

# Community Health Needs Assessment Pinellas County Children

2022



Prepared by Conduent Healthy Communities Institute

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# Letter from the All4HealthFL Collaborative

To the citizens of Pinellas County,

We are proud to present the 2022 All4HealthFL Collaborative Community Health Needs Assessment (CHNA) for Pinellas County children.

The All4HealthFL Collaborative members include AdventHealth, BayCare Health System, Bayfront Health St. Petersburg, Moffitt Cancer Center, Johns Hopkins All Children's Hospital, Lakeland Regional Health, Tampa General Hospital, and the Florida Department of Health in Hillsborough, Pasco, Pinellas, and Polk counties. The purpose of the collaborative is to improve health by leading regional outcome driven health initiatives that have been prioritized through community health assessments.

We would like to extend our sincere gratitude to the volunteers, community members, community organizations, local government, and many others who devoted their time and input to the 2022 Community Health Needs Assessment and prioritization process.

The Collaborative is keenly aware that by working together we can provide greater benefit to individuals in our community who need our support to improve their health and well-being. Over the next few months, we will be developing a detailed implementation plan around the top health needs identified in this report that will drive our joint efforts.

Thank you for taking the time to read the All4HealthFL Community Health Needs Assessment.

**The All4HealthFL Collaborative**

# COMMUNITY HEALTH NEEDS ASSESSMENT

## At a Glance: Pinellas County Children

### Secondary Data

- Access to Health & Social Services
- Exercise, Nutrition & Weight
- Maternal, Fetal & Infant Health
- Behavioral Health (Mental Health & Substance Misuse)
- Immunizations & Infectious Diseases
- Respiratory Diseases

### Primary Data/Community Input

#### Community Health Survey

Pinellas County had **1,268** Community Survey Respondents with Children

**Top Health Issues:**

Mental or Behavioral Health	45.3%
Healthy Food / Nutrition	33.8%
Dental Care	30.7%

#### Focus Group Discussions

Pinellas County conducted **6** Focus Groups

Dealing with multiple aspects of racism, creates health issues and concerns cultural competency in terms of how you're raised, your diet, and access to healthy food options.

-Focus Group Participant

### Health Equity

The All4HealthFL Collaborative was intentional in creating community assessments and forums to understand different groups' unique experiences and perceptions around diversity, equity, and inclusion. Focus groups consisted of community residents and organizations from the Black/African American/Haitian populations, Children, Hispanic/Latinx, LGBTQ+, and Older Adults.

# Introduction & Purpose

The purpose of this Community Health Needs Assessment (CHNA) is to offer a comprehensive understanding of health needs, barriers to accessing care, and Social Determinants of Health (SDoH) for children under the age of 18 and their families who live in Pinellas County. The priorities identified in this report help to guide planning efforts to improve health and quality of life.

This CHNA was completed through a collaborative effort that integrated the processes of hospitals and community partners serving Pinellas County including AdventHealth, BayCare Health System, Bayfront Health St. Petersburg, Johns Hopkins All Children's Hospital, and the Florida Department of Health in Pinellas. The All4HealthFL Collaborative partnered with Conduent Healthy Communities Institute (HCI) to conduct this 2022 CHNA.

This report includes a description of the community demographics and population served. It also includes the process and methods used to obtain, analyze, and synthesize primary and secondary data and identify the significant health needs in the community. Special attention has been given to the needs of vulnerable populations, unmet health needs or gaps in services, and input from the community.

Findings from this report will be used to identify, develop, and target initiatives to provide and connect patients with resources to improve these health challenges in the community.

## Acknowledgements

The Pinellas County community was a key stakeholder in the development of the CHNA. Community organizations, leaders, and residents assisted in identifying health and social care barriers of children and families living in the community. The All4HealthFL Collaborative members spearheaded development of the community survey, outreach, marketing, facilitated focus groups, and united organizations for the purpose of improving health outcomes. In addition, The Collaborative commissioned three organizations to support the 2022 CHNA process. See Appendix E for the full list of collaborative members, supporting individuals, organizations, partners, and vendors.

Conduent Healthy Communities Institute (HCI) supported report preparation. HCI works with clients across the nation to drive community health outcomes by assessing needs, developing focused strategies, identifying appropriate intervention programs, establishing monitoring systems, and implementing performance evaluation processes. To learn more about Conduent HCI, please visit [www.conduent.com/community-population-health](http://www.conduent.com/community-population-health).

Tampa Bay Healthcare Collaborative (TBHC) was selected to facilitate the prioritization sessions for each county. TBHC is a member-driven organization whose mission is to promote and advance health equity through increasing awareness, building capacity, and fostering collaboration. TBHC helps the underserved by connecting organizations, at no cost, within the health equity ecosystem to collaborate more effectively to reach vulnerable populations using TBHC Collaborate, an online platform, to elevate collaboration among members. To learn more about TBHC visit <http://tampabayhealth.org/>

St Petersburg College, Collaborative Labs designed and facilitated community focus group discussions. Collaborative Labs works as an extension of a business or organization's team to provide expert facilitation, customized agenda formation and strength-based activities. They are process experts that ensure an organization engagement has the right stakeholders to build the best plan for future success. Learn more at: [www.CollaborativeLabs.com](http://www.CollaborativeLabs.com)

## All4HealthFL Collaborative

The All4HealthFL Collaborative was officially organized in 2019. This group comes together with a mutual interest to improve health by leading regional, outcome-driven health initiatives that have been prioritized through community health assessments. This process is conducted every three years and aims to identify health priorities in the community and strategizes to address them. The All4HealthFL Collaborative works together to plan, implement, and evaluate strategies that are in alignment with identified health priorities. Together, the group strives to make Hillsborough, Pasco, Pinellas, and Polk counties, the healthiest region in Florida.

The Collaborative consists of individuals from the following organizations and agencies:



The All4HealthFL Collaborative also hosts and maintains the [All4HealthFL Community Data Platform](#) as a community resource for the four counties comprising their combined service area.



# Evaluation of Progress Since Previous CHNA

The CHNA process should be viewed as a three-year cycle to evaluate the impact of actions taken to address priority areas. This step affirms organizations focus and targets efforts during the next CHNA cycle. The top three health priorities for Pinellas County from the 2019 CHNA were access to healthcare, behavioral health, and exercise, nutrition & weight.



Implementation strategies for these health topics shifted in response to the COVID-19 pandemic. Innovative strategies were adopted to continue building capacity for addressing the community health needs.

## Collaborative Achievements

In 2019, the county health departments and health systems came together to partner on a single Community Health Needs Assessment for the Tampa Bay region. Those organizations, now united as All4HealthFL Collaborative, came together under the belief that the important health challenges our community faced were best assessed and addressed as one. The work of The Collaborative culminated in a set of priorities that are guiding the community health initiatives of organizations across Hillsborough, Pasco, Pinellas, and Polk Counties.

While implementation of our community benefit plans was already underway, The Collaborative understood all too well the tremendous impact COVID-19 had on our communities. It was important to take a moment and understand how the ground shifted in terms of community health needs because of the ongoing pandemic. With that in mind, a short survey was deployed from May through June 2020 asking community partners and experts how COVID-19 brought to light new issues or reinforced existing issues facing the health needs of the community.

There were 85 responses to the survey across the region. Although there were new issues that emerged around housing and poverty, the survey respondents affirmed the 2020-2022 top 3 focus areas of Mental Health and Substance Misuse, Access the Health Care and Exercise, Nutrition and Weight as still the most pressing issues. These data provided The Collaborative an opportunity to consider increasing strategies to increase programs like Mental Health First Aid Training. The Collaborative has collectively provided 62 Mental Health First Aid classes to Hillsborough, Pasco, Pinellas, and Polk Counties.



## Partner Achievements in Children’s

Prior to this Collaborative Community Health Needs Assessment, health systems working within Pinellas County implemented individual assessments and initiatives focusing on the population of children under the age of 18 living in the county. The 2022 All4HealthFL Collaborative CHNA process served as an opportunity to begin a joint assessment and focus on children’s’ health. The information below highlights the individual contributions and achievements of partners working specifically with the children’s population in Pinellas County in response to 2019 community health assessments.

### Community Feedback from Preceding CHNA & Implementation Plan

Community Health Needs Assessment reports from 2019 were published on the All4HealthFL website. Additional community comments and feedback were obtained during the 2019 county-level prioritization sessions as well as via email. In post-prioritization evaluations, the community voiced their desire to have more opportunity to process and discuss data and findings from the assessment process before participating in prioritization activities. As a result of this feedback, the six virtual prioritization sessions that were hosted as part of The Collaborative’s 2022 assessment were intentionally designed to create space and opportunity for facilitated discussions around overall assessment findings as well as specific health topics.

## Demographics of Pinellas County

The demographics of a community significantly impact its health profile. Different racial, ethnic, age, and socioeconomic groups may have unique needs and require varied approaches to health improvement efforts. The following section explores the demographic profile of the community residing in Pinellas County.

### Geography and Data Sources

Data are presented in this section at the geographic level of Pinellas County. Comparisons to the county, state, and national value are also provided when available. All demographic estimates are sourced from Claritas Pop-Facts® (2022 population estimates)<sup>1</sup> and American Community Survey<sup>2</sup> one-year (2019) or five-year (2016-2020) estimates unless otherwise indicated.

### Population

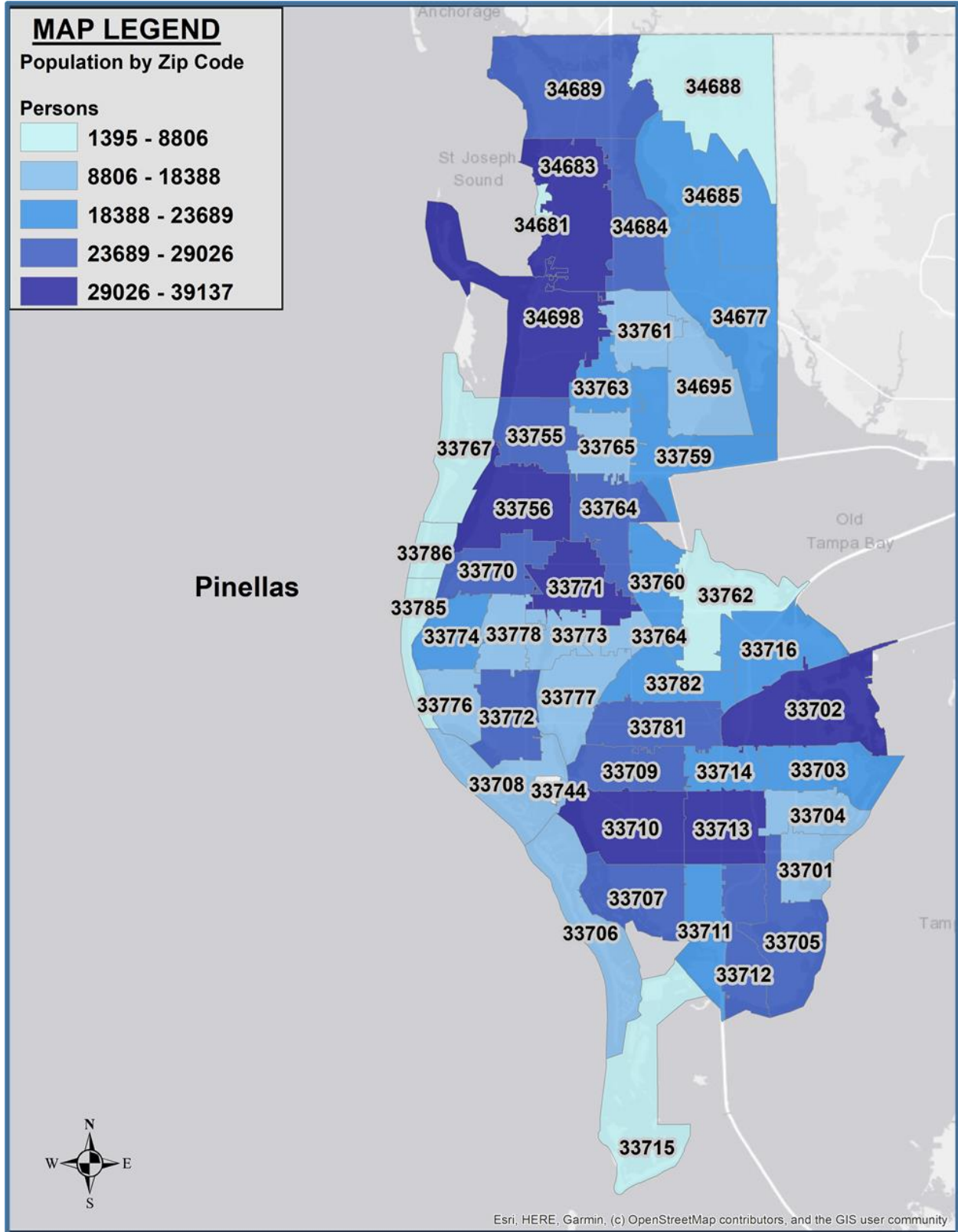
According to the 2022 Clarita’s Pop-Facts® population estimates, Pinellas County has an estimated population of 982,142 persons. Figure 1 shows the population size by each zip code by age under 18 population, with the darkest blue representing the zip codes with the largest population. Appendix A provides the actual population estimates for each zip code. The most populated zip code area within Pinellas County is zip code 33712 (St. Petersburg) with a population of 6,451.

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<sup>1</sup> All4HealthFL online platform. <https://www.all4healthfl.org/demographicdata>

<sup>2</sup> American Community Survey. <https://www.census.gov/programs-surveys/acs>

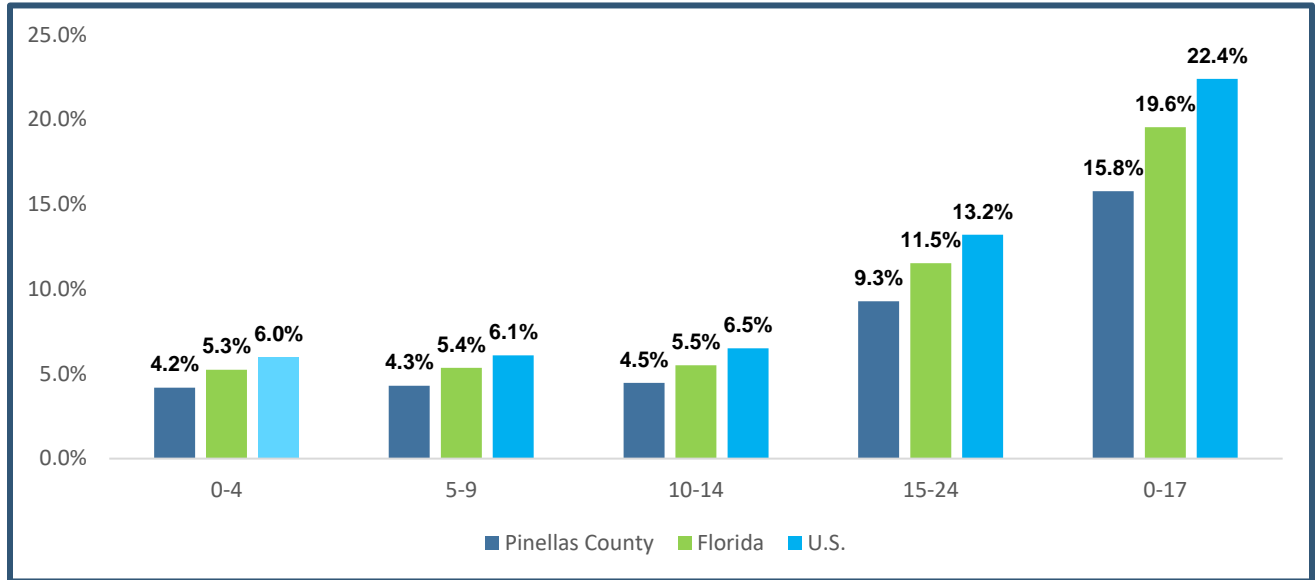
Figure 1: Population by Zip Code by Age Under 18: Pinellas County



## Age

Children (0-17) comprised 15.8% of the population in Pinellas County. When compared to Florida and the U.S., Pinellas County has a lower proportion of children population over all other breakout categories for age as shown in (Figure 2).

