



Children's Health

# 2026

## Implementation Strategy Report for Lucile Packard Children's Hospital Stanford

*Fiscal Years 2026–2028*



General Information

Contact Person

Joseph Vaughan,  
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Years the Plan Refers to

Fiscal Years 2026–2028

Date Written Plan Was Adopted by Authorized Governing Body

Nov. 5, 2025

Authorized Governing Body That Adopted the Written Plan

Lucile Packard Children’s Hospital Stanford Board of Directors

Name and EIN of Hospital Organization Operating Hospital Facility

Lucile Salter Packard Children’s Hospital at Stanford  
EIN 77-0003859

Address of Hospital Organization

725 Welch Road  
Palo Alto, CA 94304



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## I. About Lucile Packard Children's Hospital Stanford

Lucile Packard Children's Hospital Stanford is a 394-bed pediatric and obstetric facility located on the Stanford University campus in Palo Alto, California. Packard Children's also operates 27 pediatric acute care licensed beds at El Camino Health. In addition, Packard Children's operates six intensive-care nursery licensed beds at Sequoia Hospital.

### Community Health Initiatives

For more than 30 years, Packard Children's Hospital has been committed to improving the health of our community. Providing exceptional services, programs, and funding far beyond our hospital walls has been part of the vision and mission of Packard Children's since its founding. As part of that original commitment, we provide direct health care services to some of our community's most vulnerable members, and we partner with government and local community-based organizations to fund programs that improve the health of our community. Packard Children's Hospital adopted four Community Health Initiatives for 2023–2025:

- Supporting children, adolescents, and young adults in experiencing good social and emotional health (mental health) and being able to cope with life's stressors
- Increasing the number of infants, children, adolescents, and young adults who experience economic stability and related improved health outcomes
- Increasing the number of infants, children, adolescents, and young adults who have access to needed health care services
- Improving the health of infants and new mothers, with a particular focus on reducing disproportional health outcomes

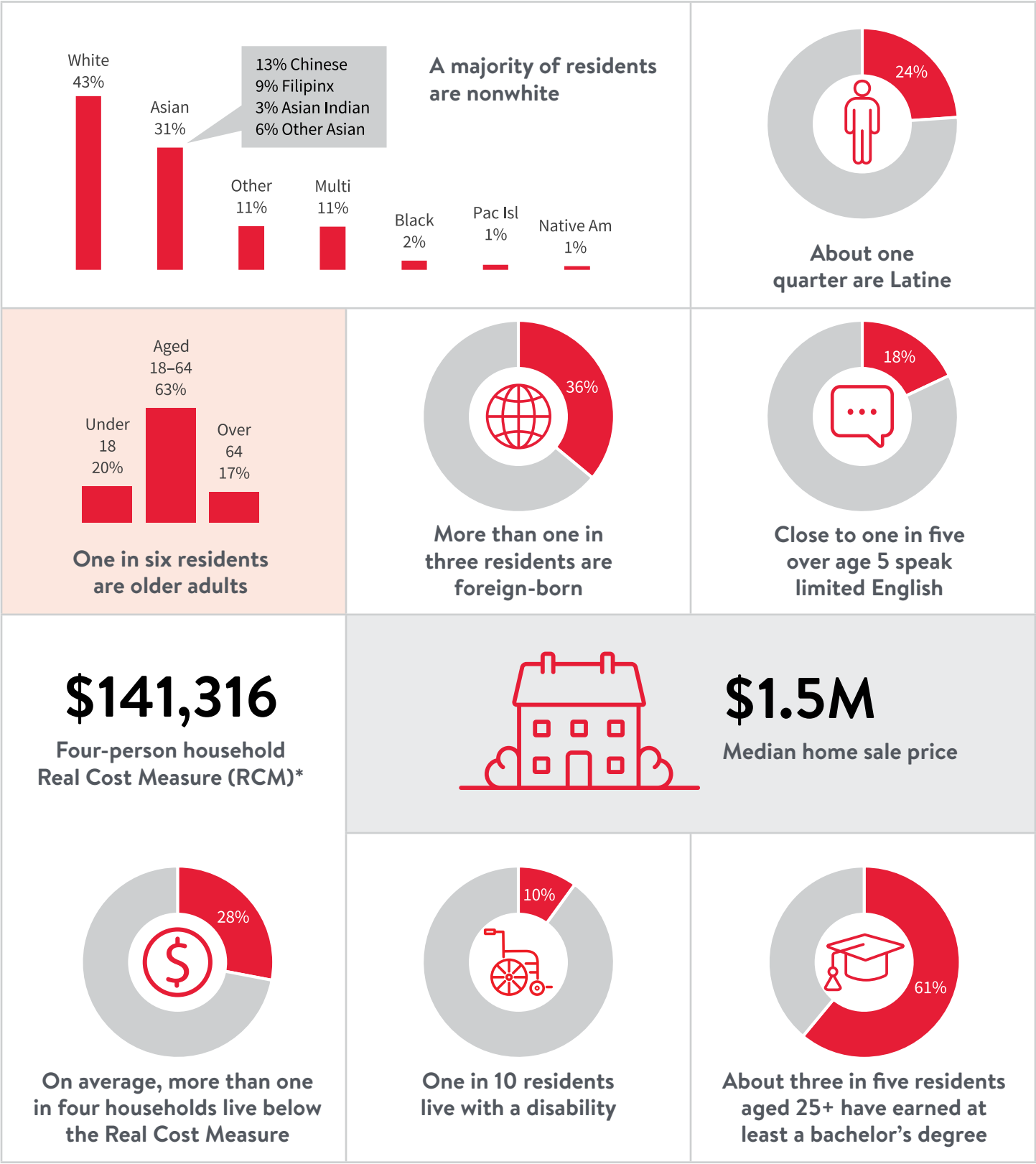
In addition to providing financial and other support for these initiatives, Packard Children's invests in many other hospital- and community-based programs that promote the health of children, teens, and expectant mothers.

## II. Lucile Packard Children's Hospital Stanford's Service Area

Because of our international reputation for providing outstanding care to babies, children, adolescents, and expectant mothers, Packard Children's serves patients and their families around the entire San Francisco Bay Area. Within our primary service area, which encompasses the 13-county Northern California region, Packard Children's ranks first for pediatrics, with 11.4% market share, and second for obstetrics, with 4.9% market share (2023 HCAI).

Our fiscal year 2024 discharge data show that slightly less than half (47.4%) of Packard Children's inpatient pediatric cases (excluding normal newborns) and 82.6% of obstetrics cases come from San Mateo and Santa Clara counties. So, for purposes of our community benefit initiatives, Packard Children's has identified these two counties as its target community. Our hospital ranks first in market share (22.0%) for pediatrics and second for obstetrics (10.4%) in our primary service area.

SAN MATEO COUNTY



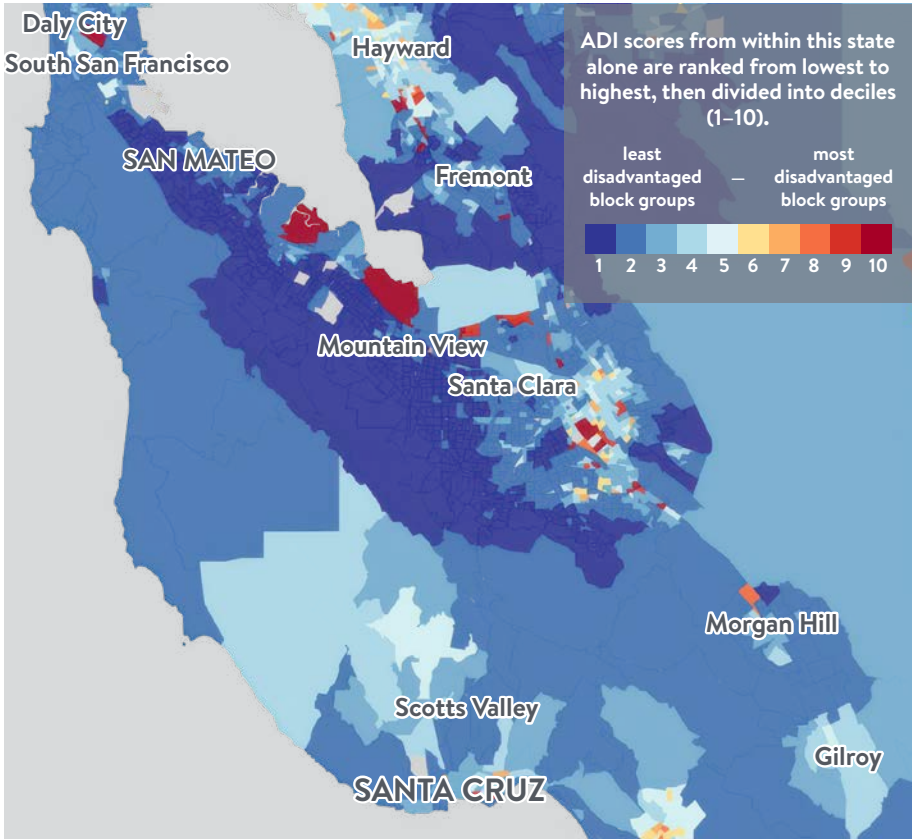


Area Deprivation Index

The Area Deprivation Index (ADI) is a composite of measures by area composed of factors related to social determinants of health, including:<sup>1</sup>

- Housing costs
- Overcrowded housing
- Units without complete plumbing
- Households without a motor vehicle
- Single-parent households
- Educational attainment
- Median family income
- Poverty rate

The counties that make up the Packard Children’s community do much better than California overall. The counties themselves have substantial resources. However, there are real needs, as can be seen by the notable differences in sub-county ADI metrics (see map, right). For example, educational achievement and median income are lower in areas that are colored yellow, orange, and red on the map, including neighborhoods east of Palo Alto and Mountain View, parts of central and east San José, and a portion of Morgan Hill. This is in comparison with swaths of the two counties that are



the least disadvantaged, shown in dark blue on the map. Neighborhoods with higher ADI scores tend to face greater health challenges. To address these disproportionalities, Packard Children’s is committed to supporting community health improvement through upstream (social determinants of health) and downstream (health condition) interventions.

<sup>1</sup> The Area Deprivation Index ranks each Census block group in deciles from 1 to 10, compared with all other California Census block groups; higher deciles are considered worse. For more information, see originators: Kind, AJH, and Buckingham, W. *Making Neighborhood-Disadvantage Metrics Accessible: The Neighborhood Atlas*. *New England Journal of Medicine*, 2018. 378: 2456–2458. DOI: 10.1056/NEJMp1802313. PMID: PMC6051533. Also: University of Wisconsin School of Medicine and Public Health. 2022 Area Deprivation Index v4.

III. Purpose of Implementation Strategy

This Implementation Strategy (IS) Report describes Lucile Packard Children’s Hospital Stanford’s planned response to the needs identified through the 2025 Community Health Needs Assessment (CHNA) process. It fulfills Section 1.501(r)-3 of the IRS regulations governing nonprofit hospitals. Subsection (c) pertains to implementation strategy specifically, and its requirements include a description of the health needs that the hospital will and will not address. Per these requirements, the following descriptions of the actions (strategies) to take

include the anticipated impact of the strategies, the resources the hospital plans to commit to address the health needs, and any planned collaboration between the hospital and other organizations in addressing the health needs.

For information about Packard Children’s Hospital’s 2025 CHNA process and for a copy of the CHNA report, please visit [communitybenefits.stanfordchildrens.org](https://communitybenefits.stanfordchildrens.org).

IV. List of Community Health Needs Identified in the 2025 CHNA

The 2025 CHNA assessed community health needs by gathering input from persons representing the broad interests of the community. The CHNA study team<sup>2</sup> used this primary qualitative input to determine the community’s priorities. In addition, quantitative (statistical) data were analyzed to identify poor health outcomes, differences in health outcomes, and health trends. The study team compiled statistical data and provided comparisons against statewide averages and rates.

To be considered a health need for the 2025 CHNA, an issue had to fit the definition of a health need,<sup>3</sup> affect children and/or youth, and either be prioritized in multiple focus groups and/or interviews or rise to the list based on statistical data, with at least two direct indicators exhibiting documented differences between groups, failing the benchmark by 5% or more, or showing worsening trends and few supporting resources. The 2025 CHNA identified a total of 13 health needs. The health need prioritization and selection process is described in Section VI of this report.

2025 Community Health Needs List

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| 1. Economic Stability           | 8. Education                      |
| 2. Mental and Behavioral Health | 9. Sexual Health                  |
| 3. Access to Care               | 10. Communicable Diseases         |
| 4. Healthy Lifestyles           | 11. Maternal and Infant Health    |
| 5. Oral/Dental Health           | 12. Respiratory Health            |
| 6. Community and Family Safety  | 13. Unintended Injuries/Accidents |
| 7. Cancer                       |                                   |

<sup>2</sup> The study team was composed of Lucile Packard Children’s Hospital Stanford, El Camino Health, Stanford Health Care, Sutter Health (including Mills-Peninsula Medical Center and Palo Alto Medical Foundation), and Actionable Insights, LLC. For more details, see the 2025 CHNA report.

<sup>3</sup> A health need was defined in the CHNA report as a poor health outcome and its associated risk(s), or a risk that may lead to a poor health outcome. For further information, see Section 5 of the CHNA report.

## V. Those Involved in the Implementation Strategy (IS) Development

Packard Children’s selected the health needs to address. The hospital sought input from both internal leaders and its Community Benefit Advisory Council to guide the development of this Implementation Strategy. Stakeholders emphasized the importance of equity, sustainability, and responsiveness to communities most impacted by health disparities.

