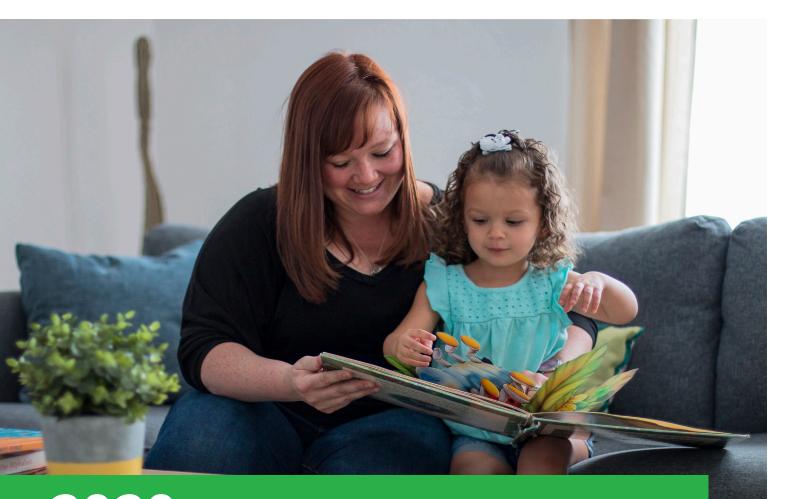


Southeast Maricopa



# **2020** NEEDS AND ASSETS REPORT

# Southeast Maricopa Regional Partnership Council 2020 Needs and Assets Report

Prepared by Community Research, Evaluation & Development (CRED) John & Doris Norton School of Family and Consumer Sciences College of Agricultural and Life Sciences

The University of Arizona

Funded by First Things First Southeast Maricopa Regional Partnership Council

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# Introduction

Ninety percent of a child's brain growth occurs before kindergarten and the quality of a child's early experiences impacts whether their brain will develop in positive ways that promote learning. First Things First (FTF) was created by Arizonans to help ensure that Arizona children have the opportunity to arrive at kindergarten prepared to be successful. Understanding the critical role the early years play in a child's future success is crucial to our ability to foster each child's optimal development and, in turn, impact all aspects of wellbeing of our communities and our state.

This Needs and Assets Report for the FTF Southeast Maricopa Region helps community leaders and decision-makers understand the needs of young children in the region, the resources available to meet those needs and gaps that may exist in those resources. Data collection and analysis for the 2020 report were completed prior to the COVID-19 pandemic and, therefore, do not reflect the impact of COVID-19 on families with young children and the services that support them. The report is organized by topic areas pertinent to young children in the region, such as the population characteristics or educational indicators. Within each topic area are sections that set the context for why the data found in the topic areas are important (Why it Matters), followed by a section that includes available data on the topic (What the Data Tell Us).

The FTF Southeast Maricopa Regional Partnership Council recognizes the importance of investing in young children and ensuring that families and caregivers have options when it comes to supporting the healthy development of young children in their care. It is our sincere hope that this information also will help guide community conversations about how we can best support school readiness for all children in the Southeast Maricopa Region. To that end, this information may be useful to stakeholders in the area as they work to enhance the resources available to young children and their families and as they make decisions about how best to support children birth to 5 years old in communities throughout the region.

# Acknowledgements

The Southeast Maricopa Regional Council wants to thank the Arizona Department of Economic Security, the Arizona Department of Health Services, the Arizona Department of Education and the U.S. Census Bureau, for their contributions of data for this report and their ongoing support and partnership with FTF on behalf of young children.

To the current and past members of the Southeast Maricopa Regional Council, your vision, dedication and passion have been instrumental in improving outcomes for young children and families within the region. Our future efforts will build upon those successes with the ultimate goal of building a comprehensive early childhood system for the betterment of young children within the region and the entire state.

# LETTER FROM THE CHAIR

May 8, 2020

Message from the Chair:

Since the inception of First Things First, the Southeast Maricopa Regional Partnership Council has taken great pride in supporting evidence-based and evidence informed early childhood programs that are improving outcomes for young children. Through both funded and unfunded approaches, the early childhood programs and services supported by the regional council have strengthened families, improved the quality of early learning, and enhanced the health and well-being of children birth to 5 years old in our community.

This impact would not have been possible without data to guide our discussions and decisions. One of the primary sources of that data is our regional Needs and Assets report, which provides us with information about the status of families and young children in our community, identifies the needs of young children, and details the supports available to meet those needs. Along with feedback from families and early childhood stakeholders, the report helps us to prioritize the needs of young children in our area and determine how to leverage First Things First resources to improve outcomes for young children in our communities.

The Southeast Maricopa Regional Council would like to thank our Needs and Assets vendor, University of Arizona, for their knowledge, expertise and analysis of the Southeast Maricopa region. Their partnership has been crucial to our development of this report and to our understanding of the extensive information contained within these pages.

As we move forward, the First Things First Southeast Maricopa Regional Partnership Council remains committed to helping more children in our community arrive at kindergarten prepared to be successful by funding high-quality early childhood services, collaborating with system partners to maximize resources, and continuing to build awareness across all sectors of the importance of the early years to the success of our children, our communities and our state.

Thanks to our dedicated staff, volunteers and community partners, First Things First has made significant progress toward our vision that all children in Arizona arrive at kindergarten healthy and ready to succeed.

Thank you for your continued support.

Sincerely,

Rev. Alizoit Contreg

Rev. Abigail Conley, Chair

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# **Executive Summary**

### **Regional Boundaries**

The First Things First Southeast Maricopa Region is comprised of several communities within the southeastern portion of Maricopa County. The region includes Mesa and Gilbert, as well as the parts of Queen Creek and Apache Junction which lie within Maricopa County. The Southeast Maricopa Region is adjacent to four other First Things First regions: East Maricopa, Pinal, Gila River Indian Community, and Salt River Pima Maricopa Indian Community. The region also includes some unincorporated areas adjacent to Mesa or Gilbert.

## **Population Characteristics**

According to the U.S. Census, the Southeast Maricopa Region had a population of 725,950 in 2010, of whom 68,471 (9%) were children ages birth to 5. Eighteen percent of households in the region included a young child. This is a slightly higher proportion of households than both Maricopa County as a whole (17%) and the state (16%). Population projections for Maricopa County show that the population of young children (ages 0-5) is projected to be about 326,049 by 2020, a decrease from 2010 (339,217). Projections show an increase in the count of young children over time after 2020, and that Maricopa County will continue to hold nearly two-thirds of the state's young children.

The Southeast Maricopa Region has a predominately White population. Nearly three-quarters (72%) of adults and over half (54%) of young children (ages 0-4) identify as White. About one-fifth (19%) of adults and a third (34%) of young children (ages 0-4) in Southeast Maricopa identify as Hispanic; these proportions are lower than Maricopa County as a whole, where a majority of young children are Hispanic (46%). Southeast Maricopa also has a lower percentage of American Indian young children (2%) than the county (3%) and state (6%). Similarly, the proportion of young children who are Black or African American in the region (3%) is lower than the county (6%) and state (5%), all of which are lower than the United States overall (14%). The percentage of Asian or Pacific Islander young children (3%) in Southeast Maricopa is similar to that of the county (4%) and state (3%). The proportion of births to mothers who are White is higher in the region (61%) than elsewhere in the county (45%) and the state overall (44%).

About a fifth (19%) of children in Southeast Maricopa live with one or two foreign-born parents; this is lower than the county as a whole (30%) and the state overall (26%). Household language use also reflects these demographic patterns; a smaller proportion of individuals speak a language other than English at home in the Southeast Maricopa Region (18%) than in the county (27%) and state overall (27%). Nonetheless, there are still over 8,000 households in the region considered to be "limited English speaking."

A majority of children living in the Southeast Maricopa Region live in two-parent households; 69 percent of young children in the region live with two parents or stepparents, compared to 61 percent in the county and 59 percent in Arizona. The proportion of households with young

children that are single-female households in the region (19%) is lower than the county (22%) and state overall (24%). The percentage of young children living in a grandparent's household is slightly lower for the region (9%) compared to the county (12%) and state (14%). Among the families in the region where grandparents and grandchildren (age 0-17) live together, under half of children (45%) are the responsibility of the grandparent.

## Economic Circumstances

Thirteen percent of residents in the Southeast Maricopa Region live in poverty, which is slightly lower than in Maricopa County (16%) and the state (17%). When it comes to young children, almost one in five (19%) lives in poverty in Southeast Maricopa. While this percentage is higher than that of the total (all-age) population in the region living in poverty, it is lower than the proportion of children age 0-5 living in poverty across the county (24%) and state (26%). Across household types, median annual family income is higher in Maricopa County than in Arizona as a whole. Median income for married couple families with children in Maricopa County (\$86,236) is nearly three times the median income for single-female headed families (\$29,285).

Eligibility for some public assistance programs is determined by different poverty thresholds. For example, family income at or below 141% of the federal poverty threshold is one criterion for eligibility for the Arizona Health Care Cost Containment System (AHCCCS) for children ages 1 to 5, and at or below 147% of the federal poverty threshold for children under 1 year old. In the Southeast Maricopa Region, the percentage of families with young children who may qualify for AHCCCS (those under 130% of FPL and between 130% and 149% of FPL) is lower than the county and state overall (28%, 36%, and 38%, respectively). Between 2015 and 2018, the percentages of both families and young children receiving Temporary Assistance for Needy Families (TANF) declined over time and were low for the region (2%), county (3%), and state (3%).

While participation in the Supplemental Nutrition Assistance Program (SNAP) by families and young children also declined between 2015 and 2018, SNAP still served as an economic resource for many families (28%) and young children (29%) in the region. Since the 2015-2016 school year, the percentage of students eligible for free or reduced-price lunch in the Southeast Maricopa Region has also slightly but steadily declined, from 43 percent in 2015-2016 to 39 percent in 2018-2019. This is a lower percentage of eligible children than in the county (53%) and state (56%).

Rates of adult employment in Southeast Maricopa (61%) are higher than rates in the county (60%) and state (55%) as well as the US as a whole (59%). Unemployment rates in both the county and the state declined from 2015 to 2018. Fifty-nine percent of households with young children have all parents present in the household in the labor force. The percent of young children living with two parents, both of whom are in the labor force (37%), was higher in the region than the county (33%) or state (31%) whereas the percent of young children living with one parent, in the labor force (22%) was lower than the county (27%) and state (29%). Over a

third of young children (34%) live in a two-parent household where one parent is not in the labor force.

About one-third (31%) of households in the region are spending 30 percent or more of their total household income<sup>i</sup> on housing, a proportion comparable at the county, state, and national levels.

About three-quarters (73%) of households in the region have both a smartphone and computer, higher than county (71%), state (67%), and national (66%) numbers. The majority (88%) of Southeast Maricopa residents live in households with a computer and internet. This is slightly higher than state and national proportions. For children specifically, household access to a computer and internet in the region is even higher (90%). Of people living in households with a computer and internet in the region, nine percent rely solely on a cellular data plan.

#### **Educational Indicators**

In the 2018-2019 school year, 2,723 children were enrolled in preschool in the Southeast Maricopa Region. Kindergarten through 3rd grade enrollments for the region were all relatively similar, ranging from a low of 11,102 in 2<sup>nd</sup> grade to a high of 11,307 in 1<sup>st</sup> grade.

Kindergarten through 3rd grade chronic absence rates increased from 2015-2016 to 2018-2019 at the regional, county, and state level. During the 2018-2019 school year, the Southeast Maricopa Region had a seven percent chronic absence rate, with 3,988 students (kindergarten through 3rd grade) in the region chronically absent. By grade level, chronic absences ranged from six percent to nine percent in the Southeast Maricopa Region. In the region, county, and state, chronic absences were highest among kindergarteners (9%, 12%, 13% respectively).

Over half of 3rd grade students are meeting or exceeding proficiency expectations for 3rd grade literacy. The proportion of students meeting or exceeding proficiency expectations for math has risen steadily in recent years and is approaching two-thirds. Arizona's Measurement of Educational Readiness to Inform Teaching (AzMERIT) 3rd Grade English Language Arts passing rates for the Southeast Maricopa Region (52%) surpassed county (46%) and state passing rates (44%) in 2017-2018. AzMERIT 3rd Grade Math passing rates for the Southeast Maricopa Region (52%) also surpassed county (56%) and statewide (53%) passing rates in 2017-2018. AzMERIT 3rd Grade Math passing rates the region and state level, with regional passing rates increasing from 55 percent in 2015-2016 to 62 percent in 2017-2018.

In 2017, the four-year high school graduation rate for the region was 82 percent and the fiveyear graduation rate was 85 percent. In recent years, both the four-year and five-year high school graduation rates in the Southeast Maricopa Region have slightly surpassed those across

<sup>&</sup>lt;sup>i</sup> Household income includes wage or salary income, self-employment income, interest, dividends, net rental income, income from estates and trusts, Social Security or Railroad Retirement income, Supplemental Security Income (SSI), cash public assistance income (from programs such as TANF), and retirement, survivor, or disability income for all individuals in a household.

the county and state. The 7th-12th grade dropout rate for Southeast Maricopa has remained low in recent years.

A larger proportion of adults have more than a high-school education in the Southeast Maricopa Region (67%) than in Maricopa County (64%), Arizona (62%), and the United States overall (60%). This difference is also seen specifically in mothers giving birth. In the Southeast Maricopa Region, a higher proportion of births were to mothers who had more than a highschool education (68%) compared to the county (58%) and state (56%).

## Early Learning

In the Southeast Maricopa Region, 40 percent of children (ages 3 and 4) are enrolled in nursery school, preschool, or kindergarten. While this is a slightly larger proportion than the county and state, it is lower than the national rate (48%). In the Southeast Maricopa Region, nearly all (99%) of licensed child care capacity is provided by child care centers, with a small proportion provided by family child care providers (1%) and nannies/individual providers (<1%). Ten percent of providers in the region are accredited, compared to eight percent in the county and 10 percent in the state. Due to the large capacity of some of these providers, 16 percent of the capacity in the region is with an accredited provider.

Care for very young children (i.e., infants and toddlers) in approved family homes tends to be more expensive in the Southeast Maricopa Region than in the rest of the county or state. Median monthly child care costs for certified group homes and licensed centers are similar across the region, county, and state. Overall, licensed centers are the most expensive for all ages. At median levels, sending an infant to a licensed center requires almost one-sixth (16%) of a family's income; a family in the region with a preschooler and an infant could be spending over a quarter of their income on child care.

Nearly all children (93-95%) who are eligible for Department of Economic Security (DES) child care subsidies in the Southeast Maricopa Region have received them in recent years. For Department of Child Safety (DCS)-involved children specifically, the proportion of eligible children receiving subsidies in the region is lower than for all eligible children and has declined over time, from 92 percent in 2015 to 85 percent in 2018. This decline in DCS-involved children receiving subsidies was also seen at a state level, with 82 percent of DCS-involved children receiving subsidies in Arizona in 2018 compared to 91 percent in 2015. The proportion of eligible families not using DES child care subsidies has increased slightly over time at the region, county, and state level. In 2018, seven percent of eligible families in the Southeast Maricopa Region did not use their child care subsidies.

Quality educational environments<sup>ii</sup> are defined by the Department of Economic Security (DES) as providers that are accredited by a national organization or providers that have received a state-approved quality indicator that is recognized by the department. From 2017 to 2018, the number of children receiving subsidies in quality environments, including the number of DCS children in quality environments, increased at the regional, county, and state levels. In 2019, a total of 75 child care providers in the Southeast Maricopa Region participated in Quality First, 76 percent of which were quality-level settings (public 3-5 stars), and 5,188 children were enrolled at a Quality First provider site in the Southeast Maricopa Region. Of all children enrolled at a Quality First provider site in the region, 73 percent were enrolled at a quality-level setting (public 3-5 stars). In 2019, 607 children received Quality First scholarships.

In 2018, early learning programs in Maricopa County reported 44 expulsions of young children receiving child care subsidies to the Department of Economic Security (DES). There were also 11 considered expulsions that were prevented thanks to intervention.

The number of young children (ages 3-5) enrolled in special education increased slightly from 2015-2016 (2,392) to 2018-2019 (2,476) in the Southeast Maricopa Region. The largest proportion of young children (ages 3-5) enrolled in special education in the region in the 2018-2019 school year were diagnosed with a developmental delay (40%) or speech or language impairment (39%). Thirteen percent of students (grades 1-3) are enrolled in special education in the region in the region, compared to 12 percent in the county and state. Special education enrollment for this age has increased in the region from 11 percent in 2015-2016.

In 2017, the percentage of children (ages 0-2) in the Southeast Maricopa Region who were referred to the Arizona Early Intervention Program (AzEIP) and found eligible was 65 percent, compared to 60 percent statewide. From 2017 to 2018, the number of active AzEIP cases in the Southeast Maricopa Region increased by six percent. The number of children receiving services from the Division of Developmental Disabilities (DDD) has increased over time at the region, county, and state levels since 2015. In Southeast Maricopa, the number of children ages 0-2 receiving DDD services has increased by 23 percent and the number of children ages 3-5 receiving DDD services has increased by 43 percent.

## Child Health

In the Southeast Maricopa Region, about one in ten (11%) people don't have health insurance coverage, placing the region between the state (12%) and nation (10%). For young children specifically, health insurance coverage is slightly better than the overall population in the region but worse than the national average, with six percent of young children uninsured in Southeast Maricopa and four percent of young children uninsured nationally. Over a third (39%) of births in the Southeast Maricopa Region were covered by AHCCCS in 2017, a percentage substantially

<sup>&</sup>lt;sup>ii</sup> Providers are considered quality educational environments by the Arizona Department of Economic Security if they receive a Quality First three-star rating or higher or are accredited by a national organization, such as the Association for Early Learning Leaders or the National Association for the Education of Young Children (NAEYC).

lower than that of the county and state (52% and 53%, respectively). The proportion of births covered by the Indian Health Service (IHS) and self-paid births were comparable across the region, county, and state in 2017.

Rates of prenatal care in the Southeast Maricopa Region are generally better than those elsewhere in the county or state, with a lower proportion of births to mothers who had no prenatal care at all (2%), no prenatal care in the first trimester (19.2%), and fewer than five visits if they did have prenatal care (4%) compared to state averages (3%, 26.4%, and 8% respectively). The region did meet the Healthy People 2020 target of at least 77.9 percent of births to mothers who received prenatal care in the first trimester. The prevalence of other risk factors is also lower in the region than elsewhere. The proportion of babies born at low birth weight is slightly lower in Southeast Maricopa (7.1%) than the county (7.5%) and state (7.5%), though all met the Healthy People 2020 target of no more than 7.8 percent. Preterm births were also less common, with 8.5 percent of births happening before 37 weeks gestation in the region compared to 9.4 percent in the county and 9.3 percent in the state. The Southeast Maricopa Region did not meet the Healthy People 2020 target for maternal use of tobacco during pregnancy (no more than 1.4%), with 4.4 percent of births in the region to mothers who used tobacco while pregnant.

In 2017, Maricopa County had an infant mortality rate (5.7 per 1,000 live births) that met the Healthy People 2020 target (fewer than 6.0 per 1,000 live births).

In 2016 and 2017, the rate of neonatal abstinence syndrome (i.e., opioid-addicted babies) in Maricopa County (6.6 per 1,000 live births) was less than the state rate (7.4 per 1,000 live births). Between June 2017 and June 2018, there were 5,317 suspected opioid overdoses among people of all ages in Maricopa County. In 2017, there were 576 deaths directly attributed to opioids in Maricopa County; this accounted for about three-in-five (61%) of the opioid-related deaths across the state.

In Maricopa County, 76 percent of infants in the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) had mothers who initiated breastfeeding, comparable to the 77 percent statewide. The American Academy of Pediatrics recommends exclusive breastfeeding (i.e, a diet of breastmilk only) until six months of age; however, at six months of age, only 25 percent of WIC infants in Maricopa County were still being breastfed at all, and a mere two percent were exclusively breastfed. Even at three months old, exclusive breastfeeding for infants in the WIC program in Maricopa County had dropped to 10 percent.

In 2019, 1,379 children received at least one fluoride varnish and 2,492 children received at least one oral health screening in the Southeast Maricopa Region as a result of the work of First Things First.

Between 2015 and 2018, Maricopa County had 2,792 cases of influenza, 2,472 cases of respiratory syncytial virus (RSV), and 37 cases of varicella ("chickenpox") in young children (ages 0-5).

Across nearly all required immunizations, children in child care in the Southeast Maricopa Region had slightly lower vaccination rates than the county as a whole or the state. The region did, however, still meet the Healthy People 2020 targets during the 2018-2019 school year. The region also fell short of statewide immunization rates for all required immunizations for kindergarteners in 2018-2019. In all cases except varicella, neither the region, county, nor state met Healthy People 2020 goals for 95 percent coverage for each immunization. In terms of immunization exemptions among children in child care, between the 2016 and 2018 school years, the region had slightly shrinking rates of children receiving religious exemptions. However, the proportion of children in child care receiving exemptions from all required vaccines climbed slightly between 2017 and 2018. Exemption rates at the county and state have steadily increased, yet exemption rates in the Southeast Maricopa region were still consistently higher than those statewide. During the 2018 school year, 5.4 percent of children in child care received a religious exemption in Southeast Maricopa compared to 4.5 percent of children statewide, and 3.6 percent of children in child care received exemptions from all required vaccines in Southeast Maricopa compared to 3.0 percent of children statewide. Exemptions for kindergarteners, on the other hand, have been increasing in the region as in the county and state. Southeast Maricopa Region had higher rates of children in kindergarten receiving personal belief exemptions and exemptions from all required vaccinations than statewide averages between 2016 and 2019. During the 2018-2019 school year, 9.0 percent of children in kindergarten received a personal belief exemption in Southeast Maricopa compared to 5.9 percent of children statewide, and 5.7 percent of children in kindergarten received exemptions from all required vaccines in Southeast Maricopa compared to 3.8 percent statewide.

The most common causes of unintentional injuries that led to hospitalizations of young children in the Southeast Maricopa Region between 2015 and 2018 were falls, which accounted for 37 percent of hospitalizations, and poisoning (13%). Falls were also the most common (49%) unintentional injury leading to an emergency room visit for a young child. These rates were similar across the county and state as well. Between 2015 and 2017, there were 1,316 emergency room visits and 260 inpatient hospitalizations for asthma for young children in the Southeast Maricopa Region.

Between 2015 and 2017, there were 292 deaths of children (ages 0-17) in the Southeast Maricopa Region, 71 percent of which were of young children (ages 0-4; 207 deaths).

# Family Support and Literacy

In 2019, 586 families in the Southeast Maricopa Region received First Things First-funded home visitation services, including 36 families who successfully completed and graduated from home visitation programs.