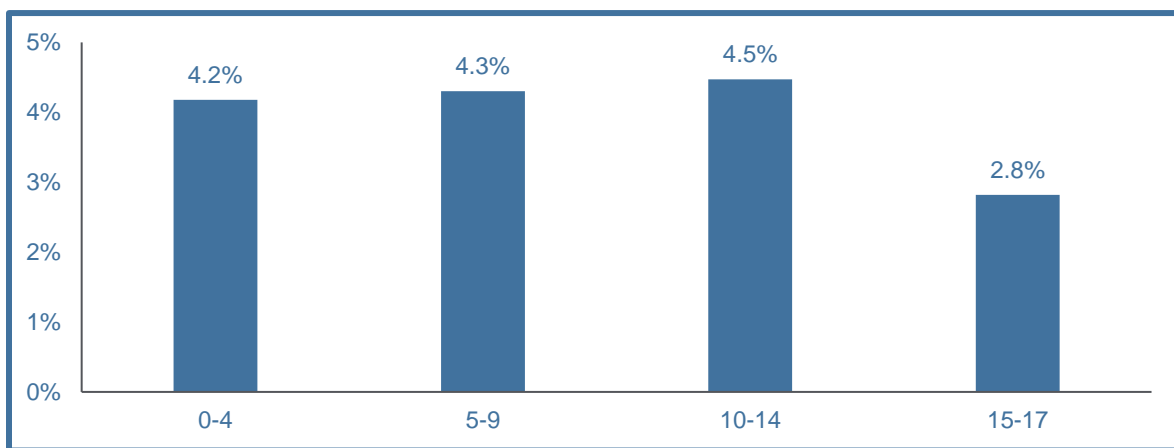
**Figure 2: Population by Age: County, State, and U.S. Comparisons**



\*County and state values- Claritas Pop-Facts® (2022 population estimates), U.S. values taken from American Community Survey five-year (2016-2020) estimate

Figure 3 shows the population of Pinellas County by age group under 18 years.

**Figure 3: Population by Age Under 18: Pinellas County**



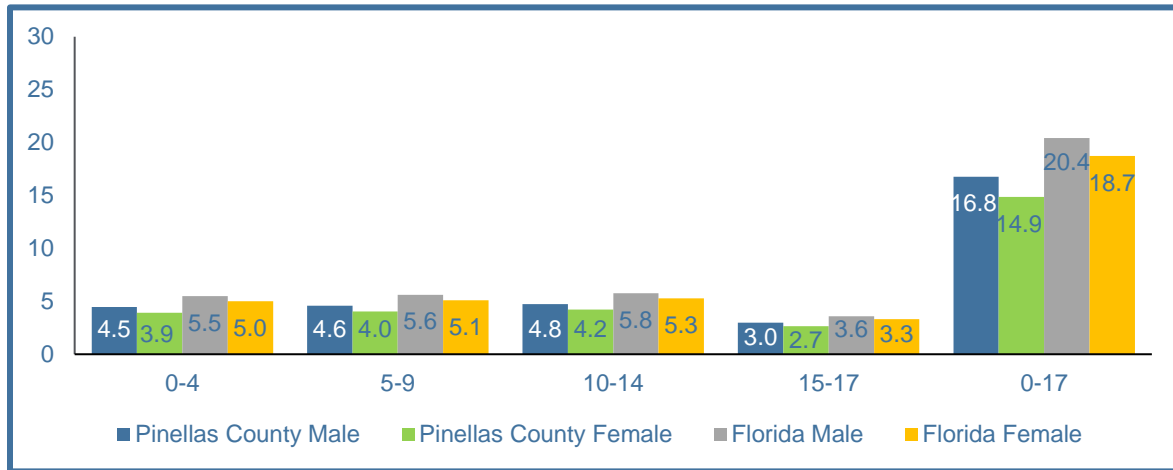
\*County values- Claritas Pop-Facts® (2022 population estimates)

## Sex

Figure 4 shows the children (under 18) population of Pinellas County and Florida by sex. In Pinellas County, males comprise 16.8% of the population, whereas females comprise 14.9% of the

population which is lower in proportion when compared to males (20.4%) and females (18.7%) in Florida.

**Figure 4: Population by Sex Under 18: County, State and U.S. Comparisons**



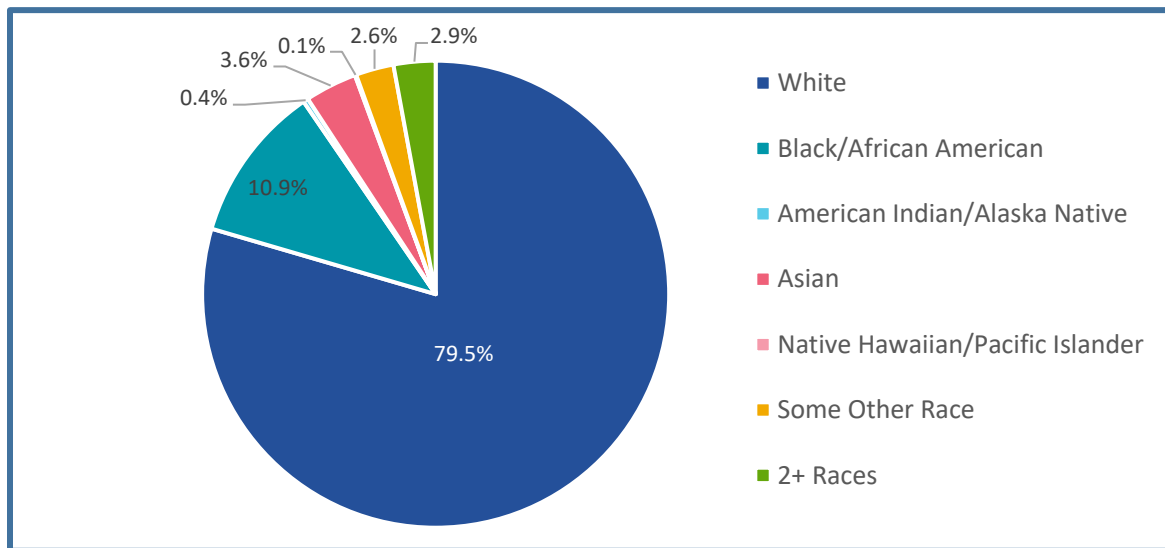
\*County and state values- Claritas Pop-Facts® (2022 population estimates)

## Race and Ethnicity

The racial and ethnic composition of a population is important in planning for future community needs, particularly for schools, businesses, community centers, health care, and childcare. Analysis of health and social determinants of health data by race/ethnicity can also help identify disparities in housing, employment, income, and poverty.

The racial makeup of Pinellas County area shows 79.5% of the population identifying as White, as indicated in Figure 5. The proportion of Black/African American community members is the second largest of all races in Pinellas County at 10.9%.

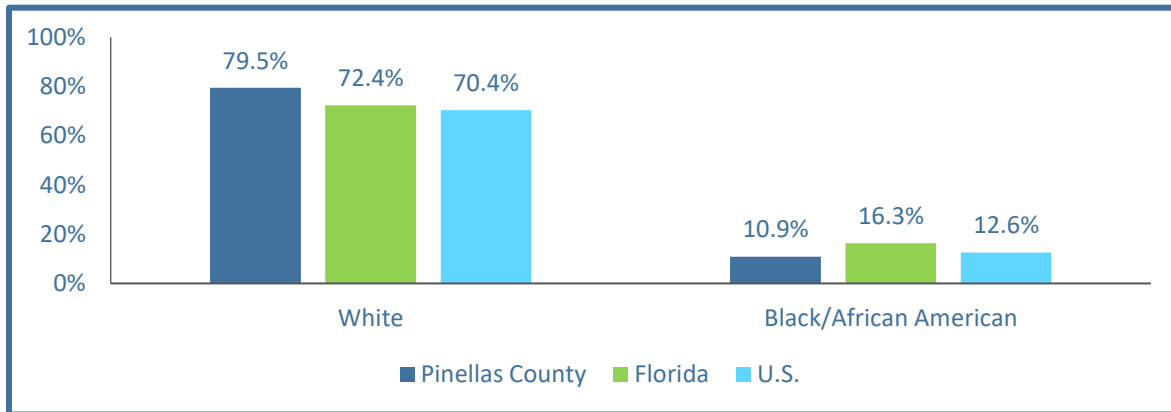
**Figure 5: Population by Race: Pinellas County**



\*County values- Claritas Pop-Facts® (2022 population estimates)

Those community members identifying as White represent a higher proportion of the population in Pinellas County (79.5%) when compared to Florida (72.4%) and the U.S. (70.4%), while Black/African American community members represent a lower proportion of the population in Pinellas County (10.9%) when compared to Florida (16.3%) and the U.S. (12.6%) (Figure 6).

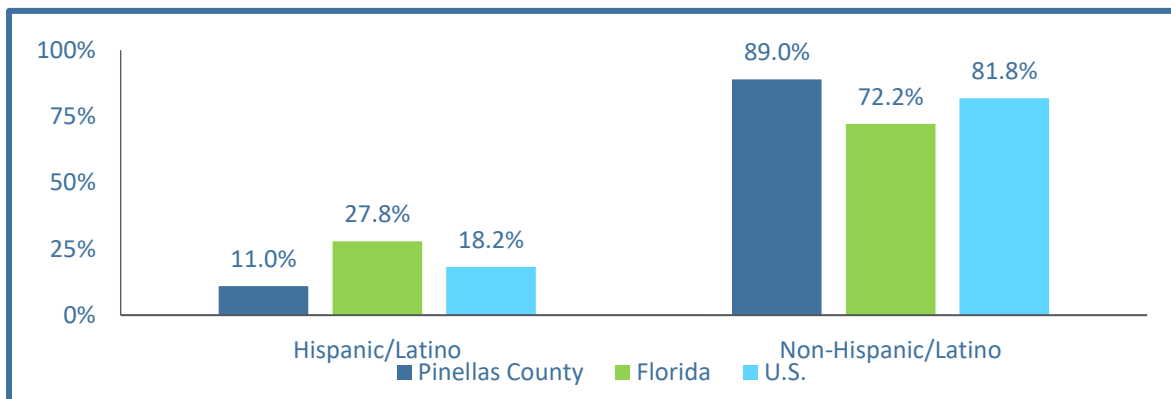
**Figure 6: Population by Race: Pinellas County, State, and U.S. Comparisons**



\*County and state values- Claritas Pop-Facts® (2022 population estimates), U.S. values taken from American Community Survey five-year (2016-2020) estimates

As shown in Figure 7, 11.0% of the population in Pinellas County identify as Hispanic/Latino. This is a smaller proportion of the population when compared to Florida (27.8%) and the U.S. (18.2%)

**Figure 7: Population by Ethnicity: Pinellas County, State, and U.S. Comparisons**



\*County and state values- Claritas Pop-Facts® (2022 population estimates), U.S. values taken from American Community Survey five-year (2016-2020) estimates

## Language and Immigration

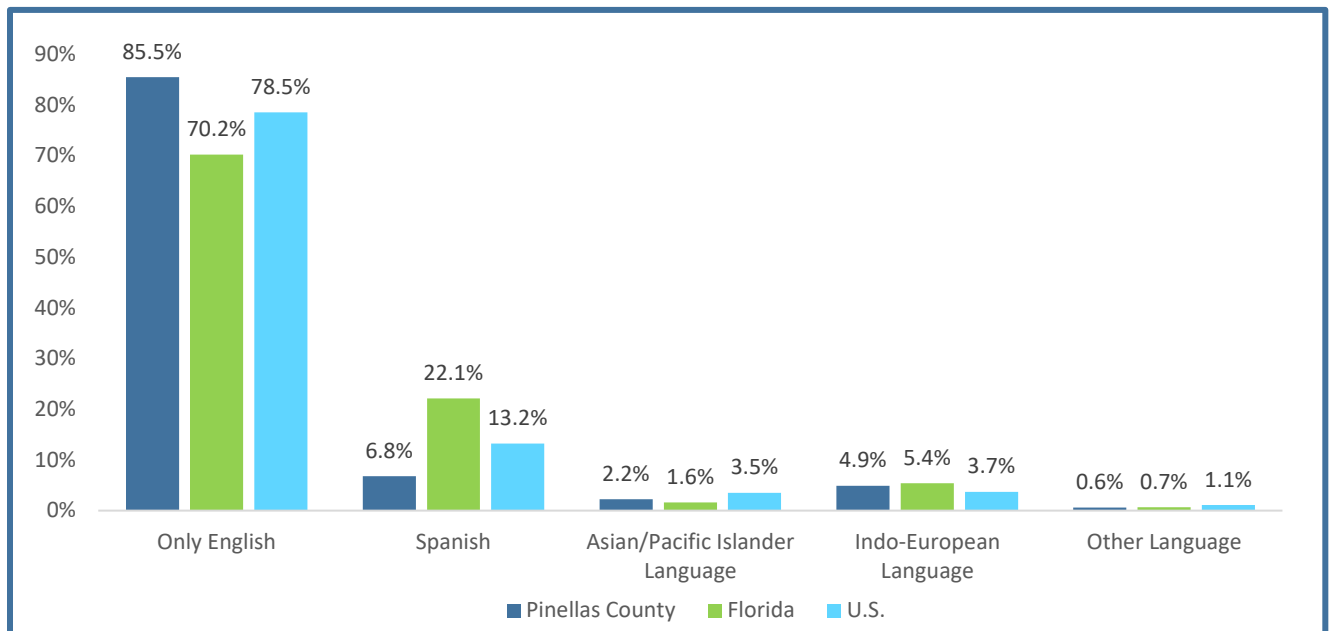
Understanding countries of origin and language spoken at home can help inform the cultural and linguistic context for the health and public health system. According to the American Community Survey, 12% of residents in Pinellas County are born outside the U.S., which is slightly lower than the national value of 13.6%.<sup>3</sup>

In Pinellas County, 85.5% of the population age five and older speak only English at home, which is higher than both the state value of 70.2% and the national value of 78.5% (Figure 8). This data

<sup>3</sup> American Community Survey, 2016-2020

indicates that 6.8% of the population in Pinellas County speak Spanish, and 0.6% speak other than English at home.