Actionable Insights, LLC, provided guidance and expertise for this process and conducted research on evidence-based and promising practices for each selected health strategy. Actionable Insights is a consulting firm whose principals have experience conducting CHNAs and providing expertise on implementation strategy development and IRS reporting for hospitals.

## VI. Health Needs That Lucile Packard Children’s Hospital Stanford Plans to Address

### A. Process and Criteria Used to Select Health Needs

Lucile Packard Children’s Hospital Stanford’s Community Benefit team and the hospital’s Community Benefit Advisory Council met with Actionable Insights on Feb. 5, 2025, to discuss the health needs identified through the community assessment and prioritized by the community. Packard Children’s, by consensus, selected the three health needs that had been identified as being of highest priority to the community. The selected needs are listed below in alphabetical order.

- **Mental and Behavioral Health**
- **Economic Stability**
- **Access to Care**

For the purposes of this IS, the Packard Children’s community benefit team renamed the first need “**Mental and Behavioral Health**” and the third need “**Access to Care**” in order to better express the topics on which it will focus in addressing the needs.

### B. Description of Health Needs That Lucile Packard Children’s Hospital Stanford Plans to Address

Based on the 2025 Community Health Needs Assessment (CHNA) findings and extensive stakeholder input, Lucile Packard Children’s Hospital Stanford will focus on three priority community health needs for fiscal years 2026–2028:

#### Mental and Behavioral Health

Youth mental health remains a critical issue across Santa Clara and San Mateo counties. The CHNA identified growing rates of anxiety, depression, and suicidal ideation among young people, alongside persistent provider shortages and limited culturally responsive care. Families emphasized the need for earlier prevention, better coordination between schools and health systems, and stronger support for both youth and parents.

#### Economic Stability

Economic strain deeply affects children and families in Silicon Valley. Nearly one-third of households fall below the regional self-sufficiency threshold due to high housing and childcare costs. The CHNA revealed a direct link between financial stress and negative health outcomes, particularly for immigrant and low-income populations. Priorities include addressing housing insecurity, food access, and opportunities for sustained family stability.

#### Access to Care

Despite world-class medical resources, inequities persist in accessing affordable, linguistically and culturally appropriate care. Stakeholders cited barriers such as cost, wait times, and workforce shortages—especially in pediatric and Mental and Behavioral Health. The CHNA also identified digital and transportation barriers limiting telehealth effectiveness. Expanding access to coordinated, respectful, and community-based care remains essential to improving outcomes.

Together, these three needs reflect the community’s strongest priorities and the hospital’s ability to make a measurable impact through investments, partnerships, and institutional practices.

# Mental and Behavioral Health

### Why This Matters

Youth mental health is a pressing concern in both Santa Clara and San Mateo counties. Key challenges include a shortage of mental health providers, especially in outlying areas like Gilroy and Milpitas, and disproportionately high rates of depressive symptoms and suicidal ideation. These challenges were amplified by the COVID-19 pandemic, which increased economic stressors, isolation, and substance use among young people.

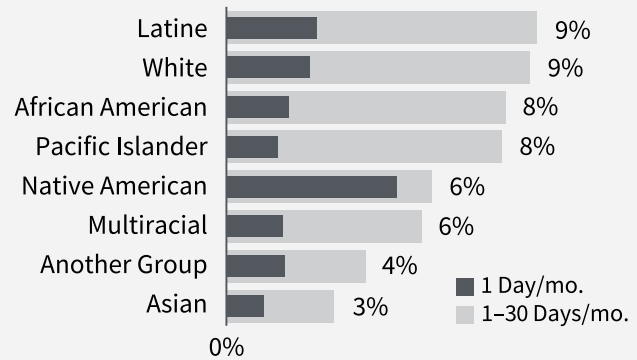
### Community Voice

Community members and stakeholders shared:

- Growing loneliness, stress, and disconnection among youth
- Concerns about increased youth substance use, especially with potent substances like fentanyl and methamphetamines
- The need for more integrated mental health services across systems

### San Mateo County public school students reporting recent marijuana use (days of drug use per month)

In San Mateo County, Latine and white seventh, ninth, and 11th graders were the most likely to have used marijuana in the past month versus their peers of other groups.



“There is this despondency among youth around feeling like they have no control of their futures.”

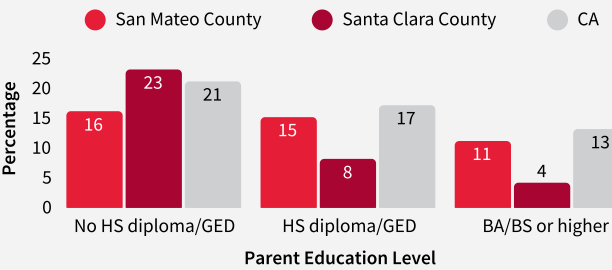
—Community Focus Group Participant

### Key Data Highlights

- Among hospitalized youth, mental health is the main reason for their hospitalization.
- Low supply of qualified mental health providers, especially in Santa Clara County.
- Rising drug use among youth, especially those from low-income families.

### Percentage of public school 7th, 9th, and 11th graders reporting recent drug or alcohol use

Family income (a proxy for parental educational attainment) is inversely proportional to youth self-reported alcohol/drug use. Low-income youth in Santa Clara County do worse than their peers in San Mateo County and statewide.



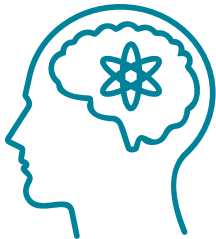
### Students per public school psychiatrist

There are more students for each school psychiatrist to care for at public schools in Santa Clara County compared with the ratio in San Mateo County and at public schools statewide.



40% Higher

Rate of children ages 1–17 who are hospitalized for mental diseases or disorders, out of all child hospitalizations in San Mateo County, compared with the rate for California children.



“We don’t know whether we will see youth recover socially in our generation. The [pandemic] really did a number on stunting their ability to connect with each other.”

—Youth Mental Health Provider



## Economic Stability

### Why This Matters

Economic stability is one of the most widely recognized social determinants of health. In Silicon Valley, nearly one-third of households are not economically self-sufficient. The high cost of housing, food, and childcare—combined with substantial differences in income—places families at risk of homelessness, food insecurity, and poor health outcomes.

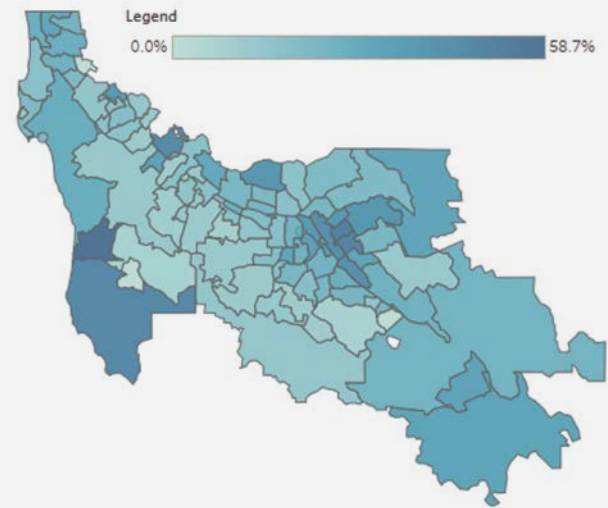
### Community Voice

Community members and stakeholders shared:

- Financial stress is high for many people.
- Food deserts affect community members’ ability to eat healthily.
- Working families find it hard to afford even the basic necessities.
- Overcrowding to reduce housing costs can lead to greater stress.

### Percentage of low-income community members

Within San Mateo and Santa Clara counties, the Coastside area and East San José have the highest proportions of community members earning less than 300% of the Federal Poverty Level.



“People are cutting costs on their medicine, not going to the doctor, then also living in situations where there are three to five families, people are huddled together, couch surfing and sleeping in their cars.”

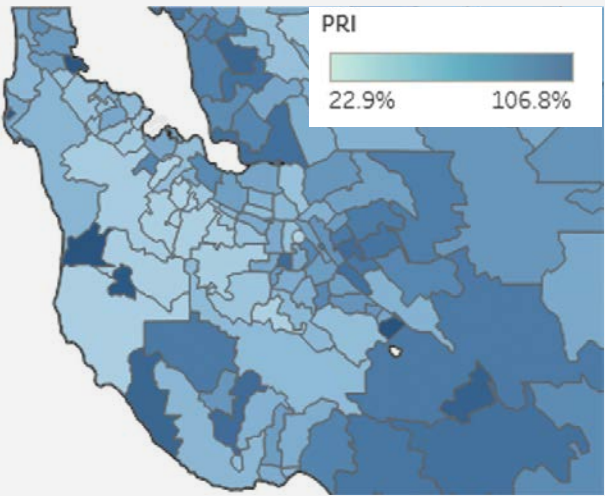
—Community Focus Group Participant

### Key Data Highlights

- High poverty rates in East San José and the Coastside
- Sizeable income differences between groups
- Rising homelessness, especially in San Mateo County
- Underutilization of CalFresh benefits and prevalence of food deserts

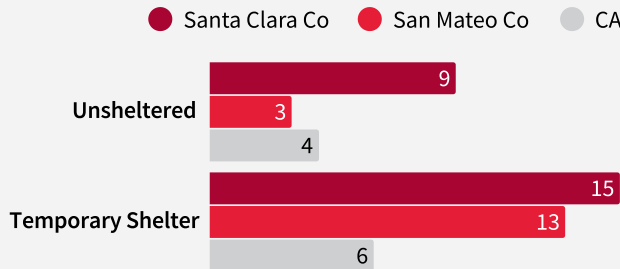
### CalFresh Participation Rates

The CalFresh benefits (supplemental nutrition assistance) percentage is much lower in San Mateo County (52%) and lower in Santa Clara County (71%) than in the state (77%).



### Percentage of unhoused public school students by shelter type

Santa Clara County has over two times the percentage of unsheltered homeless students versus San Mateo County and the state overall.



### 50% Higher

Proportion of overcrowded housing in the Daly City area compared to California overall



“Economic security here is bad. The reason is that the salary is very low. Every time you go to any grocery store, the groceries are through the roof. You have to decide whether you eat or pay the rent.”

—Focus Group Participant,  
Spanish-Speaking Community



## Access to Care

### Why This Matters

Access to health care remains uneven across communities. Health care workforce shortages, high costs, and linguistic and cultural barriers limit care for vulnerable families. Pediatric access to primary and specialty care is particularly strained in certain regions. The digital divide and structural imbalances further complicate access for low-income and transitional-aged youth.

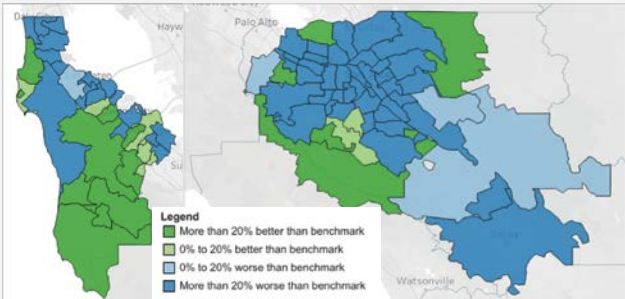
### Community Voice

Community members and stakeholders shared:

- Concerns about affordability, insurance coverage, and long wait times, especially for specialty care like dentistry
- Mixed experiences with telehealth and digital literacy
- Desire for providers trained in social and structural imbalances, all facets of sexual health care, and language access

### Local English proficiency by Census tract

English proficiency is low in some parts of San Mateo County and much of Santa Clara County. Over 9% of children in Santa Clara County live in a limited-English-speaking household, a higher proportion than in neighboring San Mateo County or California overall (both around 7%).



“Most nurses or medical practitioners don’t know American Sign Language. I do not feel good always going with the translator or having to write things down or wait longer periods just to be attended to.”

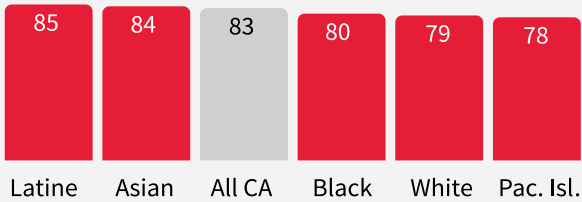
—Community Focus Group Participant

### Key Data Highlights

- Shortages of non-physician providers (e.g., nurse practitioners, physician assistants)
- Poor school nurse ratios and gaps in rural and low-income urban areas
- Limited cultural and language concordance
- Digital barriers to effective telehealth

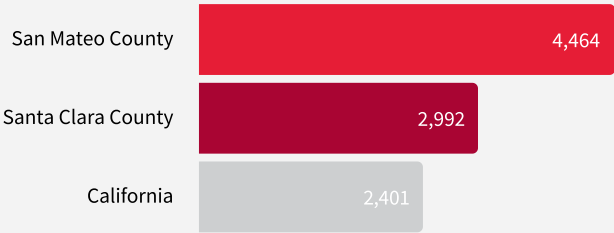
### Percentage of San Mateo County youth with a recent dental check-up

San Mateo County youth (ages 1–17) from Pacific Islander, white, and Black communities are the least likely to have had a routine dental check-up in the prior year.



### Ratio of students to each public school nurse

There are far more students for each school nurse to care for at public schools in both counties compared with the ratio at public schools statewide.



