe, highly livable, urban environments and improved health outcomes such as for chronic disease. Another is to place public health on par with more traditionally recognized elements in general plans, such as housing and land use, and make explicit the connections between those subject areas typically associated with comprehensive plans and those of public health.

The conditions within our built and natural environments that are most conducive to improvements in public health are also intrinsically related to the sustainability of our environment and society. In addition, the environmental impacts of climate change will create new emerging threats to public health, particularly for vulnerable populations, such as children, the elderly, the poor, and people with chronic conditions. Solutions and mitigations for these overlapping issues lie within the many promising opportunities for collaboration among various professional disciplines, such as planning and public health.

Guiding Principles

To those ends, the Health Element is founded upon and embraces certain Guiding Principles, listed below. These principles inform the subject matter, strategies, and policies contained in the Health Element, and the means by which the County and other implementers of health-related policies and programs should approach these subjects.

1. **Prevention:** A preventive, upstream, and holistic approach to health and well-being results in better long-term health outcomes, which lowers costs by effective and efficient use of taxpayer dollars.
2. **Leadership:** Santa Clara County's public agencies and employees are guided by best practices in decision making and have an interest in the greater good. The County is also uniquely situated to provide leadership and serve as a model for public health.
3. **Community Empowerment:** Awareness, collaboration, and community-based implementation are key components in the success of health-focused and environmental interventions that can bring about positive behavioral changes and improvement.
4. **Equity and Inclusion:** Santa Clara County is one of the healthiest areas in the country; however, there is wide variation among different groups in the County. The County seeks to eliminate health inequities by intentionally addressing the root causes of inequitable health outcomes, and by creating policies and programs that are well-integrated and responsive to cultural diversity.

5. **Sustainability and Co-Benefits:** By creating healthier communities we can also improve residents' overall quality of life, reduce private and public sector costs, improve social cohesion, and provide a stronger foundation for environmental sustainability and resiliency.
6. **Strategic Roles:** Santa Clara County plays a major role in managing and delivering health care, in addition to many other services important to public safety and welfare. The County can be a major strategic partner in improving health conditions, with hospitals, and community health organizations.
7. **Responsibility:** Community health is a public and private responsibility that requires the effort of both institutions and individuals
8. **Healthy Choices:** The County and other organizations work to ensure that the healthier choices are the easier choices for all residents and employees, and that a better range of healthful options results in reinforcing positive health behaviors and reduced negative health impacts.
9. **Promote the Public Interest:** The County and other entities engaged in community health have a responsibility to promote policy and initiatives necessary to protect the public's health, safety, and welfare, while fairly considering and balancing the commercial interests of businesses and industries whose products and services may pose risks to human health and community well-being.

Health in All Policies

Another major concept championed by the County Board of Supervisors and by many stakeholders is the importance of a "Health in All Policies" (HiAP) approach. HiAP stresses the importance of infusing awareness and purpose in all governmental programs, functions, and responsibilities to address and promote community and personal health, not as an afterthought.

On the issue of lifestyle, a growing body of research clearly indicates that our personal health behaviors are strongly influenced by conditions in the environments where we live, learn, work, and play. Hence, the built environment – from land use planning and fast food restaurants, to safe streets and parks – greatly shapes the health of our community. This reality brings home a powerful message – that our policy decisions have an active and significant influence on shaping the health of our communities and every person who lives here. There is by no means a passive disconnect between our policy decisions and the health status of our residents, in fact, it is just the opposite. Health is a consequence of every policy decision we make—hence the importance of the concept of Health in All Policies.

With direction to develop a Health Element for the County's General Plan, the County Board of Supervisors expressed the desire for the Health Element to be inclusive, innovative, and inspirational, the "three I's." In partnership with the many health providers, stakeholders, agencies, and non-governmental organizations, the County also aspires to prioritize and implement measures that can make demonstrable improvements in public health. The Health Element's major strategies, policies, and implementation recommendations will have many implementers and partners, including the cities of Santa Clara County.

Purposes and Intended Audience/Implementers

The Health Element is intended to serve as a model element for other jurisdictions and agencies in Santa Clara County and the region. It is one of the first to address community health on a countywide level, acknowledging the challenges of addressing public health on such a large scale, and the many different issues, needs, and population-based differences and disparities affecting residents. In that regard, the fifteen cities of Santa Clara County, private health care providers and networks, and many other entities will be as important as any other implementers and advocates for certain goals, strategies, and policies articulated in the Health Element. The Health Element not only guides County decision-making, budgeting, and initiatives, but also serves as a platform for future collaborative efforts with all who are involved in the community health system.

The Health Element contains information and policies organized by the following sections or subject matter:

- A. Health Conditions, Equity and Access
- B. Social and Emotional Health
- C. Land Use and Urban Design
- D. Active and Sustainable Transportation
- E. Recreation and Physical Activity
- F. Healthy Eating, Food Access, and Sustainable Food Systems
- G. Air Quality and Climate Change
- H. Healthy Housing
- I. Violence Prevention and Safety

A. HEALTH CONDITIONS, EQUITY, AND ACCESS

Background

This section of the Health Element focuses on the most critical health conditions, inequities and strategies for improving overall community health in Santa Clara County and the role of policy in improving health status. Some of the most critical issues include improving access to health care, addressing significant health equity issues, treating the needs of the whole person, weighing mental and behavioral health equally with physical well-being, and increasing our understanding of the role the physical environment and social determinants play in an individual's and the community's health status.

Health conditions are influenced by policies and environments that either sustain healthy behaviors or fail to support them. "Health in All Policies" (HiAP), an approach that puts health at the heart of policy making, was first championed by the County Board of Supervisors in their 2005 "Resolution Regarding Health," which called for the promotion of health by all branches and levels of County government. HiAP integrates health, sustainability, and equity into policy considerations, and promotes the ability to achieve full health potential. It also presents opportunities for addressing the underlying root causes of poor health through policy and systems change. It engages diverse governmental partners and stakeholders to work together to improve health and simultaneously advance other goals, such as promoting job creation and economic stability, transportation access and mobility, a strong agricultural system, environmental sustainability, and educational attainment. The now internationally-recognized HiAP approach also emphasizes that the key to good health lies primarily in prevention, that is, in helping county residents stay healthy in the first place, rather than by treatment alone.

Health Disparities and Inequities: Terms

Health Disparities refer to differences between groups of people. These differences can affect how frequently a disease affects a group, how many people get sick, or how often the disease causes death.ⁱ

Social Determinants of Health refers to circumstances in which people are born, grow up, live, work, and age, as well as the systems put in place to deal with illness. These circumstances are in turn shaped by a wider set of forces: economics, social policies, and politics.ⁱⁱ

Health Inequities are disparities in health that are a result of systemic, avoidable and unjust social and economic policies and practices that create barriers to opportunity.ⁱⁱⁱ

State of the County's Health

Santa Clara County ranks high in many comparative measures of community health. In 2014, Santa Clara County ranked third, after Placer County, among the healthiest counties in California.^{iv} Among large, metropolitan counties, Santa Clara County would rank first. These assessments provide a generally useful measure of overall health status for a large county, but it is important to develop a more in-depth understanding of issues and needs, because there can be significant disparities and inequities.

As part of the preparation of the County's Health Element, the County published a "Community Health Existing Conditions Report" (ECR). This data compendium augments an already rich and insightful body of health assessments published by the County's Department of Public Health over recent years, including its 2010 County Health Profile and the Latino Health Assessment, among others. The ECR compiled and mapped the most significant health indicators and information on a variety of subjects that inform many of the sections of this element.

Santa Clara County is at the center of a regional technology-based economy that has brought affluence and acclaim. It had a median household income of \$86,850 in 2012, with the average being \$113,161, but one in five residents lives at or below the 200% of the Federal Poverty level. Other key demographic findings include the fact that by 2030, more than 25% of the population will be over age 60.

The health outcomes and health inequities experienced by county residents are to a great extent shaped by social determinants of health, social and environmental conditions including income, years of education, race/ethnicity, immigration status, and the physical conditions in the neighborhoods where they live, play, work, and age. Most experts in the field of public health now recognize these factors affect individual health as much or more than any other set of factors, including clinical interventions, protective interventions such as immunization, and counseling/education.

Of all social determinants, income is one of the strongest predictors of health outcomes worldwide. The estimated Family Economic Self-Sufficiency Standard for two adults, an infant, and a school-aged child in Santa Clara County in 2008 was \$67, 213.^v The Family Economic Self-Sufficiency Standard is a measure of the minimum income necessary to cover all of a non-elderly (under 65 years old) individual or family's basic expenses - housing, food, childcare, health care, transportation, and taxes - without public or private assistance. It is a more realistic and meaningful indicator than the Federal Poverty Level, particularly for higher cost of living metropolitan areas.

In 2010, 29% of households earned under \$50,000. On the other hand, more than two in five households earn over \$100,000 annually, illustrating the significant income disparities in the county. Research has shown that people with higher levels of education

are at lower risks for many diseases and have longer lifespans.^{vi} Overall, county residents are relatively well educated; however, 14% of adult residents lack a high school education and 17% of adults with less than a high school education are living in poverty.^{vii}

Chronic diseases, accidents, and suicide are the leading causes of death. The top two causes of mortality, cancer and heart disease, account for approximately 50% of all deaths.^{viii} Diabetes is often an underlying condition and contributor to heart conditions and mortality. The Centers for Disease Control and Prevention (CDC) have identified four modifiable risk factors—lack of physical activity, poor nutrition, tobacco use, and excessive alcohol—as the most common causes of chronic disease.^{ix}

California Wellness Plan 2014

The 2014 California Wellness Plan is a comprehensive overview and strategic plan published by the California Department of Public Health. Its overarching goal is equity in health and wellbeing, with an emphasis on prevention. It notes that up to 80% of most chronic diseases, such as cardiovascular disease, stroke, diabetes (type 2), and many cancers could be prevented by eliminating tobacco use, better diet, physical activity, and eliminating harmful use of alcohol. For example, chronic disease and injury accounted for 80% of all deaths in 2010.

To improve health equity and wellbeing, the report emphasizes the need to focus on four main areas to achieve synergy and greater, collective impact:

1. Healthy Communities
2. Optimal Health Systems Linked with Community Prevention
3. Accessible and Usable Health Information
4. Prevention Sustainability and Capacity

These four focus areas align with the County's Health Element and its focus on upstream, preventive measures, improved health equity, and chronic disease reduction, as a "roadmap to prevention" and reducing the massive cost burden of treating versus preventing and mitigating the most common threats to health and wellbeing of the community.

Overall life expectancy in Santa Clara County is 83.7 years, higher than California and the U.S. However, in midtown San Jose it is 79.5 years compared to 86.7 years in the cities of Los Altos, Mountain View and Palo Alto. Meanwhile, Asian females in the county can expect to live until age 89, 11.2 years longer than African American males.

Of all the health trends in the U.S., the increasing incidence of overweight and obesity is one of the most alarming. In Santa Clara County 55% percent of adults and 25% of middle and high school students are overweight or obese. Racial and ethnic minorities, those with lower incomes or less education, and those in rural areas have the highest obesity rates.^x The economic costs associated with obesity in the county were \$2.5

billion in 2006. The proportion of Santa Clara County adults with diabetes has increased from 5 to 8% in less than ten years, and almost 14% of adults have asthma.^{xi}

One in 10 adults and about one in 12 middle and high school students smoke tobacco,^{xii} and Santa Clara County residents continue to be exposed to secondhand smoke at home, in vehicles, at school and in the workplace. When surveyed, seventeen percent of adults reported exposure at their workplace.^{xiii} Smoking rates vary greatly among racial/ethnic groups in the county. Eleven percent of Whites (13% of males), 12% of Vietnamese (24% of males), and 21% of Filipinos (32% of males) are current smokers.^{xiv} In addition, in a recent survey, nearly 25% of members of the LBGTQ community in Santa Clara County described themselves as smokers.^{xv}

Although social determinants such as poverty, education, and race/ethnicity have the greatest impact on health, interventions can be instituted that change the environmental context in which people live. In fact, one public health strategy is to make the healthier options accessible and the “easy choice”. These include changes such as the elimination of soda sales in schools, smoking bans, and urban design that encourages people to walk and use public transportation.^{xvi}

Public Health Department Strategic Plan: Prevention and Winnable Battles

In its 2012-2015 Strategic Plan, Santa Clara County Public Health Department identified three winnable battles: 1) Increase healthy eating and physical activity to prevent obesity and chronic diseases, 2) Decrease tobacco use and exposure to prevent chronic disease, and 3) Promote safety and reduce violence to prevent injuries. [Note: to be updated in Fall 2014 prior to adoption with revised PHD Strategic Plan information].

Health conditions and health care costs directly impact the County’s economic and fiscal stability. In the 2012 fiscal year, the Santa Clara Valley Health and Hospital System accounted for 44 % of the County’s entire budget.^{xvii} To achieve greater efficiency in health care costs and spending, it is critical that residents have access to a variety of preventive health care services, not just clinical treatment.

Access to health care means more than just having local health clinic locations. Adequate health care access must also include provision of electronic health records, access to preventative care, transit access, insurance coverage, and culturally appropriate care. Preventive measures and screenings reduce the incidence and severity of illnesses and are often less expensive than the costs of care once someone has fallen ill.^{xviii}

Between 2000 and 2009, the percentage of adults 18-64 years old without health insurance more than doubled from 8% to about 20%.^{xix} With the advent of insurance exchanges through the Affordable Care Act, access to affordable insurance has

improved. Although 64,924 Santa Clara County residents enrolled from October 2013 through 2014 under the Affordable Care Act (ACA),^{xx} 140,000 people in Santa Clara County, including undocumented residents, are projected to remain uninsured.^{xxi} In addition, more than one-third of Santa Clara County adults do not have dental insurance, which was not included in the ACA.^{xxii} Even when people have access to a provider and insurance, there are other factors that can affect their ability to receive adequate care, such as their knowledge of the health care system, the skills to obtain referrals and set up appointments, dealing with insurance companies, transportation or lack thereof to service providers, proximity to services, and medical leave or time off to see providers. Accessibility to care also includes important aspects such as language barriers and culturally-sensitive services.

Lastly, the aging of the population of the county will continue to shape the county's health profile for years to come. According to the Seniors Agenda, by 2030, over one in four residents will be over 60 (27.6%).^{xxiii} Health care costs are typically greatest for the elderly, and many more seniors are challenged by limited incomes than is commonly understood. The aging of the population and health needs of the “baby boomer” age cohort will present a challenge that can only be met successfully by inter-related efforts to ensure access to care, transportation needs, in-home services, adequate housing options, fall prevention, and other needs. [Note: for additional information on health conditions, refer to the Existing Conditions Report, Health Element website, or the County's Public Health Department website].

Major Strategies and Policies

The following major strategies and policies are intended to convey a comprehensive approach for improving health conditions, equity and access.

Strategy #1: Improve health for all residents through “Health in All Policies” approach and countywide collaboration.

Strategy #2: Promote health equity through understanding of key social determinants of health.

Sub-strategy #2a: Increase educational attainment and employment readiness.

Sub-strategy #2b: Improve economic conditions and reduce poverty.

Sub-strategy #2c: Strive to eliminate institutional and structural racism.

Strategy #3: Ensure equitable access to high quality physical and behavioral health coverage and care for all county residents.

Strategy #4: Educate and empower individuals, employers and communities to improve population health and advocate for positive change.

Strategy #1: Improve health for all residents through a “Health in All Policies” approach and countywide collaboration.

Santa Clara County governmental policy and programming have great potential for improving the health of residents and communities. It is fundamental to understand that conditions in our environment profoundly shape and influence our individual health as well as the health of our communities. Public and organizational policies are the single most powerful tools to reshape those conditions and hence create environments that are conducive to health and wellbeing. As such, the opportunity and ability to influence and shape health is intrinsically woven into all policy decisions. As a partner with other stakeholders and organizations, the County can help develop consensus, policy priorities, and focused resources such to achieve collective impact across sectors and jurisdictions. The “Health in All Policies approach” can facilitate collaboration and reinforcing efforts among governmental agencies, community-based organizations, businesses and individuals. HiAP can also be an effective strategy to address the multifaceted issues that affect health and equity.