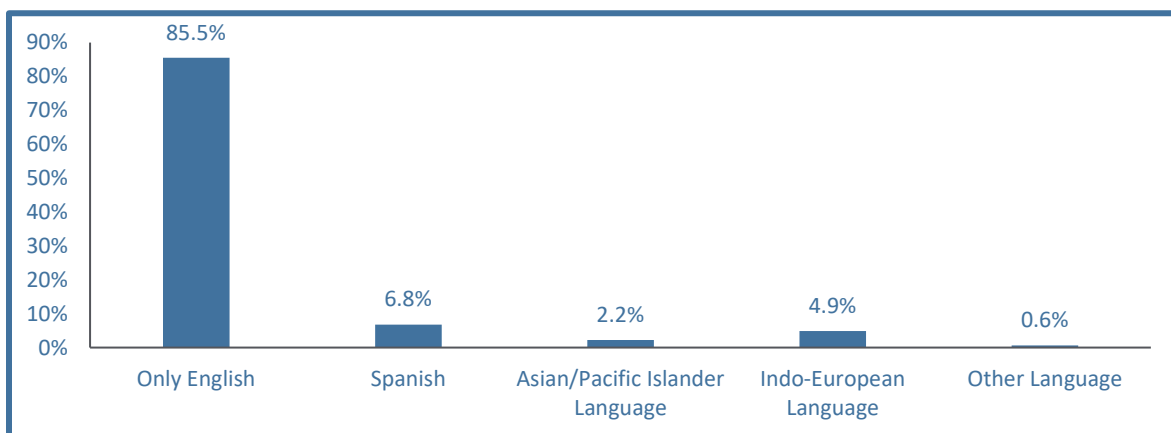
**Figure 8: Population 5+ by Language Spoken at Home: County, State and U.S. Comparisons**



\*County and state values- Claritas Pop-Facts® (2022 population estimates), U.S. values taken from American Community Survey five-year (2016-2020) estimates

The most common languages spoken at home are English (85.5%), Spanish (6.8%), and Indo-European languages - like English, French, Portuguese, Russian, Dutch, and Spanish<sup>4</sup> (4.9%). (Figure X).

**Figure 9: Population 5+ by Language Spoken at Home: Pinellas County**



\*County values- Claritas Pop-Facts® (2022 population estimates)

<sup>4</sup> United States Census Bureau. [About Language Use in the U.S. Population \(census.gov\)](https://www.census.gov/about-language-use-in-the-u-s-population)

# Social & Economic Determinants of Health

This section explores the economic, environmental, and social determinants of health impacting Pinellas County community. Social determinants are the conditions in which people are born, grow, work, live, and age, and the wider set of forces and systems shaping the conditions of daily life. The Social Determinants of Health (SDOH) can be grouped into five domains. Figure 10 shows the Healthy People 2030 Social Determinants of Health domains (Healthy People 2030, 2022).

Figure 10: Healthy People 2030 Social Determinants of Health Domains



## Geography and Data Sources

Data in this section are presented at various geographic levels (zip code and/or county) depending on data availability. When available, comparisons to county, state and/or national values are provided. It should be noted that county level data can sometimes mask what could be going on at the zip code level in many communities. While indicators may be strong when examined at a higher level, zip code level analysis can reveal disparities.

All demographic estimates are sourced from Claritas Pop-Facts® (2022 population estimates) and American Community Survey one-year (2019) or five-year (2016-2020) estimates unless otherwise indicated.

## Income

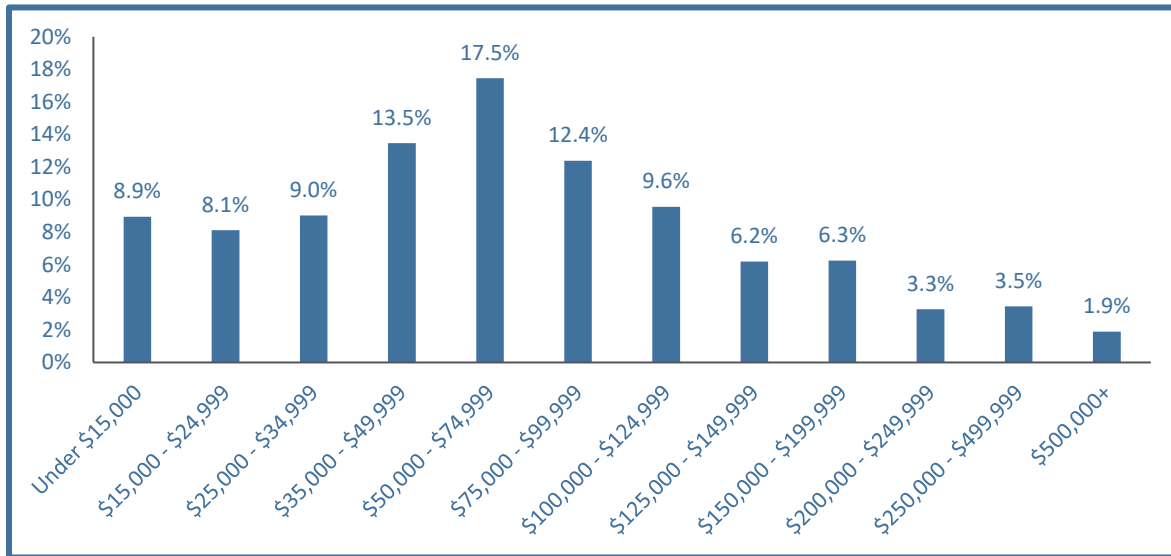
Income has been shown to be strongly associated with morbidity and mortality, influencing health through various clinical, behavioral, social, and environmental factors. Those with greater wealth are more likely to have higher life expectancy and reduced risk of a range of health conditions



including heart disease, diabetes, obesity, and stroke. Poor health can also contribute to reduced income by limiting one’s ability to work.<sup>5</sup>

Figure 11 provides a breakdown of households by income in Pinellas County. A household income of \$50,000 - \$74,999 is shared by the largest proportion of households in Pinellas County (17.5%). Households with an income of less than \$15,000 make up 8.9% of households in Pinellas County.

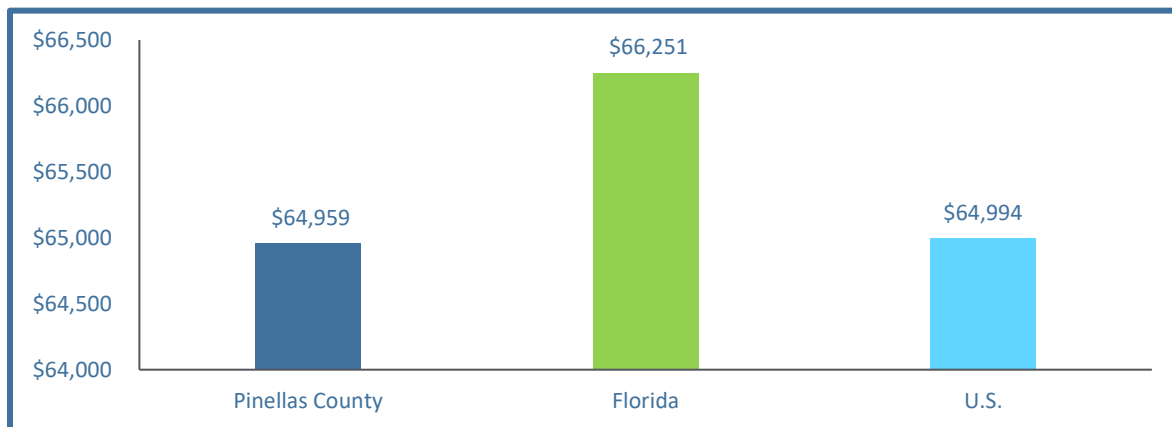
**Figure 11: Households by Income, Pinellas County**



\*County values- Claritas Pop-Facts® (2022 population estimates)

The median household income for Pinellas County is \$64,959, which is lower than the state value of \$66,251 and national value of \$64,994 (Figure 12).

**Figure 12: Median Households by Income: County, State and U.S. Comparisons**

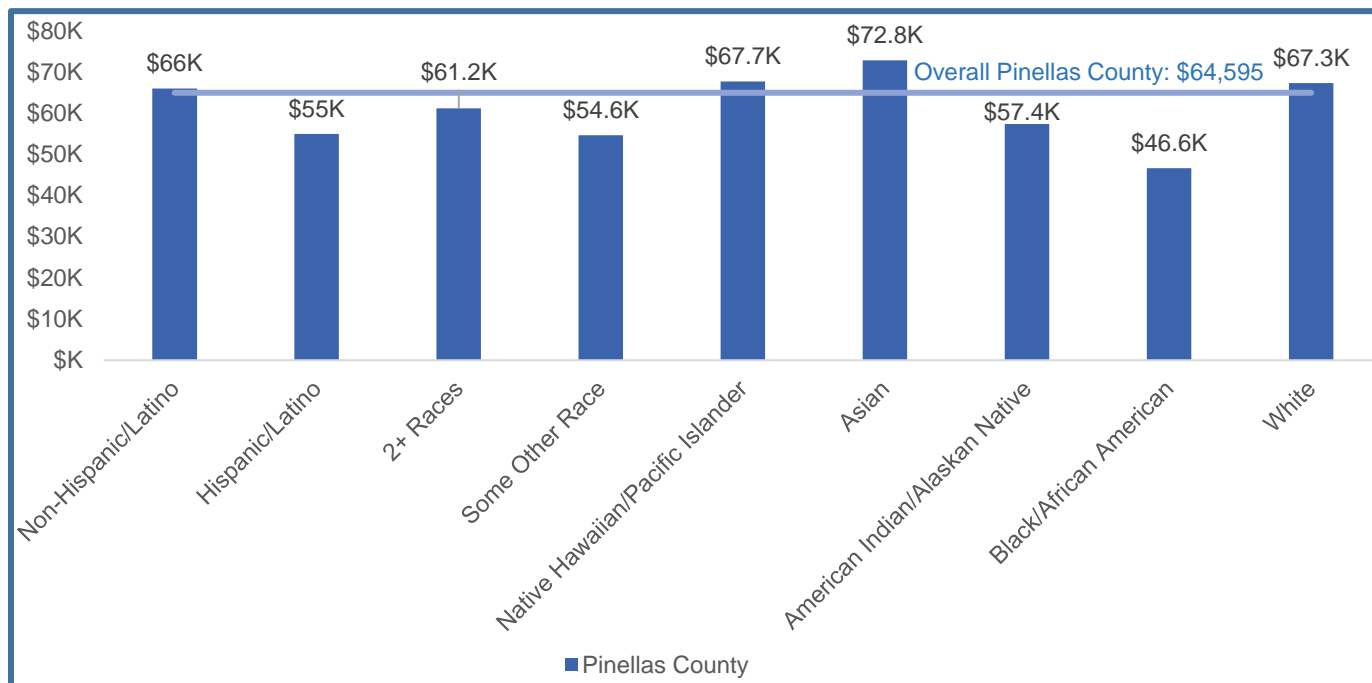


\*County and state values- Claritas Pop-Facts® (2022 population estimates), U.S. values taken from American Community Survey five-year (2016-2020) estimates

Figure 13 shows the median household income by race and ethnicity. Four racial/ethnic groups – White, Asian, Non-Hispanic/Latino, and Native Hawaiian/Pacific Islander – have median household incomes above the overall median value. All other races have incomes below the overall value, with the Black/African American populations having the lowest median household income at \$46,614.

<sup>5</sup> Robert Wood Johnson Foundation. Health, Income, and Poverty. <https://www.rwjf.org/en/library/research/2018/10/health--income-and-poverty-where-we-are-and-what-could-help.html>

Figure 13: Median Households by Income by Race/Ethnicity, Pinellas County



\*County values- Claritas Pop-Facts® (2022 population estimates)

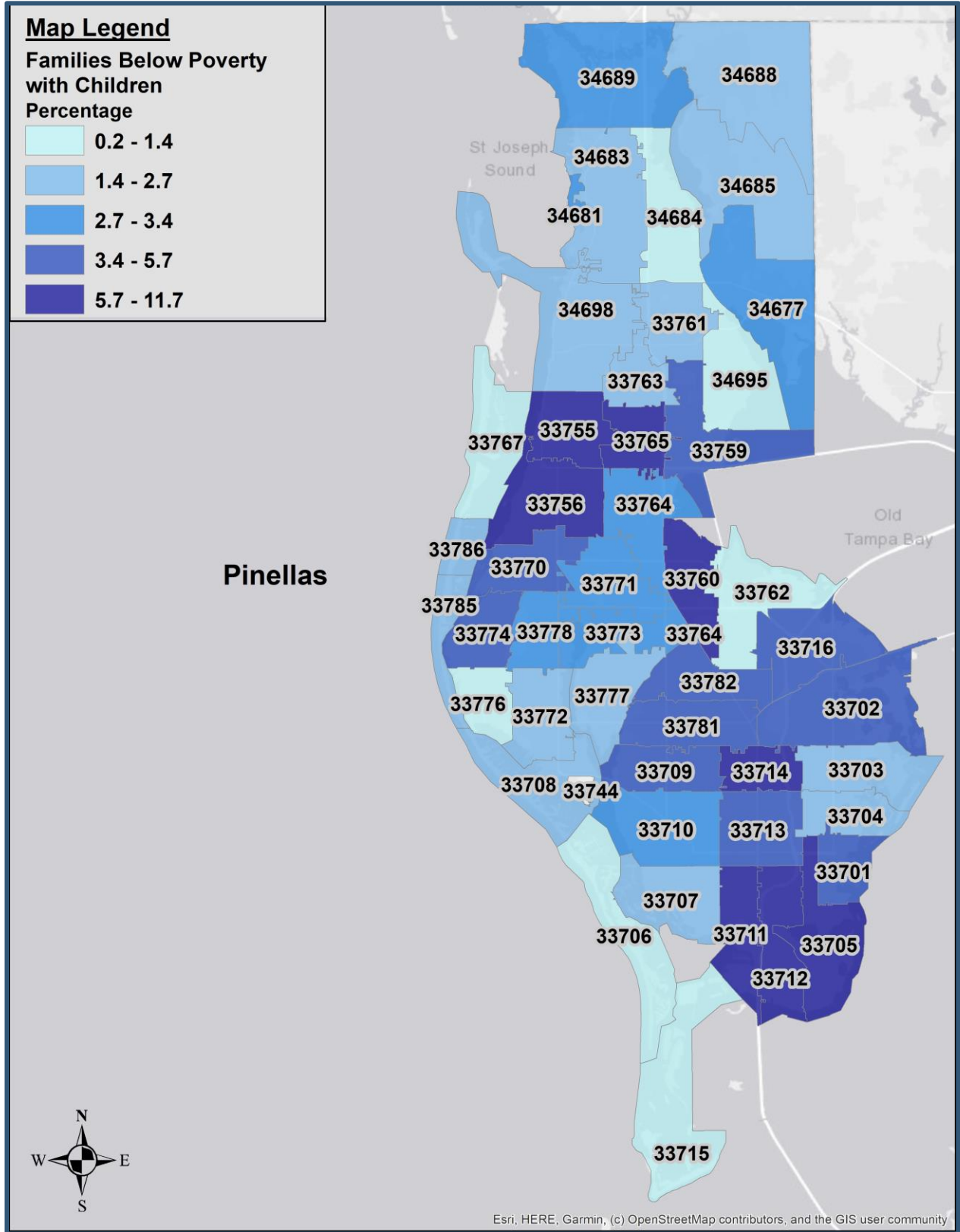
## Poverty

Federal poverty thresholds are set every year by the Census Bureau and vary by size of family and ages of family members. People living in poverty are less likely to have access to health care, healthy food, stable housing, and opportunities for physical activity. These disparities mean people living in poverty are more likely to experience poorer health outcomes and premature death from preventable diseases.<sup>6</sup>

Figure 14 shows the percentage of families living below the poverty with children by zip code. The darker blue colors represent a higher percentage of families living below the poverty level, with zip codes 33755 (Clearwater) and 33712 (St. Petersburg) having the highest percentages at 11.7% and 10.2%, respectively. Overall, 4.1% of families in Pinellas County live below the poverty level with children, which is lower than both the state value of 6.2% and the national value of 14.3%. The percentage of families living below poverty with children for each zip code in Pinellas County is provided in Appendix A.