### 40% Worse

Ratio of San Mateo County residents to nurses and physician assistants, compared with the ratio for all California residents



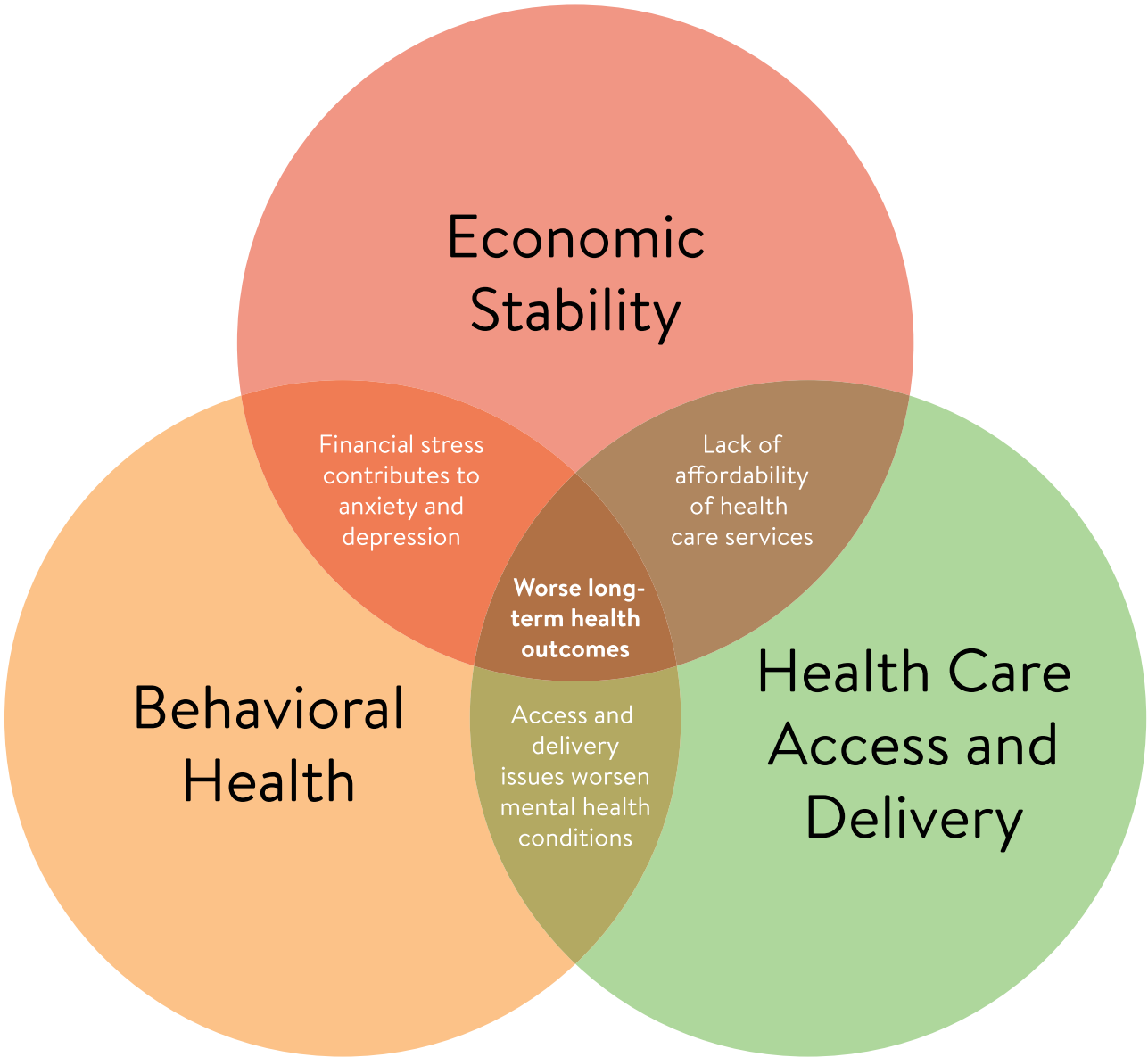
Dental care “is very expensive. Not all people have access. Especially children. I see children without teeth, and they are still small.”

—Focus Group Participant,  
Spanish-Speaking Community

## VII. The Packard Children’s Implementation Strategy

The federal government requires nonprofit hospitals to complete an Implementation Strategy (IS) report. The IS report is a companion to the CHNA, in that it describes how hospitals will use community benefit and other resources to address priority health needs in their service areas. Furthermore, California Senate Bill 697 (1994) mandates that nonprofit hospitals report annually on their strategies to improve community health. This IS report informs Lucile Packard Children’s Hospital Stanford’s annual Community Benefit Implementation Strategy, as well as fulfills federal requirements. Specifically, the IS report must detail:

- Which of the priority health needs will be directly addressed by the hospital as part of its implementation strategy, and which top health needs will not be addressed (and justification)
- The actions, programs, and resources the hospital intends to commit to address the selected health needs
- The anticipated impact of these actions
- Any planned collaboration between the hospital and other hospitals or organizations



### Our Strategic Approach

Lucile Packard Children’s Hospital Stanford is committed to improving the health and well-being of children, youth, and families across our region. In response to the 2025 Community Health Needs Assessment, we developed this Implementation Strategy to guide our investments, institutional practices, and community engagement over the next three years (FY26–FY28).

The selected health needs contain overlapping concerns. The lack of affordability of health care services implicates economic stability when community members must choose between health care and basic needs such as food and shelter. Community members have said that financial stress contributes to mental health conditions such as anxiety and depression. Poor access to care can worsen Mental and Behavioral Health issues, as can experiences of less than respectful treatment. All of these elements contribute to worse long-term health outcomes for community members.

In addition to identifying priority health needs through the CHNA and selecting the community’s top-priority needs to address, Stanford Medicine Children’s Health sought input from both internal leaders and the Community Benefit Advisory Council to guide the development of this Implementation Strategy. Stakeholders emphasized the importance of equity, sustainability, and responsiveness to communities most impacted by health disparities.

Based on this input, while the hospital is not pursuing a fully place-based approach, we intentionally prioritized strategies that address needs in communities with lower socioeconomic status, particularly in East San José and the East Palo Alto/Belle Haven area. These communities face disproportionate barriers to accessing care and related supports, and ensuring their inclusion in the Implementation Strategy reflects the hospital’s commitment to advancing health equity.

Further, our Implementation Strategy takes an anchor-inspired approach to addressing the selected health needs.

### What Is an Anchor-Inspired Approach?

The anchor approach is centered on leveraging the economic, social, and human capital of “anchors”—large, place-based institutions such as universities, hospitals, and government agencies—to create lasting, positive outcomes in their local communities.

In practice, anchor-inspired strategies align institutional resources—such as hiring, purchasing, investing, and engaging in community partnerships—to support local needs.

Guided by anchor principles and frameworks, our strategies were selected based on a combination of community input, data from the CHNA, existing hospital capabilities, research on evidence-based and promising practices,<sup>4</sup> and opportunities to make a meaningful and lasting impact. Across all priority areas—Mental and Behavioral Health, Economic Stability, and Access to Care—we focus on:

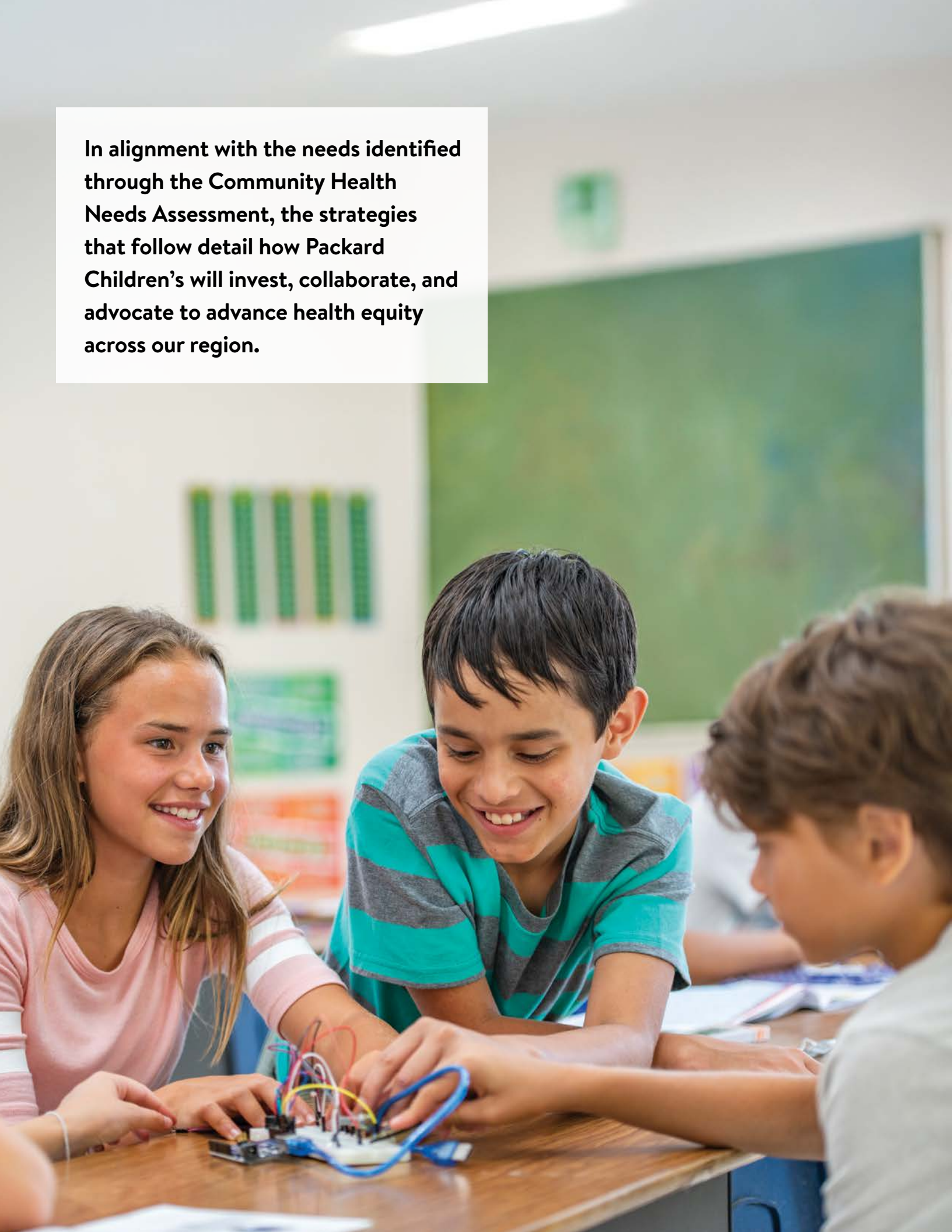
- Investing in upstream solutions that address the conditions influencing child and family health
- Listening to community voice and building collaborative relationships
- Enhancing the quality and reach of programs and services for children and families
- Leveraging hospital resources and partnerships to strengthen systems of care

We recognize that health is shaped by a broad range of social and environmental factors. Our approach blends direct service, internal system improvements, and community partnerships. Through this strategy, we aim to strengthen positive outcomes across our service area and support a healthier future for the children and families we serve.

<sup>4</sup> See Appendix B for research references.



**In alignment with the needs identified through the Community Health Needs Assessment, the strategies that follow detail how Packard Children's will invest, collaborate, and advocate to advance health equity across our region.**



## Mental and Behavioral Health

### Long-Term Goals

- Expand access to culturally humble, developmentally appropriate mental health services
- Support early identification and prevention of mental health challenges
- Strengthen community and school-based systems that promote youth resilience

### Our Strategic Approach

#### A. Investments and Grants

- Fund programs that provide school-based counseling, youth mental wellness, and early intervention supports
- Support screening and treatment access for depression, stress, and suicide risk
- Invest in programs that address family violence prevention and promote healthy youth relationships

#### B. Institutional Systems and Practices

- Strengthen coordination between schools, primary care providers, social workers, and behavioral health specialists
- Support co-location of behavioral and physical health services
- Expand workforce development initiatives to increase the pool of culturally and linguistically aligned providers

#### C. Advocacy and Community Engagement

- Participate in collaboratives focused on youth mental health
- Advocate for parity in mental health coverage and local/state policy solutions that expand access

### Examples of Current Investments

- **Ravenswood Wellness Partnership:** Trauma-informed, community-based mental health care for youth and families in East Palo Alto and Belle Haven
- **Allcove:** Integrated mental health services and peer support for LGBTQ+, Latine, and Spanish-speaking youth ages 12–25 on the San Mateo County Coastsides
- **Alum Rock Counseling Center:** Culturally responsive services for at-risk predominantly Latine middle and high school students in East San José

### What We Aspire to Achieve

- Improved access to mental and behavioral health care
- Increased youth coping skills, emotional resilience, and school connectedness
- Reduced disciplinary actions, bullying, and self-harm behaviors
- Better coordination across systems serving children and families



Economic Stability

Long-Term Goals

- Reduce food insecurity and housing instability among children and families
- Strengthen financial stability and access to resources for low-income households
- Improve economic conditions that underpin child and family health

Our Strategic Approach

A. Investments and Grants

- Support programs that provide food access, nutrition incentives, and community food systems
- Fund homelessness prevention, legal aid, and rental assistance programs
- Invest in family economic mobility, benefits enrollment, and workforce development initiatives

B. Institutional Systems and Practices

- Strengthen screening and referrals for social needs within hospital and clinic settings
- Partner with community organizations to increase CalFresh and WIC enrollment
- Expand case management models that connect families to housing, nutrition, and financial supports

C. Advocacy and Community Engagement

- Engage in local initiatives related to housing, income supports, and food access
- Participate in countywide collaboratives focused on economic mobility