Between January 2018 and June 2018, there were 1,706 substantiated maltreatment reports in Maricopa County. Of those substantiated reports, the majority were related to neglect (82%),

with a smaller proportion related to physical abuse (13%) and sexual abuse (5%). The statewide number of child removals by the Department of Child Safety (DCS) declined from 2014 to 2017. Between January 2018 and June 2018, 16 percent of DCS reports resulted in a child removal in Maricopa County, with 2,895 children removed. While the number of foster placements statewide declined between 2015 to 2018, the number of licensed foster homes steadily increased during this time.

## Systems Coordination among Early Childhood Programs and Services

Families in Maricopa County often face challenges in locating and accessing services. Commonly cited barriers include the sheer volume of agencies and programs as well as the lack of coordination among those agencies. Therefore, the six Phoenix and Maricopa regional partnership councils have joined together to invest in a variety of countywide initiatives to increase awareness of, and access to, services for families. Some examples of this work include:

- FindHelpPhoenix.org and its Spanish partner site, EncuentraAyudaPhx.org, is an easy-touse, mobile, friendly website that empowers residents of Maricopa County to find the help they need from more than 2,000 free and low-cost resources.
- The Family Resource Network includes more than 40 family resource centers working together to increase awareness, availability and quality of their services.
- Parent Partners Plus (PPP), the home visitation coordinated referral system, provides families with a single entry point to access home visitation programs.
- The Court Teams strategy strengthens the support for infants, toddlers and their families involved in the juvenile or family court system through training, shared planning, systems improvement and regular consultation between the courts and the agencies working with children and families.
- Early Childhood Nutrition Teams bring together community partners to develop and implement local and county-wide strategies that lead to efficient referrals and coordinated systems between food providers and family support services.
- Along with the cross-regional system building strategies mentioned above, the Southeast Maricopa Regional Partnership Council has also invested in the Mesa Early Learning Network to help support the early childhood system in the region.

### Communication, Public Information and Awareness

First Things First regularly measures progress toward building support for children birth to age 5 through statewide surveys targeting both the general population and parents of young children. The most recent statewide survey conducted in September 2018 found that, compared to previous surveys in 2012 and 2016, there was increased agreement in the general public and parents of young children with statements about the importance of early childhood health and development. These include: the state should ensure all children have access to early childhood services, a child who received early education and healthcare services before age 5 is more likely to succeed in school and beyond, and the state should put the same priority on early

education as it does on K-12 education. While the survey also showed that awareness of First Things First has increased over time, there are still large portions of the general public (87%) and parents of young children (66%) who have never heard of First Things First.

In SFY 2019, First Things First secured 11 million advertising impressions through traditional media strategies, including television, radio, cinema, and billboard ads, and 76 million digital advertising impressions through digital media strategies, including online ads on desktop and smartphone devices. Additional digital marketing content in 2019 included 40 original, high quality digital marketing pieces and the creation of an online searchable database of early childhood programs, which logged over 24,187 visits in its first six months. Specifically in Maricopa County, digital advertising led to a total of 296,596 clicks-throughs to the FTF website where families could access more information and resources.

Because Arizona is so vast – with more than 500,000 children under age 6 and nearly 400,000 households with kids under age 6 – engaging others in spreading the word about early childhood is critical to reaching across diverse geographic areas and expanding our reach. Supporters and Champions reported a total of 940 positive actions taken on behalf of young children throughout Arizona in State Fiscal Year 2019 (SFY19). Of those, 377 Supporters and 65 Champions were associated with the Southeast Maricopa Region, and they completed 58 positive actions. These actions range from leading presentations in support of early childhood to sharing FTF's early childhood resources with parents at community events.

First Things First has also led a concerted effort to build awareness among policymakers at all levels (federal, tribal, state, and municipal) of the importance of early childhood. In SFY19, FTF also launched ACT4KIDS, a text-based system that alerts participants to timely developments in early childhood policy and opportunities to engage with policymakers. In its first nine months of implementation, more than 700 Arizonans had signed up to participate in ACT4KIDS. In addition, FTF actively participates in the Arizona Early Childhood Alliance, comprised of more than 50 early childhood system leaders, which represents a united voice of the early childhood community in advocating for early childhood programs and services. For the past three years, the Alliance has also led an annual Early Childhood Day at the legislature, which draws hundreds of Arizonans to the state Capitol to engage with policymakers and show their support for early childhood development and health.

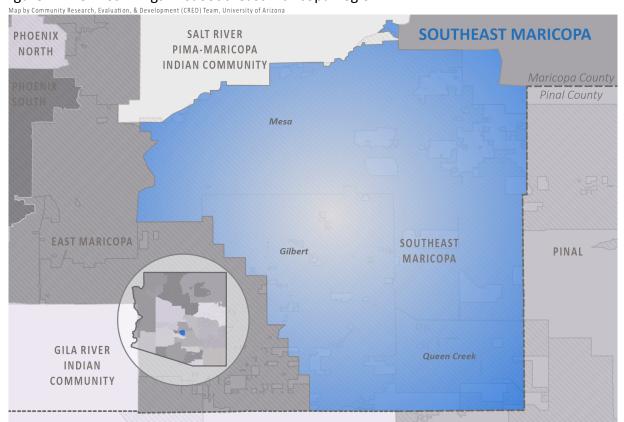
# The Southeast Maricopa Region

# **Regional Boundaries**

The First Things First regional boundaries were established to create regions that (a) reflect the view of families in terms of where they access services, (b) coincide with existing boundaries or service areas of organizations providing early childhood services, (c) maximize the ability to collaborate with service systems and local governments, (d) facilitate the ability to convene a Regional Partnership Council, and (e) allow for the collection of demographic and indicator data.

The First Things First Southeast Maricopa Region is comprised of several communities within the southeastern portion of Maricopa County. The region includes Mesa and Gilbert, as well as the parts of Queen Creek and Apache Junction which lie within Maricopa County. The Southeast Maricopa Region is adjacent to four other First Things First regions: East Maricopa, Pinal, Gila River Indian Community, and Salt River Pima Maricopa Indian Community. The region also includes some unincorporated areas adjacent to Mesa or Gilbert. Figure 1 below shows the geographical area covered by the Southeast Maricopa Region. Additional information available at the end of this report includes a map of the region by zip

code in Appendix 1, a table listing zip codes for the region in Appendix 2, and a map of school districts in the region in Appendix 3.



#### Figure 1. The First Things First Southeast Maricopa Region

Source: Custom map by the Community Research, Evaluation, & Development (CRED) Team using shapefiles obtained from First Things First and the U.S. Census Bureau 2019 TIGER/Line Shapefiles (<u>https://www.census.gov/cgi-bin/geo/shapefiles/index.php</u>)

# **Data Sources**

The data contained in this report come from a variety of sources. Some data were provided to First Things First by state agencies, such as the Arizona Department of Economic Security (DES), the Arizona Department of Education (ADE), and the Arizona Department of Health Services (ADHS). Other data were obtained from publicly available sources, including the 2010 U.S. Census, the American Community Survey (ACS), the Arizona Department of Administration (ADOA), and the Department of Child Safety (DCS).

The U.S. Census<sup>1</sup> is an enumeration of the population of the United States. It is conducted every ten years, and includes information about housing, race, and ethnicity. The 2010 U.S. Census data are available by census block. There are about 115,000 inhabited blocks in Arizona, with an average population of 56 people each. The Census data for the Southeast Maricopa Region presented in this report were calculated by identifying each block in the region and aggregating the data over all of those blocks.

The American Community Survey<sup>2</sup> is a survey conducted by the U.S. Census Bureau each month by mail, telephone, and face-to-face interviews. It covers many different topics, including income, language, education, employment, and housing. The ACS data are available by census tract. Arizona is divided into about 1,500 census tracts, with an average of about 4,200 people in each. The ACS data for the Southeast Maricopa Region were calculated by aggregating over the census tracts which are wholly or partially contained in the region. The data from partial census tracts were apportioned according to the percentage of the 2010 Census population in that tract living inside the Southeast Maricopa Region. The most recent and most reliable ACS data are averaged over the past five years; those are the data included in this report. They are based on surveys conducted from 2013 to 2017. In general, the reliability of ACS estimates is greater for more populated areas. Statewide estimates, for example, are more reliable than county-level estimates.

To protect the confidentiality of program participants, the First Things First Data Dissemination and Suppression Guidelines preclude our reporting social service and early education programming data if the count is less than ten and preclude our reporting data related to health or developmental delay if the count is less than six. In addition, some data received from state agencies may be suppressed according to their own guidelines. The Arizona Department of Health Services does not report counts less than six; the Arizona Department of Economic Security does not report counts between one and nine; and the Arizona Department of Education does not report counts less than eleven. Throughout this report, information which is not available because of suppression guidelines will be indicated by entries of "<6" or "<10" or "<11" for counts, or "DS" (data suppressed) for percentages. Data are sometimes not available for particular regions, either because a particular program did not operate in the region or because data are only available at the county level.

# **Population Characteristics**

# Why it Matters

To support the healthy development and learning of young children across Arizona, advocates and decision makers need to understand who those children and their families are. <sup>3</sup> Although parents are a child's first and most important teachers, families of young children often use community resources to help them promote positive outcomes for their children.<sup>4</sup> The number and characteristics of young children and families in a region can inform the range of services needed in a community, helping to guide where to locate child care, health care, and social services so that they are accessible to those who need them.<sup>5,6</sup>

**Immigrant families.** Families in the US are becoming more diverse. Knowing how local communities are changing can help ensure families have access to the services and supports they need to thrive.<sup>7</sup> Children of foreign-born parents represent one of the fastest growing groups of young children in the country.<sup>8</sup> Recent changes in national immigration policy have led some immigrant families to avoid using social services for which they legally qualify due to fear of deportation or jeopardizing their legal status in the country.<sup>9,10,11</sup> Policy changes at a national level, such as the "public charge rule"<sup>iii</sup> set to be enacted in October 2019, may deter families—particularly those with a recent history of immigration—from using available supports for which they legally qualify.<sup>12,13</sup> Children in these families may be at particular risk of reduced access to medical care and increased food insecurity.<sup>14,15,16</sup>

Language use. Households with multiple languages spoken pose a unique balance of benefits for child learning and barriers to parental engagement, which counties with high rates of other languages spoken should specifically consider. Acknowledging and valuing linguistic heritage (such as through language preservation efforts) and recognizing needs for resources and services in languages other than English should remain important considerations for organizations and agencies across Arizona.<sup>17,18,19,20</sup> Awareness of the levels of English proficiency and of other home languages spoken within a region provides information about a community's assets and allows for identifying relevant supports. Young children can benefit from exposure to multiple languages; mastery of more than one language is an asset in school readiness and academic achievement and offers cognitive and social-emotional benefits in early school and throughout their lifetime.<sup>21,22,23,24</sup> Although dual language learning is an asset, limited English speaking households (that is, households where none of the adult members speak English well) can face challenges. These families may experience barriers to accessing health care and social service information, as well as barriers to engaging in important parent-teacher interactions, all of which can impede their child's health and development.<sup>25,26</sup>

<sup>&</sup>lt;sup>iii</sup> U.S. Citizenship and Immigration Services defines "public charge" as an individual who is likely to become "primarily dependent on the government for subsistence, as demonstrated by either the receipt of public cash assistance for income maintenance, or institutionalization for long-term care at government expense."

Providing information about resources and services in languages accessible to families in the region can help remove those barriers. Although Spanish is the most common second language spoken, Arizona is also home to a large number of Native communities, with Native languages spoken by families in those communities. Language preservation and revitalization are critical to strengthening culture in Native communities, addressing issues of educational equity, and to the promotion of social unity, community well-being, and Indigenous self-determination.<sup>27, 28</sup> Special consideration should be given to respecting and supporting the numerous Native American languages spoken, particularly in tribal communities around the state.

**Family and household composition.** In addition to growing racial, ethnic and social diversity, US and Arizona families are becoming more diverse in terms of family structure.<sup>29,30,31,32</sup> Understanding the makeup of families in a region can help better prepare child care, school and agency staff to engage with families in ways that support positive interactions both within families and with staff to enhance each child's early learning and development.<sup>33</sup>

Multi-generational households, particularly those where grandparents live in the home with the child and parents, are traditional in some communities and cultures and can provide financial and social benefits.<sup>34</sup> However, parents are not always in the picture in these homes. Care of children by someone other than their parents, such as relatives or close friends, is known as kinship care and is increasingly common.<sup>35</sup> Children living in kinship care can arrive in those situations for a variety of reasons, including a parent's absence for work or military service, chronic illness, drug abuse, or incarceration, or due to abuse, neglect, or homelessness. Understanding who is caring for children can help in identifying and creating specific supports for these families. Children in kinship care often face special needs as a result of trauma, and therefore these families often require additional support and assistance to help children adjust and provide the best possible home environment.<sup>36</sup> A child's risk of living in poverty is also higher for those living with grandparents, adding to the family stress. <sup>37</sup> These families are likely to require access to information on resources, support services, benefits, and policies available to aid in their caregiving role.<sup>38</sup>

# What the Data Tell Us

#### Population, Race, and Ethnicity

- According to the U.S. Census, the Southeast Maricopa Region had a population of 725,950 in 2010, of whom 68,471 (9%) were children ages birth to 5. Eighteen percent of households in the region included a young child. This is a slightly higher proportion of households than both Maricopa County as a whole (17%) and the state (16%) (Table 1).
- Population projections for Maricopa County show that the population of young children (ages 0-5) is projected to be about 326,049 by 2020, a decrease from 2010 (339,217). Projections show an increase in the count of young children over time after 2020, and that Maricopa County will continue to hold nearly two-thirds of the state's young children (Figure 2).
- The Southeast Maricopa Region has a predominately White population. Nearly three-quarters (72%) of adults and over half (54%) of young children (ages 0-4) identify as White. About one-fifth (19%) of adults and a third (34%) of young children (ages 0-4) in Southeast Maricopa identify as Hispanic; these proportions are lower than Maricopa County as a whole, where a majority of young children are Hispanic (46%). Southeast Maricopa also has a lower percentage of American Indian young children (2%) than the county (3%) and state (6%). Similarly, the proportion of young children who are Black or African American in the region (3%) is lower than the county (6%) and state (5%), all of which are lower than the United States overall (14%, respectively). The percentage of Asian or Pacific Islander young children (3%) in Southeast Maricopa is similar to that of the county (4%) and state (3%) (Table 3 & Table 4).
- The proportion of births to mothers who are White is higher in the region (61%) than elsewhere in the county (45%) and the state overall (44%) (Table 5).

### Immigrant Families and Language Use

- About a fifth (19%) of children in Southeast Maricopa live with one or two foreign-born parents; this is lower than the county as a whole (30%) and the state overall (26%) (Table 6).
- Household language use also reflects these demographic patterns; a smaller proportion of individuals speak a language other than English at home in the Southeast Maricopa Region (18%) than in the county (27%) and state overall (27%). Nonetheless, there are still over 8,000 households in the region considered to be "limited English speaking" (Table 7 & Table 9).

### Family and Household Composition

• A majority of children living in the Southeast Maricopa Region live in two-parent households; 69 percent of young children in the region live with two parents or stepparents, compared to 61 percent in the county and 59 percent in Arizona. The

proportion of households with young children that are single-female households in the region (19%) is lower than the county (22%) and state overall (24%) (Table 10 & Table 11).

• The percentage of young children living in a grandparent's household is slightly lower for the region (9%) compared to the county (12%) and state (14%). Among the families in the region where grandparents and grandchildren (age 0-17) live together, under half of children (45%) are the responsibility of the grandparent (Table 12 & Table 13).

## Population, Race, and Ethnicity

					PERCENT OF
				HOUSEHOLDS	HOUSEHOLDS
				WITH ONE OR	WITH ONE OR
	TOTAL	POPULATION	TOTAL NUMBER	MORE CHILDREN	MORE CHILDREN
GEOGRAPHY	POPULATION	(AGES 0-5)	OF HOUSEHOLDS	(AGES 0-5)	(AGES 0-5)
Southeast	725.050	60.471	264 207	47.562	1.00/
Maricopa Region	725,950	68,471	264,397	47,562	18%
Maricopa County	3,817,117	339,217	1,411,583	238,955	17%
Arizona	6,392,017	546,609	2,380,990	384,441	16%
United States	308,745,538	24,258,220	116,716,292	17,613,638	15%

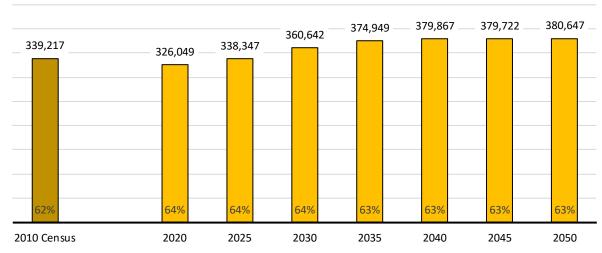
#### Table 1. Population and households, 2010

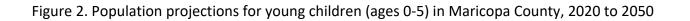
Source: U.S. Census Bureau. (2010). 2010 Decennial Census, Summary File 1, Tables P1, P4, & P20

#### Table 2. Population of children by single year of age, 2010

	POPULATION						
GEOGRAPHY	(AGES 0-5)	AGE 0	AGE 1	AGE 2	AGE 3	AGE 4	AGE 5
Southeast Maricopa Region	68,471	10,924	11,034	11,627	11,863	11,533	11,490
Maricopa County	339,217	54,300	55,566	57,730	58,192	56,982	56,447
Arizona	546,609	87,557	89,746	93,216	93,880	91,316	90,894
United States	24,258,220	3,944,153	3,978,070	4,096,929	4,119,040	4,063,170	4,056,858

Source: U.S. Census Bureau. (2010). 2010 Decennial Census, Summary File 1, Table P14





Source: Arizona Office of Economic Opportunity. (2018). Arizona Population Projections: 2018 to 2055, Medium Series

Note: The numbers in the base of each bar indicate the county's population as a percentage of the state's population of young children.

			BLACK OR		ASIAN OR	
			AFRICAN-	AMERICAN	PACIFIC	
POPULATION		WHITE,	AMERICAN,	INDIAN,	ISLANDER,	OTHER,
18 YEARS AND		NOT	NOT	NOT	NOT	NOT
OVER	HISPANIC	HISPANIC	HISPANIC	HISPANIC	HISPANIC	HISPANIC
523,163	19%	72%	3%	1%	3%	1%
2,809,256	25%	64%	4%	1%	4%	1%
4,763,003	25%	63%	4%	4%	3%	1%
	4.40/	670/	120/	10/	F0/	1%
	18 YEARS AND OVER 523,163 2,809,256 4,763,003	18 YEARS AND OVER         HISPANIC           523,163         19%           2,809,256         25%           4,763,003         25%	18 YEARS AND OVER         NOT HISPANIC           523,163         19%         72%           2,809,256         25%         64%           4,763,003         25%         63%	POPULATION         WHITE, NOT         AFRICAN- AMERICAN, NOT           18 YEARS AND         HISPANIC         HISPANIC           OVER         HISPANIC         HISPANIC           12,809,256         25%         64%           4,763,003         25%         63%	POPULATION 18 YEARS AND OVERWHITE, HISPANICAFRICAN, AMERICAN, NOT HISPANICAMERICAN, INDIAN, NOT HISPANIC523,16319%72%3%1%2,809,25625%64%4%1%4,763,00325%63%4%4%	AFRICAN-AMERICANPACIFICPOPULATIONWHITE,AMERICAN,INDIAN,ISLANDER,18 YEARS ANDNOTNOTNOTNOTOVERHISPANICHISPANICHISPANICHISPANICHISPANIC523,16319%72%3%1%3%2,809,25625%64%4%1%4%

#### Table 3. Race and ethnicity of the adult population (ages 18 and older), 2010

Source: U.S. Census Bureau. (2010). 2010 Decennial Census, Summary File 1, Table P11

			WHITE,	BLACK OR		ASIAN OR
	POPULATION		NOT	AFRICAN-	AMERICAN	PACIFIC
GEOGRAPHY	(AGES 0-4)	HISPANIC	HISPANIC	AMERICAN	INDIAN	ISLANDER
Southeast Maricopa Region	56,981	34%	54%	3%	2%	3%
Maricopa County	282,770	46%	40%	6%	3%	4%
Arizona	455,715	45%	40%	5%	6%	3%
United States	20,201,362	25%	51%	14%	1%	5%

## Table 4. Race and ethnicity of the population of young children (ages 0-4), 2010

Source: U.S. Census Bureau. (2010). 2010 Decennial Census, Summary File 1, Tables P12B-H

#### Table 5. Race and ethnicity of mothers giving birth in calendar year 2017

MOTHER WAS AMERICAN	MOTHER WAS ASIAN
	WAS ASIAN
INDIAN OR	OR PACIFIC
ALASKAN	ISLANDER
20/	
2%	4%
3%	5%
6%	4%
	<b>2%</b> 3%

Source: ADHS Office of Disease Prevention and Health Promotion. (2019). Arizona Health Status and Vital Statistics

## Immigrant Families and Language Use

	YOUNG CHILDREN (AGES 0-5) LIVING	YOUNG CHILDREN (AGES 0-5) LIVING IN FAMILIES OR	PERCENT OF YOUNG CHILDREN (AGES 0-5) LIVING IN FAMILIES OR
	IN FAMILIES OR	SUBFAMILIES WITH ONE OR	SUBFAMILIES WITH ONE OR TWO
GEOGRAPHY	SUBFAMILIES	TWO FOREIGN-BORN PARENTS	FOREIGN-BORN PARENTS
Southeast Maricopa Region	66,674	12,878	19%
Maricopa County	319,871	95,916	30%
Arizona	498,102	130,705	26%
United States	22,939,897	5,730,869	25%

Table 6. Children (ages 0-5) living with parents who are foreign-born

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B05009

Note: Children living in subfamilies are children who live together with one or two of their parents in a relative's household (such as a grandparent or aunt or uncle).

#### Table 7. Language spoken at home by persons ages 5 and older

		POPULATION	POPULATION	POPULATION (AGES
	POPULATION	(AGES 5+) WHO	(AGES 5+) WHO	5+) WHO SPEAK
	(AGES 5 AND	SPEAK ONLY	SPEAK SPANISH AT	OTHER LANGUAGES
GEOGRAPHY	OLDER)	ENGLISH AT HOME	HOME	AT HOME
Southeast Maricopa Region	746,312	82%	13%	5%
Maricopa County	3,878,139	73%	20%	6%
Arizona	6,375,189	73%	21%	6%
United States	301,150,892	79%	13%	8%

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B16001

Note: The most recent estimates from the American Community Survey (ACS) no longer specify the proportion of the population who speak a Native North American language for geographies smaller than the state.