<sup>6</sup> U.S. Department of Health and Human Services, Healthy People 2030. <https://health.gov/healthypeople/objectives-and-data/browse-objectives/economic-stability/reduce-proportion-people-living-poverty-sdoh-01>

Figure 14: Families Living Below Poverty with Children: Pinellas County



## Employment

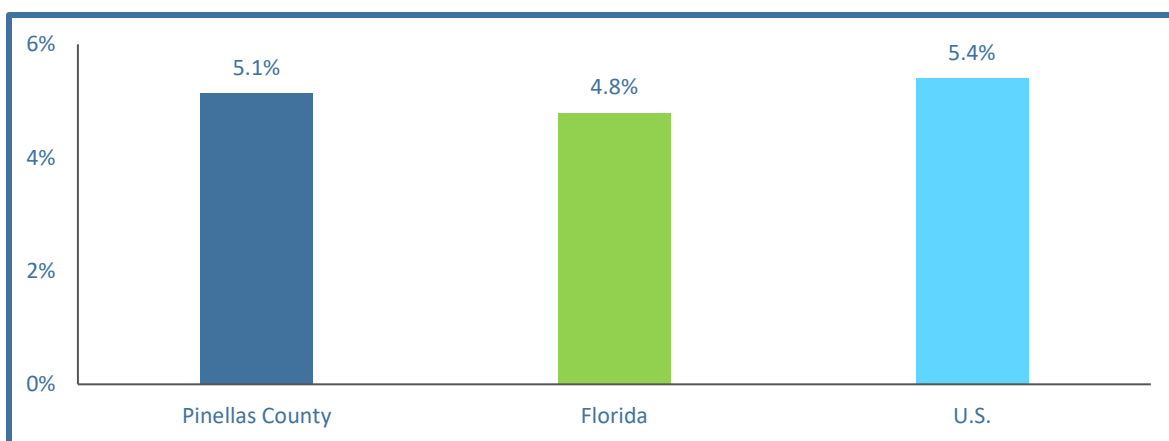
A community's employment rate is a key indicator of the local economy. An individual's type and level of employment impacts access to health care, work environment, health behaviors and health outcomes. Stable employment can help provide benefits and conditions for maintaining good health. In contrast, poor or unstable work and working conditions are linked to poor physical and mental health outcomes.<sup>7</sup>

Unemployment and underemployment can limit access to health insurance coverage and preventive care services. Underemployment is described as involuntary part-time employment, poverty-wage employment, and insecure employment.<sup>7</sup>

Type of employment and working conditions can also have significant impacts on health. Work-related stress, injury, and exposure to harmful chemicals are examples of ways employment can lead to poorer health.<sup>7</sup>

Figure 15 shows the population aged 16 and over who are unemployed. The unemployment rate for Pinellas County is 5.1%, which is higher than the state value of 4.8% and lower than the national value of 5.4%.

Figure 15: Population 16+ Unemployed



## Education

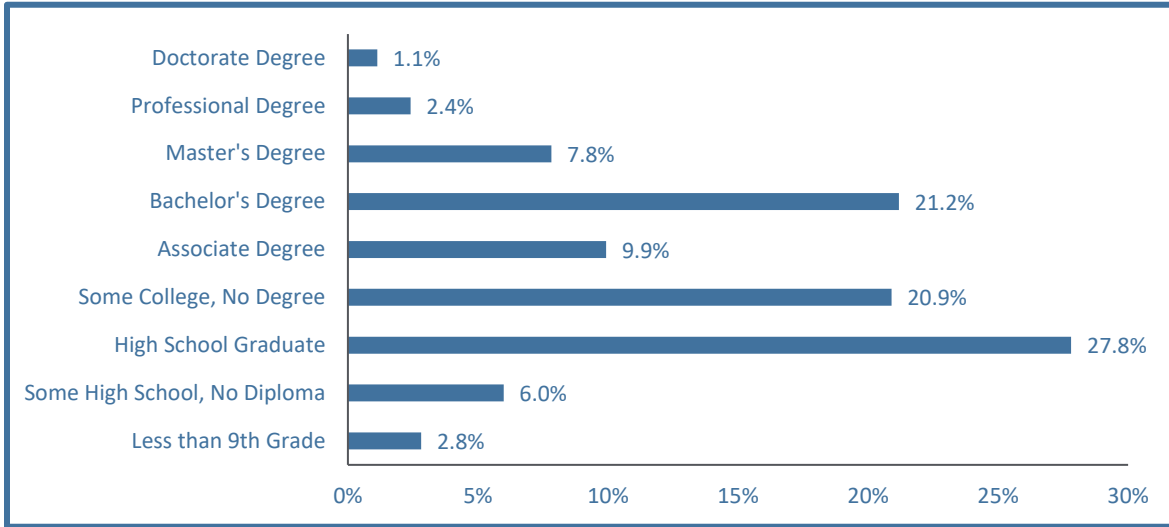
Education is an important indicator for health and wellbeing. Education can lead to improved health by increasing health knowledge, providing better job opportunities and higher income, and improving social and psychological factors linked to health. People with higher levels of education are likely to live longer, to experience better health outcomes, and practice health-promoting behaviors.<sup>8</sup>

Figure 16 shows the percentage of the population 25 years or older by educational attainment.

<sup>7</sup> U.S. Department of Health and Human Services, Healthy People 2030. <https://health.gov/healthypeople/objectives-and-data/social-determinants-health/literature-summaries/employment>

<sup>8</sup> Robert Wood Johnson Foundation, Education and Health. <https://www.rwjf.org/en/library/research/2011/05/education-matters-for-health.html>

**Figure 16: Population 25+ by Educational Attainment, Pinellas County**

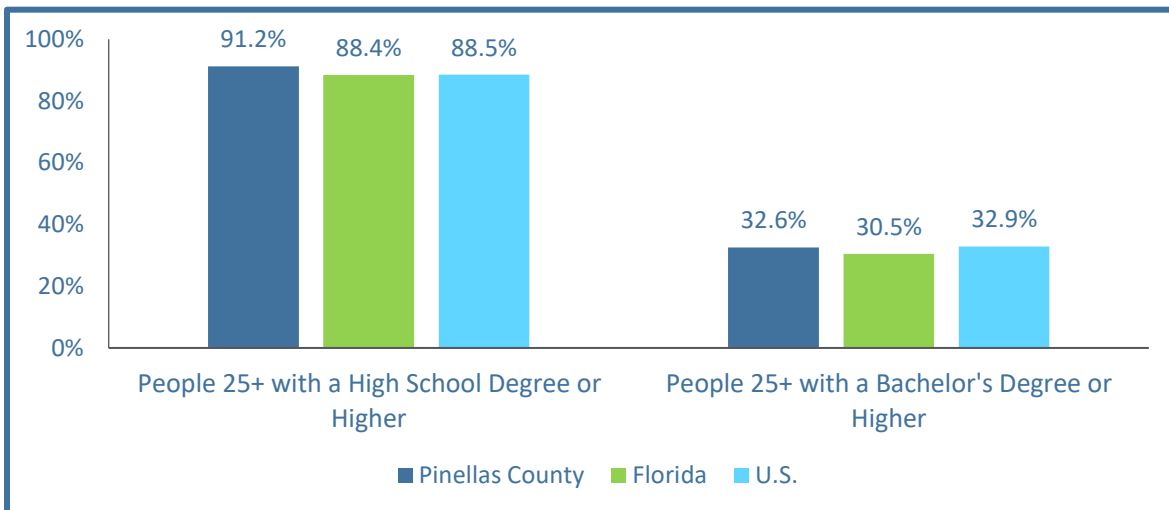


\*County values- Claritas Pop-Facts® (2022 population estimates)

Another indicator related to education is on-time high school graduation. A high school diploma is a requirement for many employment opportunities and for higher education. Not graduating high school is linked to a variety of negative health impacts, including limited employment prospects, low wages, and poverty.<sup>9</sup>

Figure 17 shows that Pinellas County has a higher percentage of residents with a high school degree or higher when compared to state and nation. However, Pinellas County has slightly lower percentage of residents with a bachelor's degree or higher when compared to nation. There is also a higher percentage of residents with a bachelor's degree in Pinellas County compared to the state.

**Figure 17: Population 25+ by Educational Attainment, FL, and U.S. Comparisons**



\*County and state values- Claritas Pop-Facts® (2022 population estimates), U.S. values taken from American Community Survey five-year (2016-2020) estimates

<sup>9</sup> U.S. Department of Health and Human Services, Healthy People 2030. <https://health.gov/healthypeople/objectives-and-data/social-determinants-health/literature-summaries/high-school-graduation>

Examining academic achievement reveals that Pinellas County students performed in the lowest quartile of Florida counties in math proficiency in 8<sup>th</sup> graders (Table 1).

**Table 1: Math and Reading Proficiency among 4th and 8th Grade Students in Pinellas County, 2021**

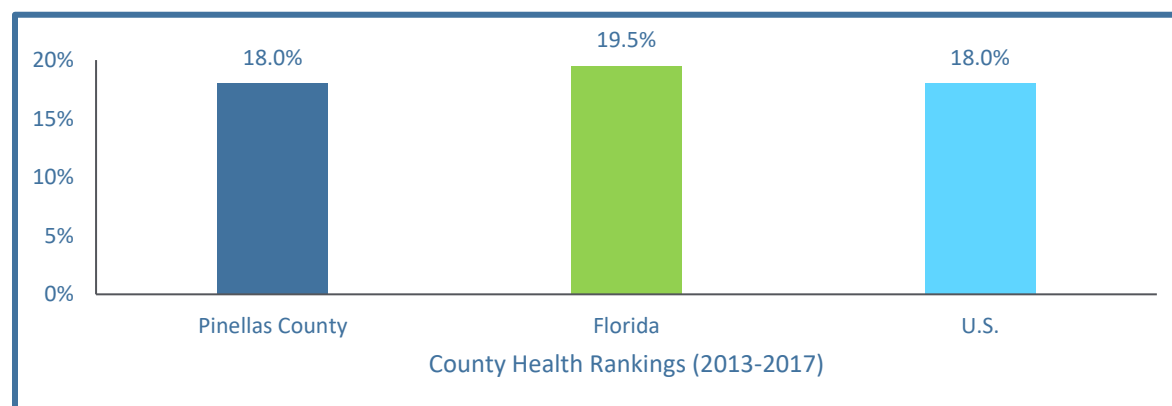
Proficiency Grade	Pinellas County	Florida Average
4th Grade Students Proficient in Math	61%	53%
8th Grade Students Proficient in Math	28%	37%
4th Grade Students Proficient in Reading	55%	52%
8th Grade Students Proficient in Reading	50%	52%

## Housing

Safe, stable, and affordable housing provides a critical foundation for health and wellbeing. Exposure to health hazards and toxins in the home can cause significant damage to an individual or family’s health.<sup>10</sup>

Figure 18 shows the percentage of houses with severe housing problems. This indicator measures the percentage of households with at least one of the following problems: overcrowding, high housing costs, lack of kitchen, or lack of plumbing facilities. In Pinellas County, 18.0% of households were found to have at least one of those problems, which is lower than the state value (19.5%), but the same as the national value (18.0%).

**Figure 18: Population 25+ by Educational Attainment, FL, and U.S. Comparisons**



\*County, State, and U.S. values taken from County Health Rankings (2013-2017)

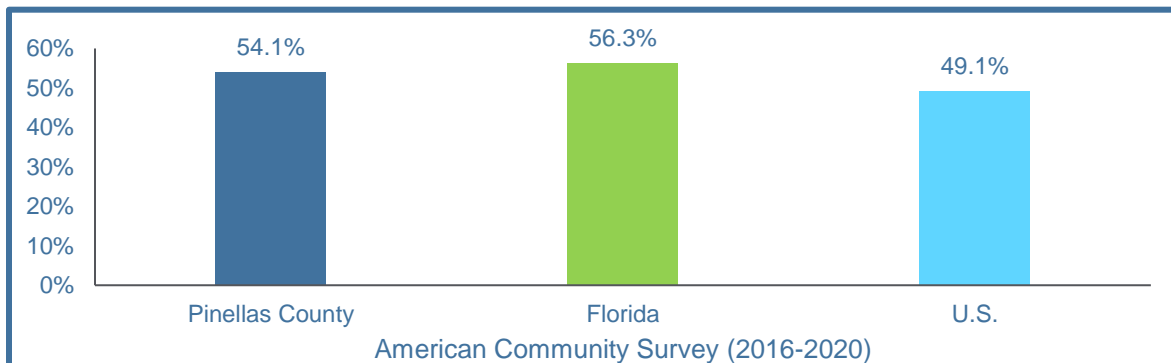
When families must spend a large portion of their income on housing, they may not have enough money to pay for things like healthy foods or health care. This is linked to increased stress, mental health problems, and an increased risk of disease.<sup>11</sup>

<sup>10</sup> County Health Rankings, Housing and Transit. <https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/physical-environment/housing-and-transit>

<sup>11</sup> U.S. Department of Health and Human Services, Healthy People 2030. <https://health.gov/healthypeople/objectives-and-data/browse-objectives/housing-and-homes/reduce-proportion-families-spend-more-30-percent-income-housing-sdoh-04>

Figure 19 shows the percentage of renters who are spending 30% or more of their household income on rent. The value in Pinellas County, 54.1%, is higher than the national value (49.1%), and lower than the state value (56.3%).

**Figure 19: Renters Spending 30% or More of Household Income on Rent**



\*County, State, and U.S. values taken from American Community Survey five-year (2016-2020) estimates

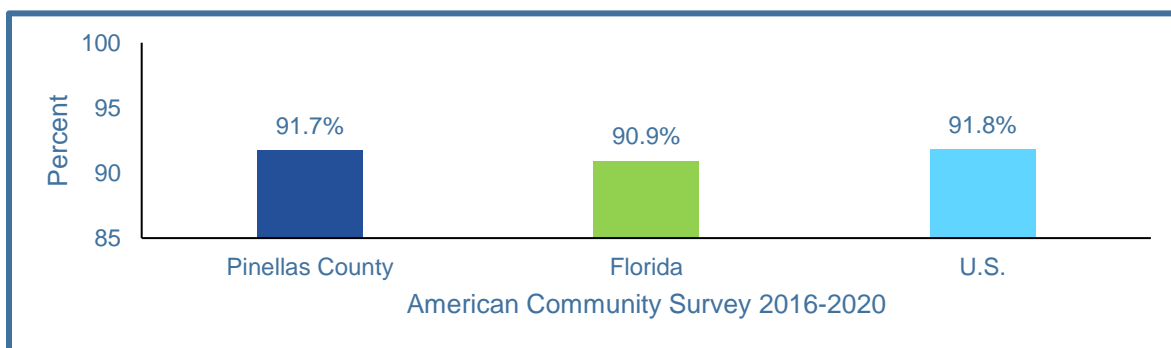
## Neighborhood and Built Environment

Internet access is essential for basic health care access, including making appointments with providers, getting test results, and accessing medical records. Access to the internet is also increasingly essential for obtaining home-based telemedicine services, especially during Covid-19 pandemic placing isolation and social distancing laws in place.<sup>12</sup>

Internet access may also help individuals seek employment opportunities, conduct remote work, and participate in online educational activities.<sup>12</sup>

Figure 20 shows the percentage of households that have an internet subscription for under 18 population. The rate in Pinellas County, 91.7%, is higher than the state value (90.9%), but slightly lower than the national value (91.8%).