Policies:

- HE-A.1 **Health in All Policies.** Integrate a “Health in All Policies” approach into all County government department and agency policies. Encourage all local governments, special districts, and non-governmental organizations to adopt similar policies.
- HE-A.2 **County staff education.** Educate key County staff across departments on Health in All Policies approaches and engage them in understanding how their work may influence community health and on-going health challenges in Santa Clara County.
- HE-A.3 **Health Impact Assessments (HIAs).** Consider the use of health impact assessments or similar tools to evaluate how policies, programs, strategic plans, and capital projects can improve public health.
- HE-A.4 **Community health collaborations.** Collaborate with cities, community-based organizations, the Hospital Council and neighborhoods to focus attention on and programmatically address community health needs.

Strategy #2: Promote health equity through understanding of key social determinants of health.

The promotion of health equity is a key strategy for addressing major population health issues based in socioeconomic inequalities. Despite overall high health rankings for Santa Clara County in recent years, due partly to the relatively prosperous and well-educated population, major disparities and inequities in health outcomes persist.

A wealth of evidence has shown that factors such as education, income, racism, employment, housing and neighborhood conditions have a significant impact on the health and well-being of individuals and entire populations. Referred to as “social determinants of health,” these factors play as large or larger role in public health than medical care, and furthermore create inequities that result in negative health outcomes for many in our community.

Improving health equity is consistent with and underlies the mission and purposes of many County services. This section further emphasizes underlying factors of education and income, race, and discrimination as critical social determinants of health. Additional issues of health disparities and equity will be addressed within subsequent sections, specific to the subject matter in each section.

Policies:

- HE-A.5 **Health inequity awareness.** Continue to identify, increase awareness of, and prioritize means of addressing significant health inequities. Assess and ensure that the County’s policies, programs, and services affecting community health promote fairness, equity and justice.
- HE-A.6 **Vulnerable populations.** Ensure that new policies, services, and programs support and align with the community’s greatest needs, including persons living in poverty, older adults, children, persons with disabilities, people of color, and immigrants.
- HE-A.7 **Capacity building and funding.** Build capacity within communities most impaired by health inequities to understand, navigate and advocate in community and governmental affairs. Promote awareness and interest in health equity among local and regional philanthropic institutions.

Sub-strategy #2a: Increase educational attainment and employment readiness.

Education is a key determinant of future employment and income, which correlates highly with improved health outcomes. An array of educational opportunities and social and financial support are necessary for people at various stages of the life cycle and for those seeking different types of training, experience, and growth potential. Increasing inequality of income and wealth in the United States should be addressed not only for achieving a more egalitarian society in general, but also for the positive health impacts that can be achieved through greater economic security for all residents.

Policies:

- HE-A.8 **Early childhood education.** Foster a high quality, universal system of early childhood education, especially in low-income communities.
- HE-A.9 **Enrichment programs.** Supplement classroom education with child and family enrichment programs and after-school educational programs that emphasize intellectual and emotional preparation.
- HE-A.10 **Adult education and skills augmentation.** Expand academic and creative adult education opportunities, particularly for older adults, non-English speakers, and lower-income individuals. Improve opportunities for youth, middle-aged, and other populations to obtain skill-sets and specific training they may need to enter or remain in the workforce.
- HE-A.11 **Childcare services.** Expand childcare options, particularly for parents pursuing an education, and elder care services. Support affordable, quality childcare for all children of parents in the workforce.
- HE-A.12 **Youth employment skills.** Expand youth development and employment opportunities, especially for low-income youth and youth of color.
- HE-A.13 **Workforce development and training.** Work with local schools, colleges, trade schools, and non-profit scholarship organizations to create K through 16 career pathways to ensure that a trained and qualified workforce is available to meet the needs of industries that are projected to grow and provide living wages.

Sub-strategy #2b: Improve economic conditions and reduce poverty.

Living in substandard economic conditions or poverty is correlated with worse health outcomes. It causes unhealthful stress levels, and it often requires households to make critical choices and trade-offs between fundamental needs, such as food, shelter, medications, and health care. Poverty and economic challenges are also significant causes of domestic disturbances and violence, drug and alcohol abuse, and related health problems.

Achieving health improvements among those suffering from poverty requires actions that address root causes of poverty, such as economic literacy, expanded job opportunities, training, and wages and benefits that allow people to meet their basic needs, particularly in areas such as Santa Clara County with higher overall costs of living. It should also be noted that without concerted efforts to fund affordable housing, improvements in economic status can easily be undermined by increasing housing cost burdens. Economic improvement also requires support from and partnerships with businesses that can provide good working conditions, pay, and benefits. Reducing income inequality and its effects further reduces health inequities.

Policies:

- HE-A.14 **Financial literacy.** Cultivate greater financial literacy in youth and adults in order to project life needs, reduce debt, and generate personal savings and wealth.
- HE-A.15 **Family-supportive wages and benefits.** Encourage or require employers to provide family-supportive living wages and benefits, including paid sick leave, as well as opportunities for skill development and career advancement.
- HE-A.16 **Entrepreneurship.** Support business creation, retention, and entrepreneurship by providing technical assistance and financial incentives to local businesses through trainings, mentoring, small incubator programs, and access to capital and microfinance loans.
- HE-A.17 **Financial services.** Encourage community-sponsored alternatives to predatory financial institutions such as community cash checking and non-profit credit unions. Discourage or prohibit predatory lending businesses.

- HE-A.18 **Youth employment.** Support youth-employment and youth-serving businesses to better serve youth employment needs. Enhance and pay for expanded community service.

Sub-strategy #2c: Strive to eliminate institutional and structural racism.

Health inequity is related both to a history of overt discriminatory actions, as well as present-day practices and policies that perpetuate diminished opportunity for certain populations. Inequities in economic, social, physical and service environments continue to create and maintain clear patterns of poor health. Achieving racial equity requires understanding the historical forces that resulted in a legacy of racism and segregation and creating structural changes to ensure opportunity, living wages, affordable housing, high quality education, and supportive social conditions in neighborhoods that now experience disadvantages. (Reference: Life and Death from Unnatural Causes in Alameda County).

While the policies addressing poverty and education, enumerated above, can expand opportunity to communities of color, there is growing evidence that racism itself is a factor in health and needs to be addressed directly in its own right. Research has shown that persistent exposure to discrimination and racism translates into chronic levels of stress, lowering the immune response and resulting in a host of illnesses and diseases. (Reference: Adler N et al, Reaching for a Healthier Life: Facts on Socioeconomic Status and Health in the U.S., The John D. and Catherine T. MacArthur Foundation Research Network on Socioeconomic Status and Health, 2008, www.macses.ucsf.edu).

Policies:

- HE-A.19 **Public awareness.** Promote public awareness of the persistence of various forms of racism and discrimination, bias, and the health inequities they exacerbate.
- HE-A.20 **Organizational efforts.** Build organizational and institutional skills and commitment to advancing racial equity and eliminating institutional and structural racism Participate in local, regional and national efforts to identify and disseminate policies and best practices that promote racial equity.
- HE-A.21 **Training and focus.** Provide training and tools to County Departments to advance equity and social justice within and across all areas of service. Promote similar training and awareness throughout local government in Santa Clara County.

Strategy #3: Ensure equitable access to high quality physical and behavioral health coverage and care for all county residents.

Access to comprehensive, quality health services is critical for achieving greater health equity and for increasing the quality of life of the entire community. In the past, access to health care has focused more on adequate distribution of clinical service facilities and hospitals. In current practice, public health emphasizes that ‘access’ is more multi-faceted, including concepts of ensuring accurate, up-to-date electronic records, access to preventive care, individual knowledge to navigate the complexities of health care systems and insurance coverage options, transportation and physical accessibility, and linguistic- and culturally-appropriate services.

Policies:

- HE-A.22 **Prevention services.** Provide consistent and coordinated health messaging within healthcare settings and the community to support healthy behaviors. Provide timely access to clinical preventive services to better address the upstream factors that contribute to community health.
- HE-A.23 **Community-based primary care and assistance.** Provide access to a regular community-based source of primary care, adequate providers, and coordination of services. Ensure adequate infrastructure to support education and training service providers to address, counsel and treat/refer county residents for appropriate services, and inform residents how to navigate the health care system.
- HE-A.24 **Expanded Chronic Care Model.** Utilize the Expanded Chronic Care Model to integrate population health and clinic outcomes to help prevent and manage chronic disease.
- HE-A.25 **Health insurance coverage.** Increase the number of residents with health insurance coverage, including oral health, particularly for vulnerable communities and those most likely to experience health inequities.
- HE-A.26 **Health care professionals.** Encourage the provision of sufficient numbers of general practitioners, nurse professionals, and behavioral health service providers to meet growing numbers of those with coverage and needs for basic health services.

HE-A.27 **Integrated care.** Increase the availability of services and providers to integrate treatment of co-occurring physical and behavioral health needs, such as mental health substance abuse disorders.

HE-A.28 **Elder and assisted care.** Increase the availability of home care and assisted living opportunities for older and disabled adults.

Strategy #4: Educate and empower individuals, employers and communities to improve population health and advocate for positive change.

To effectuate upstream interventions and preventive health approaches, there is a growing need for individuals, employers, schools, and community partners to become informed regarding the strong correlation between environmental conditions and the health status of their respective constituents. Whether the need is tobacco free environments, access to care and screenings, personal nutrition education, or improving park safety, collaboration and education are keys to success. Health equity cannot be fully addressed achieved without informing and involving the affected groups who best understand the assets and needs of their communities and can offer insight into the potential effectiveness of various strategies, programs, or actions. Ultimately, insightful contributions from individuals and community organizations can be as much a part of the solution for improved community health as the direct services of public agencies and other health service providers.

Policies:

HE-A.29 **Health education programs.** Continue to provide and expand innovative public education programs for behavior change, in part, by sharing policy and program initiatives that support better health outcomes and help eliminate health inequities.

HE-A.30 **Community engagement.** Maintain effective community presence, liaisons, and relationship-building within the communities. Provide for meaningful and purposeful participation and dialogue with health department representatives in local forums.

HE-A.31 **School based partnerships.** Partner with and utilize local schools and school-based organizations to promote educational and school-linked services.

HE-A.32 **Health profiles and trends.** Provide countywide, citywide, and neighborhood level health profiles and data to the extent possible to

encourage neighborhood and community level information about health trends.

HE-A.33. Workforce/workplace wellness. Support policies, initiatives and work-force collaborations that drive improved employee health, wellbeing, productive workplace engagement and workplace satisfaction. Demonstrate leadership through County-sponsored change and programs.

HE-A.34 Effective community service. Champion and provide expanded opportunities for youth and older adults to engage in community service that integrates community health and improvement.

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B. SOCIAL AND EMOTIONAL HEALTH

Background

Social and emotional health is an integral aspect of overall health and directly impacts the quality of life of individuals, families, and communities. Within the context of one's family, community and culture, social and emotional health refers to a state in which a person is able to cope with everyday events, think clearly, be responsible, meet challenges, and have meaningful relationships with others.

Social and emotional health is critical across the age continuum. In early childhood, the social emotional health of young children relates to the ability to form secure relations, self-regulate emotions, and explore and learn. During school age years, social emotional health centers on establishing healthy relationships with peers and other adults and self-esteem that comes with learning and mastery in the school environment.

Throughout adolescence and early adulthood, social emotional health relates to a young person's development of self-identity, including issues of cultural and sexual identities. During adulthood, social and emotional health involves intimate partner relationships and finding success in employment and careers. Achieving goals and finding purpose are critical to social emotional health during this period of life. Finally, during later life issues of isolation and illness can threaten social emotional health, which can be mitigated by creating environments that support older adults to age in their communities.

Strategies and policies are necessary to ensure that all residents, across the life span, experience maximum social and emotional well-being. While much of the health (including mental health) care delivery system focuses on treating disease and extending life, social and emotional health focuses on improving the "quality of life years" for all.

Social and emotional health exists within socio-cultural contexts which may support or impede well-being. In the case of people with serious mental illness, individuals must cope with not only with the symptoms and disabilities that result from their illness, but also the societal stigma attached to the disease that manifests in stereotypes and prejudice. "As a result of both, people with mental illness are robbed of the opportunities that define a quality life, such as good jobs, safe housing, satisfactory health care, and affiliation with a diverse group of people." [P. Corrigan and A. Watson, *Understanding the Impact of Stigma on People with Mental Illness* in *World Psychiatry*. Feb. 2002; 1(1): 16–20. PMCID: PMC1489832]. Efforts to prevent and address substance abuse are also evolving within the context of a rapidly changing set of cultural expectations and norms, in which there is increasing pressure to normalize and possibly legalize the use of substances such as marijuana. Educating young people about the risks of

substance use and supporting people in substance abuse recovery must take into account contemporary social perceptions.

The physical, social, and environmental impact on social and emotional health is specific to culture, race, and income. Experiences of racism and discrimination increase levels of stress and threaten social and emotional health. Pressure from high job demands, reduced job security, occupational strata, income disparities, and poverty persist in Santa Clara County's economic climate and are significant contributors to chronic stress. Nearly three-fourths (74%) of the 2012 Santa Clara County Quality of Life Survey respondents report being either "very stressed" or "somewhat stressed" over financial concerns; and nearly two-thirds (66%) of respondents are either "very stressed" or "somewhat stressed" over work-related concerns.ⁱ Long-term, chronic stress taxes our hormone, immune, and digestive systems which makes the body less resistant to other health risks.ⁱⁱ Many aspects of our urban environment contribute to cumulative unhealthful stress, such as long commutes and traffic congestion, scarcity of affordable housing, job insecurity among middle-aged adults (45-60), underemployment and low pay in many service sector jobs, and other factors.

Mental illness and substance abuse disorders are health problems that severely compromise social and emotional health. More recently referred to as *behavioral health problems*, this includes such conditions as schizophrenia, bipolar disorder, depression, and addiction to alcohol, illegal drugs (methamphetamine, heroin, hallucinogens, hazardous chemicals, etc.) or prescription drugs.ⁱⁱⁱ The U.S. Surgeon General defines mental illness as "collectively all diagnosable mental disorders" or "health conditions that are characterized by alterations in thinking, mood, or behavior (or some combination thereof) associated with distress and/or impaired functioning." Mental illness can affect persons of any age, race, ethnicity, or income, but it is treatable.

Addiction is characterized by an inability to consistently abstain, impairment in behavioral control, cravings, diminished recognition of significant problems with one's behaviors and interpersonal relationships, and a dysfunctional emotional response. Like other chronic diseases, addiction often involves cycles of relapse and remission. Without treatment or engagement in recovery activities, addiction is progressive and can result in disability or premature death. According to the American Society of Addiction Medicine (ASAM), substance use disorders occur along a continuum of severity, ranging from misuse at one end, and full-fledged addiction at the other end, of which there are several subtypes requiring different treatment approaches.

Substance use disorders are prevalent throughout society. Columbia University and the Substance Abuse and Mental Health Administration (SAMHSA) estimate that 40 million Americans ages 12 and over (12%) meet the diagnostic criteria for addiction involving nicotine, alcohol or other drugs—a disease affecting more Americans than

heart conditions, diabetes, or cancer. Another 80 million people (26%) are risky substance users and drinkers, using drugs and drinking alcohol in ways that threaten health and safety. Applying these percentages to Santa Clara County, there would be about 220,560 (12%) people ages 12 and over who meet the diagnostic criteria for addiction and another 477,880 (26%) people who are risky substance users, using drugs and drinking alcohol in ways that threaten health and safety.^{iv}

Prescription drug abuse is the *intentional* use of a medication without a prescription or in a way other than as prescribed or for the experience or feeling it causes. It is not a new problem, but one that deserves renewed attention. Among adolescents, prescription and over-the-counter medications are some of the most commonly abused drugs. Multiple factors contribute to the prevalence of prescription drug abuse, including a misperception that they are safe because they are prescribed by doctors and their increasing availability. Between 1991 and 2010, prescriptions for stimulants increased from 5 million to nearly 45 million, and for opioid analgesics, from about 75.5 million to 209.5 million.^v Underlying reasons for prescription drug abuse include the goal to get high, to counter anxiety, pain or sleep problems, and to enhance cognition. Whatever the motivation, prescription drug abuse comes with serious risks.