		POPULATION	POPULATION (AGES 5+)	POPULATION (AGES 5+)
		(AGES 5+)	WHO SPEAK ANOTHER	WHO SPEAK ANOTHER
	POPULATION	WHO SPEAK	LANGUAGE AT HOME,	LANGUAGE AT HOME,
	(AGES 5 AND	ONLY ENGLISH	AND SPEAK ENGLISH	BUT DO NOT SPEAK
GEOGRAPHY	OLDER)	AT HOME	"VERY WELL"	ENGLISH "VERY WELL"
Southeast Maricopa Region	746,312	82%	12%	6%
Maricopa County	3,878,139	73%	17%	9%
Arizona	6,375,189	73%	18%	9%
United States	301,150,892	79%	13%	9%

## Table 8. English-language proficiency for persons ages 5 and older

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B16005

### Table 9. Limited-English-speaking households

			PERCENT OF
		NUMBER OF "LIMITED	HOUSEHOLDS WHICH ARE
	TOTAL NUMBER OF	ENGLISH SPEAKING"	"LIMITED ENGLISH
GEOGRAPHY	HOUSEHOLDS	HOUSEHOLDS	SPEAKING"
Southeast Maricopa Region	281,776	8,829	3%
Maricopa County	1,489,533	64,013	4%
Arizona	2,482,311	108,133	4%
United States	118,825,921	5,305,440	4%

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B16002

# Family and Household Composition

		CHILDREN (0-5)	CHILDREN (0-5)	CHILDREN (0-5)	CHILDREN (0-5)
	CHILDREN (0-5)	LIVING WITH	LIVING WITH	LIVING WITH	LIVING WITH
	LIVING IN	TWO PARENTS	ONE PARENT OR	RELATIVES	NON-
GEOGRAPHY	HOUSEHOLDS	OR STEPPARENTS	STEPPARENT	(NOT PARENTS)	RELATIVES
Southeast Maricopa	68.972	69%	27%	1%	2%
Region	00,572	03/0	27/0	1/0	2/0
Maricopa County	332,790	61%	35%	2%	2%
Arizona	520,556	59%	37%	2%	2%
United States	23,817,787	62%	34%	2%	2%

Table 10. Living arrangements for children (ages 0-5)

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Tables B05009, B09001, & B17006

#### Table 11. Heads of households in which children (ages 0-5) live, 2010

GEOGRAPHY	HOUSEHOLDS WITH ONE OR MORE CHILDREN (AGES 0-5)	MARRIED FAMILY HOUSEHOLDS	SINGLE-MALE HOUSEHOLDS	SINGLE-FEMALE HOUSEHOLDS
Southeast Maricopa Region	47,562	71%	10%	19%
Maricopa County	238,955	66%	11%	22%
Arizona	384,441	65%	11%	24%
United States	17,613,638	67%	9%	24%

Source: U.S. Census Bureau. (2010). 2010 Decennial Census, Summary File 1, Tables P20 & P32

			PERCENT OF CHILDREN
		CHILDREN (0-5) LIVING IN	(0-5) WHO LIVE IN A
	POPULATION	A GRANDPARENT'S	GRANDPARENT'S
GEOGRAPHY	(AGES 0-5)	HOUSEHOLD	HOUSEHOLD
Southeast Maricopa Region	68,471	6,387	9%
Maricopa County	339,217	40,250	12%
Arizona	546,609	74,153	14%
United States	24,258,220	2,867,165	12%

## Table 12. Children (ages 0-5) living in the household of a grandparent, 2010

Source: U.S. Census Bureau. (2010). 2010 Decennial Census, Summary File 1, Table P41

#### Table 13. Grandparents responsible for grandchildren (ages 0-17) living with them

		PERCENT OF GRANDCHILDREN
	GRANDCHILDREN UNDER 18 LIVING	UNDER 18 LIVING WITH A
	WITH GRANDPARENT	GRANDPARENT HOUSEHOLDER
GEOGRAPHY	HOUSEHOLDER	WHO IS RESPONSIBLE FOR THEM
Southeast Maricopa Region	12,105	45%
Maricopa County	78,289	48%
Arizona	147,707	51%
United States	5,781,786	49%

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B10002

Note: This table includes both (a) grandchildren living with grandparents with no parent present and (b) grandchildren who live in multigenerational homes where the grandparent has assumed responsibility for the child, despite the presence of a parent.

# **Economic Circumstances**

# Why it Matters

A family's economic stability is a powerful predictor of child well-being and is one of the key social determinants of health.<sup>39</sup> Factors contributing to economic stability—or lack thereof—include **poverty**, **food insecurity**, **employment**, and **housing instability**.<sup>40</sup>

**Poverty**. Childhood poverty can negatively affect the way children's bodies grow and develop, including fundamental changes to the architecture of the brain.<sup>41</sup> Children raised in poverty are at a greater risk of a host of negative outcomes including low birth weight, lower school achievement, and poor health.<sup>42,43,44,45,46</sup> They are also more likely to remain poor later in life.<sup>47,48</sup> As a benchmark, the 2019 Federal Poverty Guideline—the criterion used for establishing eligibility for some safety net programs—for a family of four was \$25,750.<sup>49</sup> However, the federal poverty guideline definition of poverty was developed in the 1950s, and estimates only what a family would need to earn to afford basic nutrition, without taking into account other costs of living; it is widely considered to be well below what a family actually needs to earn to make ends meet. The "self-sufficiency standard" attempts to estimate how much families need to earn to fully support themselves, accounting for local costs of housing, transportation, and child care, and other budget items.<sup>50</sup> The 2018 self-sufficiency standard for an Arizona family with two adults, one preschooler, and one school-age child was \$56,143—over twice the poverty threshold.<sup>51</sup>

Public assistance programs are one way of counteracting the effects of poverty and providing supports to children and families in need. The Temporary Assistance for Needy Families (TANF) Cash Assistance program provides temporary cash benefits and support services to children and families. Eligibility is based on citizenship or qualified resident status, Arizona residency, and limits on resources and monthly income.

**Food insecurity**. A limited or uncertain availability of food is negatively associated with many markers of health and well-being for children, including heightened risks for developmental delays<sup>52</sup> and being overweight or obese .<sup>53</sup> To help reduce food insecurity, there are a variety of federally-funded programs including the Supplemental Nutrition Assistance Program (SNAP),<sup>54</sup> the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC),<sup>55</sup> the National School Lunch Program,<sup>56</sup> the School Breakfast Program,<sup>57</sup> the Summer Food Service Program,<sup>58</sup> and the Child and Adult Care Food Program (CACFP).<sup>59</sup> However, only about 58 percent of food insecure households nationwide report participating in federally-funded nutrition assistance programs.<sup>60</sup>

*SNAP.* Administered by the Arizona Department of Economic Security and also referred to as "Nutrition Assistance" and "food stamps," SNAP has been shown to help reduce hunger and improve access to healthier food.<sup>61</sup> SNAP benefits support working families whose incomes simply do not provide for all their needs. For low-income working families, the additional funds

available to access food from SNAP can help make a meaningful difference. For example, for a three-person family with one person who earns a minimum wage, SNAP benefits can boost take-home income by 10-20 percent.<sup>62</sup>

*WIC.* Administered by the Arizona Department of Health Services, this federally-funded program serves pregnant, postpartum, and breastfeeding women, as well as infants and young children (under the age of five) who are economically disadvantaged (i.e., family incomes at or below 185 percent of the federal poverty level). The program offers funds for nutritious food, breastfeeding and nutrition education, and referrals to health and social services.<sup>63</sup> Participation in WIC has been shown to be associated with healthier births, lower infant mortality, improved nutrition, decreased food insecurity, improved access to health care, and improved cognitive development and academic achievement for children.<sup>64</sup>

*National School Lunch Program.* Administered by the Arizona Department of Education, the National School Lunch Program provides free and reduced-price meals at school for students whose family incomes are at or less than 130 percent of the federal poverty level for free lunch, and 185 percent of the federal poverty level for reduced-price lunch.

**Employment**. Unemployment and underemployment can affect a family's ability to meet the expenses of daily living, as well as their access to resources needed to support their children's well-being and healthy development. A parent's job loss can affect children's school performance, leading to poorer attendance, lower test scores, and higher risk of grade repetition, suspension, or expulsion.<sup>65</sup> Unemployment can also put families at greater risk for stress, family conflict, and homelessness.<sup>66</sup> Note that this does not include persons who have dropped out of the labor force entirely, including those who wanted to but could not find suitable work and so have stopped looking for employment.<sup>67</sup>

**Housing instability**. Examining indicators related to housing quality, costs, and availability can reveal additional factors affecting the health and well-being of young children and their families in a region. Housing challenges such as issues paying rent or mortgage, overcrowded living conditions, unstable housing arrangements, and homelessness can have harmful effects on the physical, social-emotional, and cognitive development of young children.<sup>68</sup> Traditionally, housing has been deemed affordable for a family if it costs less than 30 percent of their annual income.<sup>69</sup> High housing costs, relative to family income, are associated with increased risk for overcrowding, frequent moving, poor nutrition, declines in mental health, and homelessness.<sup>70,71</sup>

One increasingly critical need for modern homes is a reliable means of internet access. Families often rely on communication and information technologies to access information, connect socially, pursue an education, and apply for employment opportunities. Parents are also more likely to turn to online resources, rather than in-person resources, for information about obtaining health care and sensitive parenting topics including bonding, separation anxiety, and managing parenting challenges.<sup>72</sup> The term "digital divide" refers to disparities in

communication and information technologies,<sup>73</sup> and the lack of sustained access to information and communication technologies in low-income communities is associated with economic and social inequality.<sup>74</sup> Low-income households may experience regular disruptions to this increasingly important service when they can't pay bills, repair or update equipment, or access public locations that may offer connectivity (e.g., computers at local libraries).<sup>75</sup> Nationally, Americans are increasingly reliant on smartphones as their sole source of internet access. Particularly for individuals who are younger, lower-income, and non-white, broadband service at home is less common and smartphone-only internet use is more common.<sup>76</sup> Households in rural areas typically experience more limited coverage from mobile networks and slower-speed internet services, as well as limited internet provider options which can result in higher monthly costs.<sup>77,78,79</sup>

## What the Data Tell Us

## Poverty

- Thirteen percent of residents in the Southeast Maricopa Region live in poverty, which is slightly lower than in Maricopa County (16%) and the state (17%). When it comes to young children, almost one in five (19%) lives in poverty in Southeast Maricopa. While this percentage is higher than that of the total (all-age) population in the region living in poverty, it is lower than the proportion of children age 0-5 living in poverty across the county (24%) and state (26%) (Figure 3).
- Across household types, median annual family income is higher in Maricopa County than in Arizona as a whole. Median income for married couple families with children in Maricopa County (\$86,236) is nearly three times the median income for single-female headed families (\$29,285) (Table 14).
- Eligibility for some public assistance programs is determined by different poverty thresholds. For example, family income at or below 141% of the federal poverty threshold is one criterion for eligibility for AHCCCS<sup>iv</sup> for children ages 1 to 5, and at or below 147% of the federal poverty threshold for children under 1 year old.<sup>80</sup> In the Southeast Maricopa Region, the percentage of families with young children who may qualify for AHCCCS (those under 130% of FPL and between 130% and 149% of FPL) is lower than the county and state overall (28%, 36%, and 38%, respectively) (Table 15 & Figure 4).
- Between 2015 and 2018, the percentages of both families and young children receiving Temporary Assistance for Needy Families (TANF) declined over time and were low for the region (2%), county (3%), and state (3%) (Table 16 & Table 17).

## **Food Insecurity**

- While participation in the Supplemental Nutrition Assistance Program (SNAP) by families and young children also declined between 2015 and 2018, SNAP still served as an economic resource for many families (28%) and young children (29%) in the region (Table 18 & Table 19).
- Since the 2015-2016 school year, the percentage of students eligible for free or reduced-price lunch in the Southeast Maricopa Region has slightly but steadily declined, from 43 percent in 2015-2016 to 39 percent in 2018-2019. This is a lower percentage of eligible children than in the county (53%) and state (56%) (Table 20).

<sup>&</sup>lt;sup>iv</sup> AHCCCS is Arizona's Medicaid agency

## Employment

- Rates of adult employment in Southeast Maricopa (61%) are higher than rates in the county (60%) and state (55%) as well as the US as a whole (59%). Unemployment rates in both the county and the state declined from 2015 to 2018 (Table 21 and Figure 5).
- Fifty-nine percent of households with young children have all parents present in the household in the labor force. The percent of young children living with two parents, both of whom are in the labor force (37%), was higher in the region than the county (33%) or state (31%) whereas the percent of young children living with one parent, in the labor force (22%) was lower than the county (27%) and state (29%). Over a third of young children (34%) live in a two-parent household where one parent is not in the labor force (Table 22).

## **Housing Instability**

- About one-third (31%) of households in the region are spending 30 percent or more of their total household income<sup>v</sup> on housing, a proportion comparable at the county, state, and national levels (Table 23).
- About three-quarters (73%) of households in the region have both a smartphone and computer, higher than county (71%), state (67%), and national (66%) numbers. The majority (88%) of Southeast Maricopa residents live in households with a computer and internet. This is slightly higher than state and national proportions (Table 24 & Table 25).
- For children specifically, household access to a computer and internet in the region is even higher (90%) (Table 26).
- Of people living in households with a computer and internet in the region, nine percent rely solely on a cellular data plan (Table 27).

<sup>&</sup>lt;sup>v</sup> Household income includes wage or salary income, self-employment income, interest, dividends, net rental income, income from estates and trusts, Social Security or Railroad Retirement income, Supplemental Security Income (SSI), cash public assistance income (from programs such as TANF), and retirement, survivor, or disability income for all individuals in a household. Total household income is divided by 12 and compared to monthly housing costs to calculate costs of housing as a percent of household income

## Poverty

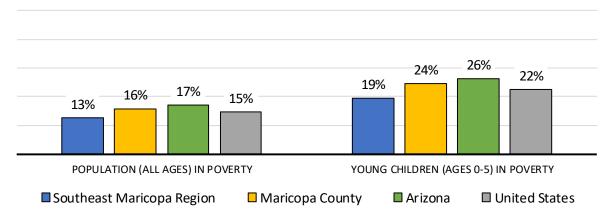


Figure 3. Percent of population (all ages) and young children (ages 0-5) living in poverty

### Table 14. Median annual family income

		MEDIAN INCOME FOR	MEDIAN INCOME FOR	MEDIAN INCOME FOR
		MARRIED COUPLE	FAMILIES WITH	FAMILIES WITH
	MEDIAN INCOME	FAMILIES WITH	CHILDREN (0-17),	CHILDREN (0-17),
GEOGRAPHY	FOR ALL FAMILIES	CHILDREN (0-17)	SINGLE MALE HEAD	SINGLE FEMALE HEAD
Maricopa County	\$69,647	\$86,236	\$41,079	\$29,285
Arizona	\$63,812	\$80,533	\$38,650	\$26,907
United States	\$70,850	\$91,621	\$41,054	\$26,141

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B19126

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B17001

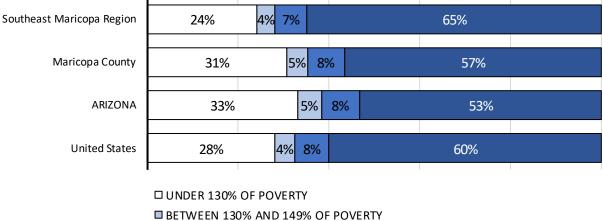
CEO CRADUNI	TOTAL NUMBER OF FAMILIES WITH YOUNG CHILDREN	PERCENT UNDER 130%	PERCENT BETWEEN 130% AND 149% OF		PERCENT ABOVE 185% OF
GEOGRAPHY Southeast Maricopa Region	(AGES 0-5) 37,746	OF POVERTY 24%	POVERTY 4%	POVERTY 7%	POVERTY 65%
Maricopa County	187,025	31%	5%	8%	57%
Arizona	295,926	33%	5%	8%	53%
United States	13,951,604	28%	4%	8%	60%

### Table 15. Families with young children (ages 0-5) living at various poverty thresholds

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Tables B17001 & B17022

Note: Poverty refers to the poverty threshold used by the U.S. Census Bureau to determine whether or not a family lives in poverty based on their income. In 2017, the most recent year of ACS data used in this report, the poverty threshold for a family of four was \$24,848. For more information about poverty thresholds, see <u>https://www.census.gov/topics/income-poverty/poverty/quidance/poverty-measures.html</u>

## Figure 4. Families with young children (ages 0-5) living at various poverty thresholds



BETWEEN 150% AND 184% OF POVERTY

ABOVE 185% OF POVERTY

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Tables B17001 & B17022

Note: Poverty refers to the poverty threshold used by the U.S. Census Bureau to determine whether or not a family lives in poverty based on their income. In 2017, the most recent year of ACS data used in this report, the poverty threshold for a family of four was \$24,848. For more information about poverty thresholds, see <u>https://www.census.gov/topics/income-poverty/poverty/guidance/poverty-measures.html</u>

		NUMBER OF FAMILIES			PERCENT OF	
	HOUSEHOLDS	EHOLDS PARTICIPATING IN TANF			١F	HOUSEHOLDS WITH
	WITH ONE OR					YOUNG CHILDREN
	MORE CHILDREN				(0-5) PARTICIPATING	
GEOGRAPHY	(AGES 0-5)	FY 2015	FY 2016	FY 2017	FY 2018	IN TANF IN 2018
Southeast Maricopa Region	47,562	1,430	1,225	1,074	882	2%
Maricopa County	238,955	11,047	9,880	8,235	6,816	3%
Arizona	384,441	18,165	16,399	14,188	12,042	3%

## Table 16. Families participating in the TANF program, Fiscal Years 2015 to 2018

Sources: U.S. Census Bureau. (2010). 2010 Decennial Census, Summary File 1, Table P20 & Arizona Department of Economic Security, Division of Benefits and Medical Eligibility. (2019). Unpublished data received by request

## Table 17. Children participating in the TANF program, Fiscal Years 2015 to 2018

	NUMBER OF YOUNG CHILDREN (AGES 0-5) IN THE	NUMBER OF CHILDREN PARTICIPATING IN TANF			PERCENT OF YOUNG CHILDREN (0-5) PARTICIPATING	
GEOGRAPHY	POPULATION	FY 2015	FY 2016	FY 2017	FY 2018	IN TANF IN 2018
Southeast Maricopa Region	68,471	1,878	1,660	1,486	1,206	2%
Southeast Maricopa Region Maricopa County	<b>68,471</b> 339,217	<b>1,878</b> 14,681	<b>1,660</b> 13,651	<b>1,486</b> 11,526	<b>1,206</b> 9,450	<b>2%</b> 3%

Sources: U.S. Census Bureau. (2010). 2010 Decennial Census, Summary File 1, Table P20 & Arizona Department of Economic Security, Division of Benefits and Medical Eligibility. (2019). Unpublished data received by request

## **Food Insecurity**

	HOUSEHOLDS	NUMBER	NUMBER OF FAMILIES PARTICIPATING			PERCENT OF
	WITH ONE OR		IN SNAP			HOUSEHOLDS WITH
	MORE				YOUNG CHILDREN	
	CHILDREN					(0-5) PARTICIPATING
GEOGRAPHY	(AGES 0-5)	FY 2015	FY 2016	FY 2017	FY 2018	IN SNAP IN 2018
Southeast Maricopa Region	47,562	16,386	15,456	14,532	13,114	28%
Maricopa County	238,955	105,526	100,064	93,996	86,368	36%
Arizona	384,441	179,988	172,014	164,092	151,819	39%

## Table 18. Families participating in the SNAP program, Fiscal Years 2015 to 2018

Sources: U.S. Census Bureau. (2010). 2010 Decennial Census, Summary File 1, Table P20 & Arizona Department of Economic Security, Division of Benefits and Medical Eligibility. (2019). Unpublished data received by request

## Table 19. Children participating in the SNAP program, Fiscal Years 2015 to 2018

		NUMBER OF CHILDREN PARTICIPATING IN				PERCENT OF	
	NUMBER OF			SNAP			
	YOUNG CHILDREN					CHILDREN (0-5)	
	(AGES 0-5) IN THE						
GEOGRAPHY	POPULATION	FY 2015	FY 2016	FY 2017	FY 2018	IN SNAP IN 2018	
Southeast Maricopa Region	68,471	22,868	23,344	22,099	19,920	29%	
Maricopa County	339,217	146,960	151,113	142,732	131,502	39%	
Arizona	546,609	249,707	258,556	247,418	229,291	42%	

Sources: U.S. Census Bureau. (2010). 2010 Decennial Census, Summary File 1, Table P20 & Arizona Department of Economic Security, Division of Benefits and Medical Eligibility. (2019). Unpublished data received by request

2010 15				
	STUDENTS ELIGIBLE	STUDENTS ELIGIBLE	STUDENTS ELIGIBLE	STUDENTS ELIGIBLE
	FOR FREE OR	FOR FREE OR	FOR FREE OR	FOR FREE OR
	REDUCED-PRICE	REDUCED-PRICE	REDUCED-PRICE	REDUCED-PRICE
GEOGRAPHY	LUNCH (2015-16)	LUNCH (2016-17)	LUNCH (2017-18)	LUNCH (2018-19)
C 11 1 55 1				
Southeast Maricopa	420/	430/	410/	20%
Region	43%	42%	41%	39%
•	<b>43%</b> 55%	<b>42%</b> 54%	<b>41%</b> 54%	<b>39%</b> 53%

## Table 20. Percent of students (all grades) eligible for free or reduced-price lunch, 2015-16 to 2018-19

Source: Arizona Department of Education. (2019). 2015-16 to 2018-19 Free & Reduced-Price Lunch Data. Custom tabulation of eligibility data

## Employment

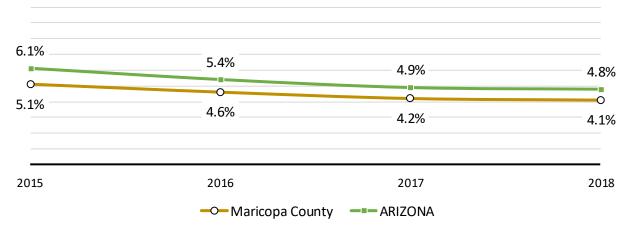
Table 21. Adult population (ages 16 and older) who are employed, unemployed, or not in the labor force

	TOTAL			
	POPULATION			PERCENT WHICH
	(AGES 16 AND	PERCENT WHICH	PERCENT WHICH	IS NOT IN THE
GEOGRAPHY	OLDER)	IS EMPLOYED	IS UNEMPLOYED	LABOR FORCE
Southeast Maricopa Region	613,953	61%	4%	35%
Maricopa County	3,240,638	60%	4%	36%
Arizona	5,371,341	55%	4%	40%
United States	255,797,692	59%	4%	37%

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B23025

Note: The labor force includes all persons who are currently employed, including those on leave, furlough, or temporarily laid off. Persons who are unemployed but actively looking for work are also considered to be in the labor force. Persons who are not working or looking for work (e.g., retired persons, stay-at-home parents, students) are considered to be "not in the labor force" in the American Community Survey.