**Figure 20: Households with an Internet Subscription (under 18): County, State and U.S. Comparisons**



\*County, State, and U.S. values taken from American Community Survey five-year (2016-2020) estimates

<sup>12</sup> U.S. Department of Health and Human Services, Healthy People 2030. <https://health.gov/healthypeople/objectives-and-data/browse-objectives/neighborhood-and-built-environment/increase-proportion-adults-broadband-internet-hchit-05>



# Disparities and Health Equity

Identifying disparities by population groups and geography helps to inform and focus priorities and strategies. Understanding disparities also helps us better understand root causes that impact health in a community and inform action towards health equity.

## Health Equity

Health equity focuses on the fair distribution of health determinants, outcomes, and resources across communities.<sup>13</sup> National trends have shown that systemic racism, poverty, and gender discrimination have led to poorer health outcomes for groups such as Black/African American persons, Hispanic/Latino persons, Indigenous persons, people with incomes below the federal poverty level, and LGBTQ+ communities.

## Race, Ethnicity, Age & Gender Disparities

Primary and secondary data revealed significant community health disparities by race, ethnicity, gender, and age. It is important to note that while much of the data is presented to show differences and disparities of data by population groups. For instance, Asian or Asian and Pacific Islander persons encompasses individuals from over 40 different countries with very different languages, cultures, and histories in the U.S. Information and themes captured through key informant interviews, a focus group discussion, and an online community survey have been shared to provide a more comprehensive and nuanced understanding of each community's experiences.

## Secondary Data

Community health disparities were assessed in the secondary data using the Index of Disparity<sup>14</sup> analysis, which identifies disparities based on how far each subgroup (by race, ethnicity, or gender) is from the overall county value. For more detailed methodology related to the Index of Disparity, see Appendix B.

Table 2 below identifies secondary data indicators with a statistically significant race, ethnicity, or gender disparity for Pinellas County, based on the Index of Disparity.

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<sup>13</sup> Klein R, Huang D. Defining and measuring disparities, inequities, and inequalities in the Healthy People initiative. National Center for Health Statistics. Center for Disease Control and Prevention. [https://www.cdc.gov/nchs/ppt/nchs2010/41\\_klein.pdf](https://www.cdc.gov/nchs/ppt/nchs2010/41_klein.pdf)

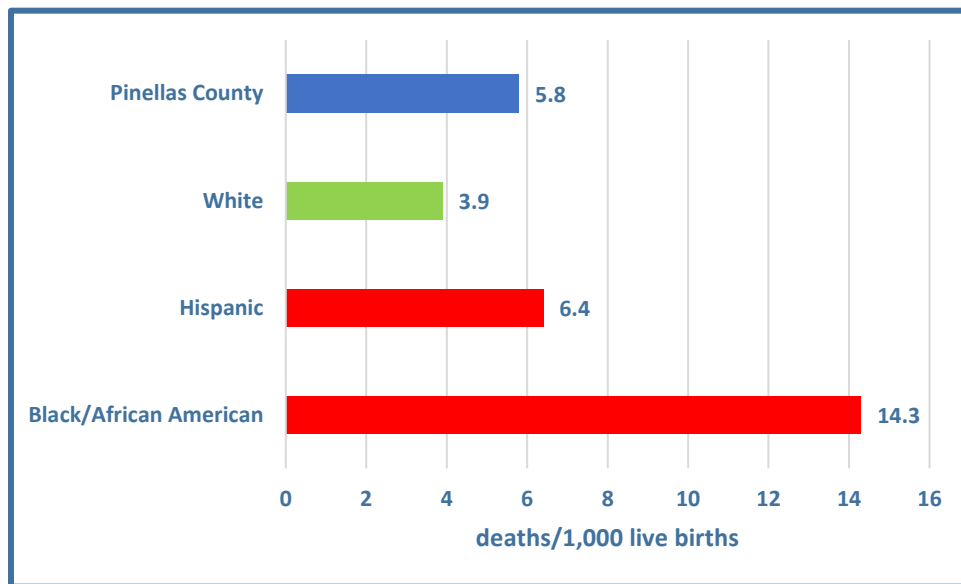
<sup>14</sup> Pearcy, J. & Keppel, K. (2002). A Summary Measure of Health Disparity. Public Health Reports, 117, 273-280.

**Table 2: Indicators with Significant Race, Ethnicity or Gender Disparities**

<b>Health Indicator</b>	<b>Group Negatively Impacted</b>
<b>Families Living Below Poverty Level</b>	Black/African American, American Indian / Alaska Native, Multiple Races, Other Race, Hispanic / Latino
<b>HIV Incidence Rate</b>	Black/African American, Hispanic / Latino, Male
<b>Infant Mortality Rate</b>	Black/African American, Hispanic / Latino
<b>Teen Birth Rate: 15-19</b>	Black/African American, Hispanic / Latino

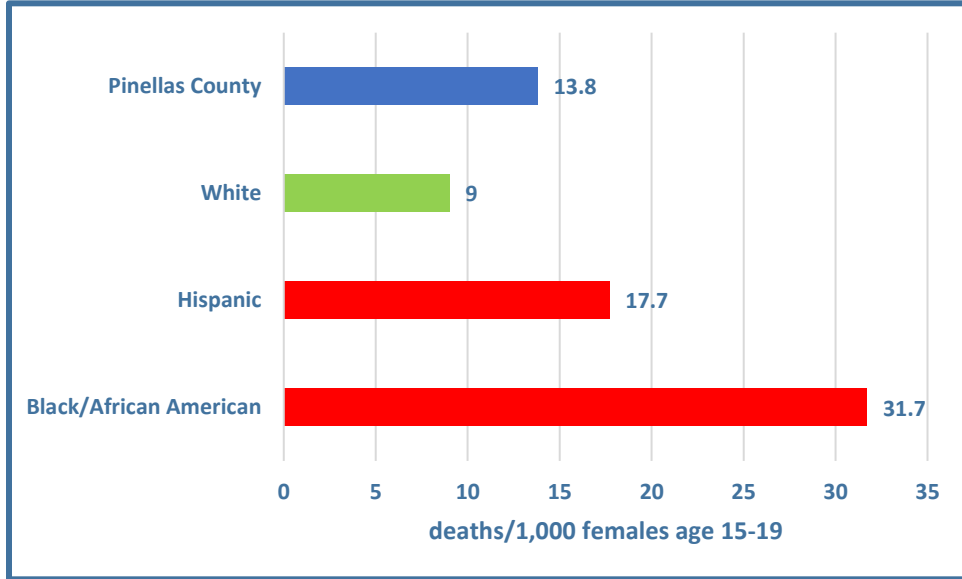
The Index of Disparity analysis for Pinellas County reveals that the Black-African American and Latino/Hispanic populations are disproportionately impacted in Infant Mortality Rate (Figure 21) and Teen Birth Rate: 15-19 (Figure X). Furthermore, HIV Incidence Rates are seen higher in male, Black/African American, and Hispanic/Latinos (Figure X). The graphs below showcasing disparities by race and ethnicity, blue bar is showing the overall Pinellas County value, green bars means the particular race/ethnic group is doing better and red bar is showing the disparity comparing to the overall county value and within all race/ethnicity.

**Figure 21: Infant Mortality Rate by Race/Ethnicity**



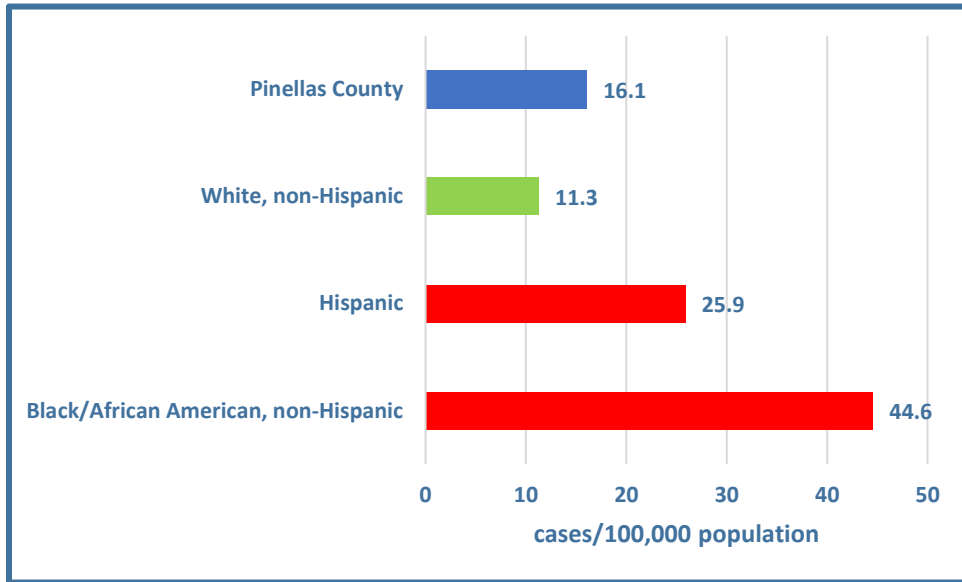
\*Florida Department of Health, Bureau of Vital Statistics, 2020

Figure 22: Teen Birth Rate: 15-19 by Race/Ethnicity



\*Florida Department of Health, Bureau of Vital Statistics, 2020

Figure 23: Teen Birth Rate: 15-19 by Race/Ethnicity



\*Florida Department of Health, Bureau of Vital Statistics, 2020

Multiple racial and ethnic groups are disproportionately impacted across various measures of poverty, which is often associated with poorer health outcomes that include Families Living Below Poverty indicator (Appendix A).

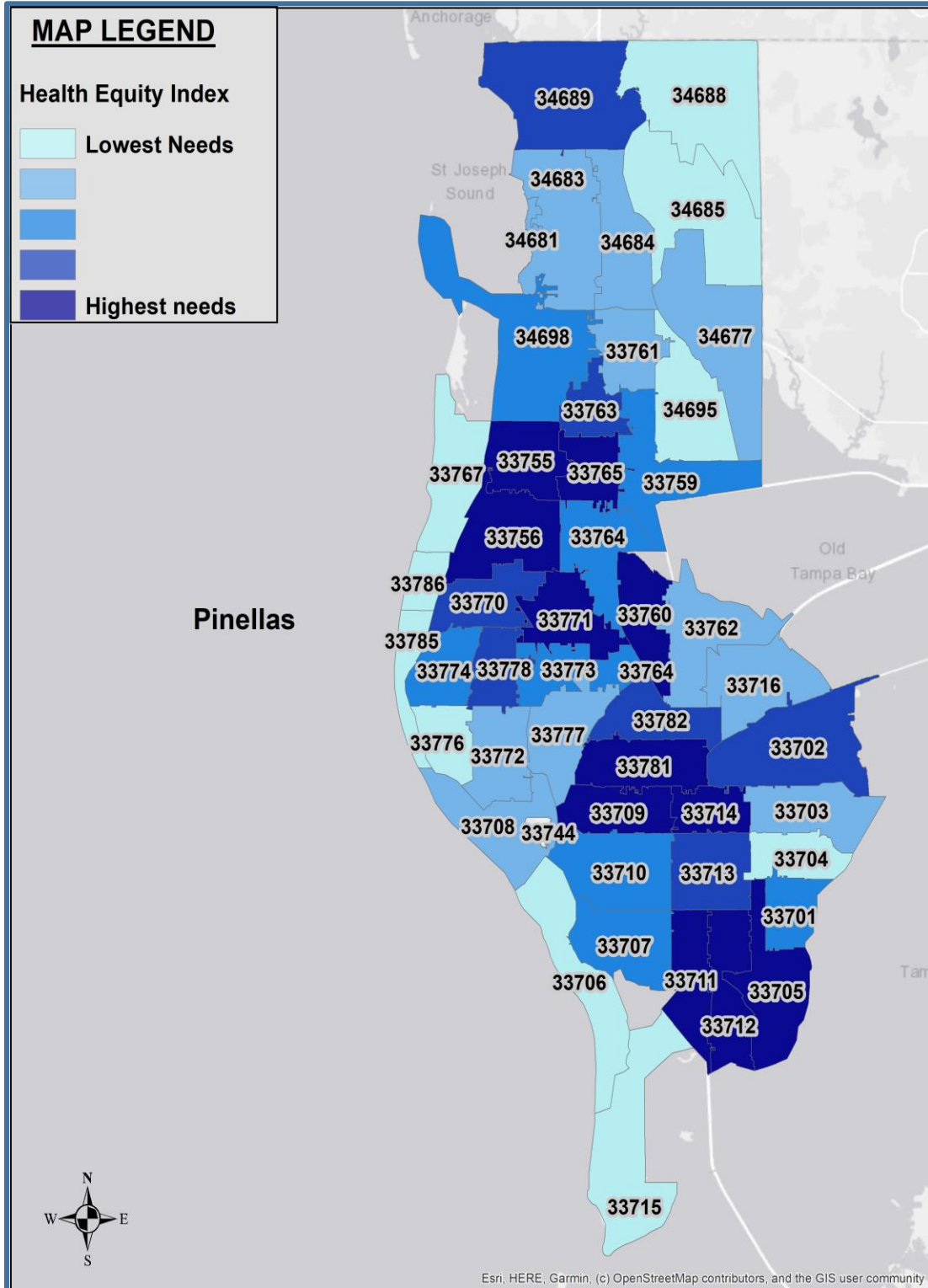
## Geographic Disparities

In addition to disparities by race, ethnicity, gender, and age, this assessment also identified specific zip codes/municipalities with differences in outcomes related to health and social determinants of health. Geographic disparities were identified using the Health Equity Index, Food Insecurity Index and Mental Health Index. These indices have been developed by Conduent Healthy Communities Institute to easily identify areas of high socioeconomic need, food insecurity and mental health. The Health Equity Index estimates areas of highest socioeconomic need correlated with poor health outcomes. The Food Insecurity Index estimates areas of low food accessibility correlated with social and economic hardship. The Mental Health Index (MHI) is a measure of socioeconomic and health factors correlated with self-reported poor mental health. For all indices, counties, zip codes, and census tracts with a population over 300 are assigned index values ranging from 0 to 100, with higher values indicating greater need. Understanding where there are communities with higher need is critical to targeting prevention and outreach activities.