A variety of direct and indirect health problems are associated with alcohol and drug abuse, including unintentional injuries, violence, birth defects, acute alcohol poisoning, stroke, heart disease, cancer, and liver disease, among other health problems. Alcohol is a factor in approximately 41% of deaths from motor vehicle crashes.^{vi} Drug use is responsible for higher rates of diseases such as tuberculosis (TB), sexually transmitted diseases (STDs), HIV, and Hepatitis B and C.

Within Santa Clara County, with a population of over 1.8 million people, 18.6% struggle with mental illness, and between 10-12% struggles with substance use. The Mental Health Department serves 7% of the estimated 346,000 residents in need. Of the approximately 180,000 residents who struggle with substance abuse, the Department of Alcohol and Drug Services reaches 8,500 on an annual basis, which only meets 4.7% of the need.^{vii}

According to the Centers for Disease Control and Prevention (CDC), tobacco use is the leading preventable cause of disease, disability, and death in the United States. Cigarette smoking results in more than 443,000 premature deaths in the United States each year—about 1 in every 5 U.S. deaths—and an additional 8.6 million people suffer with a serious illness caused by smoking. Thus, for every one person who dies from smoking, 20 more suffer from at least one serious tobacco-related illness.

Tobacco addiction, specifically smoking, harms nearly every organ in the body and causes death, cardiovascular disease, respiratory disease, and many types of cancers.^{viii}

Smoking and secondhand smoke increases the risk and severity of many other health issues, such as reproductive and early childhood effects, coronary heart disease, and strokes. Effects of secondhand smoke can be as harmful or more so than the smoke consumed firsthand by the user. Community efforts, such as programmatic interventions to reduce substance abuse, or limits on the supply of certain substances to vulnerable populations such as children, can be an important link between public policy and behavioral health.

According to the Substance Abuse and Mental Health Services Administration (SAMHSA)-Center for Integrated Health Solutions, people with mental illnesses and addictions can die decades earlier than the general population—and smoking is a major contributor to early morbidity and mortality. About 50% of people with behavioral health disorders smoke, compared to 23% of the general population. People with mental illnesses and addictions smoke half of all cigarettes produced, and are only half as likely as other smokers to quit. Smoking-related illnesses cause half of all deaths among people with behavioral health disorders.

Suicide is the 10th leading cause of death in the United States, accounting for more than 36,000 deaths per year.^{ix} And an even greater number of people attempt suicide. According to a CDC study, more than 2.2 million adults reported making suicide plans in the last year.^x Approximately 90% of all individuals who completed suicide met criteria for one or more diagnosable psychiatric conditions. Because mental health treatment providers are in regular contact with patients at risk for suicide, they are an important resource for early detection and prevention of suicidal behavior. Substance use disorders are also linked to suicide risk. Individuals with a diagnosis of abuse or dependence on alcohol or drugs are almost six times more likely to report a lifetime suicide attempt.^{xi}

In Santa Clara County, suicide is the leading cause of death by fatal injury.^{xii} While suicide is confounding, it is usually preventable, given the right education, services and supports. Prevention for suicide must be centered on risk detection and reduction through a variety of means. Suicide is most often a fatal complication of different types of mental illnesses which are treatable. The earlier treatment is sought, generally the better the outcome. In Santa Clara County, death by suicide is the 10th leading cause of death, same as the national rate. Our County ranks 54th out of California's 58 counties (with 58 being the worst) in the rate of adolescent self-inflicted injury. Death by suicide occurs, on average, every three days; and there are 2 suicide attempts every day, and an estimated 14 suicidal gestures every day in Santa Clara County.^{xiii}

The belief or perception that persons with mental illness and/or drug addiction are dangerous, and may pose a threat of violence towards others and themselves, are significant factors in the development of stigma and discrimination towards the person

with behavioral health problems. The effects are profound. Thirty-eight percent of Americans are unwilling to be friends with someone having mental health difficulties; 64% do not want to work with someone who has schizophrenia, and 68% are unwilling to have someone with depression marry into their family.^{xiv} The potential for stigma, shunning, and isolation is great.

Although studies suggest a link between mental illnesses and violence, the contribution of people with mental illnesses to the overall rates of violence is small and the magnitude of the relationship is greatly exaggerated in the minds of the general population.^{xv} In fact, people with mental health conditions are more likely to be the victims rather than the perpetrators of violent crime.^{xvi}

Fortunately, many people with behavioral health problems can recover from these conditions and live healthy and productive lives. Many mental and substance use disorders can be prevented and if symptoms do appear, the severity of these problems can be reduced through programs focused on health promotion, illness prevention, and early treatment intervention.^{xvii}

The overall goal in the treatment of behavioral health conditions is to help affected persons obtain and sustain functionality and recover from their illness(s). According to the Substance Abuse and Mental Health Services Administration (SAMHSA, 2012), the new working definition of Recovery from Mental and Substance Use Disorders is:

A process of change through which individuals improve their health and wellness, live a self-directed life, and strive to reach their full potential.

Major Strategies and Policies

This section provides a framework to promote mental and behavioral health in all residents of the County, with the following primary strategies:

Strategy 1: Foster community-wide, family social and emotional health across the lifespan for all residents, including specific efforts to eliminate stigma that negatively impacts people faced with mental health and substance use challenges.

Strategy 2: Improve systems so that they more effectively promote social and emotional health.

Strategy 3: Prevent and effectively address harmful habitual and addictive behaviors.

Strategy 4: Integrate behavioral health care into the health care delivery system.

Strategy 5: Reduce death by suicide, suicide attempts, and related risk factors.

Strategy 1: Foster community-wide, family social and emotional health across the lifespan for all residents, including specific efforts to eliminate stigma that negatively impacts people faced with mental health and substance use challenges.

- HE-B.1 **Social and emotional health literacy.** Effectuate culturally- and developmentally-aligned community-wide activities and resources that promote social and emotional wellness literacy, suicide prevention, and self-care across the lifespan.
- HE-B.2 **Community awareness and sensitivity.** Improve public awareness and sensitivity to the needs of people with behavioral health challenges, to increase understanding of the need to recognize, not minimize, the needs of affected populations.
- HE-B.3 **Role of faith and community.** Coordinate with faith-based organizations and other community groups to address emotional/social wellness needs within the community and provide support and direction for those needing services.
- HE-B.4 **Workplace wellness.** Develop resources and services within employment locations and businesses to openly and affirmatively assist employees with needed counseling, support, and referral services, without stigma or employment-related repercussions.
- HE-B.5 **Work/life/play balance.** Promote the importance of balance and combat work/life imbalances that contribute greatly to a culture of high stress in the “Silicon Valley” greater metropolitan area. Explore and encourage with business groups, trade organizations, and similar groups the fullest possible array of options to reduce chronic, damaging stress levels from work demands, commute, and other employment related stressors.
- HE-B.6 **Arts and cultural expression.** Expand opportunities for residents to experience or participate in arts and cultural activities to enhance mental health and social connectedness.
- HE-B.7 **Aging population needs.** Combat social isolation, and address the various needs of an aging population to reduce depression and other behavioral health problems that may be more common among seniors.

- HE-B.8 **Stigma reduction.** Implement community-wide activities that promote the de-stigmatization of mental illness and substance abuse disorders and educate communities and individuals to more openly acknowledge and address behavioral health concerns.

Strategy 2: Improve systems so that they more effectively promote social and emotional health.

- HE-B.9 **System behavioral health literacy and competency.** Build capacity within key social institutions and agencies (Social Services, Criminal Justice, Education, Faith communities, and others) regarding the role of culturally- and developmentally-aligned practices that promote social and emotional health and reduce trauma among populations served within those systems.
- HE-B.10 **Wellness in schools.** Build capacity within schools to develop emotional intelligence, identify barriers to learning through adoption of SAMSHA curriculum on student social-emotional wellness, and promote skill-based techniques for classroom use and district-level systems.
- HE-B.11 **Children in foster care.** Promote policies, programs and resources directed at supporting the special and unique needs of children whose families are disrupted and may need foster care services.
- HE-B.12 **LGBTQ population.** Expand the capacity of existing systems to effectively support and promote the social and emotional health of youth and adults in the LGBTQ population.

Strategy 3: Prevent and effectively address harmful habitual and addictive behaviors.

- HE-B.13 **Safe prescribing guidelines.** Develop safe prescribing guidelines for prescribers, especially concurrent prescribers, that minimizes over-prescribing and risks of misuse of prescription medications.
- HE-B.14 **Overdose prevention policy and program.** Develop an opioid overdose prevention program and implement throughout the County's health and hospitals system, including primary care.

- HE-B.15 **Density and location of alcoholic beverage outlets.** Encourage and support cities to restrict the number of alcohol beverage outlets near schools and in areas with a high density of alcohol beverage outlets.
- HE-B.16 **Density and location of tobacco retail outlets.** Encourage and support cities to restrict the number of tobacco retailers near schools and other youth-populated areas and in areas with a high density of existing tobacco retailers.
- HE-B.17 **Tobacco retail licensing.** Encourage and support cities to create a tobacco and/or electronic smoking device retail licensing policy that earmarks a portion of the license fee for enforcement activities.
- HE-B.18 **Distribution and redemption of coupons.** Restrict the distribution and/or redemption of coupons, coupon offers, gift certificates, gift cards, and rebate offers for tobacco and electronic smoking devices.
- HE-B.19 **Electronic smoking devices.** Encourage and support cities to include electronic smoking devices in all existing smoking and tobacco policies, regulations and education programs.
- HE-B.20 **Flavored tobacco and electronic smoking products.** Eliminate the sale and distribution of mentholated cigarettes and/or other flavored tobacco and electronic smoking products.
- HE-B.21 **Tobacco-free pharmacies.** Encourage and support cities to eliminate the sale of tobacco products, including electronic smoking devices, in places where pharmacy and/or other health care services are provided by a licensed health care professional (e.g. hospital, vision screening, blood pressure screening).
- HE-B.22 **Smoke-free colleges and universities.** Encourage and support local colleges and universities to create smoke-free campuses, including restricting the use of electronic smoking devices.
- HE-B.23 **Secondhand smoke.** Encourage and support cities to reduce residents' exposure to secondhand smoke by banning use on government property and in public spaces and events, including outdoor dining and service areas, entryways, farmers' markets, plazas, and community street fairs (NOTE: Policy HE-E.11 addresses smoking in parks and HE-H.4 addresses multi-unit housing).

- HE-B.24 **Tobacco cessation services.** Increase the number of programs, clinics, and social service agencies that implement evidence-based tobacco cessation treatment services, consistent with the U.S. Public Health Service Clinical Practice Guidelines. Provide directed assistance and opportunities to those groups having highest rates of tobacco use.

Strategy 4: Integrate behavioral health care into the health care delivery system.

- HE-B.25 **Integrated care and services.** Organize behavioral health services provided by the County to deliver the highest possible level of care, integrated with other health and human services, including healthcare, education, social services, criminal justice and housing and homeless support systems.
- HE-B.26 **Community level integration.** Coordinate with community behavioral and mental health services organizations to better integrate and provide services. Develop neighborhood and local community level capacity within the system to ensure accessibility and culturally-competent service provision given the diverse makeup and needs of the population.
- HE-B.27 **Diverse cultural needs.** Ensure the accessibility of services that meet the cultural, linguistic, gender, and sexual orientation needs of client population.
- HE-B.28 **Increase availability of treatment and providers.** Address the potential shortage of professional counselors, therapists, and psychologists available to provide services given the increasing demand and availability of insurance coverage.
- HE-B.29 **Parity.** Promote parity for behavioral health services and needs with physical health in all services and settings.

Strategy 5: Reduce death by suicide, suicide attempts, and related risk factors.

- HE-B.30 **Intervention services.** Implement and coordinate suicide prevention and intervention programs and services for targeted high risk populations.

- HE-B.31 **Media communication.** Develop local communication “best practices” to improve media coverage and public dialogue related to suicide.
- HE-B.32 **Suicide awareness.** Implement policy and governance advocacy to promote systems change in suicide awareness and prevention. Ensure public messaging and responses to suicide-related concerns are in alignment with best practices for prevention and awareness.
- HE-B.33 **Data monitoring.** Establish a robust data collection and monitoring system to increase the scope and availability of suicide-related data and evaluate suicide prevention efforts.

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xiv Violence and Mental Illness: The Facts (2013) SAMSHA www.Stopstigma.org

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C. LAND USE AND URBAN DESIGN

Background

The manner in which urban growth is managed on a regional scale, how land uses are arranged, and how the urban environment is designed and developed has a strong influence on the health and well-being of residents. The mix, intensity, and design of communities affect such things as a resident's level of physical activity, access to nutritious foods, and provides for social connectedness instead of isolation. It also affects exposure to pollutants and noise, potential for crime, and other adverse impacts. Residents of highly auto-dependent communities can have a greater chance of health problems related to a sedentary lifestyle, including obesity, diabetes, and social isolation. Transit-dependent populations are also impacted by lack of adequate transit options in areas difficult to serve with frequent bus service, bus rapid transit, or municipal rail. On the other hand, research indicates that certain land use and urban design characteristics can encourage and facilitate healthier behaviors. These characteristics include:

- Walkable areas with a diverse mix of uses (i.e., homes and jobs are closer together and within walking distance of goods and services, grocery stores, schools, parks, and other destinations);
- Attractive streetscapes and short block lengths with safe crossings;
- Higher population and employment densities in strategic areas; and
- Job and housing locations and concentrations that make transit use more viable and create more of a balance of employment within each jurisdiction.

Together, these land use and design characteristics can increase a resident's opportunity to walk and bike for transportation and recreation. This in turn can contribute to more positive health outcomes.

Santa Clara County's urbanized areas can be generally characterized as having low to moderate densities of development, mostly suburban in nature, except for concentrations of higher intensity uses in downtowns, selected other locations, and along certain transit corridors. The County also contains vast areas of sparsely populated rural mountainous lands in the Diablo Range, Santa Cruz Mountains, and south valley agricultural lands. The focus of this section is the urban area built environment and landscape, where most of the County's 1.8 million residents live, while acknowledging that the rural areas also have unique opportunities to address and improve health.

There are many portions of Santa Clara County that exhibit low levels of walkability, separated land uses, and a lack of accessible employment opportunities, essential services, and recreational facilities. Office parks and campus style developments can be attractive locations for businesses and employees, but are often devoid of a sense of place, urban amenities, or interest other than as an employment location.

Of the County's urbanized areas, the highest density and most walkable areas are in and around the downtowns of cities, such as San Jose, Palo Alto, Mountain View, and others. Many residential neighborhoods have medium to low walkability due to disconnected, non-grid street design and a low mix of proximate services and amenities, which is typical of most suburban areas developed in the mid-20th century. Maintaining or providing continuous sidewalks can be a simple, but important aspect of neighborhood walkability.

