

Child Development and Care Scholarship Usage (Updated December 2024)

Provider-Level Data

Licensed child care providers are classified by different license types. A center is a provider operating outside of a home, while group and family homes operate within a home setting. Group homes are licensed to serve up to 12 children and family homes are licensed for up to six children. Licensed exempt providers work with the state licensing department to operate within specific considerations. Licensing and provider information was provided by the Michigan Licensing and Regulatory Affairs; providers are included in the map only if they serve children from 0 to 13 years old. Licensed provider information was collected in June 2024, while licensed exempt provider information is from July 2024.

Census Tract-Level Data

Using the column labels and data provided by the Census (U.S. Census Bureau, 2022), the formulas for the estimated number of 0 to 17-year-olds (YOs) for each FPL levels in a census tract are =

- **Population** = B17024_002E + B17024_015E + B17024_028E.
- **Under 50% FPL** = B17024_003E + B17024_016E + B17024_029E.
- **50 - 99% FPL** = B17024_004E + B17024_017E + B17024_030E + B17024_005E + B17024_018E + B17024_031E.
- **100 - 149% FPL** = B17024_006E + B17024_019E + B17024_032E + B17024_007E + B17024_020E + B17024_033E.
- **150 - 199% FPL** = B17024_008E + B17024_021E + B17024_034E + B17024_009E + B17024_022E + B17024_035E + B17024_010E + B17024_023E + B17024_036E.
- **200 - 299% FPL** = B17024_011E + B17024_024E + B17024_037E.
- **300 - 399% FPL** = B17024_012E + B17024_025E + B17024_038E.
- **400 - 499% FPL** = B17024_013E + B17024_026E + B17024_039E.
- **500% + FPL** = B17024_014E + B17024_027E + B17024_040E.

The estimated median FPL for 0 to 17YOs for each census tract was calculated as following =

- **No Kids** = The population is 0.
- **0 - 49% FPL** = 51%+ of the population have a household income of 0 to 49% FPL.
- **50 - 99% FPL** = 51%+ of the population have a household income between 0 to 99% FPL.
- **100 - 149% FPL** = 51%+ of the population have a household income between 0 to 149% FPL.
- **150 - 199% FPL** = 51%+ of the population have a household income between 0 to 199% FPL.
- **200 - 299% FPL** = 51%+ of the population have a household income between 0 to 299% FPL.
- **300 - 399% FPL** = 51%+ of the population have a household income between 0 to 399% FPL.
- **400- 499% FPL** = 51%+ of the population have a household income between 0 to 499% FPL.
- **500% + FPL** = 50% of the population have a household income between 0 to 499% FPL.

Majority racial group at a census tract-level looks at the racial makeup of youth under 18 years old from the U.S. Census Bureau's American Community Survey (Mason et al., 2023b). If a racial group makes up 51% or greater of all youth under 18 years old, it is the majority racial group for a census tract. Due to limitations of the U.S. Census's racial categorizations, identities are limited to either White, Black or African American,

American Indian and Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, Some Other Race, or Two or More Races (i.e., multiracial), and Hispanic or Latino.

The Child Opportunity Level is provided by diversitydatakids.org and Brandeis University as a tool to estimate the resources and opportunities available for children in a geographic area. It looks at three domains specific to Michigan = social and economic capacity, health and environment, and education. 'Very High' means an area has a lot of resources available, while 'Very Low' means there are few resources. These estimates apply to all youth from 0 to 18YOs.

The geographic type of each census tract was determined using the Department of Education's (2021) classification of ZIP codes' geography. The proportion of a census tract's intersection with a ZIP code was determined using the R Statistic software. This proportion was assumed to mirror a ZIP code's classification as either a city, suburb, rural area, or town. Census tracts were classified based on their largest proportion of a specific geographic classification (as either a city, suburb, town or rural).

Census tracts are classified as 'Urgent' or 'High Priority' based on their county's Child Care Urgency Level. These classifications were determined in September 2022 by MSU's Community Evaluation Programs. To learn more, visit the **Areas with High Needs and Urgency Map** at cep.msu.edu/projects/child-care-mapping-project/maps-and-charts/areas-with-high-needs-and-urgency.

References

diversitydatakids.org (2024). Child Opportunity Index 3.0 database. Institute for Child, Youth and Family Policy at the Heller School for Social Policy and Management at Brandeis University. Retrieved from diversitydatakids.org/child-opportunity-index

Manson, S., Schroeder, J., Van Riper, D., Knowles, K., Kugler, T., Roberts, F., & Ruggles, S. (2023a). IPUMS National Historical Geographic Information System: Version 18.0 [2022 Census Tract GIS Shape Files]. Minneapolis, MN = IPUMS. Retrieved from doi.org/10.18128/D050.V18.0

Manson, S., Schroeder, J., Van Riper, D., Knowles, K., Kugler, T., Roberts, F., & Ruggles, S. (2023b). IPUMS National Historical Geographic Information System: Version 18.0 [American Community Survey, ACS 5-Year Estimates Detailed Tables, Table B01001A-I]. Minneapolis, MN: IPUMS. Retrieved from doi.org/10.18128/D050.V18.0

U.S. Census Bureau (2022). Age by Ratio of Income to Poverty Level in the Past 12 Months. American Community Survey, ACS 5-Year Estimates Detailed Tables, Table B17024. Retrieved from data.census.gov/table/ACSDT5Y2022.B17024?q=B17024&g=050XX00US26127

U.S. Department of Education (2021). Education Demographic and Geographic Estimates Program (EDGE): Locale Boundaries. National Center for Education Statistics. Retrieved from nces.ed.gov/programs/edge/Geographic/LocaleBoundaries