Figure 5. Annual unemployment rates, not seasonally adjusted, 2015 to 2018



Source: Arizona Labor Statistics. (2019). Local Area Unemployment Statistics (LAUS). Retrieved from <u>https://laborstats.az.gov/local-area-unemployment-statistics</u>

	TOTAL NUMBER		WITH TWO			
	OF CHILDREN	WITH TWO	PARENTS,	WITH TWO		WITH ONE
	(AGES 0-5)	PARENTS,	ONE IN	PARENTS,	WITH ONE	PARENT,
	LIVING IN	BOTH IN	LABOR	NEITHER IN	PARENT, IN	NOT IN
	FAMILIES OR	LABOR	FORCE AND	LABOR	LABOR	LABOR
GEOGRAPHY	SUBFAMILIES	FORCE	ONE NOT	FORCE	FORCE	FORCE
Southeast Maricopa	66,674	37%	34%	2%	22%	6%
Region	00,074	37/8	34/0	270	22/0	078
Maricopa County	319,871	33%	30%	1%	27%	9%
Arizona	498,102	31%	29%	1%	29%	10%
United States	22,939,897	38%	26%	1%	27%	8%

## Table 22. Parents of young children (ages 0-5) who are or are not in the labor force

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B23008

Note: The labor force includes all persons who are currently employed, including those on leave, furlough, or temporarily laid off. Persons who are unemployed but actively looking for work are also considered to be in the labor force. Persons who are not working or looking for work (e.g., retired persons, stay-at-home parents, students) are considered to be "not in the labor force" in the American Community Survey.

## Housing Instability

Table 23. Households who are	e paving thirty percent or mo	re of their income for housing
Table 23. Households who are	e paying timity percent of mo	ie of their income for housing

GEOGRAPHY	TOTAL NUMBER OF OCCUPIED HOUSING UNITS	PERCENT OF HOUSING UNITS FOR WHICH HOUSING COSTS 30% OF INCOME OR MORE
Southeast Maricopa Region	281,776	31%
Maricopa County	1,489,533	32%
Arizona	2,482,311	31%
United States	118,825,921	32%

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B25106

## Table 24. Households with and without computers and smartphones

	TOTAL NUMBER	PERCENT WITH COMPUTER (BUT NO	PERCENT WITH SMARTPHONE (BUT NO	PERCENT WITH BOTH SMARTPHONE AND	PERCENT WITH NEITHER SMARTPHONE NOR
GEOGRAPHY Southeast Maricopa Region	OF HOUSEHOLDS 281,776	SMARTPHONE)	COMPUTER)	COMPUTER 73%	COMPUTER 9%
Maricopa County	1,489,533	11%	8%	71%	10%
Arizona	2,482,311	12%	9%	67%	12%
United States	118,825,921	12%	9%	66%	13%

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B28010

Note: In this table, "computer" includes both desktops and laptops.

Table 25. Persons (all ages) in households with and without computers and internet
connectivity

	NUMBER OF	PERCENT IN	PERCENT IN	PERCENT IN
	PERSONS (ALL	HOUSEHOLDS	HOUSEHOLDS	HOUSEHOLDS
	AGES) LIVING IN	WITH COMPUTER	WITH COMPUTER	WITHOUT
GEOGRAPHY	HOUSEHOLDS	AND INTERNET	BUT NO INTERNET	COMPUTER
Southeast Maricopa Region	798,406	88%	5%	7%
Maricopa County	4,103,358	84%	8%	8%
Arizona	6,656,124	82%	9%	9%
United States	312,916,765	83%	9%	9%

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B28005

Table 26. Children (ages 0-17) in households with and without computers and internet connectivity

	NUMBER OF	PERCENT IN	PERCENT IN	PERCENT IN
	CHILDREN (AGES	HOUSEHOLDS	HOUSEHOLDS	HOUSEHOLDS
	0-17) LIVING IN	WITH COMPUTER	WITH COMPUTER	WITHOUT
GEOGRAPHY	HOUSEHOLDS	AND INTERNET	BUT NO INTERNET	COMPUTER
Southeast Maricopa Region	213,001	90%	5%	5%
Maricopa County	1,029,584	83%	9%	7%
Arizona	1,619,346	83%	10%	8%
United States	73,392,369	85%	9%	5%

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B28005

HOUSEHOLDSFIXEDBROADBANDCELLULAR DATAWITH COMPUTERBROADBANDWITHOUTPLAN, WITHOUTDAND INTERNETWITH CELLULARCELLULAR DATAFIXEDINTGEOGRAPHY(ALL AGES)DATA PLANPLANBROADBANDSoutheast Maricopa Region703,76656%35%9%Maricopa County3,443,07656%34%9%Arizona5,475,31154%35%10%						
HOUSEHOLDS WITH COMPUTER AND INTERNET GEOGRAPHYFIXED BROADBAND WITH CELLULAR DATA PLANBROADBAND WITHOUT CELLULAR DATA PLAN, WITHOUT BROADBANDCELLULAR DATA PLAN, WITHOUT BROADBANDSoutheast Maricopa Region703,76656%35%9%Maricopa County3,443,07656%34%9%Arizona5,475,31154%35%10%				PERCENT WITH		
WITH COMPUTER AND INTERNET (ALL AGES)BROADBAND WITH CELLULAR DATA PLANWITHOUT CELLULAR DATA PLANPLAN, WITHOUT FIXED BROADBANDDSoutheast Maricopa Region703,76656%35%9%1Maricopa County3,443,07656%34%9%1Arizona5,475,31154%35%10%1		PEOPLE LIVING IN	PERCENT WITH	FIXED	PERCENT WITH	PERCENT
AND INTERNET GEOGRAPHYWITH CELLULAR DATA PLANCELLULAR DATA PLANFIXED BROADBANDINT BROADBANDSoutheast Maricopa Region703,76656%35%9%10%Maricopa County3,443,07656%34%9%10%Arizona5,475,31154%35%10%		HOUSEHOLDS	FIXED	BROADBAND	CELLULAR DATA	WITH
GEOGRAPHY(ALL AGES)DATA PLANPLANBROADBANDSoutheast Maricopa Region703,76656%35%9%Maricopa County3,443,07656%34%9%Arizona5,475,31154%35%10%		WITH COMPUTER	BROADBAND	WITHOUT	PLAN, WITHOUT	DIAL-UP
Southeast Maricopa Region         703,766         56%         35%         9%           Maricopa County         3,443,076         56%         34%         9%           Arizona         5,475,311         54%         35%         10%		AND INTERNET	WITH CELLULAR	CELLULAR DATA	FIXED	INTERNET
Region         703,766         56%         35%         9%           Maricopa County         3,443,076         56%         34%         9%           Arizona         5,475,311         54%         35%         10%	GEOGRAPHY	(ALL AGES)	DATA PLAN	PLAN	BROADBAND	ONLY
Region         3,443,076         56%         34%         9%           Arizona         5,475,311         54%         35%         10%	Southeast Maricopa	702 766	E <i>C</i> 0/	250/	0%	<1%
Arizona         5,475,311         54%         35%         10%	Region	705,700	50%	55%	5%	<b>N1%</b>
	Maricopa County	3,443,076	56%	34%	9%	<1%
United States 258 521 020 550/ 250/ 100/	Arizona	5,475,311	54%	35%	10%	1%
United States 256,551,929 55% 55% 10%	United States	258,531,929	55%	35%	10%	1%

Table 27. Households by type of internet access (b	(broadband, cellular data, and dial-up)
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Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B28008

## **Educational Indicators**

## Why it Matters

Measures of educational engagement and achievement in a community have important implications for the developmental and economic resources available to children and families in that region. Individuals with higher levels of education tend to live longer and healthier lives.<sup>81</sup> Indicators such as school attendance and absenteeism, achievement on standardized testing, high school graduation rates, and adult educational attainment can provide valuable information about a region's educational engagement and success.

**School attendance and absenteeism.** School attendance and academic engagement early in life can significantly impact the direction of a child's schooling trajectory. Chronic absenteeism is defined as missing more than 10 percent of the school days within a school year, and it affects even the youngest children, with more than 10 percent of US kindergarteners and first graders considered chronically absent.<sup>82</sup> Poor school attendance can cause children to fall behind, leading to lower proficiency in reading and math and increased risk of not being promoted to the next grade.<sup>83</sup> Consistent school attendance is particularly important for children from economically disadvantaged backgrounds, the group of children most at risk for chronic absenteeism.<sup>84,85</sup>

Achievement on standardized testing. A child's third-grade reading comprehension skills have been identified as a critical indicator of future academic success.<sup>86</sup> Students who are at or above grade level reading in third grade are more likely to go on to graduate high school and attend college.<sup>87</sup> The link between poor reading skills and risk of dropping out of high school is even stronger for children living in poverty. More than a quarter (26%) of children who were living in poverty and not reading proficiently in third grade did not finish high school by age 19 whereas only four percent of proficient 3<sup>rd</sup> grade readers, regardless of poverty status, fail to graduate.<sup>88</sup>

In 2010, the Arizona legislature, recognizing the importance of early identification and targeted intervention for struggling readers, enacted *Move on When Reading* legislation. As of 2015, the statewide assessment tool for English language arts (ELA), including reading and writing, is Arizona's Measurement of Education Readiness to Inform Teaching (AzMERIT).<sup>vi,89</sup>

AzMERIT scores are used to determine promotion from the third grade in accordance with the *Move on When Reading* policy. *Move on When Reading* legislation states that a student shall not be promoted to fourth grade if their reading score falls far below the third-grade level, as established by the State Board of Education.<sup>90</sup> Exceptions exist for students identified with or being evaluated for learning disabilities and/or reading impairments, English language learners,

<sup>&</sup>lt;sup>vi</sup> AzMERIT was renamed AzM2, a change that will take effect during the 2019-20 school year.

and those who have demonstrated reading proficiency on alternate forms of assessment approved by the State Board of Education.

**Graduation rates and adult educational attainment.** Ultimately, adult educational attainment speaks to the assets and challenges of a community's workforce, including those who are working with or on behalf of young children and their families. Adults who have graduated from high school have better health and financial stability, lower risk for incarceration, and better socio-emotional outcomes compared to adults who dropped out of high school.<sup>91,92</sup> Children whose parents have higher levels of education are more likely to have positive outcomes related to school readiness and educational achievement, promoting academic success across generations.<sup>93</sup> Given the cascading effect of early education on later academic achievement and success in adulthood, it is critical to provide substantial support for early education and promote policies and programs that encourage the persistence and success of Arizona's children.

## What the Data Tell Us

## School Attendance and Absenteeism

- In the 2018-2019 school year, 2,723 children were enrolled in preschool in the Southeast Maricopa Region. Kindergarten through 3rd grade enrollments for the region were all relatively similar, ranging from a low of 11,102 in 2<sup>nd</sup> grade to a high of 11,307 in 1<sup>st</sup> grade (Table 28).
- Kindergarten through 3rd grade chronic absence rates increased from 2015-2016 to 2018-2019 at the regional, county, and state level. During the 2018-2019 school year, the Southeast Maricopa Region had a seven percent chronic absence rate, with 3,988 students (kindergarten through 3rd grade )in the region chronically absent (Table 29 & Table 30).
- By grade level, chronic absences ranged from six percent to nine percent in the Southeast Maricopa Region. In the region, county, and state, chronic absences were highest among kindergarteners (9%, 12%, 13% respectively) (Table 31).

## Achievement on Standardized Testing

- Over half of 3rd grade students are meeting or exceeding proficiency expectations for 3rd grade literacy. The proportion of students meeting or exceeding proficiency expectations for math has risen steadily in recent years and is approaching two-thirds.
- Arizona's Measurement of Educational Readiness to Inform Teaching (AzMERIT) 3rd Grade English Language Arts passing rates for the Southeast Maricopa Region (52%) surpassed county (46%) and state passing rates (44%) in 2017-2018 (Table 32 & Figure 7).
- AzMERIT 3rd Grade Math passing rates for the Southeast Maricopa Region (62%) also surpassed county (56%) and statewide (53%) passing rates in 2017-2018 (Table 33 & Figure 8).
- AzMERIT 3rd Grade Math passing rates have improved over time at the region and state level, with regional passing rates increasing from 55 percent in 2015-2016 to 62 percent in 2017-2018 (Figure 9).

## Graduation Rates and Adult Educational Attainment

- In 2017, the four-year high school graduation rate for the region was 82 percent and the five-year graduation rate was 85 percent. In recent years, both the four-year and five-year high school graduation rates in the Southeast Maricopa Region have slightly surpassed those across the county and state (Table 34, Table 35, & Table 36).
- The 7th-12th grade dropout rate for Southeast Maricopa has remained low in recent years (Table 37).

- A larger proportion of adults have more than a high-school education in the Southeast Maricopa Region (67%) than in Maricopa County (64%), Arizona (62%), and the United States overall (60%) (Figure 10).
- This difference is also seen specifically in mothers giving birth. In the Southeast Maricopa Region, a higher proportion of births were to mothers who had more than a high-school education (68%) compared to the county (58%) and state (56%) (Table 38).

## School Attendance and Absenteeism

GEOGRAPHY	PRESCHOOL	KINDERGARTEN	1ST GRADE	2ND GRADE	3RD GRADE
Southeast Maricopa Region	2,723	11,198	11,307	11,102	11,285
Maricopa County	13,795	53,211	54,509	54,333	55,157
Arizona	21,238	79,990	81,913	81,951	83,037

## Table 28. Students enrolled in preschool through 3rd grade, 2018-19

Source: Arizona Department of Education (2019). 2018-19 October 1 Enrollments. Custom tabulation of enrollment data facilitated by state agency staff.

Note: Data on enrollments were calculated at the district-level. Where districts were split between regions, district enrollments were apportioned to regions based on the percentage of K-3 students in each region within the district. See Appendix 3 for a full list of districts within the region, including split districts.

#### Table 29. Chronic absence rates, Kindergarten through 3rd grade, 2015-16 to 2018-19

	CHRONIC ABSENCE	CHRONIC ABSENCE	CHRONIC ABSENCE	CHRONIC ABSENCE
GEOGRAPHY	RATE (2015-16)	RATE (2016-17)	RATE (2017-18)	RATE (2018-19)
Southeast Maricopa Region	6%	6%	7%	7%
Maricopa County	8%	9%	10%	10%
Arizona	9%	10%	11%	12%

Source: Arizona Department of Education. (2019). 2015-16 to 2018-19 Chronic Absenteeism Data. Unpublished data received by request

Note: The definition of chronic absenteeism used in this table includes children who are absent due to chronic illness.

		NUMBER OF STUDENTS	
	TOTAL NUMBER OF	WITH CHRONIC	
GEOGRAPHY	STUDENTS	ABSENCES	CHRONIC ABSENCE RATE
Southeast Maricopa Region	55,024	3,988	7%
Maricopa County	266,377	26,761	10%
Arizona	402,206	46,482	12%

Source: Arizona Department of Education. (2019). 2018-19 Chronic Absenteeism Data. Unpublished data received by request

Note: The definition of chronic absenteeism used in this table includes children who are absent due to chronic illness.

		CHRONIC	CHRONIC	CHRONIC	
	CHRONIC	ABSENCE	ABSENCE	ABSENCE	CHRONIC
	ABSENCE RATE	RATE	RATE	RATE	ABSENCE RATE
GEOGRAPHY	(KINDERGARTEN)	(1ST GRADE)	(2ND GRADE)	(3RD GRADE)	(K-3RD GRADE)
Southeast Maricopa Region	9%	7%	7%	6%	7%
Southeast Maricopa Region Maricopa County	<b>9%</b> 12%	<b>7%</b> 11%	<b>7%</b> 9%	<b>6%</b> 8%	<b>7%</b> 10%

#### Table 31. Chronic absence rates for students by grade (Grade K-3), 2018-19

Source: Arizona Department of Education. (2019). 2015-16 to 2018-19 Chronic Absenteeism Data. Unpublished data received by request

Note: The definition of chronic absenteeism used in this table includes children who are absent due to chronic illness.

## Achievement on Standardized Testing

	STUDENTS	FALLS FAR				
GEOGRAPHY	TESTED	BELOW	APPROACHES	MEETS	EXCEEDS	PASSING
Southeast Maricopa Region	11,619	35%	13%	34%	18%	52%
Maricopa County	55,658	41%	13%	30%	15%	46%
Arizona	84,922	43%	13%	30%	14%	44%

### Table 32. AzMERIT Assessment Results: 3rd Grade English Language Arts, 2017-18

Source: Arizona Department of Education. (2019). 2017-18 AzMERIT Assessment Results. Custom tabulation of assessment data

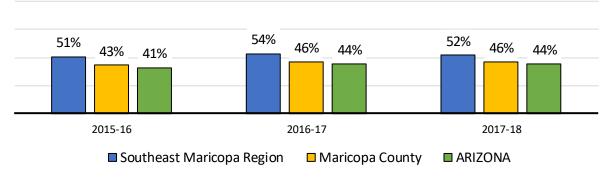
Note: The passing rate for Maricopa County is 46%, which is the total of the students in the "meets" and "exceeds" category. Please note that due to rounding, whole numbers may not directly add up. County and state numbers are drawn directly from the published AzMERIT Assessment results for the counties and the state available at <a href="https://www.azed.gov/accountability-research/data/">https://www.azed.gov/accountability-research/data/</a>

#### Figure 6. AzMERIT Assessment Results: 3rd Grade English Language Arts, 2017-18

Southeast Maricopa Region	35%	1	13%		34%		18%
Maricopa County	41%		13%	6	30%		15%
ARIZONA	43%		13	%	30%	6	14%
	G FALLS FAR BELOW		ACHES	MEETS	5 EXCE	EDS	

Source: Arizona Department of Education. (2019). 2017-18 AzMERIT Assessment Results. Custom tabulation of assessment data

# Figure 7. Trends in passing rates for 3rd-grade English Language Arts AzMERIT, 2015-16 to 2017-18



Source: Arizona Department of Education. (2019). 2017-18 AzMERIT Assessment Results. Custom tabulation of assessment data

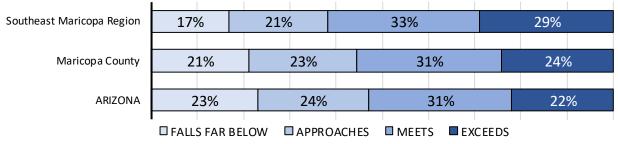
	STUDENTS	FALLS FAR				
GEOGRAPHY	TESTED	BELOW	APPROACHES	MEETS	EXCEEDS	PASSING
Southeast Maricopa Region	11,636	17%	21%	33%	29%	62%
Maricopa County	55,770	21%	23%	31%	24%	56%
Arizona	85,105	23%	24%	31%	22%	53%

#### Table 33. AzMERIT Assessment Results: 3rd Grade Math, 2017-18

Source: Arizona Department of Education. (2019). 2017-18 AzMERIT Assessment Results. Custom tabulation of assessment data

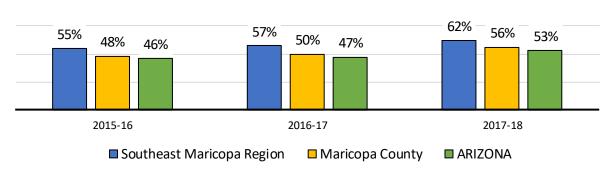
Note: The passing rate for Maricopa County is 46%, which is the total of the students in the "meets" and "exceeds" category. Please note that due to rounding, whole numbers may not directly add up. County and state numbers are drawn directly from the published AzMERIT Assessment results for the counties and the state available at <u>https://www.azed.gov/accountability-research/data/</u>

### Figure 8. AzMERIT Assessment Results: 3rd Grade Math, 2017-18



Source: Arizona Department of Education. (2019). 2017-18 AzMERIT Assessment Results. Custom tabulation of assessment data

## Figure 9. Trends in passing rates for 3rd-grade Math AzMERIT, 2015-16 to 2017-18



Source: Arizona Department of Education. (2019). 2017-18 AzMERIT Assessment Results. Custom tabulation of assessment data

## **Graduation Rates and Adult Educational Attainment**

						DROPOUT
	FOUR-YEAR		FOUR-YEAR		FIVE-YEAR	RATE (7TH
	SENIOR	FOUR-YEAR	GRADUATION	FIVE-YEAR	GRADUATION	TO 12TH
GEOGRAPHY	COHORT	GRADUATES	RATE	GRADUATES	RATE	GRADES)
Southeast Maricopa						
· · · · · · · · · · · · · · · · · · ·	11 172	0 1 0 0	07%	0 501	95%	2%
Region	11,173	9,109	82%	9,501	85%	3%
•	<b>11,173</b> 56,332	<b>9,109</b> 43,992	<b>82%</b> 78%	<b>9,501</b> 46,414	<b>85%</b> 82%	<b>3%</b> 5%

#### Table 34. Graduation and dropout rates, 2017

Source: Arizona Department of Education. (2019). Cohort 2017 Four Year Graduation Rate Data, Cohort 2017 Five Year Graduation Rate Data, and Dropout Rates 2017. Retrieved from <u>https://www.azed.gov/accountability-research/data/</u>

#### Table 35. Trends in four-year graduation rates, 2015 to 2017

GEOGRAPHY	FOUR-YEAR GRADUATION RATE (2015)	FOUR-YEAR GRADUATION RATE (2016)	FOUR-YEAR GRADUATION RATE (2017)
Southeast Maricopa Region	82%	83%	82%
Maricopa County	80%	81%	78%
Arizona	79%	80%	78%

Source: Arizona Department of Education. (2019). Cohort 2014-2017 Four Year Graduation Rate Data. Retrieved from <a href="https://www.azed.gov/accountability-research/data/">https://www.azed.gov/accountability-research/data/</a>

## Table 36. Trends in five-year graduation rates, 2015 to 2017

GEOGRAPHY	FIVE-YEAR GRADUATION RATE (2015)	FIVE-YEAR GRADUATION RATE (2016)	FIVE-YEAR GRADUATION RATE (2017)
Southeast Maricopa Region	85%	86%	85%
Maricopa County	83%	84%	82%
Arizona	82%	83%	82%

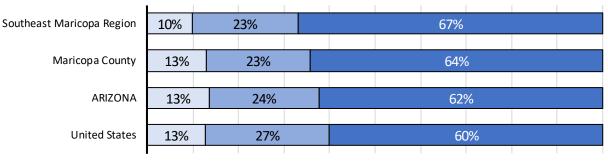
Source: Arizona Department of Education. (2019). Cohort 2014-2017 Five Year Graduation Rate Data. Retrieved from <u>https://www.azed.gov/accountability-research/data/</u>

#### Table 37. Trends in 7th-12th grade dropout rates, 2015-16 to 2017-18

GEOGRAPHY	DROPOUT RATE (2015-16)	DROPOUT RATE (2016-17)	DROPOUT RATE (2017-18)
Southeast Maricopa Region	2%	3%	3%
Maricopa County	4%	5%	5%
Arizona	4%	5%	5%

Source: Arizona Department of Education. (2019). 2015-16 to 2017-18 Dropout Rates. Retrieved from <u>https://www.azed.gov/accountability-research/data/</u>

## Figure 10. Level of education for the adult population (ages 25 and older)



LESS THAN A HIGH-SCHOOL EDUCATION
 A HIGH-SCHOOL EDUCATION or GED
 MORE THAN A HIGH-SCHOOL EDUCATION

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B15002

#### Table 38. Level of education for mothers giving birth during calendar year 2017

		MOTHER HAD LESS		
		THAN A HIGH-	MOTHER HAD	MOTHER HAD
	TOTAL NUMBER	SCHOOL	HIGH-SCHOOL	MORE THAN HIGH-
GEOGRAPHY	OF BIRTHS IN 2017	EDUCATION	DIPLOMA OR GED	SCHOOL
Southeast Maricopa Region	10,479	11%	21%	68%
Southeast Maricopa Region Maricopa County	<b>10,479</b> 52,470	<b>11%</b> 17%	<b>21%</b> 25%	<b>68%</b> 58%

Source: ADHS Office of Disease Prevention and Health Promotion. (2019). Arizona Health Status and Vital Statistics

Note: Due to a small number of births for which the mother's educational attainment is unknown, entries in this table may not sum to 100%.