### Health Equity Index

Conduent's Health Equity Index estimates areas of high socioeconomic need, which are correlated with poor health outcomes. Zip codes are ranked based on their index value to identify relative levels of need, as illustrated by the map in Figure 24. The following zip codes in Pinellas County had the highest level of socioeconomic need (as indicated by the darkest shades of blue): 33714 (St. Petersburg) and 33711 (St. Petersburg) with index values of 85.4 and 74.9, respectively. Appendix A provides the index values for each zip code.

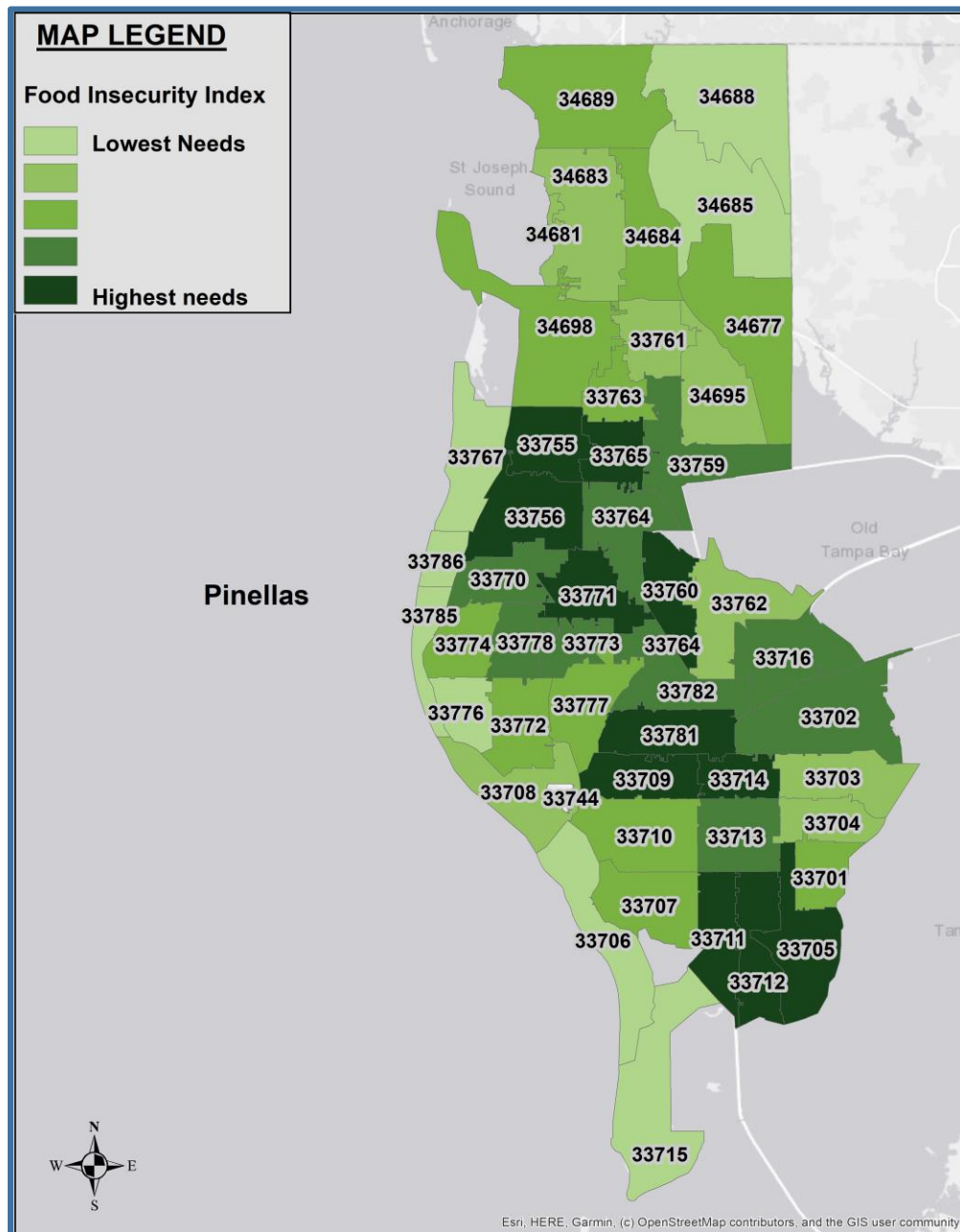
Figure 24: Health Equity Index



## Food Insecurity Index

Conduent's Food Insecurity Index estimates areas of low food accessibility correlated with social and economic hardship. Zip codes are ranked based on their index value to identify relative levels of need, as illustrated by the map in Figure 25. The following zip codes had the highest level of food insecurity (as indicated by the darkest shades of green): 33712 (St. Petersburg) and 33755 (Clearwater) with index values of 89.7 and 81.9, respectively. Appendix A provides the index values for each zip code.

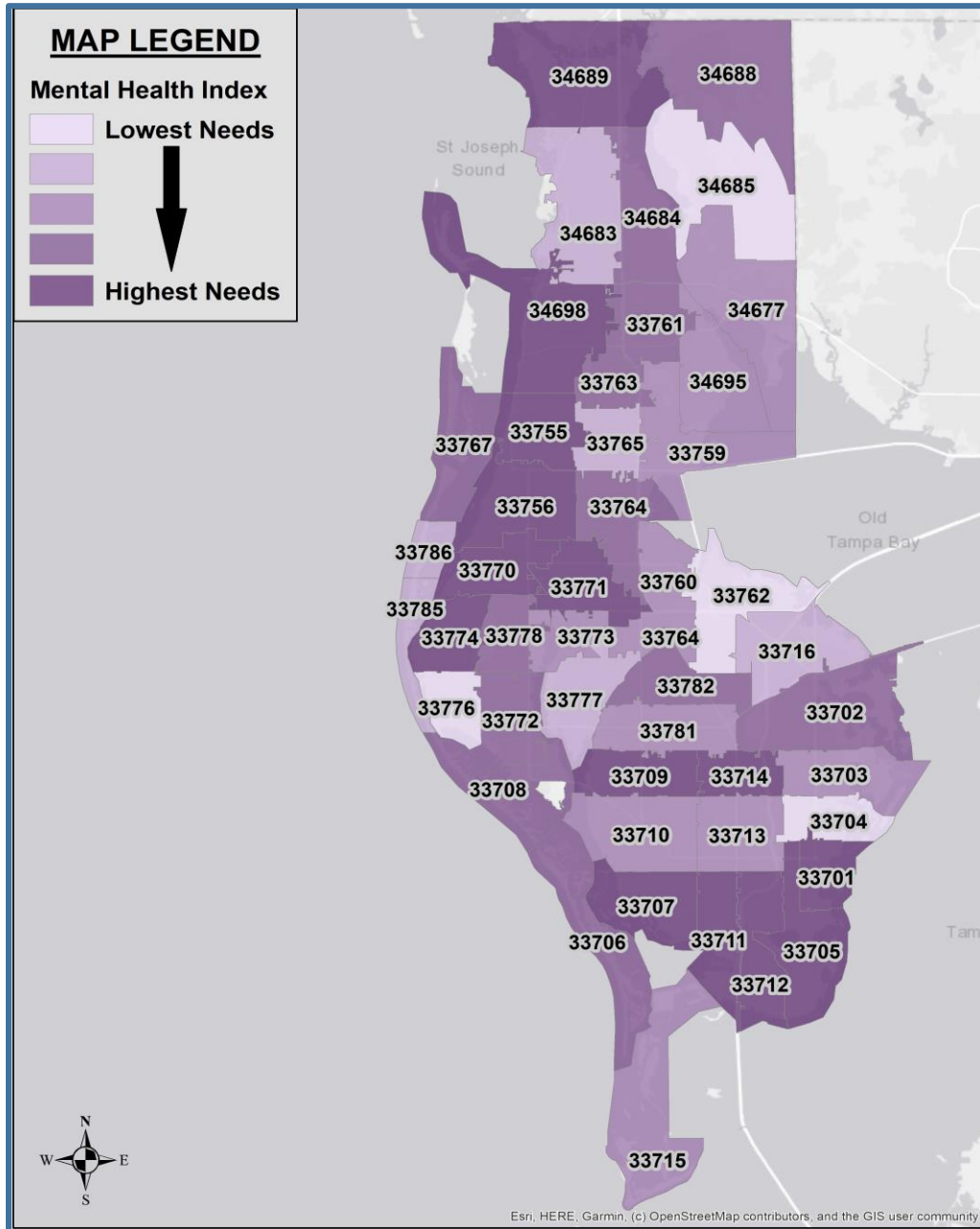
Figure 25: Food Insecurity Index



## Mental Health Index

Conduent's Mental Health Index (MHI) is a measure of socioeconomic and health factors correlated with self-reported poor mental health. Based on the MHI, in 2021, zip codes are ranked based on their index value to identify the relative levels of need, as illustrated by the map in Figure 26. The following two zip codes are estimated to have the highest need (as indicated by the darkest shades of purple): 33711 and 33712 (St. Petersburg). Appendix A provides the index values for high needs zip codes.

Figure 26: Mental Health Index





# Methodology

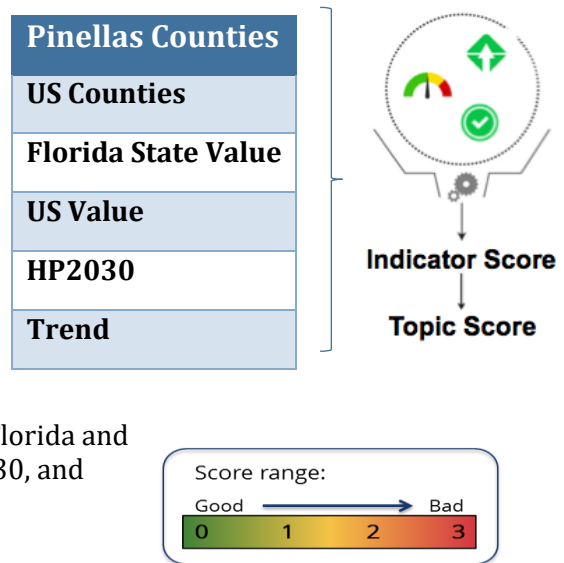
## Overview

Primary and secondary data were collected and analyzed to complete the 2022 CHNA. Primary data consisted of focus group discussions and a community survey. The secondary data included indicators of health outcomes, health behaviors and social determinants of health. The methods used to analyze each type of data are outlined below. The findings from each data source were then synthesized and organized by health topic to present a comprehensive overview of health needs in Pinellas County children.

## Secondary Data Sources & Analysis

Secondary data used for this assessment were collected and analyzed with the All4HealthFL Community Dashboard developed by Conduent Healthy Communities Institute (HCI). The Community Dashboard includes over 150 community indicators, spanning at least 24 topics in the areas of health, determinants of health, and quality of life. The data are primarily derived from state and national public secondary data sources. HCI’s Data Scoring Tool® was used to systematically summarize multiple comparisons across the Community Dashboard in order to rank indicators based on highest need. For each indicator, Pinellas County value was compared to a distribution of Florida and US counties, state and national values, Healthy People 2030, and significant trends (Figure 27).

Figure 27: Secondary Data Scoring



Indicators are rolled up into health and quality of life topic areas, then ranked. Availability of each type of comparison varies by indicator and is dependent upon the data source, comparability with data collected from other communities, and changes in methodology over time.

Table 3: Secondary Data Topic Scoring Results

The analysis of national, state, and local indicators that contributed to the CHNA can be viewed in full in Appendix A. Table 3 shows the health and quality of life topic scoring results for Pinellas County with a focus on children’s population. Sexually Transmitted Infections scored as the poorest performing topic area with a score of 1.71, followed by Immunizations & Infectious Diseases with a score of 1.59. Topics that received a score of 1.40 or higher were considered a significant health need. Four topics scored at or above the threshold. Topic areas with fewer than three indicators were considered a data gap. Data gaps were specifically assessed as a part of the community survey and focus groups to ensure that, where the secondary data fell short, primary data could provide a more accurate picture of that particular health topic area.

Health Topic	Score
Sexually Transmitted Infections	1.71
Immunizations & Infectious Diseases	1.59
Mental Health & Mental Disorders	1.51
Children's Health	1.47
Tobacco Use	1.33
Adolescent Health	1.26
Respiratory Diseases	1.26
Alcohol & Drug Use	1.12
Physical Activity	1.09
Maternal, Fetal & Infant Health	1.07
Diabetes	1.07

## Primary Data Collection & Analysis

To ensure the perspectives of children and families were considered, input was collected from Pinellas County residents. Primary data used in this assessment consisted of focus group discussions, and a community survey. These findings expanded upon the information gathered from the secondary data analysis.

### Community Survey

Community input was collected through a survey that was made available online and via paper copies in English, Spanish and Creole from January 3, 2022, through February 28, 2022. The survey consisted of 59 questions, eight questions focused on health and social needs or concerns that may affect children’s health in the community. The list of survey questions is available in Appendix C.

The All4HealthFL Collaborative worked extensively with community and organizational leads to market, outreach, and track survey responses to ensure an equitable representation of community voices were captured. Survey marketing and outreach efforts included email invitations, social media, and coordination of onsite paper survey distribution events in collaboration with community-based organizations. A community assessment dashboard was created to track and monitor survey respondents by zip code, age, gender, race, and ethnicity to ensure targeted outreach for at risk populations. A total of 1,268 residents with children in the home responded for Pinellas County.

### Community Survey Analysis Results

Survey participants with children were asked about the top three most important health needs and the top three other critical needs or concerns most important to address for children in the community.

In Figure 28, the “Top Three Most Important Health Needs” were Mental Health or Behavioral Health (45% of respondents), Healthy Food/Nutrition (34%), and Dental Care (31%). The “Top Three Other Needs to Address” included bullying and other stressors in school (39% of respondents), access to or cost of childcare (37% of respondents), and education needs (28% of respondents).

Figure 28: Top 3 Health & Quality of Life Issues



## Focus Groups

The All4HealthFL Collaborative partnered with Collaborative Labs at St. Petersburg College in Clearwater, Florida to conduct focus group discussions to gain deeper understanding of health issues impacting children and families living in Pinellas County. Those that were invited to participate were recognized as members of the community with children living in their homes, those with expertise in public health, special knowledge of health needs affecting children, and/or representing the broad interests of children and families served in the community.

Focus group discussions took place in November 2021, with a total of 18 community participants. Due to the ongoing COVID-19 pandemic, these discussions were conducted virtually. A questionnaire was developed to guide the conversations which included topics such as Community Strengths & Assets, Top Health Problems, Access to Health, and Impact on Health. A list of questions utilized for focus group discussions can be found in Appendix C. To help inform an assessment of community assets participants were asked to list and describe resources available in the community, the list is available in Appendix E.

The project team captured detailed transcripts of the focus group sessions. The transcripts were analyzed using the qualitative analysis program Dedoose®2. Text was coded using a pre-designed codebook-organized by themes and analyzed for significant observations. The findings from the analysis were combined with findings from other primary and secondary data and incorporated into the Data Synthesis, and Prioritized Health Needs. Themes across all focus groups are seen in Figure 29. Appendix C provides a more detailed report of the main themes that trended across the individual focus group conversations.