The location and distribution of employment centers and jobs can also strongly influence a region's functionality and character. Santa Clara County's jobs are not evenly distributed throughout the area. The Cities of Santa Clara, Palo Alto, Mountain View, Santa Clara, and Sunnyvale have the greatest concentration of jobs, while the Town of Los Altos Hills, the Cities of Saratoga, and Morgan Hill, and unincorporated Santa Clara County have the lowest concentration of jobs. San Jose, the largest city with a population nearing 1 million, has the largest urbanized downtown, but most of its historical growth and development since the 1950s consisted of suburban single-family subdivisions, multi-family developments along major arterials, and shopping centers. A major focus since the 1980s for San Jose has been to achieve employment and economic development to create more balance, to rejuvenate downtown, strengthen existing neighborhoods, and promote new transit-oriented, smart growth developments within its existing urban footprint. The most recent innovation in this evolution has been the city's Envision 2040 General Plan, and its promotion of Urban Transit Villages. As with many large cities, San Jose has abundant opportunities for redevelopment and infill. A challenge for urban planning is to make the most of such opportunities for place-making and complete communities, rather than settling for density for the sake of density.

This section of the Health Element contains policies that will contribute to healthier lifestyles, while reinforcing many of the longstanding countywide smart growth policies and principles shared by the County, cities, and regional agencies such as ABAG, Association of Bay Area Governments, and LAFCO, the Local Agency Formation Commission. These policies encourage new urban development in walkable areas of the County (such as near downtown and along high frequency transit service), improve walkability of all urban neighborhoods and employment areas, preserve existing rural and open space areas, design new developments on a variety of scales to enhance physical activity, and locate goods and services in closer proximity to residents, creating more complete communities. It promotes development patterns that will increase

options for residents and workers to walk, bike, and use transit as part of daily life, whether for recreation and/or transportation.

The Health Element is intended to serve as a model for many implementing entities. Each city within Santa Clara County should interpret and implement the strategies and policies of this section and others in a manner most appropriate for the varied urban environments within their jurisdiction. Within many cities, priority development areas (PDAs) are reflected in city general plans and regional sustainability plans, such as Plan Bay Area, that direct most new major development opportunities and growth to a small percentage of the overall urban landscape. However, even within existing, long built out neighborhoods and non-residential areas, there can be improvements to walkability, safety, and proximity to goods and services. Reuse and renovation of older commercial centers can improve neighborhoods and increase amenities, improve the quality of our urban experience, reduce travel demand, and increase diversity. Ultimately, even single use office parks may be re-envisioned to promote more housing and mixed use in proximity to workplaces.

Within the unincorporated areas under County land use jurisdiction, the County also plays a significant role in various ways, for both the urban unincorporated islands that have not been annexed to cities, and for preserving the rural, open space character of lands not planned or intended to become part of the urban area. All County and other governmental agencies can also reference these strategies and policies when collaborating with or providing guidance to the cities, to special districts, non-governmental organizations interested in these subjects, and engaging the public.

Major Strategies and Policies

Policies within this section fall under a series of major land use and urban design strategies that provide overall direction to promote and protect public health. The major strategies are as follows:

Strategy #1: Maintain urban growth and development policies that accommodate future urban development appropriately within existing cities.

Strategy #2: Plan for and create complete and healthy communities that support a mix of land uses, services, and amenities.

Strategy #3: Design and build new development at the project level for health and sustainability.

Strategy #1: Maintain urban growth and development policies that accommodate future urban development appropriately within existing cities.

The County, its fifteen cities, and the Santa Clara County Local Agency Formation Commission, which governs municipal boundaries, have for over 35 years jointly implemented countywide urban growth management policies that require urban uses and development to be located in cities. These joint land use policies provide for new urban housing and other land development within the urban footprint of the existing urbanized area, and promote conservation of rural lands for a variety of stewardship purposes. Creating dynamic, complete communities, with attractive walkable environments, and healthier mixes of uses, can best be accomplished within the existing urban footprint, through redevelopment, rehabilitation, and reinvention.

Policies:

- HE-C.1 **Healthy development model.** The County's Health Element and growth management policy framework, which is maintained in conjunction with the cities and Local Agency Formation Commission, should serve as a model for the region in healthy land use and urban development policies.
- HE-C.2 **Urban area footprint.** Accommodate new urban growth and development only within existing urban service areas or urban footprint, consistent with countywide growth management policies. Most new urban development should occur through urban infill, redevelopment, and compact and transit-oriented development.
- HE-C.3 **Focused development.** Focus the majority of new higher density development in Santa Clara County in "Priority Development Areas" (PDAs), consistent with city and regional plans to complement and provide for sustainable growth, greenhouse gas emission reduction goals, and coordinated transportation investment.
- HE-C.4 **Downtown and corridor development.** Maximize development potential in downtowns and along commercial and transit corridors, to ensure the efficient use of land and existing infrastructure and to promote employment locations along transit rather than in isolated, difficult to access locations.

- HE-C.5 **Health planning coordination.** Maintain and enhance coordination with the cities to incorporate and emphasize health considerations in general plans, area plans, and new urban development.
- HE-C.6 **Open space preservation.** Preserve rural open space and natural areas and focus urban uses and development away from these areas to protect natural resources, agricultural lands, animal habitat, forested lands, and water supply resources.

Strategy #2: Plan for and create complete and healthy communities that support a mix of land uses, services, and amenities.

Within the context of the urbanized areas, greater attention should be paid to creating quality as well as quantity and greater densities of urban development. Urban design helps create sense of place, capitalizing on a climate in Santa Clara County that is highly favorable to walking, bicycling, use of outdoor public places, cafes, and neighborhoods. The more proximate and accessible jobs, housing, commerce, parks, and amenities are to each other, the more cities create and enhance a sense of place, livable urban settings, and healthful alternatives to automobile dependent development patterns.

Policies:

- HE-C.7 **Complete communities.** Create more complete communities that afford greater access to a range of goods and services within comfortable walking and biking distance of homes, schools and jobs. In creating complete communities, the following should be considered:
- a. Designing space for neighborhood-serving retail and community services within walking distance of the majority of residential areas.
 - b. Providing active parks, plazas, paths and trails, urban forests, and open spaces.
 - c. Locating community-serving uses, such as childcare, educational facilities, and public facilities near to neighborhoods.
 - d. Providing safe and attractive pedestrian and bicycle connections between and within neighborhoods and nearby goods and services.
 - e. Encourage the development of diverse rental and owner housing for all income levels and special needs populations.

- HE-C.8 **Development without displacement.** Encourage cities to consider best practices to mitigate for displacement and gentrification effects in new urban area development projects, focused urban infill development and Priority Development Areas, and similar large scale development and area plans.
- HE-C.9 **Walkability.** Develop attractive, safe, and walkable areas that are designed and constructed to be pedestrian friendly and include features such as short blocks, wide sidewalks, tree-shaded streets, and buildings that define and are oriented to streets.
- HE-C.10 **Development densities.** Encourage new development, especially multigenerational and multi-family housing near transit corridors and neighborhoods centers and at densities that are supportive of transit, mixed use and complete communities.
- HE-C.11 **Public spaces.** Maintain and create new urban public spaces that enhance the urban pedestrian environment, provide social gathering places and are located at appropriate locations within the urban environment.
- HE-C.12 **Reduced parking.** Reduce parking requirements where possible in permitting new development. Provide for alternative commute and transportation modes and make more efficient use of lands within employment development areas.
- HE-C.13 **Office park retrofit and mixed use.** Encourage cities to retrofit and redesign low-density office and business parks with mixed use and mid-rise housing development for employees and others. Where possible, redevelop such areas with appropriate retail and reduce parking as part of transit village development.

Strategy #3: Design and build new development at the project level for health and sustainability.

At the development project level, many aspects of design and implementation can enhance livability, walkability, and health. It is not uncommon to find office and campus developments in many locations with no internal pedestrian accommodations or external connections other than streets. Whatever the type or mix of urban uses and development conceived and executed in appropriate locations, best standards and

design principles can be incorporated to improve or create more healthful places and outcomes.

Policies:

- HE-C.14 **Health-focused developments.** Design new development projects in the county's urbanized areas to support better public health outcomes using health impact assessments.
- HE-C.15 **Healthy buildings.** Promote a healthy built environment by designing buildings for healthful living and working conditions through enhanced internal circulation, healthy building materials, design for universal accessibility, mechanical and HVAC systems, and green building standards for new and rehabilitated construction that enhance health and wellbeing.
- HE-C.16 **Space design.** Where new higher density and mixed use development occurs, focus on providing high quality street level interface/design, appropriate allocation of space necessary for mixed use, and building orientation to promote place-making and architectural interest.
- HE-C.17 **Human scale.** Promote smaller block sizes and higher intersection density in new development, which promotes connectivity and route choices, encourages more walking and physical activity and improves safety. For existing street networks with long block lengths and/or poor connectivity, create pedestrian cut-throughs, midblock crossings, and new street connections.
- HE-C.18 **Pedestrian paths and connectivity.** Promote clear sidewalk path and trail connectivity in all neighborhoods with appropriate support of residents.
- HE-C.19 **Greenhouse gases and air quality.** Promote developments that reduce greenhouse gas emissions and result in decreased air pollution, especially for children, seniors and others susceptible to respiratory illnesses. Evaluate and mitigate exposure to unhealthy air quality in new developments where risk is greatest.

HE-C.20 **Public facilities siting and design.** Work with local jurisdictions, school districts, County agencies, and other public agencies to site and design public facilities as models for health, with walkable and accessible spaces, transit, bike and pedestrian accessibility, inviting public spaces, and sustainable design.

HE-C.21 **School siting and design.** Promote school and community facilities to serve as hubs or centers for health and human potential, based on the following considerations:

- a. The vulnerabilities of children and other sensitive populations to hazardous substances or pollution exposure;
- b. The modes of transportation available to students, users, and staff;
- c. The efficient use of energy and land;
- d. The potential use of schools and other community facilities as the sites for emergency services and shelter;
- e. Potential joint-use and/or co-location opportunities; and,
- f. The costs/benefits of infrastructure, utility, demolition, operations, and transportation.

D. ACTIVE AND SUSTAINABLE TRANSPORTATION

Background

Transportation patterns, habits, and decisions affect both an individual's and a community's overall health. Every day, people in Santa Clara County use highways, roads, sidewalks, bike lanes, trails, and transit to commute to work, go to school, run errands, and complete numerous other daily activities. However, Santa Clara County's transportation system was primarily developed between 1950 and 1980. During this period of history, the transportation system was chiefly designed for automobiles with limited consideration given to other modes of travel such as walking, biking, and public transit. Therefore, many people today have a limited number of transportation options, particularly active transportation options such as walking or biking.

The existing conditions analysis revealed that in many parts of the County, walking or biking is simply not an option as a result of the existing built environment, the sheer size of the urbanized area, and a lack of infrastructure. Neighborhoods in Santa Clara County with high concentrations of elderly residents tend to be less walkable and have fewer transit-accessible jobs and services. Additionally, many areas lack easy non-car access to essential services, recreational facilities, and employment, and they also exhibit high rates of vehicular, bicycle, and pedestrian collisions. The existing conditions analysis also revealed that transit riders in Santa Clara County have longer average commutes than transit riders in the greater Bay Area, and longer commutes than commuters using other modes in the County. Unsurprisingly, the County exhibits less "sustainable" and less "healthy" mode splits than the greater Bay Area, with commuters driving more frequently and taking transit less frequently.

Healthy communities designed to promote active transportation such as walking and bikingⁱ can help address some of these problems. The benefits of walking and bicycling to school or work, for daily errands, and for recreation include increased physical activity and stress reduction, respiratory fitness in children, lower cancer mortality and morbidity rates in middle-age and elderly populations, and better cardiovascular fitness and reduced cardiovascular risk factors among working-age adults.ⁱⁱ Additionally, when more people bicycle for transportation, car emissions decrease. This can improve air quality (and respiratory health) and reduce carbon emissions that contribute to climate change.ⁱⁱⁱ Finally, walking and cycling are no- or low-cost financial travel options, saving money that individuals would otherwise spend on fuel and car expenses.^{iv}

The use of public transportation can also help individuals meet daily requirements for physical activity and also reduce vehicular emissions and pollution. Studies show that people who take transit to work and for other trips typically walk more per day than those who drive.^v However, many people opt not to use transit due to a lack of available

routes, lack of frequent, reliable service to their destination, and increased travel times. For some the cause may also be unfamiliarity with how to use public transportation, perceived and real challenges for those with disabilities, and perceived safety and convenience issues.

In recent years, there has been a greater emphasis on renovating the transportation system so that it accommodates all modes of travel. During the next several decades, the County and cities within the County will make significant decisions about investments in transportation infrastructure and should use this opportunity consider ways to develop a more balanced transportation system that accommodates all modes of travel safely and efficiently without prioritizing automobile travel at the expense of other modes.

Major Strategies and Policies

This section includes transportation strategies and policies intended to provide County residents with safe, viable, and convenient transportation options, while also encouraging physical activity, decreasing stress, increasing access to employment and essential services, and reducing emissions and air pollutants. The major strategies outlined are as follows:

Strategy #1: Promote and implement complete streets and livable streetscapes.

Strategy #2: Develop a robust pedestrian and bicycle network that enables active transportation for both recreation and transportation.

Strategy #3: Provide balanced, innovative transit systems and services.

Strategy #1: Promote and implement complete streets and livable streetscapes.

Complete Streets is a shorthand term for streets that have been planned, designed, and operated taking into full consideration of the needs of all travelers and users within the corridor, including people of all ages and abilities who are driving, taking public transportation, walking, or riding a bicycle. Ensuring the provision of safe facilities for all users is a core tenet of Complete Streets. Livable streetscapes, a similar concept, seeks to enhance the pedestrian character of streets by providing continuous sidewalks, plantings, benches, lighting and other beautification elements, and generally incorporating design features that minimize the negative impacts of motor vehicle use on pedestrians. It also includes aspects of building and urban design that relate to providing destinations and streetscapes of sufficient interest and diversity to promote walking and biking.

Together, Complete Streets and livable streetscapes help achieve the goals of the Health Element by creating safe means for a range of transportation options, including alternatives to driving alone.^{vi} This in turn helps contribute to improved air quality, increased physical activity, decreased incidence and severity of vehicular, bicycle, and pedestrian collisions, and generally healthier communities.^{vii viii ix} In addition, Complete Streets and livable streetscapes aid vulnerable populations such as children, the elderly, and the disabled by providing different transportation choices and improved mobility. Many older Americans faced with mobility challenges are given the ability to stay independent and “age in place” while children and the disabled benefit via safe walking and biking routes to schools and other destinations.

Policies:

- HE-D.1 **Complete Streets.** Adopt, uphold and implement local policies and ordinances to champion and fulfill complete streets concepts. Require that the planning, design and construction of all transportation projects effectuate complete streets policies appropriate to the urban or rural context of the transportation corridor, consistent with locally adopted general plans and transportation plans.
- HE-D.2 **Prioritize Complete Streets implementation.** Within overall transportation system plans, identify priorities for implementation of complete streets infrastructure improvements to provide demonstrable benefits and promote interest.
- HE-D.3 **Transportation system impacts.** Evaluate impacts to all modes of travel when considering transportation system performance, in coordination with Traffic Impact Analysis and multi-modal level-of-service guidelines developed and maintained by the Valley Transportation Authority.
- HE-D.4 **Transportation improvements.** Consider improvements to add roadway vehicular capacity via new or expanded rights of way or travel lanes only where consistent with anticipated future demand and after considering improvement possibilities to other modes of travel and technologies that add capacity within existing rights of way or travel lanes (e.g.: Express/HOT lanes, bicycle facilities, etc.)
- HE-D.5 **Traffic calming measures.** Provide traffic calming and traffic-slowing measures on roads and at intersections in the County and cities with a high level of existing or planned pedestrian and non-motorized vehicle activity and/or collisions. These elements include, but are not limited to such features as bulb-outs, midblock crossings, pedestrian

refuges, signal alerts, and high visibility crosswalks to moderate traffic flow on local streets, while heightening the visibility of pedestrians and decreasing crossing distances.

- HE-D.6 **Vehicle safety.** Support activities such as outreach and informational campaigns, and increased enforcement of existing speed, seatbelt, and distracted driving legislation to reduce the number and severity of injuries and fatalities involving motor vehicles.

Strategy #2: Develop a robust pedestrian and bicycle network that enables active transportation for both recreation and transportation.