## **Early Learning**

## Why it Matters

Early childhood is an exciting time of rapid physical, cognitive, and social-emotional development. The experiences young children have during these early years are critical for healthy brain development and set the stage for lifelong learning and well-being. <sup>94,95</sup> Just as rich, stimulating environments can promote development, early negative experiences can have lasting effects. For example, gaps in language development between children from disadvantaged backgrounds and their more advantaged peers can be seen by 18 months of age;<sup>96</sup> those disparities that persist until kindergarten tend to predict later academic problems.<sup>97</sup>

Access to early care and education. Though high-quality early care and education can promote development, families often face barriers in accessing these opportunities for their children. Families living in rural areas are more likely to face an inadequate child care supply, but Arizona families in both urban and rural areas face a gap between the number of young children and the availability of licensed child care.<sup>98,99,100</sup> In fact, Arizona has a deficit of about 22,230 licensed early care and education slots to meet the needs of working families, without accounting for parents continuing their own education, or those not in the workforce but seeking out early learning programs to help assure their preschool age children are able to make a strong start in school.<sup>101</sup> Even when early education is available, the cost can be prohibitive. According to the U.S. Department of Education, only 19 percent of four-year-olds in Arizona are enrolled in publicly-funded free or reduced cost preschool programs, compared to 41 percent nationally.<sup>102</sup> If not enrolled in publicly-funded programs, the annual cost of full-time center-based care for a young child in Arizona is nearly equal to the cost of a year at a public college.<sup>103,104</sup>

Child care subsidies can be a support for families who have financial barriers to accessing early learning services.<sup>105</sup> In June 2019, for the first time since the Great Recession, the Arizona Department of Economic Security's (DES) child care subsidy waiting list was suspended, meaning all children who qualify for subsidies are able to receive them, assuming that they are able to find a provider.<sup>106</sup> This is due to \$56 million in additional federal funds from the Child Care and Development Fund (CCDF) that was authorized by the State Legislature, and the funding increase has also allowed DES to increase provider reimbursement rates, which may make it easier for families to use their child care subsidies.<sup>107</sup>

**High quality early care and education.** In addition to the early experiences children have in their homes, high quality early care and education services can also promote physical, cognitive, and social-emotional development and health, particularly for children from disadvantaged backgrounds.<sup>108,109,110</sup> Children whose education begins in high quality preschool programs repeat grades less frequently, obtain higher scores on standardized tests, experience

fewer behavior problems, and are more likely to graduate from high school.<sup>111</sup> This translates into a return on investment to society through increased educational achievement and employment, reductions in crime, and better overall health of children as they mature into adults.<sup>112,113</sup> Not only does access to affordable, quality child care make a positive difference for children's health and development, it also allows parents to maintain stable employment and support their families.<sup>114</sup>

Establishing that available early care and education programs meet quality standards is important to ensure these early environments support positive outcomes for children's wellbeing, academic achievement, and success later in life.<sup>115</sup> Providers are considered quality educational environments by the Arizona Department of Economic Security if they receive a Quality First three-star rating or higher (see below) or are accredited by a national organization, such as the Association for Early Learning Leaders or the National Association for the Education of Young Children (NAEYC).<sup>116</sup>

High quality early education environments have teachers with more education, experience, and supports that increase their skills in developing positive teacher-child interactions, providing enriching age-appropriate experiences and guiding appropriate behaviors.<sup>117</sup> These quality environments may be particularly important for children with challenging behaviors, because lower teacher-child ratios and access to professional development and early childhood mental health consultation can help avoid preschool expulsion.<sup>118,119,120</sup>

Quality First is Arizona's Quality Improvement and Rating System (QIRS) for early child care and preschool providers.<sup>121</sup> A Quality First Star Rating represents where along the continuum of quality (1 to 5 stars) a program was rated and how they are implementing early childhood best practices. One star indicates a program is participating in Quality First, is regulated, in good standing, and is making the commitment to work on quality improvement. Three stars indicate that a program meets quality standards, and families can be confident that children are well cared for in such an environment. Five stars indicate the highest level of quality attainable, where families will find low staff-child ratios and group sizes, highly educated personnel, and strong curriculum which optimizes children's comprehensive development. The number of providers across the state that meet quality standards (three-star rating or higher) has increased across the last 5 years such that 25 percent of the 857 participating providers in 2013 met or exceeded quality standards, and 76 percent of 1,032 participating providers in 2019 met or exceeded quality standards.<sup>122</sup>

High quality early care and education practices, including lower teacher-child ratios, access to professional development, and early childhood mental health consultation, can help avoid preschool expulsion.<sup>123, 124</sup> Nationally, preschool expulsions and suspensions occur at high rates and disproportionately impact children of color, specifically young Black boys.<sup>125,126</sup> In 2016, an estimated 50,000 preschoolers were suspended and 17,000 preschoolers expelled nationwide, with Black children 2.2 times more likely to be suspended or expelled than other children.<sup>127</sup>

The U.S. Department of Education Office of Civil Rights began collecting data on preschool suspension and expulsion in 2011 and, as a result of federal changes to the Child Care Development Block Grant in 2014, Arizona began collecting provider-reported data on early learning environment expulsion in 2017.<sup>128,129</sup> Given the positive impact of early educational experiences on children's cognitive and emotional development and the negative impact of suspension and expulsion on educational outcomes, it is essential to identify areas with higher rates of expulsion to provide targeted supports.<sup>130</sup>

As an alternative to expulsion, early education providers in Arizona have an opportunity to identify young children as being at risk for expulsion and to receive consultation from experts to help intervene in problem behaviors. Consultation is provided through on-site mental health consultation, available for Quality First and some non-Quality First providers in most but not all regions in the state, as well as through a statewide Department of Economic Security (DES)-managed hotline. If that child is then able to remain in the center, this is documented as a prevented expulsion and their case is closed out. The reported number of prevented expulsions of young children receiving subsidies increased from seven in 2017 to 45 in 2018.

**Young children with special needs.** The availability of early learning opportunities and services for young children with special needs is an ongoing concern across the state, particularly in more geographically remote communities and some tribal communities. Children with special health care needs are defined as "those who have or are at increased risk for a chronic physical, developmental, behavioral, or emotional condition and who also require health and related services of a type or amount beyond that required by children generally."<sup>131</sup> Adverse Childhood Experiences (ACEs) <sup>vii</sup> include childhood experiences of abuse, neglect, and other forms of potential trauma. According to the National Survey of Children's Health, children with special health care needs are more likely to experience more adverse childhood experiences than typically developing children,<sup>132</sup> and are at an increased risk for maltreatment and neglect, <sup>133,134</sup> suggesting they may particularly benefit from high quality teacher-child interactions in classrooms.<sup>135,136</sup> Almost half (46%) of families with a child with special needs in Arizona have incomes below 200 percent of the federal poverty level, suggesting that even if they can identify an appropriate provider, affording quality care is likely to be a burden.<sup>137</sup>

Ensuring all families have access to timely and appropriate screenings for children who may benefit from early identification of special needs can help improve outcomes for these children and their families. Timely intervention can help young children with, or at risk for, developmental delays improve language, cognitive, and socio-emotional development.<sup>138,139,</sup> It also reduces educational costs by decreasing the need for special education. <sup>140</sup> In Arizona,

<sup>&</sup>lt;sup>vii</sup> ACEs include 8 categories of traumatic or stressful life events experienced before the age of 18 years. The 8 ACE categories are sexual abuse, physical abuse, emotional abuse, household adult mental illness, household substance abuse, domestic violence in the household, incarceration of a household member, and parental divorce or separation.

services available to families with children with special needs include those provided through the Arizona Early Intervention Program (AzEIP),<sup>141</sup> the Arizona Department of Education Early Childhood Special Education program,<sup>142</sup> and the Division of Developmental Disabilities (DDD).<sup>143</sup>

## What the Data Tell Us

## Access to Early Care and Education

- In the Southeast Maricopa Region, 40 percent of children (ages 3 and 4) are enrolled in nursery school, preschool, or kindergarten. While this is a slightly larger proportion than the county and state, it is lower than the national rate (48%) (Table 39).
- In the Southeast Maricopa Region, nearly all (99%) of licensed child care capacity is provided by child care centers, with a small proportion provided by family child care providers (1%) and nannies/individual providers (<1%) (Table 40).
- Ten percent of providers in the region are accredited, compared to eight percent in the county and 10 percent in the state. Due to the large capacity of some of these providers, 16 percent of the capacity in the region is with an accredited provider (Table 41).
- Care for very young children (i.e., infants and toddlers) in approved family homes tends to be more expensive in the Southeast Maricopa Region than in the rest of the county or state. Median monthly child care costs for certified group homes and licensed centers are similar across the region, county, and state. Overall, licensed centers are the most expensive for all ages (Table 42).
- At median levels, sending an infant to a licensed center requires almost one-sixth (16%) of a family's income; a family in the region with a preschooler and an infant could be spending over a quarter of their income on child care (Table 43).
- Nearly all children (93-95%) who are eligible for Department of Economic Security (DES) child care subsidies in the Southeast Maricopa Region have received them in recent years (Table 44).
- For Department of Child Safety (DCS)-involved children specifically, the proportion of eligible children receiving subsidies in the region is lower than for all eligible children and has declined over time, from 92 percent in 2015 to 85 percent in 2018. This decline in DCS-involved children receiving subsidies was also seen at a state level, with 82 percent of DCS-involved children receiving subsidies in Arizona in 2018 compared to 91 percent in 2015 (Table 45).
- The proportion of eligible families not using DES child care subsidies has increased slightly over time at the region, county, and state level. In 2018, seven percent of eligible families in the Southeast Maricopa Region did not use their child care subsidies (Table 46).

## High Quality Early Care and Education

• Quality educational environments are defined by the Department of Economic Security (DES) as providers that are accredited by a national organization or providers that have received a state-approved quality indicator that is recognized by the department. From 2017 to 2018, the number of children receiving subsidies in quality environments,

including the number of DCS children in quality environments, increased at the regional, county, and state levels (Table 47).

- In 2019, a total of 75 child care providers in the Southeast Maricopa Region participated in Quality First, 76 percent of which were quality-level settings (public 3-5 stars), and 5,188 children were enrolled at a Quality First provider site in the Southeast Maricopa Region. Of all children enrolled at a Quality First provider site in the region, 73 percent were enrolled at a quality-level setting (public 3-5 stars). In 2019, 607 children received Quality First scholarships (Table 48 & Table 49).
- In 2018, early learning programs in Maricopa County reported 44 expulsions of young children receiving child care subsidies to the Department of Economic Security (DES). There were also 11 considered expulsions that were prevented thanks to interventions (Table 50).

## Young Children with Special Needs

- The number of young children (ages 3-5) enrolled in special education increased slightly from 2015-2016 (2,392) to 2018-2019 (2,476) in the Southeast Maricopa Region (Table 51).
- The largest proportion of young children (ages 3-5) enrolled in special education in the region in the 2018-2019 school year were diagnosed with a developmental delay (40%) or speech or language impairment (39%) (Table 52).
- Thirteen percent of students (grades 1-3) in the region were enrolled in special education during the 2018-2019 school year, compared to 12 percent in the county and state. Special education enrollment for this age has increased in the region from 11 percent in 2015-2016 (Table 53 & Table 54).
- In 2017, the percentage of children (ages 0-2) in the Southeast Maricopa Region who were referred to the Arizona Early Intervention Program (AzEIP) and found eligible was 65 percent, compared to 60 percent statewide (Table 55).
- From 2017 to 2018, the number of active AzEIP cases in the Southeast Maricopa Region increased by six percent (Table 56).
- The number of children receiving services from the Division of Developmental Disabilities (DDD) has increased over time at the region, county, and state levels since 2015. In Southeast Maricopa, the number of children ages 0-2 receiving DDD services has increased by 23 percent and the number of children ages 3-5 receiving DDD services has increased by 43 percent (Table 57 & Table 58).

## Access to Early Care and Education

GEOGRAPHY	POPULATION OF CHILDREN (AGES 3-4)	NUMBER ENROLLED IN SCHOOL	PERCENT ENROLLED IN SCHOOL
Southeast Maricopa Region	23,688	9,495	40%
Maricopa County	118,295	44,210	37%
Arizona	182,970	69,712	38%
United States	8,190,503	3,892,317	48%

### Table 39. School enrollment for children (ages 3 and 4)

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B14003

Note: In this table, "school" may include nursery school, preschool, or kindergarten.

## Table 40. Number and licensed capacity of licensed or registered child care providers by type, 2018

	NANNIES OR INDIVIDUAL		CHILD CARE		FAMILY C	HILD CARE		
	PROVIDERS		CENTERS		PROVIDERS		TOTAL PROVIDERS	
GEOGRAPHY	NUMBER	CAPACITY	NUMBER	CAPACITY	NUMBER	CAPACITY	NUMBER	CAPACITY
Southeast Maricopa Region	1	3	192	24,569	31	214	224	24,786
Maricopa County	18	59	1,002	132,784	222	1,388	1,242	134,231
Arizona	26	90	1,527	182,561	656	3,871	2,209	186,522

Source: Arizona Department of Economic Security. (2019). 2018 Child Care Assistance Data. Unpublished data received by request

				PERCENT OF PROVIDER
	NUMBER OF	PERCENT OF	CAPACITY IN	CAPACITY WHICH IS
	ACCREDITED	PROVIDERS WHO	ACCREDITED	WITH ACCREDITED
GEOGRAPHY	PROVIDERS	ARE ACCREDITED	PROVIDERS	PROVIDERS
Southeast Maricopa Region	22	10%	3,940	16%
Maricopa County	95	8%	16,234	12%
Arizona	213	10%	22,931	12%

## Table 41. Number and licensed capacity of nationally accredited child care providers, 2018

Source: Arizona Department of Economic Security. (2019). 2018 Child Care Assistance Data. Unpublished data received by request

Note: This table shows the number of DES licensed or registered centers, homes, or individual providers listed in the CCR&R who have a national accreditation, such as NECPA – National Early Childhood Program Accreditation, CDA – Child Development Association, AMI – American Montessori International, or NAEYC – National Association for the Education of Young Children.

	APPROVED FAMILY HOMES			CERTIFIE	D GROUP H	HOMES	LICENSED CENTERS		
		1 TO 2	3 TO 5		1 TO 2	3 TO 5		1 TO 2	3 TO 5
		YEAR	YEAR		YEAR	YEAR		YEAR	YEAR
GEOGRAPHY	INFANTS	OLDS	OLDS	INFANTS	OLDS	OLDS	INFANTS	OLDS	OLDS
Southeast									
Maricopa	\$580	\$500	\$400	\$560	\$551	\$560	\$900	\$800	\$696
Region									
Maricopa County	\$400	\$400	\$400	\$600	\$570	\$560	\$900	\$800	\$680
Arizona	\$400	\$400	\$400	\$600	\$560	\$560	\$861	\$760	\$660

### Table 42. Median monthly charge for full-time child care, 2018

Source: Arizona Department of Economic Security. (2019). 2018 Child Care Assistance Data. Unpublished data received by request

Note: Approved family homes are family home child care providers who care for up to 4 children in their home and have completed the necessary steps to apply and be certified by DES or a tribal authority. Certified group homes are family home child care providers who care for 5-10 children in their home and are licensed ("certified") by ADHS or a tribal authority. Child care centers are child care providers who care for 10 or more children at a location separate from their residence and are licensed by ADHS or regulated by a military or tribal authority.

	MEDIAN FAMILY INCOME	COST FOR AN	COST FOR A 1 TO 2	COST FOR A 3 TO 5
GEOGRAPHY	(ACS 2013-2017)	INFANT	YEAR OLD CHILD	YEAR OLD CHILD
Maricopa County	\$69,647	16%	14%	12%
Arizona	\$63,812	16%	14%	12%

## Table 43. Cost of center-based child care as a percentage of income, 2018

Sources: Arizona Department of Economic Security. (2019). 2018 Child Care Market Rate Survey. Unpublished data received by request & Arizona Department of Economic Security. (2019). 2018 Child Care Market Rate Survey Report. Retrieved from <a href="https://des.az.gov/file/14277/download">https://des.az.gov/file/14277/download</a>

### Table 44. Children receiving DES child care subsidies, 2015 to 2018

	NUMBER OF CHILDREN RECEIVING SUBSIDIES						IBLE CHILE	
GEOGRAPHY	2015	2016	2017	2018	2015	2016	2017	2018
Southeast Maricopa Region	2,399	2,259	2,130	2,466	94%	95%	93%	93%
Maricopa County	11,369	10,786	10,420	12,264	93%	93%	92%	92%
Arizona	19,040	17,784	16,922	19,813	94%	93%	93%	92%

Source: Arizona Department of Economic Security. (2019). 2015-2018 Child Care Assistance Data. Unpublished data received by request

Note: This table reflects children receiving subsidies who are not DCS-involved.

#### Table 45. DCS-involved children receiving DES child care subsidies, 2015 to 2018

	NUMBER OF DCS CHILDREN RECEIVING SUBSIDIES				OF DCS ELI ECEIVING S	GIBLE CHIL UBSIDIES	DREN.	
GEOGRAPHY	2015	2016	2017	2018	2015	2016	2017	2018
Southeast Maricopa Region	1,596	1,716	1,588	1,622	92%	91%	88%	85%
Maricopa County	8,166	8,339	7,796	7,773	90%	89%	87%	81%
Arizona	13,098	13,352	12,201	12,219	91%	89%	88%	82%

Source: Arizona Department of Economic Security. (2019). 2015-2018 Child Care Assistance Data. Unpublished data received by request

	FAMILIES NOT	FAMILIES NOT	FAMILIES NOT	FAMILIES NOT
	USING SUBSIDIES,	USING SUBSIDIES,	USING SUBSIDIES,	USING SUBSIDIES,
GEOGRAPHY	2015	2016	2017	2018
Southeast Maricopa Region	5%	5%	6%	7%
Maricopa County	6%	7%	7%	8%
Arizona	6%	6%	7%	8%

## Table 46. Eligible families not using DES child care subsidies, 2015 to 2018

Source: Arizona Department of Economic Security. (2019). 2015-2018 Child Care Assistance Data. Unpublished data received by request

## High Quality Early Care and Education

	•			
	TOTAL NUMBER	TOTAL NUMBER	NUMBER OF DCS	NUMBER OF DCS
	OF CHILDREN IN	OF CHILDREN IN	CHILDREN IN	CHILDREN IN
	QUALITY	QUALITY	QUALITY	QUALITY
	ENVIRONMENTS,	ENVIRONMENTS,	ENVIRONMENTS,	ENVIRONMENTS,
GEOGRAPHY	2017	2018	2017	2018
Southeast Maricopa Region	1,960	2,452	883	1,004

### Table 47. Children in quality educational environments, 2017 and 2018

Source: Arizona Department of Economic Security. (2019). Child Care Assistance Dataset. Unpublished data received by request

Note: These data only reflect children receiving child care subsidies from DES. Quality educational environments are defined by the Department of Economic Security as providers that are accredited by a national organization or providers that have received a state-approved quality indicator that is recognized by the department. More information about Arizona's quality educational environments can be found in the DES CCDF State Plan FY2019-FY2021, available at <a href="https://des.az.gov/documents-center">https://des.az.gov/documents-center</a>

QUALITY FIRST NUMBER OF NUMBER OF CHILDREN PERCENT OF SCHOLARSHIPS: CHILDREN **ENROLLED AT A QUALITY** CHILDREN IN A NUMBER OF ENROLLED AT A FIRST PROVIDER SITE QUALITY-LEVEL WITH A PUBLIC 3-5 STAR CHILDREN QUALITY FIRST SETTING GEOGRAPHY SERVED **PROVIDER SITE** RATING (PUBLIC 3-5 STARS) Southeast Maricopa 607 5,188 73% 3,773 Region Arizona 9,179 62,215 45,278 73%

#### Table 48. First Things First Quality First child data, State Fiscal Year 2019

Source: First Things First. (2019). Quality First, a Signature Program of First Thing First. Unpublished data received by request

Note: These data reflect regionally-funded Quality First provider sites and statewide-funded Quality First Redesign provider sites. Data reflect children enrolled at provider sites with a public rating. Star ratings are not publicly available when provider sites decline to publish their initial rating or when a rating is not yet assigned.

	<b>~</b>		
		NUMBER OF CHILD CARE	PERCENT OF CHILD CARE
		PROVIDERS SERVED WITH	PROVIDERS SERVED WITH
	NUMBER OF CHILD CARE	A PUBLIC 3-5 STAR	A PUBLIC 3-5 STAR
GEOGRAPHY	PROVIDERS SERVED	RATING	RATING
Southeast Maricopa Region	75	57	76%
Arizona	1,119	821	73%

## Table 49. First Things First Quality First child care provider data, State Fiscal Year 2019

Source: First Things First. (2019). Quality First, a Signature Program of First Thing First. Unpublished data received by request

Note: These data reflect regionally-funded Quality First provider sites and statewide-funded Quality First Redesign provider sites. Data reflect children enrolled at provider sites with a public rating. Star ratings are not publicly available when provider sites decline to publish their initial rating or when a rating is not yet assigned.