## Focus Groups Analysis Results

Figure 29: Themes Across All Focus Groups



# Data Synthesis & Prioritization

## Data Synthesis

All forms of data may present strengths and limitations. Each data source used in this CHNA process was evaluated based on such strengths and limitations and should be kept in mind when reviewing this report. Each health topic presented a varying scope and depth of quantitative data indicators and qualitative findings. Immense efforts were made in this data collection process to include a wide range of secondary data indicators, focus group participants, and community survey participants as possible. In order to gain a comprehensive understanding of the significant health needs for Pinellas County children, the findings from all three data sets were compared and studied simultaneously. The secondary data scores, focus group themes, and survey responses were considered equally important in understanding the health issues of the community. The top health needs identified from data sources were analyzed for areas of overlap. Six health issues were identified as significant health needs across all three data sources and were used for further prioritization. Figure 30 shows the final six trending health topics for consideration.

Figure 30: Trending Health Topics for Consideration



# Prioritization

On April 7, 2022, participants from collaborating organizations as well as other community members came together to prioritize the significant health needs. In order to target issues regarding the most pressing health needs impacting Pinellas County children, the All4HealthFL Collaborative conducted a two-hour virtual prioritization session facilitated by the TBHC. A total of 88 individuals attended the prioritization session. These participants represented a broad cross section of experts and organizational leaders with extensive knowledge of health needs in the community. The meeting objectives included review of analyzed health data pertaining to health needs and disparities, discussion of significant health needs identified, gathering input on health topics, prioritizing significant health needs, and generating preliminary ideas on how to collaborate to address top community needs

## Process

The prioritization session included a presentation highlighting the findings from both the primary and secondary data and the resulting top health needs that were identified. Session participants were then directed to breakout groups to discuss the findings and the six health needs. Participants captured their thoughts through these breakout discussions, specifically how the health needs are impacted by SDoH. A detailed overview of discussion themes can be found in Appendix C. Finally, a group ranking process was conducted to prioritize the health topics to be addressed over the next three years. The group agreed that root causes, disparities, and social determinants of health would be considered for all prioritized health topics resulting from the prioritization.

Participants ranked each of the health categories individually using the dual criteria of scope and severity and ability to impact. Criteria scores were then combined to generate an overall ranking of health needs. A total of 54 individuals completed the online prioritization activity. The cumulative total score of each health topic can be seen in Table 5. The All4HealthFL Collaborative agreed with the ranking of the health topics and selected the top four prioritized health topics; Access to Health & Social Services, Behavioral Health (Mental Health & Substance Misuse), Maternal, Fetal, & Infant Health, and Exercise Nutrition & Weight.

**Table 5: Cumulative Total Score of Significant Health Topics (n=54)**

Health Topics	Cumulative Total Score
Behavioral Health (Mental Health & Substance Misuse)	141
Access to Health & Social Services	139.5
Maternal, Fetal and Infant Health	127.5
Exercise, Nutrition & Weight	126
Immunizations & Infectious Diseases	114
Respiratory Diseases	103.5

# Prioritized Significant Health Needs

The four prioritized health needs are summarized in the following section.

## 2022 Prioritized Significant Health Needs



Each prioritized health topic includes key themes from community input and secondary data warning indicators. The warning indicators shown for certain health topics are above the 1.50 threshold for Pinellas County and indicate areas of concern. See the legend below for how to interpret the distribution gauges and trend icons used within the data scoring results tables.

	Indicates the county fell in the bottom 10% of all counties in the distribution. The county fares worse than 90% of all counties in the distribution.
	Indicates the county is in the top 30% of all counties in the distribution. The county fares better than 70% of all counties in the distribution.
	The indicator is trending up, significantly, and this is not the ideal direction.
	The indicator is trending up and this is not the ideal direction.
	The indicator is trending down, significantly, and this is the ideal direction.
	The indicator is trending down and this is the ideal direction.
	The indicator is trending up, significantly, and this is the ideal direction.
	The indicator is trending up and this is the ideal direction.

## Prioritized Health Topic #1: Access to Health & Social Services

### Access to Health & Social Services



#### Key Themes from Community Input



- **22%** of survey respondents ranked Access to Health Benefits (Medicaid, WIC, SNAP/Food Stamps) as an important health issue
- **36%** of survey respondents ranked Access to or Cost of Childcare as a quality of life issue
- **30%** of survey respondents ranked Dental Care as an important health issue
- Barriers include: cost of insurance and healthcare services, knowledge or navigation of health services, language, fear/stigma/trust of health system, need for more culturally competent care, health behaviors, transportation



I prefer Black providers for myself and my children, just because I've had more positive experiences with them, they're more likely to listen to me and my children and there's nothing worse when you're not feeling good in your body, and you have to go to somebody who is supposed to be skilled to care for you.



-Focus Group Participant

### Primary Data: Community Survey & Focus Groups

Access to Health Services was a top health need identified from the community survey and focus group discussions. Twenty-two percent (22%) of community survey respondents with children in their household ranked access to health benefits such as Medicaid, WIC, SNAP, and Food Stamps as an important health issue. Reasons that prevented parents from getting medical care for their child included; inability to afford to pay for care, inability to schedule an appointment when needed, doctor's office does not have convenient hours, cannot take time off work, and inability to find a doctor who takes insurance.

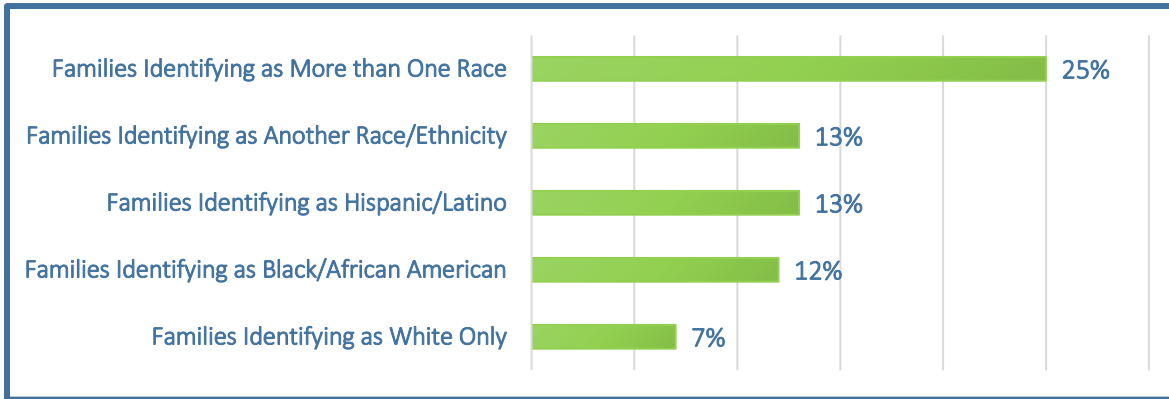
Unaffordable healthcare services and insurance were repeated themes throughout the focus group discussions. Participants also mentioned that the health system is difficult to navigate especially for those with language barriers. An opportunity for improvement that was discussed was the need for more culturally competent care. In addition, parents claimed to have fear and mistrust in the health system due to negative experiences and/or discrimination. Additional barriers included transportation and cultural norms that influence health behaviors.

### Children with Unmet Health Needs

For community respondents with children in their home who indicated they experienced unmet health needs with the past 12 months, a percentage was calculated for each race and ethnic group

to better understand the racial inequities. The percentage of families by racial/ethnic group reporting inability to access medical care for their children in the last year can be seen in Figure 31.

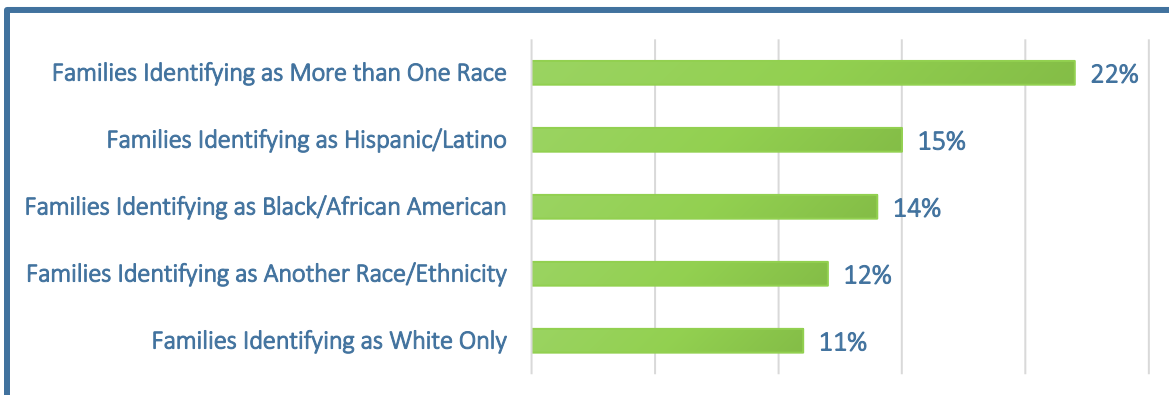
**Figure 31: Percentage of Families by Racial/Ethnic Group Reporting Inability to Access Medical Care for their Children in the Last Year**



### Children with Unmet Dental Needs

In the community survey dental access was assessed to determine barriers to care. Thirty percent (30%) of survey respondents ranked dental care as an important health issue to address. There were five top reasons that prevented parents from getting dental care for their child which included; inability to afford, inability to schedule an appointment when needed, dentist offices do not have convenient hours, inability to find a dentist that takes insurance, and cannot take time off work. For community respondents with children in their home who indicated they experienced unmet dental needs within the past 12 months, a percentage was calculated for each race and ethnic group to better understand the racial inequities. The percentage of families by racial/ethnic group reporting inability to access dental care for their children in the last year can be seen in Figure 32.

**Figure 32: Percentage of Families by Racial/Ethnic Group Reporting Inability to Access Dental Care for their Children in the Last Year**





## Prioritized Health Topic #2: Behavioral Health (Mental Health & Substance Misuse)

### Behavioral Health: Mental Health



#### Key Themes from Community Input



- 45% of survey respondents ranked Behavioral Health (Mental Health and Substance Misuse) as the most pressing health issue
- Top Reasons that prevented parents from getting mental health care for their child: Unable to schedule an appointment when needed; Unable to find a doctor/counselor who takes my insurance; Unable to afford to pay for care; Do not have insurance to cover mental health care
- COVID-19 has helped remove stigma attached to seeking help
- Behavioral issues have worsened due to extra stressors, trauma of the pandemic
- School limited on education material to teach kids about mental health

#### Warning Indicators



- Hospitalizations for Eating Disorders: 12-18



Kids need to be taught how to deal with emotions and how to talk openly to help normalize the topic of mental health.



-Focus Group Participant

### Primary Data: Behavioral & Mental Health

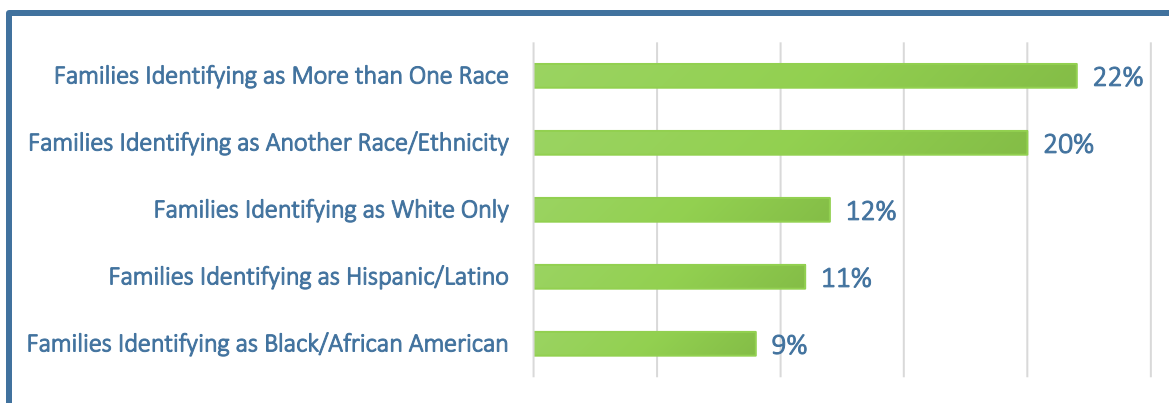
Mental Health and Substance Misuse were combined to create a prioritized topic of Behavioral & Mental Health. The secondary data, community survey, and focus groups all identified these topics as significant health needs. Forty-five percent (45%) of community survey respondents ranked Mental Health as a pressing health issue. The top reasons that prevented parents from getting mental health care for their child included; inability to schedule an appointment when needed, inability to find a doctor/counselor who takes insurance, inability to afford to pay for care, and do not have insurance to cover mental health care.

Additionally, focus group participants mentioned that although COVID-19 seems to have removed some stigma around talking about mental health, there is still fear and discomfort with the topic. Some said that behavioral health issues are worsened due to extra stressors and trauma experienced due to the pandemic. Cost of mental health care has created an additional barrier for families who need services for their children. Advice for improvement was to normalize seeking care and provide education materials for schools and parents.

## Barriers and Disparities: Behavioral & Mental Health

Survey responses were analyzed to identify disparities among race/ethnicity. Twenty-two percent (22%) of families that identify as more than one race are inability to access mental and/or behavioral health care for their children. See Figure 33 for the percentage of families by race/ethnic group with unmet mental and/or behavioral health needs within the past 12 months.

**Figure 33. Percentage of Families by Racial/Ethnic Group Reporting Inability to Access Mental and/or Behavioral Health for their Children in the Last Year**



## Secondary Data: Behavioral & Mental Health

From the secondary data scoring results, Mental Health & Mental Disorders had the 3rd highest data score of all topic areas. Further analysis was done to identify specific indicators of concern. Those indicators with high data scores (scoring at or above the threshold of 1.40) were categorized as indicators of concern and are listed in Table 6 below. For each indicator, there is an indicator score, county value, state value, and national value (where available). Additionally, there are state and national county distributions for comparison along with indicator trend information. See Appendix A for the full list of indicators categorized within this topic.

**Table 6. Data Scoring Results for Mental Health & Mental Disorders**

SCORE	MENTAL HEALTH & MENTAL DISORDERS	Pinellas County	HP2030	Florida	U.S.	Florida Counties	U.S. Counties	Trend
2.03	Hospitalizations for Eating Disorders: 12-18 (2019) per 100,000 population	58.5	--	36	--	--	--	

\*HP2030 - Healthy People provides science-based, 10-year national objectives for improving the health of all Americans. HP2030 represents a Healthy People target to be met by 2030.

Hospitalizations for Eating Disorders:12-18 is the worst performing indicator related to Mental Health & Mental Disorders in Pinellas County. The Hospitalizations rate for eating disorders in children age between 12-18 in Pinellas County is 58.5 per 100,000 population, which is higher than Florida value (36 per 100,000 population).

# Substance Misuse

## Behavioral Health: Substance Misuse



### Key Themes from Community Input



- 45% of survey respondents ranked behavioral health (mental health and substance misuse) as pressing health issues
- Drugs are easily accessible for high schoolers
- COVID-19 has helped remove stigma attached to seeking help

### Warning Indicators



- Adolescents who Use Electronic Vaping: Lifetime
- Adolescents who Use Electronic Vaping: Past 30 Days

## Secondary Data

Substance Misuse is a health topic that is analyzed from two secondary data health topics, such as Alcohol, Drug Use, and Tobacco Use. From the secondary data scoring results, Alcohol & Drug Use had the 8<sup>th</sup> and Tobacco Use 5<sup>th</sup> highest data score of all topic areas. Further analysis was done to identify specific indicators of concern. Those indicators with high data scores (scoring at or above the threshold of 1.40) were categorized as indicators of concern and are listed in Table 7 below. See Appendix A for the full list of indicators categorized within this topic.