The County, cities and transportation planning agencies should strive to increase the levels of active transportation in the County. A safe, continuous, and more extensive pedestrian and bicycle network provides direct connections between residences, employment, shopping, schools, recreation, and civic uses. Moreover, it can encourage residents to incorporate physical activity as part of daily living and achieve better health outcomes. In addition, participation in Federal and State programs such as Safe Routes to Schools can further create a robust active transportation environment. All these efforts can help create a culture where alternative modes to automobile travel are perceived to be normal and desirable, particularly in a region where the climate is so conducive to walking and biking.

Policies:

- HE-D.7 **Pedestrian network.** Promote and fund pedestrian planning efforts to create a safe and convenient circulation system for pedestrians.
- a. Provide more marked crosswalks and enhance existing marked crosswalks;
 - b. Improve accessibility and connectivity between neighborhoods and commercial areas;
 - c. Provide places to sit or gather, pedestrian-scaled street lighting, and buffers from moving vehicle traffic; and,
 - d. Include amenities that serve and attract people of all ages and abilities.
- HE-D.8 **Bicycle network.** Create a more robust network of bicycle facilities of multiple types that facilitates bicycling for commuting, school, shopping, and recreational trips by riders of all ages and levels of experience.

- a. Prioritize facilities completely separated from vehicular traffic (Class I trails) or along low speed, low traffic roadways (bicycle boulevards, Class II paths, and Class III routes).
- b. Implement additional safety measures for facilities along heavily trafficked arterials, such as buffered bicycle lanes and colored lanes.
- c. Promote and fund bicycle planning efforts.

HE-D.9 **Pedestrian and bicycle safety.** Promote the safety of pedestrians and cyclists to ensure that the safety and needs of all users of the transportation system are considered.

- a. Prioritize funding for improvements in areas with higher rates of biking and walking, as well as bicycle and pedestrian collisions. Also support the improvement of key corridors and intersections with bicycle and pedestrian infrastructure and amenities, crossing improvements, the elimination of at-grade railroad crossings, where feasible, and streetscape designs to address unsafe traffic speeds.
- b. Promote improvements to transit stops and facilities that curb crime and vandalism.

HE-D.10 **Vulnerable users.** Promote awareness and understanding of pedestrians and bicyclists as vulnerable users to improve safety on roadways.

- a. Adopt local policies and programs that heighten awareness of pedestrians and bicyclists, particularly children and older adults, as vulnerable users, for improved safety on roadways.
- b. Promote education regarding state laws requiring motor vehicles to yield to bicyclists, to slow before passing them, and to pass them at a safe distance (the three feet of safety rule).

HE-D.11 **Three E's:** Provide education, encouragement, and enforcement training activities for motorists, taxis, bus operators, pedestrians, and bicyclists to enhance capabilities and awareness of issues related to walking and bicycling, and to promote lawful, responsible, and safe walking and riding. Use available social media and marketing approaches to achieve these goals.

HE-D.12 **Bicycle parking.** Require public and private development projects in the cities and County to provide sufficient bicycle parking and shower and locker facilities, and support the installation of full and self-service bike storage centers in large parking garages, available public plazas and parks, and transit stations.

- HE-D.13 **Bicycle share.** Support the expansion of the regional bike share pilot, helping to identify appropriate locations for system expansion, including neighborhoods.
- HE-D.14 **Way-finding signage and information.** Promote a comprehensive countywide, consistent bicycle and pedestrian wayfinding signage and information system for the most-used trails, paths, and bike corridors connecting major destinations.
- HE-D.15 **Safe Routes to Schools.** Support and expand the Safe Routes to School Program (SR2S) in the County through collaboration between VTA, Traffic Safe Communities Network, cities, school districts, CalTrans, bicycle groups and the County Public Health Department. Include classroom setting instruction, safety training, “walking school bus” events, walking audits and walkability assessments, and promotional events. Assess and upgrade school bus services as appropriate.

Strategy #3: Provide balanced, innovative transit systems and services.

The creation of a frequent, interconnected transit network that supports opportunities to improve and connect important services such as employment centers, medical facilities, and other community assets can increase the appeal of public transit as a transportation option, increase transit use, improve health outcomes, and meet diverse community needs.

Policies:

- HE-D.16 **Transit services.** Provide an appropriate type and mix of transit services in the urbanized areas of the County and for regional and inter-city service needs, including light rail, bus rapid transit, traditional bus, and supplementary services. Complement transit service corridors with sufficient urban density and intensity of uses, a mix of appropriate uses, particularly employment locations, and supportive bicycle/pedestrian networks.
- HE-D.17 **Transit advocacy for underserved communities.** Advocate for increased levels of transit service, particularly in areas of the County with a lack of transit access that experience health and socio-economic inequities.

- HE-D.18 **Coordination with transit agencies.** Coordinate with transportation service providers to improve transit service and access in the County, focusing particularly on areas with high concentrations of zero vehicle households and on the improvement of transfers and connections between systems.
- HE-D.19 **Transit to essential needs/services.** Collaborate with VTA and other transit providers to review and improve transit service to medical and social service facilities in the County.
- HE-D.20 **Transit stop amenities.** Support the installation of various transit stop amenities, including shelters, benches, real-time information panels, lighting, bike parking, bike share stations, etc.
- HE-D.21 **Senior transit.** Work to expand affordable and reliable transportation options for older adults and persons with disabilities, focusing on neighborhoods with high concentrations of elderly residents and low walkability scores. Support community and neighborhood-level organizations for ride-sharing and meeting needs of those who cannot or no longer drive.
- HE-D.22 **Employee shuttles and bus services.** Support coordination between private shuttle providers, major employers, and local agencies to minimize shuttle impacts, improve efficiency, and increase shuttle ridership, including possible detailed studies of shuttle systems and shuttle use.
- HE-D.23 **Transportation Demand Management.** Require employers to implement transportation demand management programs that promote carpooling, vanpooling, shuttles, and transit use. Increase TDM requirements and percentages of trip reduction necessary to mitigate for transportation impacts of major employment and commercial development, as appropriate and necessary given the particular location and context of each city program

ⁱ Oja, P., et. al. (2011). Health Benefits of Cycling: A Systematic Review. *Scandinavian Journal of Medicine and Science in Sports*, 12(4), pp. 496-509.

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E. RECREATION AND PHYSICAL ACTIVITY

Background

Physical activity has multiple benefits for physical and mental health. Researchers have found that physical activity reduces the risk of disease, including heart disease, stroke, type 2 diabetes, depression and anxiety, and some cancers. In addition, physical activity helps control weight, strengthens bones, prevents falls among older adults, increases chances for a longer life, and may improve academic achievement among students.ⁱ

ⁱⁱAlthough Santa Clara County ranks as the third healthiest county in the state,ⁱⁱⁱ physical inactivity remains a problem among much of the population, varying by race, age and gender.

Sedentary jobs and similarly sedentary leisure time activities, long commutes, financial and work stresses, and distances to parks and schools make it challenging for many adults and children in Santa Clara County to integrate physical exercise into their daily routines. Among school children, only 25% of fifth graders, 33% of seventh graders, and 43% of ninth graders meet physical fitness standards, with Hispanic/Latino and Black students being the least likely to be physically fit.^{iv} Only 57% of adults in the county meet recommendations for “vigorous physical activity.”^v

The Institute of Medicine has recognized the building and maintenance of safe attractive parks and playgrounds in proximity to residential areas, and the improvement of access to recreational facilities through reduced costs, increased hours, and the development of culturally appropriate activities as promising practices for reducing childhood obesity.^{vi} Studies have shown that adults and children with safe and easy access to aesthetically appealing, conveniently located parks, playgrounds, trails, and recreation facilities are more likely to engage in regular physical activity.^{vii viii ix} In addition, park users are more likely to participate in higher levels of physical activity where there are facilities such as ball courts and playgrounds and amenities such as bike racks.^x

Children are more likely to be physically active outdoors than indoors,^{xi} and physical activity is comparatively more vigorous in outdoor settings.^{xii} Parks and green spaces also provide opportunities for contact with nature, particularly in more densely populated urban settings. Research has shown that proximity to green space is associated with health and a sense of well-being and may reduce the frequency and severity of symptoms of Attention Deficit Hyperactivity Disorder in children.^{xiii xiv}

The regional and urban park system provides outdoor recreational facilities that encourage physical activity, among other services. However, distribution and access to these facilities varies by jurisdiction and neighborhood. The average walking distance to

the nearest park is 1,071 feet (approximately one-quarter mile) within the urbanized areas of the County. Southeast San Jose, western Palo Alto, and portions of the Cities of Morgan Hill and Gilroy lie further than a mile from the nearest park.^{xv} Low-income areas in Campbell, Cupertino, Los Altos, Los Gatos, Milpitas, Mountain View, San Jose, and Saratoga have fewer areas of parkland than the jurisdiction-wide average, and neighborhoods with higher concentrations of non-White residents also had disproportionately less park land.^{xvi} When surveyed, a lower percentage of Latinos (75%) than Whites (85%) reported having access to safe public indoor and outdoor exercise facilities in their neighborhood.^{xvii}

In addition to having accessible park spaces, completing trail and pathway connections, making more accessible bikeways, and sidewalk maintenance enable residents to walk in neighborhoods, along city and regional trails, and to other destinations as either a recreational activity or for non-leisure purposes. More and more residents should be encouraged to walk, the most basic and lowest impact form of moderate exercise, with benefits equal to more vigorous forms of exercise. Increasing research indicates just sitting too much at work, in front of the television, at computers, or in cars, puts people at higher risk for disability, cardiovascular disease, and death from any cause.

Major Strategies and Policies

This section includes a series of park and recreation strategies and policies that encourage physical activity. The strategies and policies are organized by various subtopics, including: park provision and location; park safety and quality; park access; and physical activity programs. The following combination of park and recreation strategies and policies seek to encourage physical activity:

Strategy #1: Create opportunities for physical activity, recreation, and relaxation.

Strategy #2: Improve the usability/connectivity, aesthetics, and safety of existing parks, trails, and open space.

Strategy #3: Enhance programs in cities, school districts, other agencies, and workplaces that promote physical activity and wellness at all ages.

Strategy #1: Create opportunities for physical activity, recreation, and relaxation.

Santa Clara County has numerous regional parks, regional trails and bikepaths, and city parks, and a climate that encourages outdoor activities. However, where possible, cities and the County should enhance opportunities for activity and recreation within existing facilities and remedy deficiencies, especially where residents are at greater risk for obesity and related adverse health outcomes. Existing neighborhoods can be enhanced

by creating safe, diverse, and attractive places for physical activity, recreation, and relaxation, meeting residents' needs to quickly and safely access recreational opportunities close to where they live and work. In areas currently lacking parks and green spaces, playgrounds, and recreation facilities, strategic plans with neighborhood input are needed to determine how best to promote more active lifestyles.

Policies:

- HE-E.1 **Parks and services for communities of concern.** Prioritize the development of new parks and other recreational services, including low impact facilities and equipment for older adults and the disabled in underserved neighborhoods and areas with large numbers of communities of concern.
- HE-E.2 **Location of recreational facilities.** Emphasize the development of recreational facilities, parks, and loop trails in close proximity to employment centers, existing neighborhoods and other community facilities such as schools, senior centers, and recreation centers to promote ease of use.
- HE-E.3 **Shared-use agreements.** Encourage shared-use agreements between jurisdictions and school districts that allow school properties to be used safely and securely during non-school hours for community recreation needs.
- HE-E.4 **Public easements.** Coordinate with public entities to construct new parks and open space on easements and public property to be used as parks and trails.
- HE-E.5 **Concurrent development.** Develop new parks, gardens, trails, and open space facilities concurrent with other forms of development in densifying urban neighborhoods to encourage physical activity and mitigate the urban heat island effect.
- HE-E.6 **Facility incentives.** Remove regulatory barriers and provide financial incentives to encourage the location of affordable public and private exercise facilities, especially in underserved areas.
- HE-E.7 **Park distribution.** Strive to have all county residents within a 15-20 minute walk (approximately one mile) of a park or recreational facility.

Strategy #2: Improve the usability/connectivity, aesthetics, and safety of existing parks, trails, and open space.

Public agencies can increase the use and desirability of existing parks and recreational facilities by upgrading infrastructure, providing additional amenities such as water stations, and increasing health and safety for park users. Partnering with businesses, community groups and non-profits offers opportunities to increase public presence and safety, as well as improve maintenance and create new facilities. Space definition, lighting, and other strategic improvements, including signage along trails, are also important for increasing overall activity levels among the public.

The more accessible and connected parks, trails, and open spaces are to the public, the greater likelihood of their use for both recreation and commute purposes. Public agencies can promote greater accessibility to parks and recreational space by improving access points for multi-modal users, such as pedestrians and bicyclists, and enhancing connections between facilities.

Policies:

- HE-E.8 **Multiple use facilities.** Encourage the renovation and expansion of facilities and amenities in existing parks, considering multiple uses. Provide well-designed active play structures, amenities to accommodate a range of users, water stations, perimeter paths and/or other improvements.
- HE-E.9 **Design features.** Incorporate design features in the multi-use open space networks that reflect the history, culture, sense of place, and unique characteristics of the community.
- HE-E.10 **Safety concerns.** Address actual and perceived safety concerns that create barriers to physical activity, by requiring adequate park lighting, appropriate landscaping, and defensible spaces.
- HE-E.11 **Smoke-free parks.** Encourage and support local jurisdictions in establishing and enforcing smoke-free parks and recreational areas.
- HE-E.12 **Trails and parks network.** Support County efforts to create a completely connected network of trails and parks throughout unincorporated and incorporated areas of the County that link to housing, work, commercial centers, public transit, and community facilities. Partner with cities and other organizations to complete a gap analysis of current trail system, and needed improvements to connect trails in cities and in unincorporated areas.

- HE-E.13 **Transit access.** Work with VTA and other transit providers to provide low-income communities with adequate access to parks and recreational facilities.

Strategy #3: Enhance programs in cities, school districts, other agencies, and workplaces that promote physical activity and wellness at all ages and physical abilities.

Innovative recreational programs can activate park and recreational spaces by supporting and encouraging physical activity for a range of park users. Such programs can increase interest levels in the use of parks and trails as alternatives to indoor facilities, and increase appreciation of natural surroundings.

Policies:

- HE-E.14 **New park users for health.** Support the development and expansion of programs that encourage underserved communities and people with health issues to use parks and recreational facilities.
- HE-E.15 **School district programs.** Encourage and support school district programs that support physical activity and wellness.
- HE-E.16 **Multiple park uses.** Promote multiple uses of parks including fitness classes, recreation, arts and cultural events, community gardening, and environmental conservation.
- HE-E.17 **Public information to diverse populations.** Promote informational access to programs and activities in a culturally sensitive manner to the diverse populations.
- HE-E.18 **Innovative funding and development.** Explore innovative funding and development concepts with non-profit groups and large employers for increased physical activity programs and facilities.

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F. HEALTHY EATING, FOOD ACCESS, AND SUSTAINABLE FOOD SYSTEMS

Background

Individual and community health are affected by many factors related to food, including healthy food accessibility and sustainable food systems. Diet and exercise, for example, have become one of the most effective means of preventing and treating significant chronic diseases, such as heart disease. How our communities and regions function to promote healthy eating, variety of healthy choice, and complementary activities, such as nutrition education and food literacy, is of increasing importance to public health. Improving collective understanding will be critical to ensuring long-term health goals for society, including the ability to manage increasing costs associated with serious increases in diet-related chronic diseases, such as diabetes.

The system of food involves where food comes from, how it is produced, how it gets to neighborhood stores, how it is marketed, what is offered in our schools, workplaces, and institutions, and what happens to it when we compost or throw it away. It is a system of interconnected people, resources, and activities that collectively have a profound impact on our health, the environment, and communities.