# Table 50. Number of children birth to five years old receiving subsidy expelled from an early learning program or expulsion was prevented, 2017 and 2018

			NUMBER OF	NUMBER OF
	NUMBER OF	NUMBER OF	EXPULSIONS	EXPULSIONS
	CHILDREN	CHILDREN	PREVENTED IN	PREVENTED IN
GEOGRAPHY	EXPELLED IN 2017	EXPELLED IN 2018	2017	2018
Maricopa County	23	44	<10	11
Arizona	27	57	<10	45

Source: Arizona Department of Economic Security. (2019). 2017-2018 Child Care Assistance Data. Unpublished data received by request

## Young Children with Special Needs

	CHILDREN (AGES	CHILDREN (AGES	CHILDREN (AGES	CHILDREN (AGES
	3-5) IN SPECIAL	3-5) IN SPECIAL	3-5) IN SPECIAL	3-5) IN SPECIAL
GEOGRAPHY	EDUCATION	EDUCATION	EDUCATION	EDUCATION
	(2015-16)	(2016-17)	(2017-18)	(2018-19)
Southeast Maricopa Region	2,392	2,423	2,432	2,476
Southeast Maricopa Region Maricopa County	<b>2,392</b>	<b>2,423</b>	<b>2,432</b>	<b>2,476</b>
	9,620	9,809	10,349	10,502

Table 51. Children (ages 3-5) enrolled in special education, 2015-16 to 2018-19

Source: Arizona Department of Education. (2019). 2015-16 to 2018-19 Special Education Enrollments. Unpublished data received by request

#### Table 52. Children (ages 3-5) enrolled in special education by type of disability, 2018-19

	NUMBER OF CHILDREN	DEVELOP-	SPEECH OR LANGUAGE	PRE- SCHOOL			
	(AGES 3-5)	MENTAL	IMPAIR-	SEVERE		HEARING	OTHER
GEOGRAPHY	ENROLLED	DELAY	MENT	DELAY	AUTISM	IMPAIRMENT	DISABILITIES
Southeast Maricopa Region	2,476	40%	39%	12%	5%	1%	3%
Maricopa County	10,502	44%	37%	13%	3%	1%	3%
Arizona	16,432	42%	39%	12%	3%	1%	3%

Source: Arizona Department of Education. (2019). 2018-19 Special Education Enrollments. Unpublished data received by request

#### Table 53. Students (grades 1-3) enrolled in special education, 2018-19

		STUDENTS IN SPECIAL	PERCENT OF STUDENTS
GEOGRAPHY	TOTAL STUDENTS	EDUCATION	IN SPECIAL EDUCATION
Southeast Maricopa Region	34,265	4,558	13%
Maricopa County	163,764	19,467	12%
Arizona	246,897	30,503	12%

Source: Arizona Department of Education. (2019). 2018-19 Special Education Enrollments. Unpublished data received by request

	STUDENTS IN	STUDENTS IN	STUDENTS IN	STUDENTS IN
	SPECIAL	SPECIAL	SPECIAL	SPECIAL
	EDUCATION	EDUCATION	EDUCATION	EDUCATION
GEOGRAPHY	(2015-16)	(2016-17)	(2017-18)	(2018-19)
Southeast Maricopa Region	11%	12%	13%	13%
Maricopa County	10%	11%	11%	12%
Arizona	11%	11%	12%	12%

#### Table 54. Percent of students (grades 1-3) enrolled in special education, 2015-16 to 2018-19

Source: Arizona Department of Education. (2019). 2015-16 to 2018-19 Special Education Enrollments. Unpublished data received by request

#### Table 55. Children referred to and found eligible for AzEIP, Federal Fiscal Years 2016 and 2017

	NUMBER OF	NUMBER OF		NUMBER OF	NUMBER OF	
	CHILDREN	CHILDREN	PERCENT OF	CHILDREN	CHILDREN	PERCENT OF
	(AGES 0-2)	(AGES 0-2)	REFERRALS	(AGES 0-2)	(AGES 0-2)	REFERRALS
	REFERRED	ELIGIBLE FOR	FOUND	REFERRED	ELIGIBLE FOR	FOUND
	TO AzEIP,	AzEIP,	ELIGIBLE,	TO AzEIP,	AzEIP,	ELIGIBLE,
GEOGRAPHY	FFY2016	FFY2016	FFY2016	FFY2017	FFY2017	FFY2017
Southeast Maricopa Region	2,138	1,409	66%	2,093	1,361	65%
Maricopa County	10,074	6,213	62%	10,235	6,338	62%
Arizona	16,063	9,383	58%	16,344	9,770	60%

Source: Arizona Department of Economic Security. (2019). AZEIP Service Dataset. Unpublished data received by request

#### Table 56. AzEIP caseloads, calendar years 2017 and 2018

			PERCENT CHANGE IN
	CUMULATIVE ACTIVE	CUMULATIVE ACTIVE	AzEIP CASELOADS FROM
GEOGRAPHY	AzEIP CASES, 2017	AzEIP CASES, 2018	2017 TO 2018
Southeast Maricopa Region	1,471	1,554	+6%
Maricopa County	7,129	7,599	+7%
Arizona	10,934	11,600	+6%

Source: Arizona Department of Economic Security. (2019). AZEIP Service Dataset. Unpublished data received by request

	<b>o</b> ,	-			
	CHILDREN (AGES	CHILDREN (AGES	CHILDREN (AGES	CHILDREN (AGES	PERCENT
	0-2) RECEIVING	0-2) RECEIVING	0-2) RECEIVING	0-2) RECEIVING	CHANGE
	DDD SERVICES,	DDD SERVICES,	DDD SERVICES,	DDD SERVICES,	FROM 2015
GEOGRAPHY	SFY2015	SFY2016	SFY2017	SFY2018	TO 2018
Southeast Maricopa					
Region	652	673	719	803	+23%
•	<b>652</b> 2,826	<b>673</b> 2,944	<b>719</b> 3,235	<b>803</b> 3,576	<b>+23%</b> +27%

#### Table 57. Children (ages 0-2) receiving services from DDD, State Fiscal Years 2015 to 2018

Source: Arizona Department of Economic Security. (2019). 2015-2018 Division Developmental Disabilities Data. Unpublished data received by request

	CHILDREN (AGES	CHILDREN (AGES	CHILDREN (AGES	CHILDREN (AGES	PERCENT
	3-5) RECEIVING	3-5) RECEIVING	3-5) RECEIVING	3-5) RECEIVING	CHANGE
	DDD SERVICES,	DDD SERVICES,	DDD SERVICES,	DDD SERVICES,	FROM 2015
GEOGRAPHY	SFY2015	SFY2016	SFY2017	SFY2018	TO 2018
Southeast Maricopa	150	166	198	215	+43%
Region	150	100	198	215	T <b>43</b> /0
Maricopa County	629	644	713	814	+29%

#### Table 58. Children (ages 3-5) receiving services from DDD, State Fiscal Years 2015 to 2018

Source: Arizona Department of Economic Security. (2019). 2015-2018 Division Developmental Disabilities Data. Unpublished data received by request

# **Child Health**

# Why it Matters

The physical and mental health of both children and their parents are important for optimal child development and well-being. Starting with the mother's health before pregnancy, many factors influence a child's health.<sup>144</sup> Exposures and experiences in utero, at birth, and during the early years set the stage for health and well-being throughout a child's life.<sup>145,146</sup> Access to health insurance and preventive care influence not only a child's current health, but long-term development and future health.<sup>147,148,149</sup>

Access to health services. The ability to obtain health care is critical for supporting the health of pregnant mothers and young children. Health care during pregnancy, or prenatal care, can reduce maternal and infant mortality and complications during pregnancy.<sup>150,151</sup> In the early years of a child's life, well-baby and well-child visits allow clinicians to assess and monitor the child's development and offer developmentally appropriate information and guidance to parents.<sup>152</sup> Families without health insurance are more likely to skip these visits, and are less likely to receive preventive care for their children, or care for health conditions and chronic diseases.<sup>153,154</sup> Thus, access to health insurance is an indicator of children's access to health services. Children who lack health insurance are also more likely to be hospitalized and to miss school.<sup>155</sup>

**Maternal, infant, and child health.** A number of factors occurring before conception and in utero influence child health, making characteristics of pregnant women important determinants of the birth and developmental outcomes of their children. Pregnancy during the teen years is associated with a number of health concerns for infants, including neonatal death, sudden infant death syndrome, and child abuse and neglect.<sup>156</sup> Teenaged mothers and fathers themselves are less likely to complete high school or college, and more likely to require public assistance and to live in poverty than their peers who are not parents.<sup>157,158,159</sup>

In addition to age, a mother's health status before, during, and after pregnancy influences her child's health. Women who are obese before they become pregnant are at a higher risk of birth complications and neonatal and infant mortality than women who are normal weight before pregnancy.<sup>160,161</sup> Babies born to obese women are at risk for chronic conditions later in life such as diabetes and heart disease.<sup>162</sup> Preterm birth, in addition to being associated with higher infant and child mortality, often results in longer hospitalization, increased health care costs, and longer-term impacts such as physical and developmental impairments. Babies born at a low-birth weight (less than 5 pounds, 8 ounces) are also at increased risk of infant mortality and longer-term health problems such as diabetes, hypertension and cardiac disease.<sup>163</sup>

Maternal mental health is a factor for children's well-being as well. Maternal depression during and after pregnancy negatively influences the mother's ability to maintain a healthy pregnancy as well as meet the demands of motherhood and form a secure attachment with her baby.<sup>164,</sup>

<sup>165</sup> Quality preconception counseling and early-onset prenatal care can help reduce some of these risks for poor prenatal and postnatal outcomes by providing information, conducting screenings, and supporting an expectant mother's health and nutrition.<sup>166</sup>

**Substance use disorders.** A mother's use of substances such as drugs and alcohol also has implications for her baby. Babies born to mothers who smoke are more likely to be born early (pre-term), have low birth weight, die from sudden infant death syndrome (SIDS) and have weaker lungs than babies born to mothers who do not smoke.<sup>167,168</sup> Opiate use during pregnancy, either illegal or prescribed, has been associated with neonatal abstinence syndrome (NAS), a group of conditions that causes infants exposed to these substances in the womb to be born exhibiting withdrawal symptoms.<sup>169</sup> This can create longer hospital stays, increase health care costs and increase complications for infants born with NAS. Infants exposed to cannabis (marijuana) in utero often have lower birth weights and are more likely to be placed in neonatal intensive care compared to infants whose mothers had not used the drug during pregnancy.<sup>170</sup>

Parental substance abuse also has other impacts on family wellbeing. According to the National Survey of Children's Health, young children in Arizona are more than twice as likely to live with someone with a problem with alcohol or drugs than children in the US as a whole (9.8 percent compared to 4.5 percent).<sup>171</sup> Children of parents with substance use disorders are more likely to be neglected or abused and face a higher risk of later mental health and behavioral health issues, including developing substance use disorders themselves.<sup>172,173</sup> Substance abuse treatment and supports for parents and families grappling with these issues can help to ameliorate the short and long-term impacts on young children.<sup>174</sup>

**Nutrition and weight status.** After birth, a number of factors have been associated with improved health outcomes for infants and young children. One factor is breastfeeding, which has been shown to reduce the risk of ear, respiratory and gastrointestinal infections, SIDS, overweight, and type 2 diabetes.<sup>175</sup> The American Academy of Pediatrics recommends exclusive breastfeeding for about 6 months, and continuing to breastfeed as new foods are introduced for 1 year or longer.<sup>176</sup>

A child's weight status can have long-term impacts on health and well-being. Nationwide, an estimated 3 percent of children ages 2-19 are underweight, 16.6 percent are overweight, and 18.5 percent are obese.<sup>177,178</sup> Obesity can have negative consequences on physical, social, and psychological well-being that begin in childhood and continue into and throughout adulthood.<sup>179</sup> Higher birth weight and higher infancy weight, as well as lower-socioeconomic status and low-quality mother-child relationships, have all been shown to be related to higher childhood weight and increased risk for obesity and metabolic syndrome (which is linked to an increase risk of heart disease, stroke, and diabetes).<sup>180, 181</sup>

**Oral health.** Oral health and good oral hygiene practices are important to children's overall health. Tooth decay and early childhood cavities can have short- and long-term consequences including pain, poor appetite, disturbed sleep, lost school days, and reduced ability to learn and

concentrate.<sup>182</sup> A national study showed that low-income children were more likely than higher-income children to have untreated cavities.<sup>183</sup> Despite high percentages of young Arizona children who have preventative dental care visits (68.4%) compared to the national average (57.8%), there is a relatively high percentage who have had decayed teeth or cavities (11.1%) compared to those across the nation overall (7.7%).<sup>184</sup> Low-income children in Arizona, specifically, are more likely to have untreated cavities and less likely to have had an annual dental visit than their higher-income peers.<sup>185</sup>

First Things First's Oral Health strategy was able to provide 24,664 children birth to age 5 with a dental screening, and 16,837 children with a fluoride varnish in the Arizona State Fiscal Year 2019.<sup>186</sup> Many children had untreated tooth decay and other oral health needs identified through the screenings. Further, attempts were made to connect children to dental homes who either did not already have a dental home or who needed dental care.

**Childhood immunizations.** Immunization against preventable diseases protects children and the surrounding community from illness and potentially death. In order to ensure community immunity of preventable diseases, which helps to protect unvaccinated children and adults, rates of vaccination in a community need to remain high.<sup>187</sup>

**Illness and injury.** Asthma is the most common chronic illness affecting children<sup>188</sup>, and it is more prevalent among boys, Black children, American Indian or Alaska Native children, and children in low-income households.<sup>189,190</sup> The total healthcare costs of childhood asthma in the United States are estimated to be between \$1.4 billion and \$6.4 billion, but these costs could be reduced through better management of asthma to prevent hospitalizations.<sup>191</sup> Unintentional injuries are the leading cause of death for children in Arizona<sup>192</sup> and nationwide.<sup>193</sup> It is estimated that as many as ninety percent of unintentional injury-related deaths could be preventable through better safety practices, such as use of proper child restraints in vehicles and supervision of children around water.<sup>194</sup> Children in rural areas are at higher risk of unintentional injuries than those who live in more urban areas, as are children in Native communities, suggesting that injury prevention is an especially salient need in these areas.<sup>195,196</sup>

One useful metric for evaluating child health in Arizona are the Healthy People objectives. These science-based objectives define priorities for improving the nation's health and are updated every 10 years. Understanding where Arizona mothers and children fall in relation to these current national benchmarks (Healthy People 2020) can help highlight areas of strength in relation to young children's health and those in need of improvement in the state. The Arizona Department of Health Services monitors state level progress towards a number of maternal, infant and child health objectives for which data are available at the county level, including increasing the proportion of pregnant women who receive prenatal care in the first trimester; reducing low birth weight; reducing preterm births; and increasing abstinence from cigarette smoking among pregnant women.<sup>197</sup>

# What the Data Tell Us

#### Access to Health Services

- In the Southeast Maricopa Region, about one in ten (11%) people don't have health insurance coverage, placing the region between the state (12%) and nation (10%) (Table 59).
- For young children specifically, health insurance coverage is slightly better than the overall population in the region but worse than the national average, with six percent of young children uninsured in Southeast Maricopa and four percent of young children uninsured nationally (Table 59 & Figure 11).
- Over a third (39%) of births in the Southeast Maricopa Region were covered by AHCCCS<sup>viii</sup> in 2017, a percentage substantially lower than that of the county and state (52% and 53%, respectively). The proportion of births covered by the Indian Health Service (IHS) and self-paid births were comparable across the region, county, and state in 2017 (Table 60).

#### Maternal, Infant, and Child Health

- Rates of prenatal care in the Southeast Maricopa Region are generally better than those elsewhere in the county or state, with a lower proportion of births to mothers who had no prenatal care at all (2%), no prenatal care in the first trimester (19.2%), and fewer than five visits if they did have prenatal care (4%) compared to state averages (3%, 26.4%, and 8% respectively). The region did meet the Healthy People 2020 target of at least 77.9 percent of births to mothers who received prenatal care in the first trimester (Table 61).
- The prevalence of other risk factors is also lower in the region than elsewhere. The proportion of babies born at low birth weight is slightly lower in Southeast Maricopa (7.1%) than the county (7.5%) and state (7.5%), though all met the Healthy People 2020 target of no more than 7.8 percent. Preterm births were also less common, with 8.5 percent of births happening before 37 weeks gestation in the region compared to 9.4 percent in the county and 9.3 percent in the state (Table 62).
- The Southeast Maricopa Region did not meet the Healthy People 2020 target for maternal use of tobacco during pregnancy (no more than 1.4%), with 4.4 percent of births in the region to mothers who used tobacco while pregnant (Table 62).
- In 2017, Maricopa County had an infant mortality rate (5.7 per 1,000 live births) that met the Healthy People 2020 target (fewer than 6.0 per 1,000 live births) (Table 63).
- In 2016 and 2017, the rate of neonatal abstinence syndrome (i.e., opioid-addicted babies) in Maricopa County (6.6 per 1,000 live births) was less than the state rate (7.4 per 1,000 live births) (Table 64).

viii AHCCCS is Arizona's Medicaid agency

#### Substance Use Disorders

- Between June 2017 and June 2018, there were 5,317 suspected opioid overdoses among people of all ages in Maricopa County (Table 65).
- In 2017, there were 576 deaths directly attributed to opioids in Maricopa County; this accounted for about three-in-five (61%) of the opioid-related deaths across the state (Table 65).

#### **Nutrition and Weight Status**

 In Maricopa County, 76 percent of infants in the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) had mothers who initiated breastfeeding, comparable to the 77 percent statewide. The American Academy of Pediatrics recommends exclusive breastfeeding (i.e, a diet of breastmilk only) until six months of age; however, at six months of age, only 25 percent of WIC infants in Maricopa County were still being breastfeed at all, and a mere two percent were exclusively breastfed. Even at three months old, exclusive breastfeeding for infants in the WIC program in Maricopa County had dropped to 10 percent (Table 66).

#### **Oral Health**

• In 2019, 1,379 children received at least one fluoride varnish and 2,492 children received at least one oral health screening in the Southeast Maricopa Region as a result of the work of First Things First (Table 67).

#### **Child Immunizations**

- Between 2015 and 2018, Maricopa County had 2,792 cases of influenza, 2,472 cases of respiratory syncytial virus (RSV), and 37 cases of varicella ("chickenpox") in young children (ages 0-5) (Table 68).
- Across nearly all required immunizations, children in child care in the Southeast Maricopa Region had slightly lower vaccination rates than the county as a whole or the state. The region did, however, still meet the Healthy People 2020 targets during the 2018-2019 school year (Table 69).
- The region also fell short of statewide immunization rates for all required immunizations for kindergarteners in 2018-2019. In all cases except varicella, neither the region, county, nor state met Healthy People 2020 goals for 95 percent coverage for each immunization (Table 70).
- In terms of immunization exemptions among children in child care, between the 2016 and 2018 school years the region had slightly shrinking rates of children receiving religious exemptions. However, the proportion of children in child care receiving exemptions from all required vaccines climbed slightly between 2017 and 2018. Exemption rates at the county and state have steadily increased, yet exemption rates in the Southeast Maricopa region were still consistently higher than those statewide.

During the 2018 school year, 5.4 percent of children in child care received a religious exemption in Southeast Maricopa compared to 4.5 percent of children statewide, and 3.6 percent of children in child care received exemptions from all required vaccines in Southeast Maricopa compared to 3.0 percent of children statewide (Table 71).

• Exemptions for kindergarteners, on the other hand, have been increasing in the region as in the county and state. Southeast Maricopa Region had higher rates of children in kindergarten receiving personal belief exemptions and exemptions from all required vaccinations than statewide averages between 2016 and 2019. During the 2018-2019 school year, 9.0 percent of children in kindergarten received a personal belief exemption in Southeast Maricopa compared to 5.9 percent of children statewide, and 5.7 percent of children in kindergarten received exemptions from all required vaccines in Southeast Maricopa compared to 3.8 percent statewide (Table 72).

## **Illness and Injury**

- The most common causes of unintentional injuries that led to hospitalizations of young children in the Southeast Maricopa Region between 2015 and 2018 were falls, which accounted for 37 percent of hospitalizations, and poisoning (13%). Falls were also the most common (49%) unintentional injury leading to an emergency room visit for a young child. These rates were similar across the county and state as well (Table 73 & Table 74).
- Between 2015 and 2017, there were 1,316 emergency room visits and 260 inpatient hospitalizations for asthma for young children in the Southeast Maricopa Region (Table 75).
- Between 2015 and 2017, there were 292 deaths of children (ages 0-17) in the Southeast Maricopa Region, 71 percent of which were of young children (ages 0-4; 207 deaths) (Table 76).

## Access to Health Services

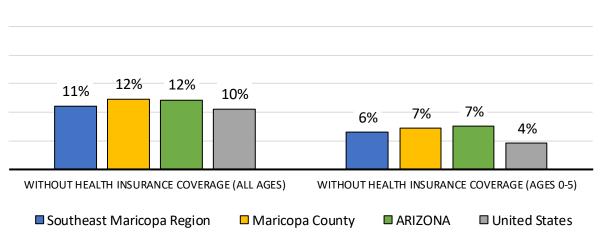
	0			
		PERCENT WITHOUT		PERCENT WITHOUT
		HEALTH INSURANCE	POPULATION OF	HEALTH INSURANCE
	POPULATION	COVERAGE	YOUNG CHILDREN	COVERAGE
GEOGRAPHY	(ALL AGES)	(ALL AGES)	(AGES 0-5)	(AGES 0-5)
Southeast Maricopa Region	800,908	11%	68,981	6%
Maricopa County	4,125,142	12%	332,831	7%
Arizona	6,701,990	12%	520,741	7%
United States	316,027,641	10%	23,832,080	4%

#### Table 59. Health insurance coverage

Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B27001

Note: This table excludes persons in the military and persons living in institutions such as college dormitories. People whose only health coverage is the Indian Health Service (IHS) are considered "uninsured" according to the U.S. Census Bureau.

# Figure 11. Health insurance coverage for the population (all ages) and for young children (ages 0 to 5)



Source: U.S. Census Bureau. (2018). American Community Survey five-year estimates 2013-2017, Table B27001

Note: This figure excludes persons in the military and persons living in institutions such as college dormitories. People whose only health coverage is the Indian Health Service (IHS) are considered "uninsured" according to the U.S. Census Bureau.