Examples of Current Investments

- **Fresh Approach:** Nutrition incentives at farmers’ markets, culturally relevant classes, and the East Palo Alto Community Garden
- **Samaritan House (LIFT Program):** Supplemental income pilot supporting single mothers in San Mateo County
- **Sacred Heart Community Service:** Gardening, cooking, and sustainability workshops led by and for East San José residents
- **WeHOPE:** Rental assistance, shelter, transitional housing, case management, and support services for vulnerable families

What We Aspire to Achieve

- Increased participation in essential benefits and support programs
- More stable housing and food access for families
- Greater financial resilience for vulnerable households
- Reduced economic disparities across the region



Access to Care

Long-Term Goals

- Improve access to high-quality, culturally appropriate care for children and families
- Strengthen provider capacity in underserved areas
- Reduce logistical, linguistic, and financial barriers to receiving timely care

Our Strategic Approach

A. Investments and Grants

- Support community clinics and mobile services located in or near vulnerable neighborhoods
- Expand partnerships that strengthen access to dental, behavioral, prenatal, and primary care

B. Institutional Systems and Practices

- Increase access through telehealth expansion, extended hours, and efficient referral pathways
- Train and retain a diverse, equity-informed health workforce
- Strengthen language access and reduce provider burnout through improved support systems

C. Advocacy and Community Engagement

- Advocate for policies that expand affordable pediatric and family health care
- Engage with regional coalitions focused on workforce shortages and access gaps

Examples of Current Investments

- **Bay Area Community Health:** Addresses barriers to prenatal care access in East San José and Gilroy
- **Sonrisas Dental Health:** Clinical dental care, school-based screenings, comprehensive care coordination, and oral health education for low-income children in San Mateo County
- **Ravenswood Family Health:** Expanding oral health capacity in Redwood City and providing a pediatric health coach and social worker to support resource navigation and ongoing care

What We Aspire to Achieve

- Greater access to preventive and specialty care
- Reduced emergency department use for preventable conditions
- Higher vaccination and screening rates
- Improved outcomes for children living in underserved communities







## Cross-Cutting Strategies

The following strategies support all three identified health needs and enhance the impact of this Implementation Strategy plan:

- Expand the health and social service workforce pipeline, especially in Mental and Behavioral Health and primary care, to remove barriers to care, improve health outcomes, and promote economic security
- Improve hospital and clinic-based screening for social needs, including strong referral systems
- Address digital equity through device access, telehealth literacy, and connectivity improvements
- Ensure that all strategies integrate an equity lens

## VIII. Evaluation Plans

Packard Children's will monitor and evaluate the strategies described above for the purpose of tracking the implementation of those strategies as well as to document the anticipated impact. The hospital will use anchor-inspired principles and the anchor framework to guide how it measures and ensures impact. Plans to monitor activities will be tailored to each strategy and will include the collection and documentation of tracking measures, such as the number of grants made, number of dollars spent, and number of people reached/served. In addition, Packard Children's will require grantees to track and report outcomes/impact, including behavioral and physical health outcomes as appropriate. Grantees will report mid-year and year-end performance on annual outcomes metrics, which will be shared broadly with the public as well as state and federal regulatory bodies.

## IX. Health Needs That Lucile Packard Children's Hospital Stanford Does Not Plan to Address

As described in Section VI(A) of this report, Packard Children's will address the three health needs that met all of the prioritization/selection criteria. Packard Children's will not address the following identified health needs:

**Not chosen because the need was not strongly prioritized by the community:**

- Cancer
- Communicable Diseases
- Community and Family Safety
- Education
- Healthy Lifestyles
- Maternal/Infant Health
- Oral/Dental Health
- Respiratory Health
- Sexual Health
- Unintended Injuries/Accidents

Despite the fact that Packard Children's will not address these needs through its IS efforts, the hospital does address some (e.g., maternal/infant health, unintended injuries/accidents, sexual health) through its standard work and dedicated programs/services.



# Appendix A: Implementation Strategy Report IRS Checklist

Section §1.501(r)(3)(c) of the Internal Revenue Service code describes the requirements of the Implementation Strategy Report.

Federal Requirements Checklist	Regulation Subsection Number	Report Section
The Implementation Strategy is a written plan that includes:		
(1) Description of <b>how the hospital facility plans to address</b> the health needs selected, including:	(c)(2)	VII
Actions the hospital facility intends to take and the anticipated impact of these actions	(c)(2)(i)	VII
Resources the hospital facility plans to commit	(c)(2)(ii)	VII
Any planned collaboration between the hospital facility and other facilities or organizations in addressing the health need	(c)(2)(iii)	VII
(2) Description of why a hospital facility is <b>not addressing</b> a significant health need identified in the CHNA. Note: A “brief explanation” is sufficient. Such reasons may include resource constraints, other organizations are addressing the need, or a relative lack of expertise to effectively address the need.	(c)(3)	IX
(3) For those hospital facilities that adopted a joint CHNA report, a <b>joint implementation strategy</b> may be adopted that meets the requirements above. In addition, the joint implementation strategy must:	(c)(4)	N/A
Be clearly identified as applying to the hospital facility;	(c)(4)(i)	N/A
Clearly identify the hospital facility’s particular role and responsibilities in taking the actions described in the implementation strategy and the resources the hospital facility plans to commit to such actions; and	(c)(4)(ii)	N/A
Include a summary or other tool that helps the reader easily locate those portions of the strategy that relate to the hospital facility.	(c)(4)(iii)	N/A
(4) An authorized body <b>adopts the implementation</b> strategy on or before January 15, 2026, which is the 15th day of the fifth month after the end of the taxable year in which the CHNA was conducted and completed, regardless of whether the hospital facility began working on the CHNA in a prior taxable year.	(c)(5)	General Information
<b>Exceptions:</b> Our hospital does not qualify for any exception described in Section (D) for acquired, new, transferred, and terminated facilities.	(d)	N/A

# Appendix B: Research About Strategies

The following research supports the strategies Packard Children’s plans to implement to address the selected community health needs in fiscal years 2026–2028.

## Mental and Behavioral Health

### Prevention/Early Intervention

**1** Cuijpers, P., Van Straten, A., Smits, N., & Smit, F. (2006). Screening and early psychological intervention for depression in schools. *European Child & Adolescent Psychiatry*, 15(5), 300–307. Retrieved from [https://research.vu.nl/ws/portalfiles/portal/2154785/Cuijpers%20European%20Child%20and%20Adolescent%20Psychiatry%2015\(5\)%202006%20u.pdf](https://research.vu.nl/ws/portalfiles/portal/2154785/Cuijpers%20European%20Child%20and%20Adolescent%20Psychiatry%2015(5)%202006%20u.pdf)

**2** Hadlaczky, G., Hökby, S., Mkrtchian, A., Carli, V., & Wasserman, D. (2014). Mental Health First Aid is an effective public health intervention for improving knowledge, attitudes, and behaviour: A meta-analysis. *International Review of Psychiatry*, 26(4), 467–475. Retrieved from [https://www.researchgate.net/profile/Gergoe-Hadlaczky/publication/264867737\\_Mental\\_Health\\_First\\_Aid\\_is\\_an\\_effective\\_public\\_health\\_intervention\\_for\\_improving\\_knowledge\\_attitudes\\_and\\_behavior\\_A\\_meta-analysis/links/55e99d7308ae21d099c2fcc8/Mental-Health-First-Aid-is-an-effective-public-health-intervention-for-improving-knowledge-attitudes-and-behavior-A-meta-analysis.pdf](https://www.researchgate.net/profile/Gergoe-Hadlaczky/publication/264867737_Mental_Health_First_Aid_is_an_effective_public_health_intervention_for_improving_knowledge_attitudes_and_behavior_A_meta-analysis/links/55e99d7308ae21d099c2fcc8/Mental-Health-First-Aid-is-an-effective-public-health-intervention-for-improving-knowledge-attitudes-and-behavior-A-meta-analysis.pdf)

**3** Matjasko, J. L., Herbst, J. H., & Estefan, L. F. (2022). Preventing adverse childhood experiences: The role of etiological, evaluation, and implementation research. *American Journal of Preventive Medicine*, 62(6), S6–S15. Retrieved from <https://www.sciencedirect.com/science/article/pii/S0749379722000149#bib0001>

**4** McGorry, P. D., Mei, C., Chanen, A., Hodges, C., Alvarez-Jimenez, M., & Killackey, E. (2022). Designing and scaling up integrated youth mental health care. *World Psychiatry*, 21(1), 61–76. Retrieved from <https://onlinelibrary.wiley.com/doi/full/10.1002/wps.20938>

**5** Chibanda, D. (2017). Reducing the treatment gap for mental, neurological and substance use disorders in Africa: Lessons from the Friendship Bench in Zimbabwe. *Epidemiology and Psychiatric Sciences*, 26(4), 342–347. Retrieved from <https://pmc.ncbi.nlm.nih.gov/articles/PMC6998766/pdf/S2045796016001128a.pdf>

**6** Zulu, J. M., & Perry, H. B. (2021). Community health workers at the dawn of a new era. *Health Research Policy and Systems*, 19(Supp 3), 1–5. Retrieved from <https://link.springer.com/content/pdf/10.1186/s12961-021-00761-7.pdf> And see: Chapters 1–11 of Community health workers at the dawn of a new era, also in *Health Research Policy and Systems*, 19(Supp 3).

**7** Murphy, R., Huggard, L., Fitzgerald, A., Hennessy, E., & Booth, A. (2024). A systematic scoping review of peer support interventions in integrated primary youth mental health care. *Journal of Community Psychology*, 52(1), 154–180. Retrieved from <https://onlinelibrary.wiley.com/doi/pdfdirect/10.1002/jcop.23090>

**8** Weaver, A., & Lapidos, A. (2018). Mental health interventions with community health workers in the United States: A systematic review. *Journal of Health Care for the Poor and Underserved*, 29(1), 159–180. Retrieved from [https://web.archive.org/web/20190429000716id\\_/https://muse.jhu.edu/article/686958/pdf](https://web.archive.org/web/20190429000716id_/https://muse.jhu.edu/article/686958/pdf)



**9** Barnett, M. L., Gonzalez, A., Miranda, J., Chavira, D. A., & Lau, A. S. (2018). Mobilizing community health workers to address mental health disparities for underserved populations: A systematic review. *Administration and Policy in Mental Health and Mental Health Services Research*, 45(2), 195–211. Retrieved from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5803443/>

**10** Chiesa, A., & Serretti, A. (2011). Mindfulness based cognitive therapy for psychiatric disorders: A systematic review and meta-analysis. *Psychiatry Research*, 187(3), 441–453. Retrieved from <https://pubmed.ncbi.nlm.nih.gov/20846726/>. See also: Marchand, W. R. (2012). Mindfulness-based stress reduction, mindfulness-based cognitive therapy, and Zen meditation for depression, anxiety, pain, and psychological distress. *Journal of Psychiatric Practice*, 18(4), 233–252. Retrieved from <https://pubmed.ncbi.nlm.nih.gov/22805898/>

**11** Zenner, C., Herrnleben-Kurz, S., & Walach, H. (2014). Mindfulness-based interventions in schools—a systematic review and meta-analysis. *Frontiers in Psychology*, 5, 603. Retrieved from <https://pmc.ncbi.nlm.nih.gov/articles/PMC4075476/>

**12** Nicholas, J., Bell, I. H., Thompson, A., Valentine, L., Simsir, P., Sheppard, H., & Adams, S. (2021). Implementation lessons from the transition to telehealth during COVID-19: A survey of clinicians and young people from youth mental health services. *Psychiatry Research*, 299, 113848. Retrieved from <https://pmc.ncbi.nlm.nih.gov/articles/PMC9754759/pdf/main.pdf>

**13** McLean, S. A., Wertheim, E. H., Marques, M. D., & Paxton, S. J. (2019). Dismantling prevention: Comparison of outcomes following media literacy and appearance comparison modules in a randomised controlled trial. *Journal of Health Psychology*, 24(6), 761–776. Retrieved from [https://vuir.vu.edu.au/33437/1/Manuscript%20-%20Dismantling%20Prevention\\_R2\\_Final.pdf](https://vuir.vu.edu.au/33437/1/Manuscript%20-%20Dismantling%20Prevention_R2_Final.pdf)

**Screening and Therapy Access for Stress, Depression, Suicidal Ideation**

**14** *Guide to Community Preventive Services*. Violence Prevention: Group Cognitive-Behavioral Therapy to Reduce Psychological Harm for Traumatic Events Among Children and Adolescents. <https://www.thecommunityguide.org/findings/violence-psychological-harm-traumatic-events-among-children-and-adolescents-cognitive-group.html> Page last updated: May 13, 2025.