The food system can be understood as being comprised of five main sectors: agricultural production, processing, distribution, retail (or consumption), and waste. Figure 1, provides a conceptual framework for understanding these sectors and their linkages.

Santa Clara County's food system is part of a larger regional Bay Area food system, which in turn is part of a national and global system linking people and food. Every day, everyone who lives and works in Santa Clara County will participate in this food system in multiple ways.

A healthy food system promotes access to affordable, healthy, fresh, and culturally appropriate foods through a variety of venues and businesses. A healthy food system also supports the livelihoods of local

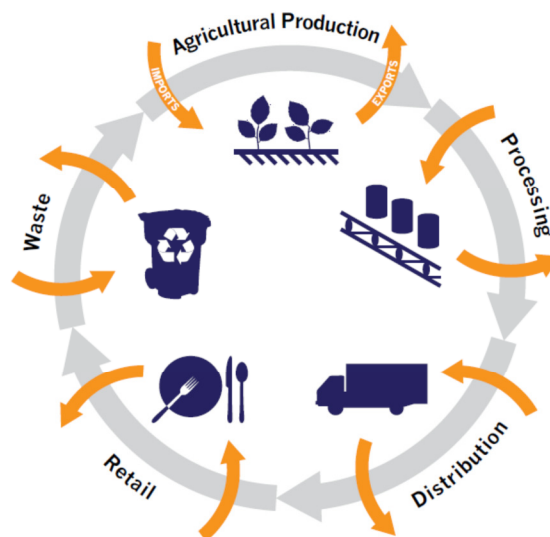


Figure 1: The Food System, from *Locally Nourished: How a Stronger Regional Food System Improves the Bay Area* (2013).
www.spur.org/files/spur-reports/SPUR_Locally_Nourished.pdf

farmers and ranchers and the economic viability of farmland and other working landscapes, which in turn contribute to open space and agricultural land preservation. Local food systems can also reduce the environmental impact of the global food production and distribution system we have come to rely upon, reducing “food miles” (the distance agricultural products travel between the field and consumers’ plates). Lastly, the farms and open spaces of the region contribute much in ecosystem services through food provision, climate and disease regulation, groundwater recharge, nutrient cycles and crop pollination, habitat, aesthetics and other community benefits.

The current food landscape in Santa Clara County provides both opportunities and challenges for achieving a healthy food system. Key opportunities include the following:

- A rich tradition of agriculture, from the past to the present: The County is home to over 31,000 acres of important agricultural lands located on 1,048 farms and ranches. In 2012, the County produced over \$260 million worth of agricultural products.
- A diversity of food business and local food resources: As of 2012, there are over 30 active community gardens, 43 farmers’ markets, and 22 Community Supported Agriculture (CSA) programs in Santa Clara County. Thousands of residents, businesses, and organizations utilize these local-food resources. The most walkable areas in the County also have the most sources of local foods.
- A strong and growing culture and network of residents and community groups/organizations supporting urban agriculture, local food, healthy food access, and food security.
- A countywide system of urban growth management and rural land stewardship policies that have been successfully implemented since the 1970s.

Key challenges include the following:

- Continued viability of agriculture and land preservation: There are many challenges to maintaining farming and ranching as viable businesses in close proximity to a metropolitan area; furthermore, some organizations estimate that over 63,400 acres of farmland and rangeland countywide, including up to 55% of county’s remaining important farmland, are at varying risk for conversion or development -- especially along Highway 101 between the Cities of San Jose, Morgan Hill, and Gilroy.
- Economic barriers to food access: About one-third of County adults and over half of Latino adults live in “food insecure” households, while government programs that supplement food resources for families, such as Women, Infants, and Children (WIC) and CalFresh, are undersubscribed and vulnerable to cutbacks.
- Unequal access to healthy food sources: In general, low-income areas have unhealthier retail food environments than high-income areas. Furthermore, the

lower-income areas within certain cities, such as Palo Alto, Milpitas, and Los Altos contain fewer healthy food stores such as supermarkets, grocery and produce stores and farmer markets than the average for these cities.

- Neighborhoods where unhealthy options greatly outweigh healthy: Only 16% of all food retailers in the County are “healthy,” due partly to the high percentage of all restaurants that are fast food establishments. Jurisdictions offering the highest percentage of healthy retail food include the Cities of Los Altos (32%), Milpitas (28%), Saratoga (29%), Palo Alto (22%), Cupertino (21%), and Mountain View (18%).
- Unhealthy food advertising inundates media and particularly television. Combatting this barrage of information about fast food and diet choices requires effective education and strategies targeted to families, children and young adults.

Major Strategies and Policies

This section of the Health Element includes strategies, policies, and actions designed to respond to these challenges and capitalize on opportunities in the food system. The general strategies outlined for each of these areas are as follows:

Strategy #1: Preserve and enhance local agriculture and agricultural lands as part of the local/regional food system.

Strategy #2: Promote urban agriculture.

Strategy #3: Support a variety of healthy food outlets within neighborhoods and communities.

Strategy #4: Reduce food insecurity and hunger.

Strategy #5: Promote healthy eating and food literacy.

Strategy #1: Preserve and enhance local agriculture and agricultural lands as part of the local/regional food system.

Local food production benefits Santa Clara County in a variety of ways. Agriculture and agricultural land preservation are mutually reinforcing and complementary to the County’s smart urban growth management policies; they provide (along with open space and recreational lands) a “greenprint” to our region’s “blueprint” for regional growth. State laws (AB 32 and SB375) and recently adopted regional plans, such as Plan Bay Area, focus future urban growth within cities and curtail “greenfield” urban development as part of a major strategy to meet housing needs, reduce greenhouse gas emissions, and improve transportation. Local food production can also enhance food security in the face of disruptions in our global food supply that may be caused by climate issues, transportation costs, or other problems.

Policies:

- HE-F.1 **Agriculture support.** Encourage and support sustainable, local agriculture as an integral part of healthy communities and as an engine of economic activity. Reduce regulatory burdens on agricultural use where possible.
- HE-F.2 **Agricultural land preservation.** Preserve agricultural and open space land by maintaining and implementing growth management policies that limit development outside urban areas and support farming and ranching.
- HE-F.3 **Multi-use Agricultural Preserves.** Explore the creation of agricultural parks and preserves, and similar programs for preserving agricultural lands in proximity to urbanized areas.
- HE-F.4 **Environmentally-sustainable agriculture.** Support farmers and ranchers to maintain agricultural practices that maximize sustainability, including soil conservation, water and energy efficiency, waste reduction, reduced chemical use, and enhanced ecological services provided by agricultural lands.
- HE-F.5 **Agricultural viability.** Support local farmers by promoting on site activities that enhance its economic viability but do not interfere with agricultural use, such as processing facilities, farm stands, and agricultural tourism for locally grown products on farm sites and within agricultural areas.
- HE-F.6 **Local food distribution and marketing.** Promote and expand existing marketing and distribution initiatives that connect local agriculture to new markets such as retailers, restaurants, schools, hospitals, food banks and other businesses.

Strategy #2: Promote urban agriculture.

Integrating food production into places where we live, work, receive education, and play provides a myriad of health benefits, including access to fresh produce, activating and enhancing green spaces, moderate physical activity, community and social connection, and nutrition education. Urban agriculture, such as cultivating food in backyard and community gardens and small scale urban farms, can be used to improve food access and promote healthier eating. Interest in urban agriculture is on the rise throughout the country, and concerted efforts should be made to provide opportunities to promote it.

Policies:

- HE-F.7 **Urban agriculture.** Support the expansion of various forms of urban agriculture, including home gardens, community gardens, and urban farms and cooperatives.
- HE-F.8 **Urban agricultural zoning.** Allow for small-scale agricultural use and food production in appropriate urban zoning districts and remove other regulatory barriers to gardening and urban farming.
- HE-F.9 **Public land for growing food.** Encourage the use of available public land for growing food on colleges, schools, parks, public easements and right-of-ways for use as urban agricultural sites.
- HE-F.10 **Equitable access to safe food-growing opportunities.** Prioritize the development of new urban agriculture sites in low income and underserved neighborhoods and coordinate efforts with parks and open space organizations. Combine urban agriculture with food production safety, food literacy and nutritional education.
- HE-F.11 **School/community gardens.** Work with school districts to expand schools yard agriculture and allow community gardens on school property. Employ master gardeners to serve multiple locations.

Strategy #3: Support a variety of healthy food outlets within neighborhoods and communities.

Varied, healthy food environments contribute to community health. Healthy food outlets include grocery stores, corner stores, farmers' markets and community-supported agriculture (CSA).

Policies:

- HE-F.12 **Healthy food access.** Promote healthy food access as a key component of future urban development and neighborhood revitalization.
- HE-F.13 **Promote healthy food retail establishments.** Encourage development and improve access to healthy food outlets, including grocery stores, corner stores, farmers' markets, restaurants, and mobile vendors through programs, regulations, and strategies that incentivize new healthy food retail and limit unhealthy retailers. Provide special considerations to promote healthy retail outlets in underserved areas.

- HE-F.14 **Limit concentrations of unhealthy food outlets.** Avoid an over-concentration of unhealthy food providers such as fast food outlets, liquor, and convenience stores within neighborhoods or near child-oriented uses (e.g., around schools, family day care, etc.).
- HE-F.15: **Collaborative efforts.** Support and collaborate with organizations that implement practices and policies designed to increase access to healthy food and beverages (i.e. schools/afterschool programs, childcares, retail establishments, churches, community-based organizations).
- HE-F.16 **Water bottle-filling stations.** Ensure the availability and accessibility of clean drinking water and water bottle-filling stations in public facilities, businesses, and schools.

Strategy #4: Reduce food insecurity and hunger.

“Food security” means ensuring access by all people at all times to enough food for an active, healthy life. Low-income neighborhoods suffer from disproportionately worse access to food retail outlets that sell fresh produce and have disproportionately higher concentrations of fast food and convenience stores. They are more likely to experience food insecurity and limited or uncertain access to adequate food. Food assistance programs and policy changes that increase access to healthy foods and healthy food outlets can help increase community food security.

Policies:

- HE-F.17 **Food assistance programs.** Expand participation in federal food assistance programs through partnerships with public agencies, food banks, and community-based organizations.
- HE-F.18 **Food deserts.** Support healthy food retail development in USDA designated “food desert” census tracts, by utilizing available federal funding programs.
- HE-F.19 **Healthy food for low-income shoppers.** Encourage farmers markets, healthy food retail outlets and other food providers to accept federal, state and local food assistance programs such as Supplemental Nutrition, Education Program (SNAP), Electronic Benefit Transfer (EBT) cards and Women, Infants, and Children (WIC) benefits.

- HE-F.20 **Reduced food waste through recovery and distribution networks.** Support the development of organizations and networks that promote healthy food recovery and distribution, to reduce waste, reduce food insecurity, and strengthen community partnerships.

Strategy #5: Promote healthy eating and food literacy.

Santa Clara County has the opportunity to make healthy choices the norm by offering healthy food and beverages in public spaces. Information and knowledge about nutrition and food labels and food preparation skills can help residents of Santa Clara County make healthier and informed food choices. Food literacy is a term used to refer to a fuller, more holistic understanding of the impact our food choices make on health, the environment, and our communities.

Policies:

- HE-F.21 **Healthy food options.** Require healthy food and beverage procurement policies and practices in government buildings and government-sponsored events and establish nutrition standards and local food purchase preferences for food served in cafeterias and other city venues.
- HE-F.22 **Healthy eating initiatives.** Promote healthy food and beverage standards in health care organizations, public agencies, faith-based organizations, and businesses
- HE-F.23 **Partner with schools.** Support the development of new Farm-to-School programs that offer locally grown foods in school breakfast and lunch programs, allow schools to host farmers' markets on weekends or after school hours and connect schools with organizations that can provide nutrition education to students, families and staff.
- HE-F.24 **Breastfeeding.** Support and promote breastfeeding as a means of providing healthy food for the growth and development of infants.

G. AIR QUALITY AND CLIMATE CHANGE

Air Quality

There are numerous sources of air pollutant emissions in Santa Clara County, including stationary sources, such as manufacturing facilities, dry cleaners, and auto body shops, and mobile sources, such as automobiles, trucks, and trains. Each day these sources emit different air pollutants that affect humans, animals, and the overall environment. Air pollution can have a wide range of negative impacts on health. Air pollution exposure can damage the cardiovascular and pulmonary systems and contribute to chronic and acute health impacts, such as asthma, bronchitis, and heart attack.

In 1970 Congress adopted the federal Clean Air Act (CAA). The CAA led to the establishment of standards for ambient concentrations of each of the six “criteria” pollutants – ozone (O₃), carbon monoxide (CO), sulfur dioxide (SO₂), nitrogen dioxide (NO₂), lead, and particulate matter (PM) – which were identified as being particularly dangerous to human health. Since that time, these criteria pollutants, as they have become commonly known, have been reduced by more than half in the Bay Area.¹ Due in part to aggressive state and regional programs for stationary and mobile source emissions, the Bay Area achieves, or is close to achieving, national air quality standards. The region is well below the applicable standards for lead, carbon monoxide, sulfur dioxide, and nitrogen dioxide. However, the Bay Area does not meet state or national standards for ozone and particulate matter.

Although Santa Clara County has been in conformance with State and Federal standards for the most criteria air pollutants, it received a grade of “D” by the American Lung Association for the number of days with unhealthy levels of ozone and particulate matter (PM 2.5) between 2010 and 2012.ⁱ Air pollution concentrations are often worse in lower income neighborhoods, which are more likely to be located near freeways, other major roadways, and industrial sites.

The majority of the health effects of air pollution are due to ozone and particulate matter.ⁱⁱ High levels of ozone are associated with diminished lung function, increased frequencies of asthma attacks, sensitivity to allergens, and premature mortality,^{iii iv v} particularly in people who are physically active outdoors, including children, outdoor

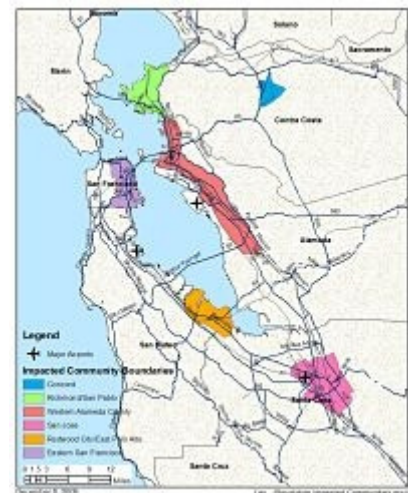
¹ The CAA mandated that standards for ambient concentrations of the criteria air pollutants be established and regulated based upon “criteria documents” – a compilation of scientific information on the formation, concentrations, distribution, and health effects of the pollutants.

workers, and athletes.^{vi} Particulate matter can cause a wide range of health effects, such as aggravating asthma and bronchitis, contributing to heart attacks, and resulting in increased visits to the hospital for respiratory and cardiovascular issues.

Since the adoption of the CAA, improving San Francisco Bay Area air quality has reduced air pollution-related health impacts. An analysis of asthma emergency room visits, respiratory hospital admissions, cardiovascular hospital admissions, chronic bronchitis, non-fatal heart attacks, cancer onset, and mortality found that better air quality provides health benefits with a value of approximately \$25 billion per year for the region. Better air quality is credited with increasing life expectancy by 6 months on average.^{vii} Climate change, however, could reverse decades of improvement in air quality for pollutants such as ozone and particulate matter (described below).

The Bay Area Air Quality Management District (Air District) is the regional agency with regulatory authority over emission sources in the Bay Area, including Santa Clara County. The Air District has established specific rules and regulations to limit emissions that can be generated by specific land uses or activities and developed pollution mitigation measures that are implemented in association with those uses. These rules and regulations form a multi-pollutant framework that controls the emissions of ozone, particulate matter, greenhouse gases, and other air toxics.