## Table 60. Payors for births during calendar year 2017

	TOTAL NUMBER	BIRTHS PAID BY	<b>BIRTHS PAID BY</b>	
GEOGRAPHY	OF BIRTHS IN 2017	AHCCCS	IHS	BIRTHS SELF-PAY
Southeast Maricopa Region	10,479	39%	<1%	5%
Maricopa County	52,470	52%	<1%	5%
Arizona	81,664	53%	1%	5%

Source: ADHS Office of Disease Prevention and Health Promotion. (2019). Arizona Health Status and Vital Statistics

Note: The percent of births that were paid for by private insurance or an unknown source are not shown in this table.

# Maternal, Infant, and Child Health

			MOTHERS WHO	MOTHERS WHO
		MOTHERS WHO	HAD NO	HAD FEWER THAN
	TOTAL NUMBER	HAD NO	PRENATAL CARE IN	FIVE PRENATAL
GEOGRAPHY	OF BIRTHS IN 2017	PRENATAL CARE	FIRST TRIMESTER	VISITS
Southeast Maricopa Region	10,479	2%	19.2%	4%
Maricopa County	52,470	2%	23.9%	6%
Arizona	81,664	3%	26.4%	8%
Healthy People 2020 target			22.1%	

#### Table 61. Prenatal care for mothers giving birth during calendar year 2017

Source: ADHS Office of Disease Prevention and Health Promotion. (2019). Arizona Health Status and Vital Statistics

#### Table 62. Various risk factors for births during calendar year 2017

	TOTAL						
	NUMBER	LOW	PRETERM		MOTHER	MOTHER	MOTHER
	OF BIRTHS	BIRTH	(LESS THAN	NICU	USED	YOUNGER	YOUNGER
GEOGRAPHY	IN 2017	WEIGHT	37 WEEKS)	ADMISSIONS	TOBACCO	THAN 18	THAN 20
Southeast Maricopa Region	10,479	7.1%	8.5%	7%	4.4%	1%	4%
Maricopa County	52,470	7.5%	9.4%	7%	3.6%	1%	6%
Arizona	81,664	7.5%	9.3%	7%	4.7%	2%	6%
Healthy People 2020 ta	irgets	7.8%	9.4%		1.4%		

Source: ADHS Office of Disease Prevention and Health Promotion. (2019). Arizona Health Status and Vital Statistics

#### Table 63. Infant mortality, calendar year 2017

GEOGRAPHY	INFANT DEATHS WITHIN SEVEN DAYS OF BIRTH, 2017	INFANT MORTALITY RATE (WITHIN ONE YEAR; PER THOUSAND LIVE BIRTHS), 2017
Maricopa County	153	5.7
Arizona	234	5.6
Healthy People 2020 target		6.0

Source: ADHS Office of Disease Prevention and Health Promotion. (2019). Arizona Health Status and Vital Statistics

#### Table 64. Neonatal abstinence syndrome, calendar years 2016 and 2017

	NUMBER OF BABIES BORN WITH	
GEOGRAPHY	NEONATAL ABSTINENCE SYNDROME (NAS)	NAS RATE PER 1,000 LIVE BIRTHS
Maricopa County	704	6.6
Arizona	1,228	7.4

Source: ADHS Office of Disease Prevention and Health Promotion. (2019). Arizona Health Status and Vital Statistics

## **Substance Use Disorders**

#### Table 65. Opioid overdoses and deaths, June 2017 to June 2018

	SUSPECTED OPIOID OVERDOSES,	DEATHS DIRECTLY ATTRIBUTED TO			
GEOGRAPHY	JUNE 2017 TO JUNE 2018	OPIOIDS, CALENDAR YEAR 2017			
Maricopa County	5,317	576			
Arizona	8,591	949			
Source: Arizona Department of Health Services. (2018). Arizona Opioid Emergency Response Report, June 2017-June 2018.					
Retrieved from <u>https://www.azdhs.g</u> g	ov/documents/prevention/womens-childrens-he	alth/injury-prevention/opioid-			

prevention/2017-opioid-emergency-response-report.pdf

## Nutrition and Weight Status

				WIC INFANTS	WIC INFANTS
		WIC INFANTS	WIC INFANTS	EXCLUSIVELY	EXCLUSIVELY
	WIC INFANTS	BREASTFED AT 6	BREASTFED AT	BREASTFED AT 3	BREASTFED AT 6
GEOGRAPHY	EVER BREASTFED	MONTHS	12 MONTHS	MONTHS	MONTHS
Maricopa County	76%	25%	14%	10%	2%
Arizona	77%	26%	14%	13%	3%

#### Table 66. Breastfeeding rates for infants in the WIC program, calendar year 2018

Source: ADHS Office of Disease Prevention and Health Promotion. (2019). Arizona Health Status and Vital Statistics

# **Oral Health**

#### Table 67. First Things First oral health strategy data, State Fiscal Year 2019

	NUMBER OF CHILDREN WHO	NUMBER OF CHILDREN WHO
	RECEIVED AT LEAST ONE FLUORIDE	RECEIVED AT LEAST ONE ORAL
GEOGRAPHY	VARNISH	HEALTH SCREENING
Southeast Maricopa Region	1,379	2,492
Arizona	16,837	24,664

Source: First Things First. (2019). Oral Health Strategy Data. Unpublished data received by request

# **Child Immunizations**

		RESPIRATORY				
		SYNCYTIAL			HAEMOPHILUS	
GEOGRAPHY	INFLUENZA	VIRUS (RSV)	VARICELLA	PERTUSSIS	INFLUENZAE	MUMPS
Maricopa County	2,792	2,472	37	<6	<6	<6
Arizona	5,449	4,201	70	51	31	<6

#### Table 68. Cases of infectious diseases among young children (ages 0-5), 2015-2018 cumulative

Source: Arizona Department of Health Services. (2019). 2015-2018 Child Infectious Disease Data. Custom data tabulation from requested data

Note: These numbers include both confirmed and probable cases. There were zero reported cases of meningococcal meningitis or measles.

#### Table 69. Children in child care with required immunizations, 2018-19

Table 05: emiliare			equineu	minan	20110113	, 2010 13		
	NUMBER OF CHILDREN ENROLLED IN							
GEOGRAPHY	CHILD CARE	DTAP	POLIO	MMR	HIB	HEPATITIS A	HEPATITIS B	VARICELLA
Southeast Maricopa Region	11,153	90.6%	92.5%	93.1%	92.4%	87.7%	91.6%	92.5%
Maricopa County	58,060	91.7%	93.6%	94.2%	93.5%	87.8%	92.3%	94.1%
Arizona	86,829	92.4%	94.2%	94.9%	94.2%	85.5%	93.3%	94.7%
Healthy People 202	20 targets	90.0%	90.0%	90.0%	90.0%	85.0%	90.0%	90.0%

Source: Arizona Department of Health Services. (2019). 2018-19 Child Care Immunization Data. Custom data tabulation from requested data; Arizona Department of Health Services. (2019). Childcare Immunization Coverage by County, 2018-2019 School Years. Retrieved from <u>https://www.azdhs.gov/preparedness/epidemiology-disease-</u>

control/immunization/index.php#reports-immunization-coverage

Note: The hepatitis A vaccine series (2 doses) is only required in Maricopa County child care settings, but is recommended in all other Arizona counties.

0	-					
	NUMBER OF					
	CHILDREN					
	ENROLLED IN					
GEOGRAPHY	KINDERGARTEN	DTAP	POLIO	MMR	HEPATITIS B	VARICELLA
Southeast Maricopa	11.380	90.9%	91.3%	90.9%	92.4%	94.1%
Region	11,580	50.5%	91.5%	50.5%	92.4/0	94.178
Maricopa County	52,867	92.5%	93.1%	92.7%	94.1%	95.4%
Arizona	79,981	92.7%	93.3%	93.0%	94.4%	95.6%
Healthy People 2020 targets		95.0%	95.0%	95.0%	95.0%	95.0%

#### Table 70. Kindergarteners with required immunizations, 2018-19

Source: Arizona Department of Health Services. (2019). 2018-19 Kindergarten Immunization Data. Custom data tabulation from requested data; Arizona Department of Health Services. (2019). Kindergarten Immunization Coverage by County, 2018-2019 School Years. Retrieved from <u>https://www.azdhs.gov/preparedness/epidemiology-disease-</u> <u>control/immunization/index.php#reports-immunization-coverage</u>

#### Table 71. Child care immunization exemption rates, 2016-17 to 2018-19

	RELIGIOUS	RELIGIOUS	RELIGIOUS	EXEMPT FROM	EXEMPT FROM
	EXEMPTION	EXEMPTION	EXEMPTION	EVERY REQUIRED	EVERY REQUIRED
GEOGRAPHY	(2016-17)	(2017-18)	(2018-19)	VACCINE (2017-18)	VACCINE (2018-19)
Southeast Maricopa Region	5.6%	5.5%	5.4%	3.4%	3.6%
Maricopa County	4.5%	4.7%	5.2%	3.1%	3.3%

Source: Arizona Department of Health Services. (2019). 2016-17 to 2018-19 Child Care Immunization Data. Custom data tabulation from requested data; Arizona Department of Health Services. (2019). Childcare Immunization Coverage by County, 2016-17 to 2018-2019 School Years. Retrieved from <a href="https://www.azdhs.gov/preparedness/epidemiology-disease-control/immunization/index.php#reports-immunization-coverage">https://www.azdhs.gov/preparedness/epidemiology-disease-control/immunization/index.php#reports-immunization-coverage</a>

#### Table 72. Kindergarten immunization exemption rates, 2016-17 to 2018-19

	PERSONAL	PERSONAL	PERSONAL	EXEMPT FROM	EXEMPT FROM
	BELIEF	BELIEF	BELIEF	EVERY REQUIRED	EVERY REQUIRED
	EXEMPTION	EXEMPTION	EXEMPTION	VACCINE	VACCINE
GEOGRAPHY	(2016-17)	(2017-18)	(2018-19)	(2017-18)	(2018-19)
Southeast Maricopa Region	7.8%	8.9%	9.0%	5.2%	5.7%
Southeast Maricopa Region Maricopa County	<b>7.8%</b> 5.4%	<b>8.9%</b> 5.9%	<b>9.0%</b> 6.5%	<b>5.2%</b> 3.7%	4.0%

Source: Arizona Department of Health Services. (2019). 2016-17 to 2018-19 Kindergarten Immunization Data. Custom data tabulation from requested data; Arizona Department of Health Services. (2019). Kindergarten Immunization Coverage by County, 2016-17 to 2018-2019 School Years. Retrieved from <u>https://www.azdhs.gov/preparedness/epidemiology-disease-control/immunization/index.php#reports-immunization-coverage</u>

# **Illness and Injury**

2015-2018 cumulative			
	NUMBER OF NON-FATAL		
	INPATIENT HOSPITALIZATIONS	MOST COMMON	SECOND MOST
	FOR CHILDREN (AGES 0-5),	REASON FOR	COMMON REASON
GEOGRAPHY	2015-2018 TOTALS	HOSPITALIZATION	FOR HOSPITALIZATION
Southeast Maricopa Region	391	Falls (37%)	Poisoning (13%)
Southeast Maricopa Region Maricopa County	<b>391</b> 1,847	<b>Falls (37%)</b> Falls (35%)	Poisoning (13%) Poisoning (15%)

Table 73. Non-fatal hospitalizations of young children (ages 0-5) for unintentional injuries, 2015-2018 cumulative

Source: Arizona Department of Health Services. (2019). 2015-2018 Child Injury Data. Unpublished data received by request

# Table 74. Non-fatal emergency-room visits by young children (ages 0-5) for unintentional injuries, 2015-2018 cumulative

-			
	NUMBER OF NON-FATAL	MOST COMMON	
	EMERGENCY ROOM VISITS	REASON FOR	SECOND MOST COMMON
	FOR CHILDREN (AGES 0-5),	EMERGENCY ROOM	REASON FOR EMERGENCY
GEOGRAPHY	2015-2018 TOTALS	VISIT	ROOM VISIT
Southeast Maricopa Region	20,652	Falls (49%)	Struck by or against (13%)
Maricopa County	117,039	Falls (47%)	Struck by or against (14%)
Arizona	181,068	Falls (46%)	Struck by or against (14%)

Source: Arizona Department of Health Services. (2019). 2015-2018 Child Injury Data. Unpublished data received by request

Note: "Struck by or against" denotes being struck by or against an object or person, not including vehicles.

	NUMBER OF INPATIENT	AVERAGE LENGTH OF	NUMBER OF EMERGENCY
	HOSPITALIZATIONS FOR	STAY (DAYS) FOR ASTHMA	ROOM VISITS FOR
	ASTHMA (AGES 0 TO 5,	HOSPITALIZATION (AGES	ASTHMA (AGES 0 TO 5,
	EXCEPT NEWBORNS),	0-5 EXCEPT NEWBORNS),	EXCEPT NEWBORNS),
GEOGRAPHY	2015-2017 TOTALS	2015-2017	2015-2017 TOTALS
Southeast Maricopa Region	260	1.5	1,316
Maricopa County	1,376	1.7	9,616
Arizona	2,232	1.9	12,812

#### Table 75. Asthma hospitalizations and emergency-room visits, 2015-2017 cumulative

Source: Arizona Department of Health Services. (2019). 2015-2017 Child Asthma Data. Unpublished data received by request

#### Table 76. Child mortality, 2015-2017 cumulative

	TOTAL NUMBER OF DEATHS OF	TOTAL NUMBER OF DEATHS OF
	YOUNG CHILDREN	CHILDREN
GEOGRAPHY	(AGES 0-4), 2015 TO 2017	(AGES 0-17), 2015 TO 2017
Southeast Maricopa Region	207	292
Maricopa County	1,069	1,464
Arizona	1,682	2,357

Source: Arizona Department of Health Services. (2019). 2015-2017 Child Mortality Data. Unpublished data received by request

# Family Support and Literacy

# Why it Matters

Families and caregivers play a critical role as their child's first and most important teacher. Positive and responsive early relationships and interactions support optimal brain development during a child's earliest years and lead to better social, physical, academic, and economic outcomes later in life.<sup>198,199,200,201</sup> Parental and family involvement is positively linked to academic skills and literacy in preschool, kindergarten, and elementary school.<sup>202</sup> Children benefit when their families have the knowledge, resources, and support to use positive parenting practices, and support their child's healthy development, nutrition, early learning, and language acquisition. Specifically, knowledge of positive parenting practices and child development has been identified as one of five key protective factors that improve child outcomes and reduce the incidence of child abuse and neglect.<sup>ix,203</sup>

**Early literacy.** Parental and family involvement is positively linked to academic skills and literacy in preschool, kindergarten and elementary school.<sup>204</sup> Early literacy promotion, through singing, telling stories, and reading together, is so central to a child's development that the American Academy of Pediatrics has emphasized it as a key issue in primary pediatric care, aiming to make parents more aware of their important role in literacy.<sup>205</sup>

A child's reading skills when entering elementary school have been shown to strongly predict academic performance in later grades, emphasizing the importance of early literacy for future academic success.<sup>206,207</sup> Home-based literacy practices between parents and caregivers and young children, specifically, have been shown to improve children's reading and comprehension, as well as children's motivation to learn.<sup>208,209</sup> However, low-income families may face additional barriers to home-based literacy practices, including limited free time with children, limited access to books at home, and a lack of knowledge of kindergarten readiness.<sup>210</sup>

Communities may employ many resources to support families in engaging with their children, including through targeted programs like home visitation programs and "stay and play" programs, or participating in larger initiatives like Read On Arizona or the national "Reach Out & Read" program.<sup>211</sup>

Adverse childhood experiences. Unfortunately, not all children are able to begin their lives in positive, stable, nurturing environments. Experiences early in life can have lasting impacts on an individual's mental and physical health. Adverse Childhood Experiences (ACEs) have been linked

<sup>&</sup>lt;sup>ix</sup> The Center for the Study of Social Policy developed Strengthening Families: A Protective Factors Framework<sup>™</sup> to define and promote quality practice for families. The research-based, evidence-informed Protective Factors are characteristics that have been shown to make positive outcomes more likely for young children and their families, and to reduce the likelihood of child abuse and neglect. Protective factors include: parental resilience, social connections, concrete supports, knowledge of parenting and child development, and social and emotional competence of children.

to future risky health behaviors (such as smoking, drug use, and alcoholism), chronic health conditions (including diabetes, depression, and obesity), poorer life outcomes (such as lower educational achievement and increased lost work time), and early death.<sup>212</sup> Likewise, Positive Childhood Experiences (PCEs) have cumulative, long-term impacts on mental and relational health. Experiences such as positive parent-child relationships and feelings of safety and support make positive impacts throughout a child's life.<sup>213</sup> Nationally and in Arizona, very young children are most at risk for child abuse, neglect, and fatalities from abuse and neglect. In 2017, children five years old and younger made up more than half (55%) of child maltreatment victims in Arizona.<sup>214</sup> Future poor health outcomes are also more likely as an individual's ACE score increases.<sup>215</sup> Children in Arizona are considerably more likely to have experienced two or more ACEs (27.3%)<sup>x</sup>, compared to children across the country (8.3%).<sup>216</sup> These children and their families may require specific, targeted resources and interventions in order to reduce harm and prevent future risk.<sup>217</sup>

**Mental and behavioral health.** Behavioral health supports, both for children and caregivers, are often needed to address exposure to adverse childhood events. Infant and toddler mental health development involves the young child's developing capacity to "experience, regulate and express emotions; form close interpersonal relationships; and explore the environment and learn."<sup>218</sup> When young children experience stress and trauma they often suffer physical, psychological, and behavioral consequences and have limited responses available to react to those experiences. Understanding the behavioral health of mothers is also important for the well-being of Arizona's young children. Mothers dealing with behavioral health issues such as depression may not be able to perform daily caregiving activities, form positive bonds with their children, or maintain relationships that serve as family supports.<sup>219</sup>

**Child removals and foster care.** There are situations where the harm in remaining with their family is determined to be too great to a child and they are removed from their home, either temporarily or permanently. In accordance with the Indian Child Welfare Act of 1978, many tribal governments manage their own child welfare systems that must work cooperatively with state systems.<sup>220</sup> Children involved in foster care systems often have physical and behavioral health issues, in addition to the social-emotional needs brought on by being removed from a parent's care.<sup>221</sup> Foster parents often need education, support, and resources to ensure they are able to successfully care for foster children who may have these added health needs. According to a 2015 Arizona Department of Child Safety Independent Review, focusing on evidence-based targeted interventions for families at risk of child removal—including home visitation, positive parenting programs, and family-based therapy—may help lower this risk, thus reducing placements in foster care systems.<sup>222</sup>

<sup>&</sup>lt;sup>x</sup> For more data on Adverse Childhood Experiences among children in Arizona, please see the <u>2019 Building</u> <u>Brighter Futures Report</u> published by First Things First.

## What the Data Tell Us

#### **Home Visitation**

• In 2019, 586 families in the Southeast Maricopa Region received First Things Firstfunded home visitation services, including 36 families who successfully completed and graduated<sup>xi</sup> from home visitation programs (Table 77).

#### **Child Removals and Foster Care**

- Between January 2018 and June 2018, there were 1,706 substantiated maltreatment reports in Maricopa County. Of those substantiated reports, the majority were related to neglect (82%), with a smaller proportion related to physical abuse (13%) and sexual abuse (5%) (Table 78).
- The statewide number of child removals by the Department of Child Safety (DCS) declined from 2014 to 2017. Between January 2018 and June 2018, 16 percent of DCS reports resulted in a child removal in Maricopa County, with 2,895 children removed (Table 79, Figure 12, & Table 80).
- While the number of foster placements statewide declined between 2015 to 2018, the number of licensed foster homes steadily increased during this time (Table 81 & Table 82).

<sup>&</sup>lt;sup>xi</sup> Graduation rates do not necessarily reflect those retained in the program. Families who did not graduate may still be continuing in the program.

# **Home Visitation**

Table 77 Eirct Th	hinge Eiret funded home	viciting program data	, State Fiscal Year 2019
I dule //. FII SU II	ווווצג דווגנ-ועוועפט ווטווונ	. גוצונוווא מנסאנמווו ממנס	. Slale fislal fedi ZUIS
			,

		FAMILIES SUCCESSFULLY
		GRADUATED FROM HOME
GEOGRAPHY	NUMBER OF FAMILIES SERVED	VISITATION PROGRAMS
Southeast Maricopa Region	586	36

Source: First Things First. (2019). Home Visitation Program Data. Unpublished data received by request

Note: This is an unduplicated count of families who received home visitation services since the beginning of the contract year. Families are only counted one time during the year even if they enrolled in home visitation multiple times. Graduation rates do not necessarily reflect those retained in the program. Families who did not graduate may still be continuing in the program. Program completion/graduation is defined differently by home visitation models: PAT: Services are offered for 2 years or until the child ages out (age 6). HFAZ: Services are offered until the child is at least three years old and can continue up to age five. NFP: Services are offered prenatally until the child's 2nd birthday.

# **Child Removals and Foster Care**

	TOTAL SUBSTANTIATED		PHYSICAL	SEXUAL	EMOTIONAL
GEOGRAPHY	MALTREATMENT REPORTS	NEGLECT	ABUSE	ABUSE	ABUSE
Maricopa County	1,706	82%	13%	5%	<1%
Arizona	3,104	83%	13%	4%	<1%

#### Table 78. Substantiated maltreatment reports by type, January to June, 2018

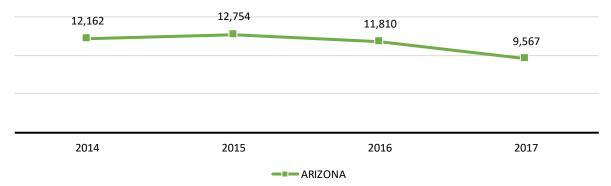
Source: Arizona Department of Child Safety. (2019). Semi-Annual Child Welfare Report. Retrieved from <u>https://dcs.az.gov/DCS-</u> <u>Dashboard</u>

#### Table 79. Children removed by the Department of Child Safety (DCS), 2014 to 2017

GEOGRAPHY	2014	2015	2016	2017
Arizona	12,162	12,754	11,810	9,567

Source: Arizona Department of Child Safety. (2019). Semi-Annual Child Welfare Report. Retrieved from <u>https://dcs.az.gov/DCS-</u> <u>Dashboard</u>

#### Figure 12. Children removed by the Department of Child Safety (DCS), 2014 to 2017



Source: Arizona Department of Child Safety. (2019). Semi-Annual Child Welfare Report. Retrieved from <u>https://dcs.az.gov/DCS-</u> <u>Dashboard</u>

				,, ,, ,,	•
				NUMBER OF	PERCENT OF
		NUMBER OF	PERCENT OF	CHILDREN WITH	CHILDREN WITH
	TOTAL	CHILDREN	CHILDREN	PRIOR REMOVAL IN	PRIOR REMOVAL IN
GEOGRAPHY	REPORTS	REMOVED	REMOVED	LAST 24 MONTHS	LAST 24 MONTHS
Maricopa County	18,366	2,895	16%	235	8%
Arizona	30,943	4,797	16%	434	9%

#### Table 80. Children removed by the Department of Child Safety (DCS), January to June, 2018

Source: Arizona Department of Child Safety. (2019). Semi-Annual Child Welfare Report. Retrieved from <u>https://dcs.az.gov/DCS-</u> Dashboard

#### Table 81. Number of foster placements, 2015 to 2018

GEOGRAPHY	2015	2016	2017	2018
Arizona	17,592	18,906	16,899	14,929

Source: Arizona Department of Child Safety. (2019). Semi-Annual Child Welfare Report. Retrieved from <u>https://dcs.az.gov/DCS-</u> <u>Dashboard</u>

#### Table 82. Number of licensed foster homes, 2015 to 2018

GEOGRAPHY	2015	2016	2017	2018
Arizona	4,497	4,681	5,000	5,213

Source: Arizona Department of Child Safety. (2019). Semi-Annual Child Welfare Report. Retrieved from <u>https://dcs.az.gov/DCS-Dashboard</u>

# Systems Coordination among Early Childhood Programs and Services

## Why it Matters

From November 2016 to June 2017, First Things First convened the second Arizona Early Childhood Task Force, comprised of diverse leaders from across the state. The goal of the task force was to create an ambitious, yet attainable, statewide five-year plan for First Things First and Arizona's early childhood system. Building from the model early-childhood system developed in 2010, the task force identified six desired outcomes, one of which is "When the early childhood system is successful, everyone will benefit from living in communities where the early childhood system is high-quality, centered on children and families, coordinated, integrated and comprehensive." First Things First's role in building this system is to foster crosssystem collaboration among local, state, federal, and tribal organizations to improve the coordination and integration of programs, services, and resources for young children and their families.