**15** Warshaw, C., Sullivan, C. M., & Rivera, E. A. (2013). *A systematic review of trauma-focused interventions for domestic violence survivors*. Chicago, IL: National Center on Domestic Violence, Trauma & Mental Health. Retrieved from [https://ncdvtmh.org/wp-content/uploads/2022/10/NCDVTMH\\_EBPLitReview2013.pdf](https://ncdvtmh.org/wp-content/uploads/2022/10/NCDVTMH_EBPLitReview2013.pdf)

**16** Center on the Developing Child, Harvard University. (2025). *A guide to lifelong health and well-being*. Retrieved from <https://developingchild.harvard.edu/resource-guides/guide-lifelong-health-well-being/>

**17** Suicide Prevention Resource Center. (2016). *Best practices registry: SOS signs of suicide*. Retrieved from <https://www.sprc.org/resources-programs/sos-signs-suicide>

**18** Mann, J. J., Michel, C. A., & Auerbach, R. P. (2021). Improving suicide prevention through evidence-based strategies: A systematic review. *American Journal of Psychiatry*, 178(7), 611–624. Retrieved from <https://psychiatryonline.org/doi/pdf/10.1176/appi.ajp.2020.20060864>

**19** U.S. Department of Transportation, Volpe Center. (2023). *Railroad trespassing and suicide prevention program*. Retrieved from <https://www.volpe.dot.gov/rail-suicide-prevention>

**20** The California Evidence-Based Clearinghouse for Child Welfare. (2018). *Program registry: Adolescent community reinforcement approach (A-CRA)*. Retrieved from <https://www.cebc4cw.org/program/adolescent-community-reinforcement-approach/>

**21** The California Evidence-Based Clearinghouse for Child Welfare. (2019). *Program registry: The seven challenges*. Retrieved from <https://www.cebc4cw.org/program/the-seven-challenges/>

**22** The California Evidence-Based Clearinghouse for Child Welfare. (2019). *Program registry: substance abuse treatment (adolescent)*. Retrieved from <https://www.cebc4cw.org/topic/substance-abuse-treatment-adolescent/>

**Youth Well-Being in School Settings**

**23** Klevan, S., & Villavicencio, A. (2016). *Strategies for improving school culture: Educator reflections on transforming the high school experience for Black and Latino young men*. New York, NY: The Research Alliance for New York City Schools, Steinhardt School of Culture, Education, and Human Development. Retrieved from <https://steinhardt.nyu.edu/research-alliance/research/publications/strategies-improving-school-culture>

**24** Project ACHIEVE. (Undated). *Innovative school improvement & success*. Retrieved from <https://www.projectachieve.info/about/project-achieve>

**25** Substance Abuse and Mental Health Administration. (2011). *Interventions for disruptive behavior disorders: Evidence-based and promising practices*. HHS Pub. No. SMA-11-4634. Rockville, MD: Center for Mental Health Services, Substance Abuse and Mental Health Administration, U.S. Department of Health and Human Services. Retrieved from <https://archive.org/details/ebp-kit-prom>

**26** Hamedani, M. G., Zheng, X., Darling-Hammond, L., Andree, A., & Quinn, B. (2015). *Social emotional learning in high school: How three urban high schools engage, educate, and empower youth*. Stanford, CA: Stanford Center for Opportunity Policy in Education, Graduate School of Education, Stanford University. Retrieved from <https://learningpolicyinstitute.org/product/scope-social-emotional-learning-high-school-how-three-urban-high-schools>

**27** Crean, H. F., & Johnson, D. B. (2013). Promoting Alternative THinking Strategies (PATHS®) and elementary school aged children’s aggression: Results from a cluster randomized trial. *American Journal of Community Psychology*, 52(1), 56–72.

**28** Wenz-Gross, M., Yoo, Y., Upshur, C. C., & Gambino, A. J. (2018). Pathways to kindergarten readiness: The roles of Second Step Early Learning curriculum and social emotional, executive functioning, preschool academic and task behavior skills. *Frontiers in Psychology*, 9, 1886. Retrieved from <https://www.frontiersin.org/articles/10.3389/fpsyg.2018.01886/full>

**29** Okonofua, J. A., Paunesku, D., & Walton, G. M. (2016). Brief intervention to encourage empathic discipline cuts suspension rates in half among adolescents. *Proceedings of the National Academy of Sciences (PNAS) of the United States of America*, 113, 5221–5226. Retrieved from <https://www.pnas.org/doi/pdf/10.1073/pnas.1523698113>

**30** The National Child Traumatic Stress Network. (2017). *Creating, supporting, and sustaining trauma-informed schools: A system framework*. Los Angeles, CA: National Center for Child Traumatic Stress, University of California, Los Angeles. Retrieved from <https://www.nctsn.org/resources/creating-supporting-and-sustaining-trauma-informed-schools-system-framework> See related resource guides for health care providers, policy makers, and others.

**31** National Center on Safe Supportive Learning Environments. (2019). *Trauma-sensitive schools training package*. Arlington, VA: American Institutes for Research. Retrieved from <https://safesupportivelearning.ed.gov/leading-trauma-sensitive-schools>

**32** Olweus, D., Limber, S. P., & Breivik, K. (2019). Addressing specific forms of bullying: A large-scale evaluation of the Olweus Bullying Prevention Program. *International Journal of Bullying Prevention*, 1(1): 70–84. Retrieved from [https://www.stoppestennu.nl/sites/default/files/uploads/addressing\\_specific\\_forms\\_of\\_bullying\\_a\\_large-scale\\_evaluation\\_of\\_the\\_olweus\\_bullying\\_prevention\\_program.pdf](https://www.stoppestennu.nl/sites/default/files/uploads/addressing_specific_forms_of_bullying_a_large-scale_evaluation_of_the_olweus_bullying_prevention_program.pdf)

**33** Hall, W. (2016). The effectiveness of policy interventions for school bullying: A systematic review. *Journal of the Society for Social Work and Research*, 8(1), 45–69. Retrieved from <https://www.journals.uchicago.edu/doi/full/10.1086/690565> The author notes that the evidence base for more general anti-bullying policies is weak, but the evidence for policies that enumerate protections as described are shown to be effective. The author indicates that more general anti-bullying policies may be effective when evidence-based and implemented with fidelity, but more research is needed.

**34** *Guide to Community Preventive Services*. Violence Prevention: School-Based Programs. <https://www.thecommunityguide.org/findings/violence-school-based-programs.html> Page last updated: May 13, 2025. The review notes that effective middle school and high school programs were more likely to use approaches that emphasize the development of social and behavioral skills rather than approaches that employ “changes in cognition, consequential thinking, or affective processes.”

**35** Gaffney, H., Ttofi, M. M., & Farrington, D. P. (2021). What works in anti-bullying programs? Analysis of effective intervention components. *Journal of School Psychology*, 85, 37–56.

**36** Community Matters. (2019). *Safe school ambassadors*. Retrieved from <https://community-matters.org/programs-services/safe-school-ambassadors/>

**37** Yager, Z., Diedrichs, P. C., Ricciardelli, L. A., & Halliwell, E. (2013). What works in secondary schools? A systematic review of classroom-based body image programs. *Body Image*, 10(3), 271–281. Retrieved from <https://vuir.vu.edu.au/22398/1/FINAL%20Pre-Print%20Manuscript.pdf>

**Family and Peer Violence, Healthy Relationships**

**38** *Guide to Community Preventive Services*. Violence Prevention: Primary Prevention Interventions to Reduce Perpetration of Intimate Partner Violence and Sexual Violence Among Youth. <https://www.thecommunityguide.org/findings/violence-prevention-primary-prevention-interventions-reduce-perpetration-intimate-partner-violence-sexual-violence-among-youth.html> Page last updated: May 13, 2025. See also: Niolon, P. H., & Centers for Disease Control and Prevention. (2017). *Preventing intimate partner violence across the lifespan: A technical package of programs, policies, and practices*. Atlanta, GA: Division of Violence Prevention, National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. And see Basile, K. C., DeGue, S., Jones, K., Freire, K., Dills, J., Smith, S. G., & Raiford, J. L. (2016). *STOP SV: A technical package to prevent sexual violence*. Atlanta, GA: Division of Violence Prevention, National Center for Injury Prevention and Control, Centers for Disease Control and Prevention.

**39** Suicide Prevention Resource Center. (2020). *Best practices registry: GenerationPMTO*. Retrieved from <https://bpr.sprc.org/program/generationpmto/>

**40** Garcia, D., Blizzard, A. M., Peskin, A., Rothenberg, W. A., Schmidt, E., Piscitello, J., Espinosa, N., Salem, H., Rodriguez, G. M., Sherman, J. A., Parlade, M. V., Landa, A. L., Davis, E. M., Weinstein, A., Garcia, A., Perez, C., Rivera, J. M., Martinez, C., Jent, J. F. (2021). Rapid, full-scale change to virtual PCIT during the COVID-19 pandemic: Implementation and clinical implications. *Prevention Science*, 22(3), 269–283.

**41** Center on the Developing Child, Harvard University. (2025). *A guide to lifelong health and well-being*. Retrieved from <https://developingchild.harvard.edu/resource-guides/guide-lifelong-health-well-being/>

**42** Adamek, K., Lindquist-Grantz, R., Hunter, K., & Knab, J. (2023). Promoting internet safety and healthy online relationships: Adapting digital citizenship lessons for youth with intellectual and developmental disabilities. *OPRE Report Number 2023-014*. Washington, DC: Office of Planning, Research and Evaluation, Administration for Children and Families, U.S. Department of Health and Human Services. Retrieved from <https://acf.gov/sites/default/files/documents/opre/Internet%20Safety%20for%20Youth%20with%20IDD%20Report%20.pdf>

**43** Child Exploitation and Online Protection (CEOP) Education. (2025). *Education from the [United Kingdom] National Crime Agency: Resource library [to prevent online child sexual abuse]*. Retrieved from <https://www.ceopeducation.co.uk/professionals/resources/>

**44** Finkelhor, D., Walsh, K., Jones, L., Mitchell, K., & Collier, A. (2021). Youth internet safety education: Aligning programs with the evidence base. *Trauma, Violence, and Abuse*, 22(5), 1233–1247. Retrieved from <https://eprints.qut.edu.au/203005/1/63007351.pdf>

**45** Walsh, K., Pink, E., Ayling, N., Sondergeld, A., Dallaston, E., Tournas, P., Serry, E., Trotter, S., Spanos, T., & Rogic, N. (2022). Best practice framework for online safety education: Results from a rapid review of the international literature, expert review, and stakeholder consultation. *International Journal of Child-Computer Interaction*, 33, 100474. Retrieved from <https://www.sciencedirect.com/science/article/pii/S2212868922000150>

**46** Chen, L., & Shi, J. (2019). Reducing harm from media: A meta-analysis of parental mediation. *Journalism & Mass Communication Quarterly*, 96(1), 173–193. See also: Darvishzadeh, G., Latifi, Z., & Soltanizadeh, M. (2021). The effect of time management training and proper use of mobile phones, social media and cyberspace on attachment pattern, children’s behavioral problems and the rate of internet addiction in parents. *Thinking and Children*, 11(2).

**Institutional: Care Coordination, Colocation**

**47** Center on the Developing Child, Harvard University. (2025). *A guide to lifelong health and well-being*. Retrieved from <https://developingchild.harvard.edu/resource-guides/guide-lifelong-health-well-being/>

**48** Community Preventive Services Task Force (CPSTF). (2010). Improving Mental Health and Addressing Mental Illness: Collaborative Care for the Management of Depressive Disorders. *CPSTF Finding and Rationale Statement*. Retrieved from <https://doi.org/10.15620/cdc/164221>



**49** Sterling, S., Kline-Simon, A. H., Satre, D. D., Jones, A., Mertens, J., Wong, A., & Weisner, C. (2015). Implementation of screening, brief intervention, and referral to treatment for adolescents in pediatric primary care: A cluster randomized trial. *JAMA Pediatrics*, 169(11), e153145–e153145. Retrieved from <https://jamanetwork.com/journals/jamapediatrics/fullarticle/2467333>. Also, Emergency Nurses Association. (2008). *Reducing patient at-risk drinking: A SBIRT implementation toolkit for the emergency department setting*. Schaumburg, IL: Emergency Nurses Association.

**50** Unützer, J., Harbin, H., Schoenbaum, M., & Druss, B. (2013). The Collaborative Care Model: An Approach for Integrating Physical and Mental Health Care in Medicaid Health Homes. *Health Home Information Resource Center*, Center for Health Care Strategies. Retrieved from [https://www.chcs.org/media/HH\\_IRC\\_Collaborative\\_Care\\_Model\\_\\_052113\\_2.pdf](https://www.chcs.org/media/HH_IRC_Collaborative_Care_Model__052113_2.pdf)

**51** Ginsburg, S. (2008). Colocating health services: A way to improve coordination of children’s health care? *Commonwealth Fund Issue Brief*, 1153(41). Retrieved from <https://www.issuelab.org/resources/8730/8730.pdf>

**52** Torous, J., Wisniewski, H., Bird, B., Carpenter, E., David, G., Elejalde, E., Fulford, D., Guimond, S., Hays, R., Henson, P., & Hoffman, L. (2019). Creating a digital health smartphone app and digital phenotyping platform for mental health and diverse healthcare needs: An interdisciplinary and collaborative approach. *Journal of Technology in Behavioral Science*, 4, 73–85. Retrieved from <https://link.springer.com/content/pdf/10.1007/s41347-019-00095-w.pdf>

**53** Newton, A. S., Soleimani, A., Kirkland, S. W., & Gokiert, R. J. (2017). A systematic review of instruments to identify mental health and substance use problems among children in the emergency department. *Academic Emergency Medicine*, 24(5), 552–568. Retrieved from <https://onlinelibrary.wiley.com/doi/full/10.1111/acem.13162> For pediatric patients, the authors recommend that EDs use (1) the HEADS-ED for mental health screening, (2) the ASQ for suicide risk screening, and (3) the DSM-IV two-item instrument for alcohol use disorders screening.

**Institutional: Workforce Development**

**54** Covino, N. A. (2019). Developing the behavioral health workforce: Lessons from the states. *Administration and Policy in Mental Health and Mental Health Services Research*, 46(6), 689–695.

**55** Smith, S. G., Nsiah-Kumi, P. A., Jones, P. R., & Pamies, R. J. (2009). Pipeline programs in the health professions, part 1: Preserving diversity and reducing health disparities. *Journal of the National Medical Association*, 101(9), 836–851.