Table 7. Data Scoring Results for Alcohol & Drug Use



SCORE	ALCOHOL & DRUG USE	Pinellas County	HP2030	Florida	U.S.	Florida Counties	U.S. Counties	Trend
1.41	Health Behaviors Ranking (2021) ranking	19	--	--	--		--	--
1.41	Teens who Use Marijuana: High School Students (2020) percent	17.7	--	--	15.9		--	

\*HP2030 - Healthy People provides science-based, 10-year national objectives for improving the health of all Americans. HP2030 represents a Healthy People target to be met by 2030.

Among Florida's 67 counties Pinellas County ranks 19<sup>th</sup> in risky health behaviors that could be at risk to their health and wellbeing. From the secondary data results, there are several indicators within Alcohol and Drug Use health topic that raise concerns for Pinellas County. The worst performing indicator under this health topic are Health Behaviors Ranking and Teens who Use Marijuana (High School Students). In Pinellas County, the percentage of Teens (High School Students) who use Marijuana (17.7%) is higher than Florida value of (15.9%). Another indicator of concern is Health Behaviors Ranking. This indicator shows the ranking of the county in overall

health behaviors according to the County Health Rankings. The ranking is based on a summary composite score calculated from the following measures: adult smoking, adult obesity, physical inactivity, access to exercise opportunities, excessive drinking, alcohol-impaired driving deaths, sexually transmitted infections, teen births, and a food environment index.

**Table 8. Data Scoring Results for Tobacco Use**

SCORE	TOBACCO USE	Pinellas County	HP2030	Florida	U.S.	Florida Counties	U.S. Counties	Trend
1.91	Adolescents who Use Electronic Vaping: Lifetime (2020) percent	29.7	--	26.4	--	--	--	
1.91	Adolescents who Use Electronic Vaping: Past 30 Days (2020) percent	18.9	--	14.5	--	--	--	

\*HP2030 - Healthy People provides science-based, 10-year national objectives for improving the health of all Americans. HP2030 represents a Healthy People target to be met by 2030.

## Prioritized Health Topic #3: Exercise, Nutrition, & Weight

### Exercise, Nutrition & Weight



#### Key Themes from Community Input



- **33%** of survey respondents mentioned healthy food, nutrition, obesity, and physical activity as an important health issue to address
- **16%** families worried about whether their food would run out in between pay days
- **14%** families received emergency food from shelter, church, etc.

#### Warning Indicators



- Teens without sufficient physical activity



For South St. Pete, not every parent wants to stand to get access to free food. What they want is access to the same quality of food that everyone else in other areas have access to.



-Black/African American Focus Group Participant

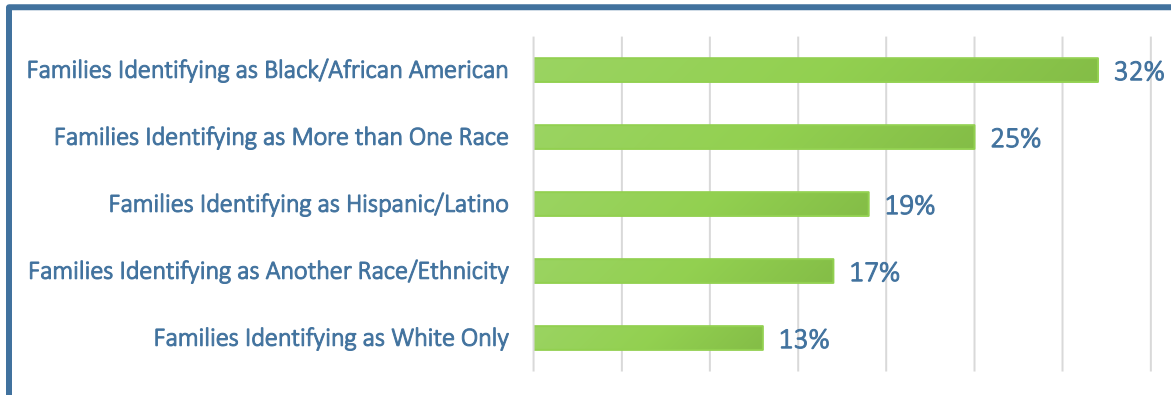
## Primary Data: Community Survey & Focus Group

Exercise, Nutrition, and Weight was mentioned throughout the community survey and focus group discussions. Thirty-three percent (33%) of community survey respondents ranked healthy food, nutrition, obesity, and physical activity as an important health issue to address. There were 16% of families who worried about whether their food would run out in between pay days and 14% of families received emergency food from a shelter, church, etc. Additionally, the focus group participants explained cultural differences among race/ethnic groups that influence health behaviors and diet. Participants stated that there are food deserts in Pinellas County, and many cannot afford healthy food options even when available. Transportation barriers prevent many from accessing healthy foods outside of the county. Furthermore, the COVID-19 pandemic has limited physical activity with the closure of many parks and recreational facilities. Focus group participants emphasized the need for addressing rising health concerns such as eating disorders and obesity.

## Barriers and Disparities: Food Insecurity

Survey responses were analyzed to identify disparities among race/ethnicity. All minority races and ethnicities reported higher levels of food insecurity than white and non-Hispanic populations. Thirty-two percent (32%) of families that identify as Black/African American reported experiencing food insecurities within the last year. See Figure 34 for the percentage of families by race/ethnic group reporting food insecurities within the last year.

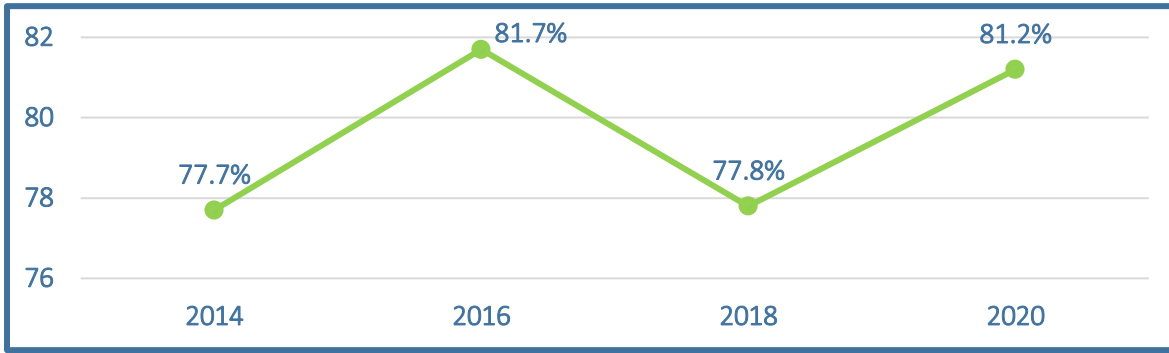
Figure 34. Percentage of Families by Racial/Ethnic Group Reporting any Food Insecurity in the Last Year



## Secondary Data

The two secondary data warning indicators for Exercise, Nutrition, & Weight are Percentage of Teens Without Sufficient Physical Activity and Number of Children in Pre-K who are Eligible for Free/Reduced Lunch. Figure 35 shows the fluctuating percentage of Teens Without Sufficient Physical Activity from 2014 through 2020.

Figure 35. Percentage of Teens Without Sufficient Physical Activity



\*Florida Department of Health, Bureau of Epidemiology, 2020

## Prioritized Health Topic #4: Maternal, Fetal, & Infant Health

### Maternal, Fetal & Infant Health



#### Disparity Analysis Illustrates

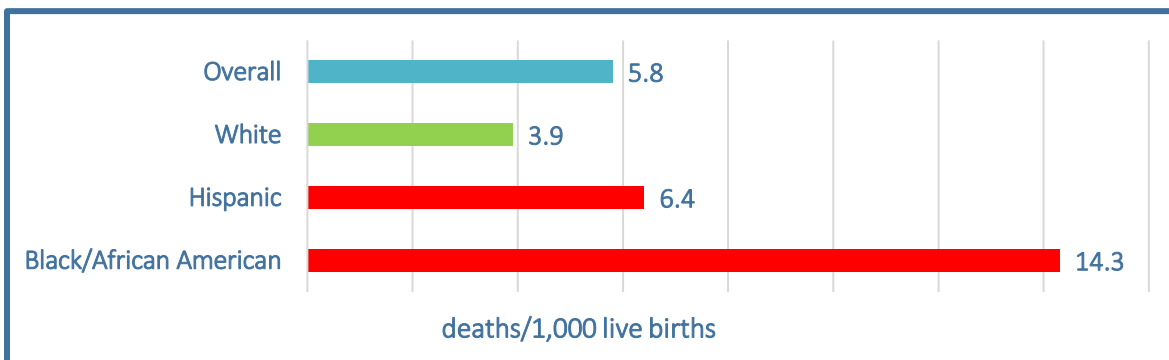


- **Infant Mortality Rates** are seen highest in Black/African American and Hispanic populations in comparisons to overall county and other races
- **Pre-Term Births** are highest in Black/African Americans in Pinellas County

### Secondary Data

The topic of Maternal, Fetal, & Infant Health was seen predominately in the secondary data. Warning indicators showed infant mortality rates are the highest in Black/African American populations in comparison to other race/ethnicities and the overall Florida value. See Figure 36 for Infant Mortality Rate by Race/Ethnicity.

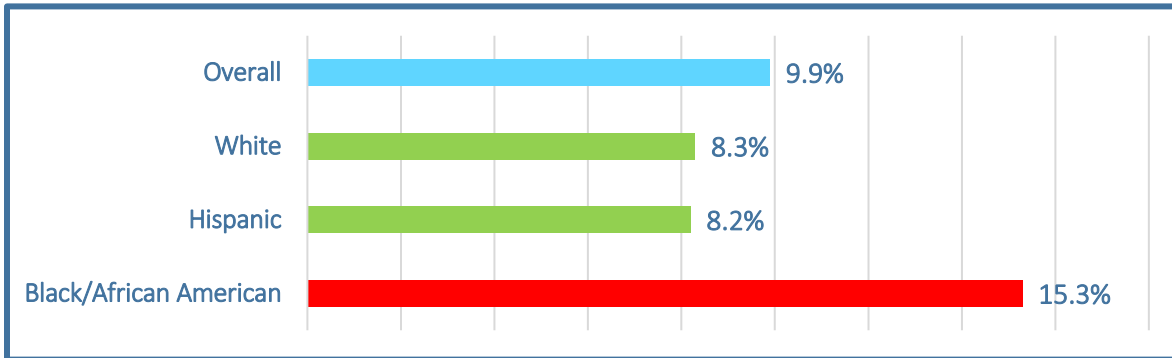
Figure 36. Infant Mortality Rate by Race/Ethnicity



\*Florida Department of Health, Bureau of Vital Statistics, 2020

Another warning indicator of concern within Pinellas County the Percentage of Pre-Term Births by Race/Ethnicity, seen in Figure 37. Black/African American populations have a significantly higher Percentage of Pre-Term Births in the county compared to other race/ethnicities and the overall Florida value of 9.9%

Figure 37. Percentage of Pre-Term Births by Race/Ethnicity



\*Florida Department of Health, Bureau of Vital Statistics, 2019

# Non-Prioritized Significant Health Needs

Following the community prioritization process, the following were not selected as prioritized health topics for Pinellas County for the next three years. Any current programming and additional efforts outside of the CHNA process to address these health issues will not be impacted by this decision. Future initiatives related to the prioritized health needs will likely have positive impact on the non-prioritized health needs as many topics overlap.

## Non-Prioritized Health Need #1: Immunizations & Infectious Diseases

### Immunizations & Infectious Diseases



#### Warning Indicators



- Syphilis Incidence Rate
- Kindergartners with Required Immunizations
- Tuberculosis Incidence Rate
- HIV Incidence Rate
- Children who are Fully Immunized with Basic Immunization Series: 2
- Chlamydia Incidence Rate



People who are arriving into this country lack the knowledge and information of what vaccines and physical exams are required to start school.



- Focus Group Participant

Immunizations and Infectious disease health topic was mentioned in the focus group and among 28% of community survey respondents. Secondary data indicators showed the percentage of kindergartners with required immunization were 92.2% which is close to reaching the Florida state goal of 95%. Focus Group participants mentioned the lack of knowledge and awareness of immunizations requirements for children/families migrating to the U.S. The COVID-19 pandemic has increased fear, uncertainty and trust issues for health professionals because of conflicting and inaccurate distribution of information regarding vaccinations.



## Non-Prioritized Health Need #2: Respiratory Diseases



### Respiratory Diseases

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#### Warning Indicators



- Adolescents who Use Electronic Vaping: Lifetime
- Adolescents who Use Electronic Vaping: Past 30 Days
- Hospitalizations due to Asthma: 12-18
- Tuberculosis Incidence Rate
- Hospitalizations due to Asthma: 5-11

Respiratory Diseases were not specifically identified as a top health concern by focus group participants nor community survey respondents. Secondary data indicators show Pinellas County tuberculosis incidence rates at 2.4 cases per 100,000 population in 2020. This is higher than the Florida rate of 1.9 cases per 100,000 population and is above the Healthy People 2030 target of 1.4 cases per 100,000 population.

### Conclusion

The community needs assessment (CHNA) describes barriers to health faced by the community, brings into focus its priority health issues, and provides information necessary to all levels of stakeholders to build upon each other's work and work in a coordinated, collaborative manner. The All4HealthFL Collaborative has established clear priorities based on the results of this assessment to improve health outcomes for the children and families living in Pinellas County. Over the next year, the All4HealthFL Collaborative will work together on the development of strategies to address the priorities outlined in the report. These strategies will help inform Community Health Improvement Plans for Pinellas County children.

# Appendices Summary

The following support documents are shared separately on the All4HealthFL website.

## A. Secondary Data (Methodology and Data Scoring Tables)

A detailed overview of the Conduent HCI data scoring methodology and indicator scoring results from the secondary data analysis.

- Secondary Data Methodology and Data Scoring Tables
- Population Estimates for each zip code (Demographic Section)
- Families Below poverty by zip code (Social and Economic Determinants of Health Section)

## B. Index of Disparity

Conduent's health equity index of disparity tools utilized to analyze secondary data.

- Healthy Equity Index
- Food Insecurity Index
- Mental Health Index

## C. Community Input Assessment Tools

Quantitative and qualitative community feedback data collection tools that were vital in capturing community feedback during this collaborative CHNA:

- Community Health Survey
- Focus Group Discussion Questions and Summary of Responses
- Prioritization Session Attendee Organizations
- Prioritization Session Questions and Summary of Responses

## D. Data Placemats

- Access to Health and Social Services
- Behavioral Health (Mental Health and Substance Misuse)
- Exercise, Nutrition and Weight
- Immunizations and Infectious Diseases
- Maternal, Fetal, and Infant Health
- Respiratory Diseases

## E. Community Partners and Resources

The tables in this section acknowledge community partners and organizations who supported the CHNA process.

## F. Partner Achievements

This section highlights All4HealthFL Collaborative organization specific achievements in addressing health needs identified from the 2019-2021 CHNA cycle.