Through system building, First Things First connects various components of the early childhood system to create a more holistic system that promotes shared results for children and families. Agencies that work together are often easier for families to access, and the services they provide are more responsive to those families' needs. Coordination efforts may also increase agencies' capacity to deliver services by identifying and addressing gaps in the service delivery continuum. By supporting a variety of coordination efforts, First Things First aims to create a high quality, interconnected, and comprehensive system of early-childhood service delivery that enhances children's overall development and that is timely, culturally responsive, family driven, and community based. Determining how these efforts are affecting each of the 28 regions and their families can help inform services, programs, and policy decisions to benefit families and young children throughout the state.

# What the Data Tell Us

Families in Maricopa County often face challenges in locating and accessing services. Commonly cited barriers include the sheer volume of agencies and programs as well as the lack of coordination among those agencies. Therefore, the six Phoenix and Maricopa regional partnership councils have joined together to invest in a variety of countywide initiatives to increase awareness of, and access to, services for families. Some examples of this work include:

- FindHelpPhoenix.org and its Spanish partner site, EncuentraAyudaPhx.org, is an easy-touse, mobile, friendly website that empowers residents of Maricopa County to find the help they need from more than 2,000 free and low-cost resources. Visitors to the online resource are able to locate specific services or programs and the information displays a description of the organization, its services, costs (most are free), eligibility requirements and directions to the point of service.
- The Family Resource Network includes more than 40 family resource centers working together to increase awareness, availability and quality of their services. These centers provide families with referrals and connections to community resources as well as the tools that parents and families need to support their children's development.
- Parent Partners Plus (PPP), the home visitation coordinated referral system, provides families with a single entry point to access home visitation programs. PPP is responsible for assessing families' needs and referring them to the most appropriate program. All home visitation providers in Maricopa County, representing 15 agencies, as well as other social service providers, participate in this system.
- The Court Teams strategy strengthens the support for infants, toddlers and their families involved in the juvenile or family court system through training, shared planning, systems improvement and regular consultation between the courts and the agencies working with children and families. Navigators further assist families with 1:1 guidance as they seek supports in their own community or through the system.
- Early Childhood Nutrition Teams bring together community partners to develop and implement local and county-wide strategies that lead to efficient referrals and coordinated systems between food providers and family support services.
- Along with the cross-regional system building strategies mentioned above, the Southeast Maricopa Regional Partnership Council has also invested in the Mesa Early Learning Network to help support the early childhood system in the region. Organizations responsible for providing services in the region are engaged in planning to enhance service delivery for families, eliminate duplication, identify gaps in needed services and ensure families have access to and can participate in programs and services when they need it.

# **Communication, Public Information and Awareness**

# Why it Matters

Public awareness of the importance of early childhood development and health is critical in building a comprehensive, effective early childhood system in Arizona. Building public awareness and support for early childhood impacts individual behaviors as well as the broader objectives of system building. For the general public, information and awareness is the first step in taking positive action in support of children birth to age 5. This could include a range of actions—from influencing their personal networks by sharing early childhood information to actively encouraging community leaders to support programs and services for young children. For parents and other caregivers, awareness is the first step to engaging in programs or behaviors that will better support their child's health and development.

There is no single communications strategy that will achieve the goal of making early childhood an issue that more Arizonans value and prioritize. Therefore, integrated strategies that complement and build on each other are key to any successful strategic communications effort. Employing a range of communications strategies to share information—from traditional broadbased tactics such as paid media advertising to grassroots, community-based tactics such as community outreach—ensures that diverse audiences are reached more effectively across multiple media platforms. A thoughtful and disciplined combination of methods of delivering information is required to ensure multiple messaging touch-points for diverse audiences: families, civic organizations, faith communities, businesses, local leaders, and others.

# What the Data Tell Us

Since State Fiscal Year 2011, First Things First (FTF) has led a collaborative, concerted effort to build public awareness and support across Arizona employing integrated communications strategies that now include:

- strategic messaging and branding
- community outreach
- community awareness
- social media
- digital content marketing
- earned media
- paid media advertising

Progress toward building support for children birth to age 5 can be measured by changes in awareness, attitudes and behaviors, as demonstrated through key results of a periodic statewide survey and through tactical impact measures. The most recent statewide survey was conducted in September 2018 and included a general phone survey as well as an online survey of parents of young children. Key results include the following:

- Those who agree that the state should ensure all children have access to early childhood services increased from 80 percent in 2012 to 84 percent in 2018.
- Among parents, this measure increased from 81 percent in 2016 (the first available parent survey results) to 87 percent in 2018.
- Those who agree that a child who received early education and healthcare services before age 5 is more likely to succeed in school and beyond increased from 82 percent in 2012 to 88 percent in 2018.
- Among parents, agreement increased from 85 percent in 2016 to 87 percent in 2018.
- Those who agree that the state should put the same priority on early education as it does on K-12 education increased from 62 percent in 2012 to 72 percent in 2018.
- Among parents, agreement increased from 69 percent in 2016 to 74 percent in 2018.

While understanding and supporting early childhood in general is critical, it's also important that Arizonans have a trustworthy source of early childhood resources and know about the availability of early childhood resources, programs and tools. For this reason, building awareness of FTF as a credible source is critical. Results of the most recent statewide survey show that, while some progress has been made, there is still more to be done to increase awareness about FTF.

- In the 2018 general survey, 87 percent of respondents had never heard of FTF, compared to 89 percent in 2012.
- Among parents specifically, more had heard of FTF, with 66 percent stating they had never heard of FTF, compared to 69 percent in 2016.

While this statewide survey offers a measure of broad changes in attitudes and awareness, specific tactical measures of awareness and support-building strategies employed by FTF offer another point of information. These include:

- FTF implemented three annual statewide awareness campaigns since the last regional needs and assets reporting period. The SFY17-SFY18 campaign—*Help Them Get There*—shared messaging about the importance of the early years for future school and life success and that parents' everyday positive interactions with babies, toddlers and preschoolers promote healthy development. The SFY19 campaign—*Givers of Care*—focused specifically on the important role of caregivers and quality early learning environments.
- These paid campaigns reached a large number of Arizonans, measured through the total number of traditional and digital media impressions. Traditional media impressions refer to television, radio, cinema, and billboard ads, while digital media impressions refer to online ads which appear on both desktop and smartphone devices. These statewide impressions—which measure the estimated number of views of FTF ads—are detailed below.

	SFY17	SFY18	SFY19
Traditional media impressions	10 million	17 million	11 million
Digital media impressions	66 million	100 million	76 million

#### Table 83. First Things First media awareness campaign impressions, SFY17-SFY19

Source: First Things First. (2019). Communications Strategy Data. Unpublished data received by request

- In addition, targeted digital advertising allows geographically-based targeting of audiences within regions with the ability to measure the number of click-throughs that digital ads garnered. The click-throughs delivered viewers to the FTF website. In SFY19, digital advertising led to a total of 296,596 clicks-throughs across Maricopa County to the FTF website where families could access more information and resources.
- In the area of social media, engagement with FTF early childhood online platforms has grown over the years. Particular success has been seen in the growth of Facebook Page Likes for FTF, which grew from just 3,000 in 2012 to 142,600 in 2019. Content is also distributed through Twitter, LinkedIn and Instagram.
- Since its inception in SFY17, FTF's digital content marketing strategy which targets parents and families with engaging and informative video and blog posts via website,

social media, and email has expanded its reach. In SFY19, 40 original, high-quality content pieces were published.

• In SFY19, an online searchable database of early childhood programs funded by FTF in all the regions launched. In the first six months, over 24,187 visits were logged.

In addition, FTF began a community engagement effort in SFY14 to recruit, motivate and support community members to take action on behalf of young children. The community engagement program is led by community outreach staff in regions which fund the FTF Community Outreach strategy. This effort focuses on engaging individuals across sectors—including business, faith, K-12 educators, and civic organizations—in the work of spreading the word about the importance of early childhood as trusted, credible messengers in their communities.

Focused efforts to engage parents' most trusted messengers—which include pediatricians included creating and distributing a toolkit for health providers to help them better understand and share information on the statewide free Birth to 5 Helpline. This toolkit was also distributed to attendees of the annual conference of the Arizona Chapter of the American Academy of Pediatrics. Other statewide awareness partnerships included creation and distribution of a grocery list tip pad for parents and caregivers sharing Read On Arizona's Smart Talk tips, a digital content sharing partnership with Expect More Arizona and partnering with the Arizona Association for the Education of Young Children on a social media campaign promoting Week of the Young Child.

Because Arizona is so vast—with more than 500,000 children under age 6 and nearly 400,000 households with kids under age 6—engaging others in spreading the word about early childhood is critical to reaching across diverse geographic areas and expanding our reach. Supporters and Champions—who are trained in early childhood messaging and effective ways to share early childhood information—reported a total of 940 positive actions taken on behalf of young children throughout Arizona in SFY19. Of those, 377 Supporters and 65 Champions were associated with the Southeast Maricopa Region, and they completed 58 positive actions. These actions range from leading presentations in support of early childhood to sharing FTF's early childhood resources with parents at community events. Table 84 shows total recruitment of Supporters and Champions through SFY19 and actions taken in SFY19.

			SUPPORTER AND
			CHAMPION ACTIONS IN
GEOGRAPHY	SUPPORTERS	CHAMPIONS	SFY19
Southeast Maricopa Region	377	65	58
Arizona	6,258	1,170	940

#### Table 84. FTF engagement of early childhood supporters and champions, SFY19

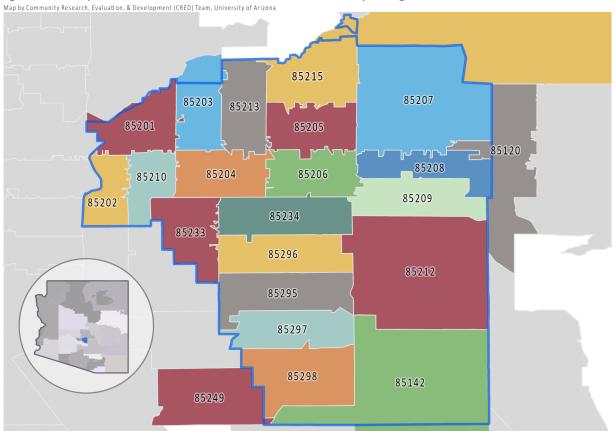
Source: First Things First. (2019). Communications Strategy Data. Unpublished data received by request

First Things First has also led a concerted effort to build awareness among policymakers at all levels (federal, tribal, state, and municipal) of the importance of early childhood. This includes: in-office meetings with elected leaders to provide general information on early childhood, as well as discuss the impact of proposed legislation; regular communication to policymakers with updates on early childhood research and the work of FTF (such as a quarterly email newsletter for policymakers and their staff); and site tours of FTF-funded programs to allow policymakers to see the impact of early childhood investments in their area. In SFY19, FTF also launched ACT4KIDS, a text-based system that alerts participants to timely developments in early childhood policy and opportunities to engage with policymakers. In its first nine months of implementation, more than 700 Arizonans had signed up to participate in ACT4KIDS.

In addition, FTF actively participates in the Arizona Early Childhood Alliance, comprised of more than 50 early childhood system leaders like United Way, the state affiliates of the National Association for the Education of Young Children, Southwest Human Development, Children's Action Alliance, Read On Arizona, Stand for Children, Expect More Arizona, and the Helios Foundation, which represents a united voice of the early childhood community in advocating for early childhood programs and services. For the past three years, the Alliance has also led an annual Early Childhood Day at the legislature, which draws hundreds of Arizonans to the state Capitol to engage with policymakers and show their support for early childhood development and health.

# Appendix 1: Map of zip codes of the Southeast Maricopa Region

Figure 13. Map of the ZIP codes in the Southeast Maricopa Region



Source: Custom map by the Community Research, Evaluation, & Development (CRED) Team using shapefiles obtained from First Things First and the U.S. Census Bureau 2019 TIGER/Line Shapefiles (<u>https://www.census.gov/cgi-bin/geo/shapefiles/index.php</u>)

# Appendix 2: Zip Codes of the Southeast Maricopa Region

Table 85. Zip	Code l'abulati	ion Areas in t	ne southeast i	viaricopa Regi	on	
					PERCENT OF	
					ZCTA'S TOTAL	
				HOUSEHOLDS	POPULATION	
				WITH ONE OR	LIVING IN THE	
ZIP CODE			TOTAL	MORE	SOUTHEAST	
TABULATION	TOTAL	POPULATION	NUMBER OF	CHILDREN	MARICOPA	THIS ZCTA IS
AREA (ZCTA)	POPULATION	(AGES 0-5)	HOUSEHOLDS	(AGES 0-5)	REGION	SHARED WITH
Southeast						
Maricopa	725,950	68,471	264,397	47,562		
Region						
85120	4,573	189	2,283	135	16%	Pinal
85120	4,575	105	2,205	155	10%	Filidi
85142	32,379	3,935	9,455	2,671	66%	Pinal
85201	46,092	4,923	17,915	3,362	100%	
85202	37,275	3,264	15,628	2,378	100%	
						Salt River Pima-
85203	34,997	3,778	12,024	2,527	98%	Maricopa
05205	54,557	3,770	12,024	2,527	5670	Indian
						Community
85204	60,885	6,849	20,016	4,632	100%	
85205	39,858	2,463	17,271	1,703	100%	
85206	33,154	2,247	15,249	1,573	100%	
85207	44,744	3,473	16,738	2,468	100%	
85208	34,762	2,593	14,074	1,841	100%	
85209	37,377	2,820	15,044	1,987	100%	
85210	36,464	4,076	12,853	2,782	100%	
85212	24,492	2,892	7,267	1,999	100%	
85213	31,797	2,424	11,443	1,663	100%	
85215	15,942	729	7,053	496	100%	East Maricopa & Salt River Pima-Maricopa Indian Community
85233	37,539	2,983	13,665	2,191	100%	East Maricopa
85234	50,014	4,497	16,345	3,110	100%	
85249	17	0	3	0	0%	East Maricopa

Table 85. Zip Code Tabulation Areas in the Southeast Maricopa Region

					PERCENT OF	
					ZCTA'S TOTAL	
				HOUSEHOLDS	POPULATION	
				WITH ONE OR	LIVING IN THE	
ZIP CODE			TOTAL	MORE	SOUTHEAST	
TABULATION	TOTAL	POPULATION	NUMBER OF	CHILDREN	MARICOPA	THIS ZCTA IS
AREA (ZCTA)	POPULATION	(AGES 0-5)	HOUSEHOLDS	(AGES 0-5)	REGION	SHARED WITH
Southeast						
Maricopa	725,950	68,471	264,397	47,562		
Region						
85295	38,332	4,578	12,721	3,257	100%	
85296	36,799	3,648	12,044	2,617	100%	
85297	26,979	3,716	8,120	2,530	100%	
85298	21,479	2,394	7,186	1,640	100%	
85213	31,797	2,424	11,443	1,663	100%	
85215	15,942	729	7,053	496	100%	East Maricopa & Salt River Pima-Maricopa Indian
						Community
85233	37,539	2,983	13,665	2,191	100%	East Maricopa

Source: U.S. Census Bureau (2010). 2010 Decennial Census, Summary File 1, Tables P1, P14, & P20

# **Appendix 3: School Districts in the Southeast Maricopa Region**

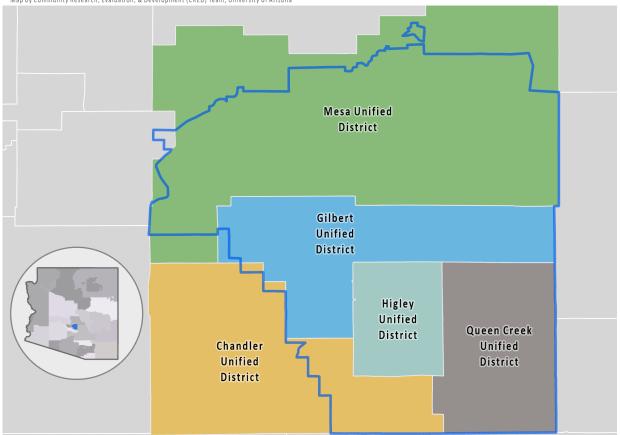


Figure 14. Map of school districts in the Southeast Maricopa Region

Map by Community Research, Evaluation, & Development (CRED) Team, University of Arizona

Source: Custom map by the Community Research, Evaluation, & Development (CRED) Team using shapefiles obtained from First Things First and the U.S. Census Bureau 2019 TIGER/Line Shapefiles (<u>https://www.census.gov/cgi-bin/geo/shapefiles/index.php</u>)

#### Table 86. School Districts/Local Education Authorities in the Southeast Maricopa Region

			PERCENT OF	
		K-3RD GRADE	K-3RD GRADE	THIS DISTRICT
	SCHOOLS IN	STUDENTS IN	STUDENTS IN	IS SHARED
DISTRICT/LEA NAME	DISTRICT/LEA	DISTRICT/LEA	REGION	WITH
Southeast Maricopa Region	260	56,842		
Mesa Unified District	76	18,089	95%	East Maricopa
Chandler Unified District #80	43	11,628	20%	East Maricopa
Gilbert Unified District	39	9,002	100%	
Higley Unified School District	13	3,739	100%	
American Leadership Academy, Inc.	9	2,941	56%	Pinal

DISTRICT/LEA NAME	SCHOOLS IN DISTRICT/LEA	K-3RD GRADE STUDENTS IN DISTRICT/LEA	PERCENT OF K-3RD GRADE STUDENTS IN REGION	THIS DISTRICT IS SHARED WITH
Southeast Maricopa Region	260	56,842		
Queen Creek Unified District	10	2,427	100%	
Eduprize Schools, LLC	2	1,540	47%	Pinal
Benjamin Franklin Charter School	4	1,138	100%	
Noah Webster Schools - Mesa	1	553	100%	
Legacy Traditional School - Gilbert	1	534	100%	
American Basic Schools LLC	1	498	100%	
Edkey, Inc Pathfinder Academy	3	435	100%	
East Mesa Charter Elementary School, Inc.	1	395	100%	
Arizona Connections Academy Charter School, Inc.	1	390	100%	
Montessori Education Centre Charter School	2	330	100%	
ASU Preparatory Academy	1	295	100%	
Self Development Charter School	1	284	100%	
Edkey, Inc Sequoia Charter School	2	260	100%	
BASIS Schools, Inc.	1	246	100%	
LEAD Charter Schools	4	217	100%	
CAFA, Inc. dba Learning Foundation and Performing Arts Gilbert	2	198	100%	
Cambridge Academy East, Inc	2	198	100%	
Challenger Basic School, Inc.	1	173	100%	
Ball Charter Schools (Val Vista)	1	135	100%	
EAGLE College Prep Mesa, LLC.	1	125	100%	
Kaizen Education Foundation dba Vista Grove Preparatory Academy Elementary	1	123	100%	
West Gilbert Charter Elementary School, Inc.	1	122	100%	
CAFA, Inc. dba Learning Foundation Performing Arts School	1	105	100%	
Boys & Girls Clubs of the East Valley dba Mesa Arts Academy	1	104	100%	
Kaizen Education Foundation dba Liberty Arts Academy	1	100	100%	

			PERCENT OF	
		K-3RD GRADE	K-3RD GRADE	THIS DISTRICT
	SCHOOLS IN	STUDENTS IN	STUDENTS IN	IS SHARED
DISTRICT/LEA NAME	DISTRICT/LEA	DISTRICT/LEA	REGION	WITH
Southeast Maricopa Region	260	56,842		
New Horizon School for the Performing Arts	1	95	100%	
CAFA, Inc. dba Learning Foundation and Performing Arts Alta Mesa	1	92	100%	
Kaizen Education Foundation dba Gilbert Arts Academy	1	78	100%	
Concordia Charter School, Inc.	1	69	100%	
Edkey, Inc Sequoia Choice Schools	2	67	100%	Phoenix South
Arizona Education Solutions	2	35	100%	
Gem Charter School, Inc.	1	33	100%	
STEP UP Schools, Inc.	1	31	100%	
Montessori House, Inc.	1	18	100%	
Edkey, Inc Sequoia School for the Deaf and Hard of Hearing	2	<11	44%	Phoenix South
East Valley Academy	1	<11	100%	

Source: Arizona Department of Education. (2019). FY 2018 & FY 2019 Enrollment Data. Custom tabulation facilitated by agency staff

Note: This table only contains Districts/LEAs with enrolled K-3rd grade students physically located within regional boundaries. It does not reflect the residence of students that attend these schools. It does not include high school districts. These are the districts and charter operators from which data on preschool to 3rd grade students were drawn for the tables and figures presented in this report. The percentage shown in the "Percent of K-3rd grade students in the region" column was used to apportion district-level enrollment counts to the region. All other data were aggregated at the school level. The "Schools in district/LEA" and "K-3rd grade students in district/LEA" columns reflect totals for the district, not only the portion within the region.

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