**56** See, for example, Sieck, L., Chatterjee, T., & Birch, A. (2022). Priming the pipeline: Inspiring diverse young scholars in the radiologic sciences begins during early childhood education. *Journal of the American College of Radiology*, 19(2), 384–388. Retrieved from [https://www.jacr.org/article/S1546-1440\(21\)00852-8/fulltext](https://www.jacr.org/article/S1546-1440(21)00852-8/fulltext)

**Advocacy and Community Engagement**

**57** *Guide to Community Preventive Services*. Mental Health and Mental Illness: Mental Health Benefits Legislation. <https://www.thecommunityguide.org/findings/mental-health-and-mental-illness-mental-health-benefits-legislation.html> Page last updated: November 3, 2018.

**58** Earnshaw, V. A. (2020). Stigma and substance use disorders: A clinical, research, and advocacy agenda. *American Psychologist*, 75(9), 1300. Retrieved from <https://psycnet.apa.org/manuscript/2020-99903-024.pdf>

**Economic Stability**

**Social Services Addressing Housing, Food, and Financial Insecurity**

For more on social needs screening and referral, see “Cross-Cutting Strategies” section at the end of this appendix.

**1** Schapiro, R., Blankenship, K., Rosenberg, A., & Keene, D. (2022). The effects of rental assistance on housing stability, quality, autonomy, and affordability. *Housing Policy Debate*, 32(3), 456–472. Retrieved from [https://www.nlihc.org/sites/default/files/Effects\\_of\\_Rental\\_Assistance.pdf](https://www.nlihc.org/sites/default/files/Effects_of_Rental_Assistance.pdf). See also: Pfeiffer, D. (2018). Rental housing assistance and health: Evidence from the survey of income and program participation. *Housing Policy Debate*, 28(4), 515–533. Retrieved from [https://nlihc.org/sites/default/files/Rental-Housing-Assistance-Health-Evidence\\_Survey-of-Income-Program-Participation.pdf](https://nlihc.org/sites/default/files/Rental-Housing-Assistance-Health-Evidence_Survey-of-Income-Program-Participation.pdf) See also: Liu, L. (2022). *Early effects of the COVID emergency rental assistance programs: A case study*. Rochester, NY: Social Science Research Network (SSRN). Retrieved from <https://europepmc.org/article/ppr/ppr602197>

**2** Fischer, W., Rice, D., & Mazzara, A. (2019). *Research shows rental assistance reduces hardship and provides platform to expand opportunity for low-income families*. Washington, DC: Center on Budget and Policy Priorities. Retrieved from <https://www.cbpp.org/sites/default/files/atoms/files/12-5-19hous.pdf>

**3** Curry, S. R., Baiocchi, A., Tully, B. A., Garst, N., Bielz, S., Kugley, S., & Morton, M. H. (2021). Improving program implementation and client engagement in interventions addressing youth homelessness: A meta-synthesis. *Children and Youth Services Review*, 120, 105691. Retrieved from <https://www.sciencedirect.com/science/article/pii/S0190740920321149>

**4** See, for example, Aykanian, A., Morton, P., Trawver, K., Victorson, L., Preskitt, S., & Street, K. (2020). Library-based field placements: Meeting the diverse needs of patrons, including those experiencing homelessness. *Journal of Social Work Education*, 56(Supp 1), S72–S80.

**5** McHugo, G. J., Bebout, R. R., Harris, M., Cleghorn, S., Herring, G., Xie, H., Becker, D., & Drake, R. E. (2004). A randomized controlled trial of integrated versus parallel housing services for homeless adults with severe mental illness. *Schizophrenia Bulletin*, 30(4), 969–982. Retrieved from [https://www.researchgate.net/profile/Gregory-Mchugo/publication/7786047\\_A\\_Randomized\\_Controlled\\_Trial\\_of\\_Integrated\\_Versus\\_Parallel\\_Housing\\_Services\\_for\\_Homeless\\_Adults\\_With\\_Severe\\_Mental\\_Illness/links/004635190e3121c6e9000000/A-Randomized-Controlled-Trial-of-Integrated-Versus-Parallel-Housing-Services-for-Homeless-Adults-With-Severe-Mental-Illness.pdf](https://www.researchgate.net/profile/Gregory-Mchugo/publication/7786047_A_Randomized_Controlled_Trial_of_Integrated_Versus_Parallel_Housing_Services_for_Homeless_Adults_With_Severe_Mental_Illness/links/004635190e3121c6e9000000/A-Randomized-Controlled-Trial-of-Integrated-Versus-Parallel-Housing-Services-for-Homeless-Adults-With-Severe-Mental-Illness.pdf)

**6** ChangeLab Solutions. (2015). *Up to code: Code enforcement strategies for healthy housing*. Oakland, CA: ChangeLab Solutions. Retrieved from [https://changelabsolutions.org/sites/default/files/Up-to-Code\\_Enforcement\\_Guide\\_FINAL-20150527.pdf](https://changelabsolutions.org/sites/default/files/Up-to-Code_Enforcement_Guide_FINAL-20150527.pdf)

**7** Joint Homelessness Task Force. (2018). *Homelessness task force report: Tools and resources for cities and counties*. Sacramento, CA: League of California Cities and California State Association of Counties. Retrieved from [https://www.ca-ilg.org/sites/main/files/htf\\_homeless\\_3.8.18.pdf](https://www.ca-ilg.org/sites/main/files/htf_homeless_3.8.18.pdf)

8 See, for example, Kercksmar, C. M., Dearborn, D. G., Schluchter, M., Xue, L., Kirchner, H. L., Sobolewski, J., Greenberg, S. J., Vesper, S. J., & Allan, T. (2006). Reduction in asthma morbidity in children as a result of home remediation aimed at moisture sources. *Environmental Health Perspectives*, 114(10): 1574–1580. Retrieved from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1626393/> See also: Sauni, R., Uitti, J., Jauhiainen, M., Kreiss, K., Sigsgaard, T., & Verbeek, J. H. (2013). Remediating buildings damaged by dampness and mould for preventing or reducing respiratory tract symptoms, infections and asthma. *Evidence-Based Child Health: A Cochrane Review Journal*, 8(3), 944–1000.

9 See, for example, Randles, J. (2022). Fixing a leaky U.S. social safety net: Diapers, policy, and low-income families. *RSF: The Russell Sage Foundation Journal of the Social Sciences*, 8(5), 166–183. Retrieved from <https://www.rsfjournal.org/content/rsfjss/8/5/166.full.pdf>

10 Barbosa-Leiker, C., Smith, C. L., Crespi, E. J., Brooks, O., Burduli, E., Ranjo, S., Carty, C. L., Hebert, L. E., Waters, S. F. and Gartstein, M. A. (2021). Stressors, coping, and resources needed during the COVID-19 pandemic in a sample of perinatal women. *BMC Pregnancy and Childbirth*, 21(1), 1–13. Retrieved from <https://bmcpregnancychildbirth.biomedcentral.com/articles/10.1186/s12884-021-03665-0>

**Homelessness Prevention/Legal Aid**

11 Hope, H. (2022). *Accessory dwelling units promoted as a strategy to increase affordable housing stock at White House event*. Retrieved from <https://smartgrowthamerica.org/white-house-adus-event/> See also: California Department of Housing and Community Development. (2021). *Accessory dwelling units*. Retrieved from <https://www.hcd.ca.gov/policy-and-research/accessory-dwelling-units>

12 Benton. A. L. (2014). *Creating a shared home: Promising approaches for using shared housing to prevent and end homelessness in Massachusetts*. Retrieved from <https://ash.harvard.edu/wp-content/uploads/2024/02/3308562.pdf>

13 Holl, M., Van Den Dries, L., & Wolf, J. R. (2016). Interventions to prevent tenant evictions: A systematic review. *Health and Social Care in the Community*, 24(5), 532–546. Retrieved from <https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/hsc.12257>

14 Cassidy, M. T., & Currie, J. (2022). The effects of legal representation on tenant outcomes in housing court: Evidence from New York City’s universal access program. *NBER Working Paper Series*, 29836. Cambridge, MA: National Bureau of Economic Research. Retrieved from [https://www.nber.org/system/files/working\\_papers/w29836/w29836.pdf](https://www.nber.org/system/files/working_papers/w29836/w29836.pdf)

15 Raven, M. C., Niedzwiecki, M. J., & Kushel, M. (2020). A randomized trial of permanent supportive housing for chronically homeless persons with high use of publicly funded services. *Health Services Research*, 55(S2), 797–806. Retrieved from <https://onlinelibrary.wiley.com/doi/full/10.1111/1475-6773.13553>. See also: Rog, D. J. (2004). The evidence on supported housing. *Psychiatric Rehabilitation Journal*, 27(4), 334.

16 De Marchis, E. H., Aceves, B., Razon, N. A., Weir, R. C., Jester, M., & Gottlieb, L. M. (2023). “Wanting the best for our folks”—a mixed methods analysis of community health center social risk screening initiatives. *The Journal of the American Board of Family Medicine*, 36(5), 817–831. Retrieved from <https://www.jabfm.org/content/jabfp/36/5/817.full.pdf>

17 O’Campo, P., Stergiopoulos, V., Davis, O., Lachaud, J., Nisenbaum, R., Dunn, J. R., Ahmed, N., & Tsemberis, S. (2022). Health and social outcomes in the Housing First model: Testing the theory of change. *EClinicalMedicine*, 47. Retrieved from <https://www.sciencedirect.com/science/article/pii/S2589537022001171>

18 Slesnick, N., Brakenhoff, B., Bunger, A., Chavez, L., Cuthbertson, C., Famelia, R., Feng, X., Fitzpatrick, M., Ford, J., Hatsu, I., & Holowacz, E. (2023). Lessons learned from housing first, rapid rehousing trials with youth experiencing homelessness. *Addiction Science & Clinical Practice*, 18(1), 58. Retrieved from <https://link.springer.com/content/pdf/10.1186/s13722-023-00413-x.pdf>

**Household Income Support**

19 Robins, P. K., Spiegelman, R. G., & Weiner, S. (Eds.). (2013). *A Guaranteed Annual Income: Evidence From a Social Experiment*. Elsevier. See also: Standing, G. (2008). How cash transfers promote the case for basic income. *Basic Income Studies*, 3(1), 1–30. Retrieved from <https://soas-repository.worktribe.com/output/376477>

20 Silver, D., & Zhang, J. (2022). Invisible Wounds: Health and Well-Being Impacts of Mental Disorder Disability Compensation on Veterans. *NBER Working Paper Series*, 29877. Cambridge, MA: National Bureau of Economic Research. Retrieved from <https://www.nber.org/papers/w29877>

21 Rong, M., Lowenstein, C., & Rehkopf, D. H. (2024). *Effects of the 2015 California EITC expansion on colorectal cancer risk factors*. Rochester, NY: Social Science Research Network (SSRN). Retrieved from [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=4931575](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4931575)

**Food Access**

For more on social needs screening and referral, see “Cross-Cutting Strategies” section at the end of this appendix.

22 Centers for Disease Control and Prevention. (2011). School health guidelines to promote healthy eating and physical activity. *Morbidity and Mortality Weekly Report (MMWR)*, 60(5), 1–76. Retrieved from <https://www.cdc.gov/mmwr/pdf/rr/rr6005.pdf>

23 Centers for Disease Control and Prevention. (2011). *Strategies to prevent obesity and other chronic diseases: The CDC guide to strategies to increase the consumption of fruits and vegetables*. Atlanta, GA: Division of Nutrition, Physical Activity, and Obesity, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention, U.S. Department of Health and Human Services. Retrieved from <https://www.cdc.gov/nutrition/media/pdfs/strategies-fruits-and-vegetables-508.pdf>

24 Minkler, M., Estrada, J., Dyer, S., Hennessey-Lavery, S., Wakimoto, P., & Falbe, J. (2019). Healthy retail as a strategy for improving food security and the built environment in San Francisco. *American Journal of Public Health*, 109(S2), S137–S140. Retrieved from <https://ajph.aphapublications.org/doi/pdf/10.2105/AJPH.2019.305000>

25 Kantor, L. S. (2001). Community food security programs improve food access. *Food Review*, 24(1), 20–26. Retrieved from <https://ageconsearch.umn.edu/record/266234/files/FoodReview-237.pdf>

26 Davis, R. A., Leavitt, H. B., & Chau, M. (2022). A review of interventions to increase WIC enrollment and participation. *Journal of Community Health*, 47(6), 990–1000.

27 Garibaldi, L. A., Gemmill-Herren, B., D’Annolfo, R., Graeb, B. E., Cunningham, S. A., & Breeze, T. D. (2017). Farming approaches for greater biodiversity, livelihoods, and food security. *Trends in Ecology & Evolution*, 32(1), 68–80. Retrieved from <https://doi.org/10.1016/j.tree.2016.10.001> But see: Fung, K. M., Tai, A. P., Yong, T., Liu, X., & Lam, H. M. (2019). Co-benefits of intercropping as a sustainable farming method for safeguarding both food security and air quality. *Environmental Research Letters*, 14(4), 044011. Retrieved from <https://iopscience.iop.org/article/10.1088/1748-9326/aafc8b/pdf>



**28** Stauffer, J. M., Vanajakumari, M., Kumar, S., & Mangapora, T. (2022). Achieving equitable food security: How can food bank mobile pantries fill this humanitarian need. *Production and Operations Management*, 31(4), 1802–1821.

**Nutrition Education/Healthy Food Systems**

**29** Centers for Disease Control and Prevention. (2011). School health guidelines to promote healthy eating and physical activity. *Morbidity and Mortality Weekly Report (MMWR)*, 60(5), 1–76. Retrieved from <https://www.cdc.gov/mmwr/pdf/rr/rr6005.pdf>

**30** Hargreaves, D., Mates, E., Menon, P., Alderman, H., Devakumar, D., Fawzi, W., Greenfield, G., Hammoudeh, W., He, S., Lahiri, A., & Liu, Z. (2022). Strategies and interventions for healthy adolescent growth, nutrition, and development. *The Lancet*, 399(10320), 198–210.