The Air District started the Community Air Risk Evaluation (CARE) program in 2004 to reduce health risks associated with local exposures to air toxics. The program seeks to combine technical analysis of health risks associated with air pollution, evaluation of the exposure of sensitive populations, and the identification of significant sources of air pollution to prioritize the use of resources to reduce air pollution in the most highly impacted communities. The Air District identified portions of east San Jose as one of six CARE communities in the Bay Area.



Climate Change

Climate change, which is already affecting California, poses a significant threat to the environment, public health, and the provision of basic services. Climate change is expected to result in overall warmer weather, a greater number of extreme heat and storm events, higher storm surges, reduced snowpack, more frequent droughts, an increase in wildfires, and sea-level rise.^{viii} The impacts of climate change in California will vary geographically and depend on such factors as landscape, infrastructure, vulnerable populations, and readiness. A study of climate change vulnerability in

California, which looked at socio-economic factors, age, housing conditions, isolation, and other indicators such as institutionalized populations, insurance coverage, vehicle ownership and disabilities, found that 20% of the population of Santa Clara County had high social vulnerability to the effects of climate change.^{ix}

State and Regional Sustainability Efforts

The State of California has been a national leader in enacting climate change legislation to reduce greenhouse gas (GHG) emissions, which trap heat in the atmosphere. **Assembly Bill 32**, passed in 2006, requires California to reduce GHG emissions to 1990 levels by 2020. Amendments to the California Environmental Quality Act (CEQA) Guidelines, adopted in 2009, require the consideration of potential impacts of GHG emissions in project review. **Assembly Bill 1532** requires that fees collected from polluters through the cap-and-trade program be used for programs and activities that reduce greenhouse gas emissions. **Senate Bill 375** requires Metropolitan Planning Organizations (MPOs) to develop a Sustainable Community Strategy (SCS) as part of their Regional Transportation Plan, which demonstrates how plans for land use, transportation, and housing will meet regional GHG reduction targets. **Plan Bay Area**, the SCS for the San Francisco Bay Area approved in July 2013, provides a strategy for meeting 80% of regional housing needs in Priority Development Areas (PDA's).

Temperature projections show a warming trend across the San Francisco Bay Area over the rest of the 21st century.^x Although Santa Clara County has a milder climate than many other areas of the state, it is expected to experience an increased number of extreme heat days. Projections for the City of San Jose estimate 71 extreme heat days by 2050.^{xi} Extreme heat poses a severe danger to human health. It can cause a range of health problems, from rashes, dehydration, and cramps, to heat exhaustion or heat stroke, which can result in hospitalization and death. It can also worsen chronic conditions such as cardiovascular and respiratory disease.^{xii}

As temperatures rise and heat events become more common and prolonged, there will also be greater demands on energy usage and possible brown-outs, particularly during extreme heat events.^{xiii} The increased demand for electricity due to air conditioning use will in turn increase air pollution and greenhouse gas emissions from power plants powered by natural gas or other fossil fuels.

People who live in milder climates such as the San Francisco Bay area are not as acclimatized to warmer temperatures as those who live in the central parts of the state. Furthermore, Bay Area residents are less likely to have air conditioning, and some are less familiar with how to reduce exposure and risk of heat-related illnesses at lower temperatures than those who live in hotter climates. For example, during the California heat wave of 2006, the Central Coast (including Santa Clara County) experienced far more emergency room visits and hospitalizations than would be expected based on population.^{xiv}

Some groups are at greater risk of heat-related health effects, including people living in poverty, seniors, pregnant women, young children, people with chronic conditions, the socially isolated, the disabled, and workers in outdoor jobs such as agriculture and construction.^{xv xvi} Temperatures will also be greater in the south part of the county, which has higher average temperatures under normal conditions, and in more densely developed urban areas with higher concentrations of materials such as concrete, asphalt, and glass that intensify heat concentrations. This urban heat island effect can be reduced by planting shade trees, planning for and maintaining urban canopy trees or urban forest concepts, and creating white or cool roofing, including living roofs.

Of critical concern is the likelihood that climate change could reverse decades of improvement in air quality for pollutants such as ozone and particulate matter. Higher temperatures increase ozone precursor emissions and ozone formation,^{xvii} resulting in a significant increase in the number of days that exceed the 8-hour regulatory standard for ozone concentrations.^{xviii} Between now and 2050, air quality scenarios suggest that increased ozone levels related to climate change may offset at least ten years of ozone emissions control efforts in the Bay Area.^{xix}

Climate change is also expected to increase the risk of wildfires and the length of the fire season, which will increase population exposure to particulate matter and other harmful pollutants. Large wildfires have become more regular in the west as spring and summer temperatures have risen over time.^{xx} Projections suggest that wildfire risk will increase across much of the San Francisco Bay Area and Santa Clara County.^{xxi} Wildfires can cause ambient concentrations of ozone and particulate matter to increase significantly. Studies have shown that the particulate matter associated with wildfires is significantly more toxic than the particulate matter ordinarily present in the California atmosphere.^{xxii} An increase in particulate matter from wildfires mixed with the particulate matter present in the atmosphere could be dangerous for vulnerable individuals with pre-existing conditions, resulting in an increase in respiratory and cardiovascular hospital admissions.^{xxiii}

Like most criteria and toxic air contaminants, much of greenhouse gas emissions come from motor vehicles. The transportation sector in California is the single largest source of GHG emissions at 38%, with personal passenger vehicles accounting for 79% of the total.^{xxiv} In Santa Clara County the transportation sector accounts for 42% of GHGs.

Climate Action Plans and Air Quality

Adopted by the Board of Supervisors in September 2009, the Santa Clara County Climate Action Plan (CAP) focuses on County operations, facilities and employee actions to reduce greenhouse gas emissions, energy and water consumption, solid waste, and fuel consumption. The CAP focuses on steps needed to reach a 10% greenhouse gas reduction goal by 2015 but also identifies policies and actions that are needed to reduce emissions beyond 2015.

Along with the municipal climate action plan, the Silicon Valley 2.0 project is a county-wide effort to minimize the anticipated impacts of climate change and reduce the generation of local greenhouse gas emissions. The project uses a risk management framework to evaluate the exposure of populations to climate impacts, examine the potential consequences of this exposure, and develop adaptation strategies that improve community resilience.

Changes in temperature and humidity related to climate change are also expected to affect the timing and severity of many allergens.^{xxv} Warmer temperatures and increased precipitation is linked to increased pollen production for many types of tree and grass species.^{xxvi} Rising pollen levels and longer pollen seasons increase allergic sensitivity and asthma episodes,^{xxvii xxviii} decreasing economic productivity, and increasing the number of school days missed each year.^{xxix} Rising pollen concentrations may also increase the number of individuals who have allergic asthma, which is triggered by a reaction to pollen or other allergens. Exposure to increased levels of air pollution also increases the risk and severity of asthma attacks.^{xxx} Extreme precipitation events and higher temperatures may also encourage growth of indoor mold and fungi, which may increase respiratory and asthma issues.^{xxxi}

Changes in temperature and precipitation may lead to expansion of insect and rodent populations, resulting in increases in vector-borne diseases such as hantavirus, Lyme disease and West Nile virus.^{xxxii} Increases in temperature could lead to larger numbers of salmonella and other bacteria-related food poisoning, since bacteria grow more easily in warm environments. Heavy rainfall and run-off and higher water temperatures could potentially contaminate drinking water by carrying household, industrial, transportation, and agricultural chemicals, sewage, and animal waste into drinking water supplies and further increase the incidence of water and food-borne diseases and the need for careful monitoring.^{xxxiii}

Sea level rise and heavy winter rainfall occurrences in Santa Clara County are expected to produce storm surges and flooding, which could put health infrastructure and other critical facilities such as roads, waste facilities, and wastewater treatment plants at risk.^{xxxiv} Forebay levees, baylands, and similar low-lying areas may be affected by sea level rise, such as salt water intrusion into aquifers where subsidence has occurred. However, Santa Clara County is not subject to the same kind of coastal flooding as other areas. Riverine and urban flooding are of equal or greater concern and can be caused by high water levels in creeks, backed-up storm drains flooding streets and low lying neighborhoods. South county areas may be subject to greater flooding and ponding where local drainage is inadequate.

Low income families spend a larger proportion of their household income on energy and food and other basic needs than families with higher incomes. Since climate change is

projected to cause an increase in the price of necessities, it is expected that this impact will become even more severe.^{xxxv}

Steps to mitigate and adapt to climate change can produce significant health co-benefits. Efforts to reduce vehicle miles traveled by increasing rates of walking, bicycling and transit use can also lead to higher rates of daily physical activity, lower numbers of traffic injuries, and improved air quality. A recent study of the health benefits of active transportation in the San Francisco Bay Area, found that active transport has the potential to substantially lower both the burden of disease and carbon emissions.^{xxxvi} Land use and urban design that places housing near services, businesses, and transit and increases green spaces and community gardens in urban environments could also increase access to healthy foods and build neighborhood cohesion.^{xxxvii}

Major Strategies and Policies

The following major strategies and policies are intended to convey a comprehensive approach for improving air quality, protecting the climate, and protecting public health.

Strategy #1: Strive for air quality improvement through regional and local land use, transportation and air quality planning.

Strategy #2: Reduce health impacts from and increase resiliency to extreme heat events and rising temperatures.

Strategy #3: Increase awareness of and take steps to reduce vector-borne and other infectious illnesses resulting from climate change.

Strategy #4: Increase investment in readiness and coordinated planning to meet expected needs in serving most vulnerable populations.

Strategy #1: Strive for air quality improvement through regional and local land use, transportation and air quality planning.

California and Santa Clara County face significant air quality problems that have a direct impact on human health. Implementing measures for stationary source, mobile source, vehicle trip reduction, mixed-use compact development, and energy and climate measures can help to reduce air pollution and maintain the trend towards steadily improving air quality in the County and Bay Region.

Policies:

- HE-G.1 **Air quality environmental review.** Comply with the Bay Area Air Quality Management District (Air District) project- and plan-level

thresholds of significance for air pollutants and greenhouse gas emissions.

- HE-G.2 **Coordination with regional agencies.** Coordinate with the Air District to implement stationary and area source emission measures.
- HE-G.3 **Fleet upgrades.** Promote Air District mobile source measures that reduce emissions by accelerating the replacement of older, dirtier vehicles and equipment, and by expanding the use of zero emission and plug-in vehicles.
- HE-G.4 **Off-road sources.** Encourage mobile source emission reduction from off-road equipment such as construction, farming, lawn and garden, and recreational vehicles by retrofitting, retiring and replacing equipment and by using alternate fuel vehicles.
- HE-G.5 **VTM reduction.** Support efforts to reduce vehicle trips, vehicle use, vehicle miles traveled (VTM), vehicle idling, and traffic congestion to reduce emissions from mobile sources. These efforts may include improved transit service, better roadway system efficiency, transportation demand management, parking and roadway pricing strategies, and growth management measures.
- HE-G.6 **Regional/local plans.** Encourage regional and local land use planning that reduces automobile use and promotes active transportation.
- HE-G.7 **Sensitive receptor uses.** Protect sensitive land uses, such as residential uses, schools, day care centers, and medical facilities by locating uses away from major roadways and stationary area sources of pollution, if feasible, or incorporating feasible, effective mitigation measures.
- HE-G.8 **CARE Communities focus.** Assist the Air District in tracking and reducing emissions from all sources in CARE communities.
- HE-G.9 **Healthy infill development.** Promote more stringent building performance standards and air filtration for infill development to protect residents from air and noise pollution.
- HE-G.10 **Conservation.** Promote energy conservation and efficiency in homes, businesses, schools, and other infrastructure to reduce energy use and criteria pollutant and greenhouse gas emissions.

- HE-G.11 **Renewable energy.** Encourage distributed renewable energy generation, such as solar and wind turbines, on commercial, industrial, and residential buildings.
- HE-G.12 **Energy technologies.** Support regional and local initiatives that promote integrated building systems, distributed generation, demand response programs, smart grid infrastructure, energy storage and backup, and electric transportation infrastructure.
- HE-G.13 **Fire prevention.** Support State, Federal, County, and local efforts to prevent wildfires. Emphasize prevention cost-efficiency over that of ever-increasing expense of fighting and suppressing wildfires.

Strategy #2: Reduce health impacts from and increase resiliency to extreme heat events and rising temperatures.

Temperature increases and extreme heat events will require the strengthening of preparedness and adaptation of the built environment. Higher temperatures in urban areas are more often seen in neighborhoods with dense land use, impervious, paved surfaces, and an absence of trees and parks.

Policies:

- HE-G.14 **Extreme heat exposure.** Prioritize the use of resources to reduce heat exposure in the most highly impacted communities.
- HE-G.15 **Public information.** Promote coordination among state agencies, the County, employers, health care providers, and the media to communicate the necessary measures to protect workers and residents at risk to extreme heat.
- HE-G.16 **Heat island mitigation.** Support urban greening and the use of green infrastructure to minimize the urban heat island effect.
- HE-G.17 **Access to emergency cooling.** Improve access to cooling during heat events, particularly for the most vulnerability populations. This can include on-site cooling and emergency generators and cooling centers, and exploring incentives for building cooling techniques.
- HE-G.18 **Energy and resiliency in homes.** Utilize cap and trade funds to do energy retrofits and increase extreme heat resiliency for housing, particularly for vulnerable populations.

Strategy #3: Increase awareness of and take steps to reduce vector-borne and other infectious illnesses resulting from climate change.

Public health could be affected by increased cases of vector-borne as well as other infectious diseases (e.g. water and food-borne illnesses), requiring additional funding, control and monitoring efforts as well as public education.

Policies:

HE-G.19 **Vector control coordination.** Continue coordination between the Department of Environmental Health, Public Health Department, and other State and local agencies to ensure that vector populations are managed to protect public health and maintain ecological integrity.

HE-G.20 **Monitor for vectors and infectious diseases.** Continue to monitor specific vector-borne and infectious diseases, such as West Nile Virus, Dengue, and Lyme Disease, to better understand emerging public health threats due to climate change.

HE-G.21 **Pre-planning and response to infectious disease outbreaks.** Work with the public health sector to reduce the risks of vector-borne, foodborne, waterborne and other infectious diseases by planning for emerging diseases and by ensuring adequate health care service capacity.

HE-G.22 **Build public awareness.** Support and expand existing efforts to build public awareness about vector-borne, foodborne, and waterborne diseases by providing accessible materials and information that promote prevention.

Strategy #4: Increase investment in readiness and coordinated planning to meet expected needs in serving most vulnerable populations.

In general, climate change and warming will bring potential for increased demands on health and emergency services for the general population. In addition, some populations have less ability to prepare for, cope with, and recover from the effects of climate change. Identifying these groups and understanding the characteristics that make them more vulnerable is critical in developing adequate procedures and programs for adaptation and disaster response.

Policies:

HE-G.23 **Include climate change effects in emergency and disaster planning.** Recognize and address the health effects of climate change in Local Hazard Mitigation Plans, all Hazard Emergency Plans, General

Plans, Specific Plans, and other policies and ordinances of each city and the County.

- HE-G.24 **Public awareness.** Increase public awareness and understanding of climate change impacts on health and the need to prepare for these changes, including informing the general population and vulnerable communities about severe hazards from local and regional wildfires and health impacts from extreme heat days.
- HE-G.25 **Health facility and hospital readiness.** Work with the hospital industry to create more sustainable and resilient hospitals and clinics in the face of climate change that reduce energy and water use, climate-proof buildings (e.g. raise ground floors in flood prone areas, include operable windows, ensure adequate backup power supply, etc.), and accommodate surges in patient demand.
- HE-G.26 **Health professionals' preparation.** Prepare health care workers for climate change and assess the coping capacity of health care facilities and staffing for increased demand during climate change-related extreme events.
- HE-G.27 **Vulnerable populations.** Identify populations (e.g., seniors, pregnant women, children, homeless, mentally ill, people with chronic diseases, and outdoor workers) more vulnerable to and exposed to specific climate changes in order to develop targeted population-level mitigation and adaptation strategies and to prioritize the use of resources in the most highly-impacted populations.
- HE-G.28 **Local capacity-building.** Build local capacity among citizens, vulnerable communities, including low-income, immigrant, non-English-speaking, and racially and ethnically diverse groups to develop local strategies that increase resilience to climate impacts.
- HE-G.29 **Monitor for change.** Monitor and communicate specific health outcomes impacted by climate change.
- HE-G.30 **Emergency housing.** Coordinate and expand emergency, transitional and supportive housing services provided by the County, cities, and community organizations county-wide to minimize exposure of homeless populations during extreme weather events and those potentially made homeless.