**31** Lassi, Z. S., Moin, A., Das, J. K., Salam, R. A., & Bhutta, Z. A. (2017). Systematic review on evidence-based adolescent nutrition interventions. *Annals of the New York Academy of Sciences*, 1393(1), 34–50. Retrieved from <https://nyaspubs.onlinelibrary.wiley.com/doi/pdf/10.1111/nyas.13335>

**32** de Ridder, D., Kroese, F., Evers, C., Adriaanse, M., & Gillebaart, M. (2017). Healthy diet: Health impact, prevalence, correlates, and interventions. *Psychology & Health*, 32(8), 907–941. Retrieved from <https://www.tandfonline.com/doi/pdf/10.1080/08870446.2017.1316849>

**33** Larson, N., Wang, Q., Grannon, K., Wei, S., Nanney, M. S., & Caspi, C. (2018). A low-cost, grab-and-go breakfast intervention for rural high school students: Changes in school breakfast program participation among at-risk students in Minnesota. *Journal of Nutrition Education and Behavior*, 50(2), 125–132.

**34** Gortmaker, S. L., Cheung, L. W., Peterson, K. E., Chomitz, G., Cradle, J. H., Dart, H., Fox, M. K., Bullock, R. B., Sobol, A. M., Colditz, G., & Field, A. E. (1999). Impact of a school-based interdisciplinary intervention on diet and physical activity among urban primary school children: Eat well and keep moving. *Archives of Pediatrics & Adolescent Medicine*, 153(9), 975–983. Retrieved from <https://jamanetwork.com/journals/jamapediatrics/fullarticle/347688>

**35** See, for example, McLoughlin, G. M., McCarthy, J. A., McGuirt, J. T., Singleton, C. R., Dunn, C. G., & Gadhoke, P. (2020). Addressing food insecurity through a health equity lens: A case study of large urban school districts during the COVID-19 pandemic. *Journal of Urban Health*, 97(6), 759–775. Retrieved from <https://link.springer.com/article/10.1007/s11524-020-00476-0>

**Local Workforce Development/  
Procurement Ecosystem**

**36** Covino, N. A. (2019). Developing the behavioral health workforce: Lessons from the states. *Administration and Policy in Mental Health and Mental Health Services Research*, 46(6), 689–695.

**37** Smith, S. G., Nsiah-Kumi, P. A., Jones, P. R., & Pamies, R. J. (2009). Pipeline programs in the health professions, part 1: Preserving diversity and reducing health disparities. *Journal of the National Medical Association*, 101(9), 836–851.

**38** See, for example, Sieck, L., Chatterjee, T., & Birch, A. (2022). Priming the pipeline: Inspiring diverse young scholars in the radiologic sciences begins during early childhood education. *Journal of the American College of Radiology*, 19(2), 384–388. Retrieved from [https://www.jacr.org/article/S1546-1440\(21\)00852-8/fulltext](https://www.jacr.org/article/S1546-1440(21)00852-8/fulltext)

**39** Zuckerman, D., & Parker, K. (2016). Inclusive, local hiring: Building the pipeline to a healthy community. *Hospitals Aligned for Healthy Communities* tool kit series. Washington, DC: The Democracy Collaborative. Retrieved from <https://healthcareanchor.network/wp-content/uploads/2021/09/Hospital-Toolkits-Inclusive-Local-Hiring.pdf>

**40** Hosek, J., Nataraj, S., Mattock, M. G., & Asch, B. J. (2017). *The role of special and incentive pays in retaining military mental health care providers*. Santa Monica, CA: RAND Corporation. Retrieved from <https://apps.dtic.mil/sti/pdfs/AD1085233.pdf>

**41** Renner, D. M., Westfall, J. M., Wilroy, L. A., & Ginde, A. A. (2010). The influence of loan repayment on rural healthcare provider recruitment and retention in Colorado. *Rural and Remote Health*, 10(4), 220–233. Retrieved from <https://search.informit.org/doi/pdf/10.3316/informit.396789141569821>

**42** Humphreys, J., Wakerman, J., Pashen, D., & Buykx, P. (2017). *Retention strategies and incentives for health workers in rural and remote areas: What works?* Canberra, ACT: Australian Primary Health Care Research Institute. Retrieved from <https://openresearch-repository.anu.edu.au/server/api/core/bitstreams/39d9029e-e8de-4ec4-ace0-354b7d02333e/content>

**43** Poremski, D., Rabouin, D., & Latimer, E. (2017). A randomised controlled trial of evidence based supported employment for people who have recently been homeless and have a mental illness. *Administration and Policy in Mental Health and Mental Health Services Research*, 44(2), 217–224.

**44** Bretherton, J., & Pleace, N. (2019). Is work an answer to homelessness?: Evaluating an employment programme for homeless adults. *European Journal of Homelessness*, 13(1), 59–83. Retrieved from [https://eprints.whiterose.ac.uk/145311/1/13\\_1\\_A3\\_Bretherton\\_v02.pdf](https://eprints.whiterose.ac.uk/145311/1/13_1_A3_Bretherton_v02.pdf)

**45** Johnsen, S., & Watts, B. (2014). Homelessness and poverty: Reviewing the links. *Papers of the European Network for Housing Research (ENHR) Conference*, 1, 4–9. Retrieved from [https://pure.hw.ac.uk/ws/portalfiles/portal/6831437/ENHRfullpaper\\_H\\_P.pdf](https://pure.hw.ac.uk/ws/portalfiles/portal/6831437/ENHRfullpaper_H_P.pdf)

**46** Wang, Q., Li, Y., Yang, Y., Little, M. G., Basnight, E. B., & Fryberger, C. B. (2024). University-led entrepreneurship ecosystem building in underserved communities: From a network perspective. *Geographical Review*, 114(3), 353–377. Retrieved from <https://www.tandfonline.com/doi/pdf/10.1080/00167428.2023.2256000>

**47** Buttice, V., & Useche, D. (2022). Crowdfunding to overcome the immigrant entrepreneurs’ liability of outsidership: The role of internal social capital. *Small Business Economics*, 59(4), 1519–1540. Retrieved from <https://re.public.polimi.it/bitstream/11311/1199273/2/Buttice%20and%20Useche%20%282018%29%20Crowdfunding%20to%20overcome%20the%20liability%20of%20outsidership%20Drivers%20of%20immigrant%20entrepreneurs%E2%80%99%20fundraising%20performance%20.pdf>

**Screening, Referral, and Enhanced Case Management for Social Needs**

For more on social needs screening and referral, see “Cross-Cutting Strategies” section at the end of this appendix.

**48** Singer, C., & Porta, C. (2022). Improving patient well-being in the United States through care coordination interventions informed by social determinants of health. *Health and Social Care in the Community*, 30(6), 2270–2281. Retrieved from <https://www.connectionriversidehealthcare.com/wp-content/uploads/SDOH-Care-Coordination.pdf>

**49** Ponka, D., Agbata, E., Kendall, C., Stergiopoulos, V., Mendonca, O., Magwood, O., Saad, A., Larson, B., Sun, A. H., Arya, N., & Hannigan, T. (2020). The effectiveness of case management interventions for the homeless, vulnerably housed and persons with lived experience: A systematic review. *PLOS One*, 15(4), e0230896. Retrieved from <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0230896>

**50** Razon, N. A., & Gottlieb, L. (2022). Content analysis of transportation screening questions in social risk assessment tools: Are we capturing transportation insecurity? *Journal of the American Board of Family Medicine*, 35(2), 400–405. Retrieved from <https://www.jabfm.org/content/jabfp/35/2/400.full.pdf>

Access to Care

Health Clinics Near Vulnerable Neighborhoods

**1** Epstein, A. J. (2001). The role of public clinics in preventable hospitalizations among vulnerable populations. *Health Services Research*, 36(2), 405. Retrieved from <https://pmc.ncbi.nlm.nih.gov/articles/PMC1089231/pdf/hsresearch00003-0112.pdf>

**2** Bhatt, J., & Bathija, P. (2018). Ensuring access to quality health care in vulnerable communities. *Academic Medicine*, 93:1271–1275.

**3** Shi, L., Lebrun, L. A., Tsai, J., & Zhu, J. (2010). Characteristics of ambulatory care patients and services: A comparison of community health centers and physicians’ offices. *Journal of Health Care for the Poor and Underserved*, 21(4), 1169–1183. Retrieved from [https://web.archive.org/web/20170809090652id\\_/http://www.jhsph.edu/research/centers-and-institutes/johns-hopkins-primary-care-policy-center/Publications\\_PDFs/2010%20JHCPU.pdf](https://web.archive.org/web/20170809090652id_/http://www.jhsph.edu/research/centers-and-institutes/johns-hopkins-primary-care-policy-center/Publications_PDFs/2010%20JHCPU.pdf)

**4** Ginsburg, S. (2008). Colocating health services: A way to improve coordination of children’s health care? *Commonwealth Fund Issue Brief*, 1153(41). Retrieved from <https://www.issuelab.org/resources/8730/8730.pdf>

**5** DeClercq, C., Gharipour, M., Mohagheghi, S., Tot Bui, A., Hemme, N. W., & Johnson, E. (2023). A novel approach to locating community clinics to promote health care accessibility and reduce health disparities in Baltimore, Maryland. *INQUIRY: The Journal of Health Care Organization, Provision, and Financing*, 60, 1–16. Retrieved from <https://journals.sagepub.com/doi/pdf/10.1177/00469580221135953>

**6** Myers, B., Racht, E., Tan, D., & White, L. (2012). *Mobile integrated healthcare practice: A healthcare delivery strategy to improve access, outcomes, and value*. Retrieved from <https://www.naemt.org/Files/MobileIntegratedHC/Medtronic%20MIH%20Whitepaper.pdf>

Telemedicine and Other Extension Strategies

**7** Flodgren, G., Rachas, A., Farmer, A. J., Inzitari, M., & Shepperd, S. (2015). Interactive telemedicine: Effects on professional practice and health care outcomes. *Cochrane Database of Systematic Reviews*, 9(9), CD002098. Retrieved from <https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD002098.pub2/pdf/full>

**8** Lindsay, J. A., Kauth, M. R., Hudson, S., Martin, L. A., Ramsey, D. J., Daily, L., & Rader, J. (2015). Implementation of video telehealth to improve access to evidence-based psychotherapy for posttraumatic stress disorder. *Telemedicine and e-Health*, 21(6), 467–472. Retrieved from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4458738/>

**9** Torous, J., Wisniewski, H., Bird, B., Carpenter, E., David, G., Elejalde, E., Fulford, D., Guimond, S., Hays, R., Henson, P. and Hoffman, L. (2019). Creating a digital health smartphone app and digital phenotyping platform for mental health and diverse healthcare needs: An interdisciplinary and collaborative approach. *Journal of Technology in Behavioral Science*, 4, 73–85. Retrieved from <https://link.springer.com/content/pdf/10.1007/s41347-019-00095-w.pdf>

**10** McGorry, P. D., Mei, C., Chanen, A., Hodges, C., Alvarez-Jimenez, M., & Killackey, E. (2022). Designing and scaling up integrated youth mental health care. *World Psychiatry*, 21(1), 61–76. Retrieved from <https://onlinelibrary.wiley.com/doi/full/10.1002/wps.20938>

**11** Lattimer, V., Sassi, F., George, S., Moore, M., Turnbull, J., Mullee, M., & Smith, H. (2000). Cost analysis of nurse telephone consultation in out of hours primary care: Evidence from a randomised controlled trial. *BMJ*, 320(7241), 1053–1057.

**12** Piehl, M. D., Clemens, C. J., & Joines, J. D. (2000). “Narrowing the gap”: Decreasing emergency department use by children enrolled in the Medicaid program by improving access to primary care. *Archives of Pediatric and Adolescent Medicine*, 154(8), 791–95. Retrieved from <https://jamanetwork.com/journals/jamapediatrics/fullarticle/350544> See also: Lowe, R. A., Localio, A. R., Schwarz, D. F., Williams, S., Wolf Tuton, L., Maroney, S., Nicklin, D., Goldfarb, N., Vojta, D. D., & Feldman, H. I. (2005). Association between primary care practice characteristics and emergency department use in a Medicaid managed care organization. *Medical Care*, 43(8), 792–800. And see: Buckley, D. J., Curtis, P. W., & McGirr, J. G. (2010). The effect of a general practice after-hours clinic on emergency department presentations: A regression time series analysis. *Medical Journal of Australia*, 192(8), 448–451. Retrieved from [https://www.mja.com.au/system/files/issues/192\\_08\\_190410/buc10644\\_fm.pdf](https://www.mja.com.au/system/files/issues/192_08_190410/buc10644_fm.pdf)

**13** Paradis, H. A., Sandler, M., Manly, J. T., & Valentine, L. (2013). Building healthy children: Evidence-based home visitation integrated with pediatric medical homes. *American Academy of Pediatrics*. 132(Suppl 2), S174–S179. Retrieved from <https://doi.org/10.1542/peds.2013-1021R>

**14** Chibanda, D. (2017). Reducing the treatment gap for mental, neurological and substance use disorders in Africa: Lessons from the Friendship Bench in Zimbabwe. *Epidemiology and Psychiatric Sciences*, 26(4), 342–347. Retrieved from <https://pmc.ncbi.nlm.nih.gov/articles/PMC6998766/pdf/S2045796016001128a.pdf>

**15** Zulu, J. M., & Perry, H. B. (2021). Community health workers at the dawn of a new era. *Health Research Policy and Systems*, 19(Suppl 3), 1–5. Retrieved from <https://link.springer.com/content/pdf/10.1186/s12961-021-00761-7.pdf>. See also: Chapters 1–11 of Community health workers at the dawn of a new era, also in *Health Research Policy and Systems*, 19(Suppl 3).



**16** Murphy, R., Huggard, L., Fitzgerald, A., Hennessy, E., & Booth, A. (2024). A systematic scoping review of peer support interventions in integrated primary youth mental health care. *Journal of Community Psychology*, 52(1), 154–180. Retrieved from <https://onlinelibrary.wiley.com/doi/pdfdirect/10.1002/jcop.23090>

**Supply of High-Quality Providers**

For pipeline programs, see “Cross-Cutting Strategies” section at the end of this appendix.

**17** Hadley, J., & Cunningham, P. (2004). Availability of safety net providers and access to care of uninsured persons. *Health Services Research*, 39(5), 1527–1546. See also: Cunningham, P., & Hadley, J. (2004). Expanding care versus expanding coverage: How to improve access to care. *Health Affairs*, 23(4), 234–244.

**18** See, for example, Cox, J., Adams, E., & Loughran, M. (2014). Behavioral health training is good medicine for counseling trainees: Two curricular experiences in interprofessional collaboration. *Journal of Mental Health Counseling*, 36(2), 115–129.

**19** Covino, N. A. (2019). Developing the behavioral health workforce: Lessons from the states. *Administration and Policy in Mental Health and Mental Health Services Research*, 46(6), 689–695.

**20** Kaslow, N. J., Friis-Healy, E. A., Cattie, J. E., Cook, S. C., Crowell, A. L., Cullum, K. A., Del Rio, C., Marshall-Lee, E. D., LoPilato, A. M., VanderBroek-Stice, L., & Ward, M. C. (2020). Flattening the emotional distress curve: A behavioral health pandemic response strategy for COVID-19. *American Psychologist*, 75(7), 875.

**21** Hosek, J., Nataraj, S., Mattock, M. G., & Asch, B. J. (2017). *The role of special and incentive pays in retaining military mental health care providers*. Santa Monica, CA: RAND Corporation. Retrieved from <https://apps.dtic.mil/sti/pdfs/AD1085233.pdf>

**22** Renner, D. M., Westfall, J. M., Wilroy, L. A., & Ginde, A. A. (2010). The influence of loan repayment on rural healthcare provider recruitment and retention in Colorado. *Rural and Remote Health*, 10(4), 220–233. Retrieved from <https://search.informit.org/doi/pdf/10.3316/informit.396789141569821>

**23** Humphreys, J., Wakerman, J., Pashen, D., & Buykx, P. (2017). *Retention strategies and incentives for health workers in rural and remote areas: What works?* Canberra, ACT: Australian Primary Health Care Research Institute. Retrieved from <https://openresearch-repository.anu.edu.au/server/api/core/bitstreams/39d9029e-e8de-4ec4-ace0-354b7d02333e/content>

**24** Wu, A., Roemer, E. C., Kent, K. B., Ballard, D. W., & Goetzel, R. Z. (2021). Organizational best practices supporting mental health in the workplace. *Journal of Occupational and Environmental Medicine*, 63(12), e925–e931. Retrieved from [https://journals.lww.com/joem/fulltext/2021/12000/organizational\\_best\\_practices\\_supporting\\_mental.26.aspx](https://journals.lww.com/joem/fulltext/2021/12000/organizational_best_practices_supporting_mental.26.aspx)

**25** Søvold, L. E., Naslund, J. A., Kousoulis, A. A., Saxena, S., Qoronfleh, M. W., Grobler, C., & Münter, L. (2021). Prioritizing the mental health and well-being of healthcare workers: An urgent global public health priority. *Frontiers in Public Health*, 9, 679397. Retrieved from <https://www.frontiersin.org/articles/10.3389/fpubh.2021.679397/pdf>

**26** Fox, K. E., Johnson, S. T., Berkman, L. F., Sianoja, M., Soh, Y., Kubzansky, L. D., & Kelly, E. L. (2022). Organisational- and group-level workplace interventions and their effect on multiple domains of worker well-being: A systematic review. *Work & Stress*, 36(1), 30–59.

**27** Robinson, J., Raphael, D., Moeke-Maxwell, T., Parr, J., Gott, M., & Slark, J. (2024). Implementing interventions to improve compassionate nursing care: A literature review. *International Nursing Review*, 71(3), 457–467. Retrieved from <https://onlinelibrary.wiley.com/doi/pdf/10.1111/inr.12910>

**28** Green, C. L., Perez, S. L., Walker, A., Estriplet, T., Ogunwole, S. M., Auguste, T. C., & Crear-Perry, J. A. (2021). The cycle to respectful care: A qualitative approach to the creation of an actionable framework to address maternal outcome disparities. *International Journal of Environmental Research and Public Health*, 18(9), 4933. Retrieved from <https://pmc.ncbi.nlm.nih.gov/articles/PMC8141109/>

**29** Govere, L., & Govere, E. M. (2016). How effective is cultural competence training of healthcare providers on improving patient satisfaction of minority groups? A systematic review of literature. *Worldviews on Evidence-Based Nursing*, 13(6), 402–410. Retrieved from <https://sigmapubs.onlinelibrary.wiley.com/doi/pdfdirect/10.1111/wvn.12176> See also: County Health Rankings and Roadmaps. (2020). *Cultural competence training for health care professionals*. Retrieved from <https://www.countyhealthrankings.org/take-action-to-improve-health/what-works-for-health/strategies/cultural-competence-training-for-health-care-professionals>

**30** Lown, B. A., Muncer, S. J., & Chadwick, R. (2015). Can compassionate healthcare be measured? The Schwartz Center Compassionate Care Scale. *Patient Education and Counseling*, 98(8), 1005–1010. Retrieved from <https://research.tees.ac.uk/ws/files/6461528/581617.pdf>

**31** Mannion, R. (2014). Enabling compassionate healthcare: Perils, prospects and perspectives. *International Journal of Health Policy and Management*, 2(3), 115–117. Retrieved from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3992785/>

**Cross-Cutting Strategies**

**Expand Health and Social Service Workforce Pipeline**

**1** Smith, S. G., Nsiah-Kumi, P. A., Jones, P. R., & Pamies, R. J. (2009). Pipeline programs in the health professions, part 1: Preserving diversity and reducing health disparities. *Journal of the National Medical Association*, 101(9), 836–851.

**2** See, for example, Sieck, L., Chatterjee, T., & Birch, A. (2022). Priming the pipeline: Inspiring diverse young scholars in the radiologic sciences begins during early childhood education. *Journal of the American College of Radiology*, 19(2), 384–388. Retrieved from [https://www.jacr.org/article/S1546-1440\(21\)00852-8/fulltext](https://www.jacr.org/article/S1546-1440(21)00852-8/fulltext)

**3** Gardinier, L., Dow, M., & Mann, E. (2017). Creating professional pipelines through community engagement. In L. Gardinier (Ed.), *Service learning through community engagement: What community partners and members gain, lose, and learn from campus collaborations*. New York, NY: Springer Publishing Company.

**4** Ginwright, S. (2010). Building a pipeline for justice: Understanding youth organizing and the leadership pipeline. *Occasional Papers Series on Youth Organizing*, 10. New York, NY: Funders’ Collaborative on Youth Organizing. Retrieved from <https://cdn.givingcompass.org/wp-content/uploads/2018/02/22141145/Understanding-Youth-Organizing-and-the-Leadership-Pipeline.pdf>

**Improve Hospital and Clinic-Based Screening and Referral Systems for Social Needs**

**5** Hatef, E., Richards, T., Hail, S., Zhang, T., Topel, K., Kitchen, C., Shaw, K. C., & Weiner, J. P. (2025). An electronic health record–based platform for social needs assessment and navigation services: Preliminary results of a randomized controlled trial. *American Journal of Preventive Medicine (AJPM) Focus*, 4(4), 100344. Retrieved from <https://www.sciencedirect.com/science/article/pii/S277306542500032X>

**6** De Marchis, E. H., Aceves, B., Razon, N. A., Weir, R. C., Jester, M., & Gottlieb, L. M. (2023). “Wanting the best for our folks”—a mixed methods analysis of community health center social risk screening initiatives. *Journal of the American Board of Family Medicine*, 36(5), 817–831. Retrieved from <https://www.jabfm.org/content/jabfp/36/5/817.full.pdf>

**7** Razon, N. A., & Gottlieb, L. (2022). Content analysis of transportation screening questions in social risk assessment tools: Are we capturing transportation insecurity? *Journal of the American Board of Family Medicine*, 35(2), 400–405. Retrieved from <https://www.jabfm.org/content/jabfp/35/2/400.full.pdf>

**8** Palakshappa, D., Doupnik, S., Vasani, A., Khan, S., Seifu, L., Feudtner, C., & Fiks, A. G. (2017). Suburban families’ experience with food insecurity screening in primary care practices. *Pediatrics*, 140(1). Retrieved from [https://drive.google.com/file/d/19eOV4D0s9ECIQ\\_6s\\_9RCOLUPootbhqqD/view](https://drive.google.com/file/d/19eOV4D0s9ECIQ_6s_9RCOLUPootbhqqD/view)

**9** Palakshappa, D., Vasani, A., Khan, S., Seifu, L., Feudtner, C., & Fiks, A. G. (2017). Clinicians’ perceptions of screening for food insecurity in suburban pediatric practice. *Pediatrics*, 140(1). Retrieved from <https://drive.google.com/file/d/1Vi84L3o9an611K89-10CchmwvcQfQBkf/view>

**10** Smith, S., Malinak, D., Chang, J., Perez, M., Perez, S., Settlekowski, E., Rodriggs, T., Hsu, M., Abrew, A., & Aedo, S. (2017). Implementation of a food insecurity screening and referral program in student-run free clinics in San Diego, California. *Preventive Medicine Reports*, 5, 134–139. Retrieved from <https://www.sciencedirect.com/science/article/pii/S2211335516301541>

**Address Digital Equity**

**11** Tomer, A., Fishbane, L., Siefer, A., & Callahan, B. (2020). *Digital prosperity: How broadband can deliver health and equity to all communities*. Washington, DC: Metropolitan Policy Program, The Brookings Institution. Retrieved from <https://www.brookings.edu/research/digital-prosperity-how-broadband-can-deliver-health-and-equity-to-all-communities/> See also: Zuo, G. W. (2021). Wired and Hired: Employment Effects of Subsidized Broadband Internet for Low-Income Americans. *American Economic Journal: Economic Policy*, 13(3): 447–82.

**12** Gillie, M., Ali, D., Vadlamuri, D., & Carstarphen, K. J. (2022). Telehealth literacy as a social determinant of health: A novel screening tool to support vulnerable patient equity. *Journal of Alzheimer’s Disease Reports*, 6(1), 67–72. Retrieved from <https://journals.sagepub.com/doi/pdf/10.3233/ADR-210024>

**13** Hasannejadasl, H., Roumen, C., Smit, Y., Dekker, A., & Fijten, R. (2022). Health literacy and eHealth: Challenges and strategies. *JCO Clinical Cancer Informatics*, 6, e2200005. Retrieved from <https://ascopubs.org/doi/pdfdirect/10.1200/CCI.22.00005>

**14** Gallegos-Rejas, V. M., Thomas, E. E., Kelly, J. T., & Smith, A. C. (2023). A multi-stakeholder approach is needed to reduce the digital divide and encourage equitable access to telehealth. *Journal of Telemedicine and Telecare*, 29(1), 73–78. Retrieved from [https://www.researchgate.net/profile/Victor-Gallegos-Rejas/publication/361497750\\_A\\_multi-stakeholder\\_approach\\_is\\_needed\\_to\\_reduce\\_the\\_digital\\_divide\\_and\\_encourage\\_equitable\\_access\\_to\\_telehealth/links/62d5f908bf4b98532233d155/A-multi-stakeholder-approach-is-needed-to-reduce-the-digital-divide-and-encourage-equitable-access-to-telehealth.pdf](https://www.researchgate.net/profile/Victor-Gallegos-Rejas/publication/361497750_A_multi-stakeholder_approach_is_needed_to_reduce_the_digital_divide_and_encourage_equitable_access_to_telehealth/links/62d5f908bf4b98532233d155/A-multi-stakeholder-approach-is-needed-to-reduce-the-digital-divide-and-encourage-equitable-access-to-telehealth.pdf)

**15** Kim, J. H., Desai, E., & Cole, M. B. (2020). How the rapid shift to telehealth leaves many community health centers behind during the COVID-19 pandemic. *Health Affairs Forefront*, 10(1377). Retrieved from <https://www.healthaffairs.org/doi/10.1377/forefront.20200529.449762/full/>

**16** Health Resources & Services Administration, U.S. Department of Health & Human Services. (2025). *Telehealth resources for health care providers*. Retrieved from <https://telehealth.hhs.gov/providers>

**17** Choi, K., Gitelman, Y., Leri, D., Deleener, M. E., Hahn, L., O’Malley, C., Lang, E., Patel, N., Jones, T., Emperado, K., & Erickson, C. (2021). Insourcing and scaling a telemedicine solution in under 2 weeks: Lessons for the digital transformation of health care. *Healthcare*, 9(3), 100568. Retrieved from <https://pmc.ncbi.nlm.nih.gov/articles/PMC9616708/pdf/main.pdf>