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H. HEALTHY HOUSING

Background

Housing can significantly affect individual and community health, directly and indirectly. Over time, the nexus between health and housing has become better and more fully understood, such that all levels of government more explicitly acknowledge the role housing plays in health outcomes. The Health Element addresses these issues and potential impacts separately from the Housing Element, which focuses more significant attention on overall housing policies, prescribed housing needs and capacity for new housing, programs and specific quantified objectives for housing production on an eight year cycle. Housing elements are subject to the most highly detailed and prescribed content and format of any general plan mandatory element. For further information on the scope and content of the County's housing element, refer to the Housing Element of the General Plan.

One of the most well-known direct health impacts of housing conditions is the continued existence of lead paint in older residences and buildings. It continues to be a health threat despite decades of attention, abatement regulations, and focus. Another that has become the subject of increasing concern is indoor air quality, such as from secondhand smoke and other toxics, and proximity to significant generators of particulate matter pollution, such as freeways, truck terminals, and ports, where diesel fuel emissions are concentrated and pollutant levels are heightened. These impacts also often disproportionately affect disadvantaged or vulnerable populations, due to the location of housing in proximity to freeways, major roads, or other similar sources.

High housing costs also have direct and indirect impacts, reducing disposable income available for medical treatment, food, and other necessities, which in turn may contribute to less preventive care and health maintenance. High costs may also require residents to maintain multiple jobs, live in hazardous or overcrowded conditions, and suffer higher personal transportation costs. High housing costs also contribute to overcrowding and homelessness. The county is home to the 5th largest homeless population in the United States. Chronic homelessness is associated with poor health and a shortened life span. There are many other ways housing contributes to or detracts from community and individual health, including:

- General housing conditions, including substandard housing,
- Neighborhood maintenance and decline, which can lead to reduced values, increasing crime and public safety issues,
- Overcrowding and noise, which can contribute to increased stress, and
- Housing segregation and housing discrimination.

Moreover, the impacts of housing problems such as these can have a detrimental effect on behavioral health as well as physical health. Personal injuries can also result from poorly designed or maintained homes, such as in stairways, bathrooms, walkways. The potential for serious injury in the home increases as the population ages and more and more seniors elect to stay in their own home, for a variety of reasons.

Major Strategies and Policies

To address the health impacts and benefits of housing, this section of the Health Element focuses on the following major strategies:

Strategy #1: Acknowledge the significance of health impacts from housing conditions, supply, and affordability.

Strategy #2: Inventory and improve housing and neighborhood-level conditions, quality, and other environmental factors that contribute to poor health outcomes.

Strategy #3: Promote new and innovative forms of urban housing in appropriate locations for special needs households, intergenerational and diversity needs, aging of the population, and social integration/cohesion.

Strategy #4: Address the needs of the homeless and others receiving social services and assistance with housing services that reduce governmental service costs.

Strategy #1: Acknowledge the significance of health impacts from housing conditions, supply, and affordability.

Policies:

- HE-H.1 **Health and housing connection.** Recognize and address the health effects of housing in general plans, specific plans, and ordinances of each city and the County.
- HE-H.2 **Health impacts of housing costs.** Explicitly address health impacts of high costs and limited supply of diverse and affordable housing types in Santa Clara County.
- HE-H.3 **Unhealthy housing sources.** Strive to identify and eliminate the most common sources of unhealthy housing, including mold and moisture, pests, poor indoor air quality, physical safety problems, contaminants and toxic substances, and deferred maintenance.

- HE-H.4 **Tobacco-free multi-family housing.** Coordinate with cities and other stakeholders to establish tobacco-free housing by prohibiting smoking in multi-family residential housing developments.

Strategy #2: Inventory and improve housing and neighborhood-level conditions, quality, and other environmental factors that contribute to poor health outcomes.

Policies:

- HE-H.5 **Housing inventories.** Maintain and update neighborhood condition inventories and assessments to improve general conditions, housing stock, and needed services.
- HE-H.6 **Housing conditions review.** Identify areas and properties where inspections, investments, and attention are needed to address aging housing or patterns of substandard conditions and code violations.
- HE-H.7 **Staffing and services.** Provide staffing levels and resources within housing and planning agencies to provide an adequate level of investigatory and code compliance staffing and services.
- HE-H.8 **Neighborhood engagement for housing conditions.** Engage citizens, neighborhood councils, associations, and community groups to convene and address health and related housing condition issues within defined neighborhoods of each municipality and unincorporated communities.
- HE-H.9 **High quality building construction.** Design new residential buildings and rehabilitated or converted buildings to minimize or eliminate hazardous conditions, provide healthy indoor air quality, access to natural light and air, and freedom from pests or similar adverse conditions.
- HE-C.10 **Healthy and efficient housing.** Prioritize green building design features that reduce monthly utility costs, enhance occupant health, and lower the overall cost of housing. Support simplification and standardization of green building requirements.

Strategy #3: Promote new and innovative forms of urban housing in appropriate locations for special needs households, intergenerational and diversity needs, aging of the population, and social integration/cohesion.

Policies:

- HE-H.11 **Innovative housing types.** Remove barriers to and create opportunities for innovative/non-traditional housing forms in urban areas such as co-housing and inter-generational housing.
- HE-H.12 **Secondary dwelling units.** Continue efforts to promote the development of secondary dwelling units in appropriate residential districts with appropriate standards, considering the age and context of individual neighborhoods, lot sizes, and parking needs.
- HE-H.13 **Range of housing types.** Encourage a mix of housing types across the county by encouraging rental and homeownership opportunities, enhancing the availability of units with universal design, and providing housing for all income levels and for special needs populations.

Strategy #4: Address the needs of the homeless and others receiving social services and assistance with housing services that reduce health impacts and governmental service costs.

Policies:

- HE-H.14 **Transitional/supportive housing and services.** Locate homeless housing near social and medical services and transit, and design housing to blend with existing neighborhoods and nearby land uses.
- HE-H.15 **Homelessness and health connection.** Acknowledge the acute health impacts of homelessness, particularly for the chronic homeless and children, and the significant correlations between chronic homelessness, mental and physical health, educational attainment, and social integration.
- HE-H.16 **Investment in supportive housing.** Explore all means of increasing the supply of transitional and permanent supportive housing for homeless persons and families, to coordinate service delivery, reduce agency service costs, and improve health outcomes.

I. VIOLENCE PREVENTION AND SAFETY

Background

Violence is a growing public health crisis in the United States, and youth, low-income populations, and people of color are disproportionately affected. In the United States, violence accounts for approximately 51,000 deaths annually.ⁱ Homicide is the leading cause of death for young black men.ⁱⁱ Homicide is the third leading cause of death for youth aged 10-24 years, and every day 13 young people are victims of homicide. Along with the deaths that violence causes are the significant consequences of non-fatal violence, such as injuries and disabilities, mental health and behavioral consequences, reproductive health consequences, other health consequences, and the impact of violence on the social fabric.ⁱⁱⁱ The economic burden of violence in 2005 totaled to \$47.2 billion (\$47 billion in work loss costs and \$215 million in medical treatment).^{iv} In 2010, the combined cost from just medical care and lost work due to homicide among youth aged 10-24 years was estimated \$9 billion nationally.^v

Violence and related trauma across the lifespan takes many forms in the community. At the earliest stages, child maltreatment and bullying can occur. Into adolescence, gang activity, cyberbullying and dating violence may be present. Throughout adulthood, intimate partner violence, community violence, and elder maltreatment can occur, along with criminal activity, workplace bullying and hostile work environments.

In Santa Clara County, there have been some improvements in numerous violence-related indicators over the past decade; however, the disparities among population subgroups are stark and call for priority action. For example, the largest category of homicide victims annually is young people of color 15-24 years of age. School and cyberspace safety also necessitate heightened attention and action. Local data point to the fact that women are more likely to be physically abused by an intimate partner than are men. Men are much more likely to perpetrate violence and experience a violence-related death. African Americans, Latinos, and youth/young adults are disproportionately impacted by violence. Bullying remains a concern for students, parents and schools in Santa Clara County.^{vi}

Violence has health, economic, and emotional impacts on victims and their families and communities. Homicides, physical assaults, rapes, and sexual assaults result in direct and adverse health outcomes for a community. Violent crime also can have a broader impact on the entire community. Research has documented a spectrum of physical and psychological health impacts associated with community violence levels. Fear about safety at home and in the community can lead to chronic stress.^{vii} Witnessing and experiencing community violence causes longer-term behavioral and emotional problems in youth.^{viii} When children or adolescents are victims of violence, the

experience can affect their scholastic achievement,^{ix} and it can limit their overall success as an adult.^x Additionally, fear of crime can modify people's behavior. An individual's perception of neighborhood safety can be a disincentive to walk, be outdoors, or engage in physical activity outdoors. Parents who are afraid of neighborhood crime may keep their children indoors, restricting opportunities for play and social interaction.^{xi}

There is not just one cause of violence or one solution to prevent it. A growing body of research indicates that violence is influenced by a combination of factors across multiple levels of influence, including individual, relationship, community, and societal factors. At the individual level, past exposure to violence and a history of impulsiveness and poor school achievement are associated with violence. At a relationship level, peer delinquency, parental conflict, and lack of monitoring and supervision are associated with violence. At the community level, a lack of social connectedness, residential instability, and gang activity are associated with violence. At the societal level, our understanding of national history, cultural norms about violence, policies that influence job opportunities or support violence prevention programming are also associated with varying levels of violence.

Violence is not inevitable. It can be prevented, and its impact reduced. The factors that contribute to violent responses – whether they are factors of attitude and behavior or related to larger social, economic, political and cultural conditions – can be changed.^{xii} The World Health Organization (WHO) has identified strategies for evidence-based interventions to prevent interpersonal and self-directed violence: developing safe, stable, and nurturing relationships between children and their parents and caregivers; developing life skills in children and adolescents; reducing availability and harmful use of alcohol; reducing access to guns, knives and pesticides; promoting gender equality; changing cultural norms that support violence; and ensuring victim identification, care, and support.^{xiii} The Centers for Disease Control and Prevention has summarized a series of best practice actions to prevent youth violence.^{xiv}

Major Strategies and Policies

In addition to this section, the Social and Emotional Health section includes strategies and policies aimed at improving social emotional wellness and reducing substance abuse—strategies which play a critical role in violence prevention. This section provides a framework to promote violence prevention and overall safety in all communities of the County, with the following primary strategies:

Strategy 1: Improve neighborhood safety and promote neighborhood development.

Strategy 2: Prevent childhood experience/exposure to trauma and violence.

Strategy 3: Prevent and reduce intimate partner violence.

Strategy 1: Improve neighborhood safety and promote neighborhood development.

Strong, vibrant neighborhoods are critical to violence prevention. Strategies and policies that promote affordable housing, quality education, and neighborhood resources also support and build resilience in the community and among families.

- HE-I.1: **Neighborhood business improvement.** Utilize the community economic development model of the business improvement district to reduce violence and crime in affected neighborhoods.
- HE-I.2: **Limit the density of and location of alcohol sales close to schools.** Address the association between higher alcohol beverage sales density with higher incidence of violent crime by implementing policies that limit the density of alcohol beverage outlets and restrict sales close to schools.
- HE-I.3: **Built environment and safe passages.** Promote the development and implementation of strategies that foster safe passages in neighborhoods and around schools with high crime and gang activity to ensure that all residents can travel with confidence and without fear. Lighting, walkability, access to public transportation, and mixed-use space that integrates residential and commercial activity provides settings for people to come together in their community and access to services. Train county and other public agency staff in principles of “Crime Prevention Through Environmental Design” to evaluate and modify proposed designs for public and private developments.
- HE-I.4: **Housing quality and maintenance.** Promote efforts that encourage responsible tenant and landlord engagement to address aging housing and improve blighted conditions.
- HE-I.5: **Neighborhood schools.** Support the expansion of high quality early childhood education with parental engagement. Support policies and practices that encourage student engagement and achievement and limit discipline practices that remove youth from school. Promote policies that support joint use of school property for recreational uses outside of school hours.
- HE-I.6: **Community policing.** Support approaches and policies that integrate violence prevention and crime reduction models with public health and community policing approaches. Support city and County

law enforcement agencies' efforts to improve real and perceived safety concerns in communities most impacted by crime and violence through neighborhood-based strategies that engagement residents and youth in problem-solving.

- HE-I.7: **Workforce development.** Encourage expansion of public/private partnerships and philanthropic initiatives to provide workforce experience and economic opportunities for high-risk youth and young adults.
- HE-I.8: **Restorative justice and healing.** Continue efforts to promote justice through dialogue between victims and offenders. Expand healing, trauma-informed culturally based practices in school districts, juvenile and adult criminal justice systems.
- HE-I.9: **Incarceration and re-entry.** Continue to implement and evaluate the County's Reentry Program and AB 109 Realignment Plan to ensure that formally incarcerated individuals experience healthy re-integration. Implement gender and sexual identity responsive approaches and programs during and post-custody.
- HE-I.10: **Gang prevention/reduction model.** Support ongoing implementation of data-driven, multi-sector strategies in high crime neighborhoods that connect to city and regional efforts. Enhance gang prevention models with health promotion strategies. Enhance data system infrastructure to assist with evaluation and identification and replication of effective gang prevention programs.

Strategy 2: Prevent childhood experience/exposure to trauma and violence.

An ever-growing body of research shows that childhood exposures to trauma contribute significantly to both behavioral and physical illness and adverse outcomes over a life-time. Trauma, particularly abuse, also correlates to future behaviors and potential to inflict similar experiences on others.

- HE-I.11: **Trauma Informed Services:** Implement county policies that require health and social service agencies to train staff and providers in the development and implementation of "Trauma and Healing Informed Services" that are culturally relevant.

- HE-I.12: **Parental and caregiver education.** Promote policies that fund and disseminate best-practice parenting education, such as Triple P (Positive Parenting Program) and evidence-based home visitation practices. Expand knowledge about the impacts of witnessing or experiencing trauma and violence on children in the home, school, and community.
- HE-I.13: **Bullying prevention and school climate.** Encourage positive school climate policies and practices, implementation of evidence-based bullying prevention programs and professional development to increase social emotional learning and wellness practices.
- HE-I.14: **Health care screening.** Implement Model Child Abuse Health Care Policies (American Academy of Pediatrics) including best practice child abuse screening protocols for pediatricians and emergency rooms.

Strategy 3: Prevent and reduce intimate partner violence.

Safe, stable and nurturing relationships that are free of physical, emotional, sexual and financial abuse contribute to healthy home and communities. Victims and those who witness dating or domestic abuse can experience anger and stress, and persistent exposure can lead to poor health outcomes over the lifespan.

- HE-I.15: **Domestic violence response.** Improve coordination and policies to ensure effective response to incidents of reported domestic violence. Expand outreach and education with immigrant communities on law enforcement protocols.
- HE-I.16: **Intimate partner violence prevention.** Support comprehensive school-based policies and training for middle and high school personnel to prevent and respond to dating violence. Expand implementation of evidence-based practices, including social norms change strategies that promote healthy relationships and discourage abusive behaviors. Expand protection orders for youth experiencing dating violence.
- HE-I.17: **Health care screening.** Implement best practice intimate partner violence screening, reporting, and referral policies within the health care system including young adult and pediatric settings.

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Santa Clara County General Plan Health Element – Public Review Draft

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