

STATE OF THE CHILDREN: EARLY LEARNING & CARE DATA SOURCES/REFERENCES

October 2023

The following information provides detailed citations for the data and research used to create the State of Children: Early Learning and Care products including statewide & regional 2-pagers and county-level dashboard.

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- Statewide report: Washington STEM (2023). State of the Children: Early learning & care in Washington state. Washington STEM. Retrieved from <https://washingtonstem.org/>
- Dashboard: Washington STEM (2022). *State of the Children (2022)*. [Dashboard]. Washington STEM. Retrieved from <https://washingtonstem.org/>

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1. Demographics (Race & Ethnicity) of Young Children Under six in the state
Washington State Office of Financial Management. (2022). Estimates of April 1 population by age, sex, race, and Hispanic origin (Preliminary county data: Race and Hispanic origin, 2021). [Data set]. OFM. Retrieved from <https://ofm.wa.gov/washington-data-research/population-demographics/population-estimates/estimates-april-1-population-age-sex-race-and-hispanic-origin>
2. Federal Poverty (2022)
The Assistant Secretary for Planning and Evaluation. (2022). HHS Poverty Guidelines for 2022 (2022 poverty guidelines for the 48 contiguous states and the district of Columbia, Jan. 12, 2022). [Table]. ASPE. Retrieved from <https://aspe.hhs.gov/topics/poverty-economic-mobility/poverty-guidelines>
3. Parents in the workforce
U.S. Census Bureau. (2021). Age of own children under 18 years in families and subfamilies by living arrangements by employment status of parents (American Community Survey, C23008). [Data table]. U.S. Census Bureau. Retrieved from <https://data.census.gov/>
4. # of children participating in the Working Connections Child Care program
Washington State Department of Children, Youth, and Families. (2022). Subsidy Take Up. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/practice/oiaa/reports/early-learning-dashboards>
5. 21% of people speak another language other than English at home
U.S. Census Bureau. (2015). Detailed Languages Spoken at Home and Ability to Speak English for the Population 5 Years and Over: 2009-2013 (American Community Survey). [Data table]. U.S. Census Bureau. Retrieved from <https://www.census.gov/data/tables/2013/demo/2009-2013-lang-tables.html>

Early Care and Education | Page 5

1. Statewide rate of licensed child care
Washington State Department of Children, Youth, and Families. (2022). Child Care and Early Learning Need and Supply Data. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/practice/oiaa/reports/early-learning-dashboards>
2. 63% of children with all caregivers in the workforce
The calculation was based off of 2021-22 ECEAP & Head Start Saturation Study
Washington State Department of Children, Youth, and Families. (2022). 2021-22 ECEAP & Head Start saturation study. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/sites/default/files/pdf/reports/ECEAP-HeadStartSaturationStudy2022.pdf>

Licensed Early Care: Affordability | Page 6

1. State median income

Washington State Department of Social and Health Services. (2022). State Median Income Chart. WA DSHS. Retrieved from <https://www.dshs.wa.gov/esa/eligibility-z-manual-ea-z/state-median-income-chart>

2. % of income on child care & Price by age group

Child Care Aware of Washington (2023). 2022 State and County Data Reports (2022). [Table]. CCA of WA. Retrieved from <https://childcareawarewa.org/2022-state-and-county-data-reports/>

Working Connections Child Care Subsidy | Page 6

Washington State Department of Children, Youth, and Families. (2022). Subsidy Take Up. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/practice/oiaa/reports/early-learning-dashboards>

Cost of high quality care vs. WCCC subsidy rates by age | Page 8

1. Washington State Department of Commerce (2022). The true cost of quality child care in Washington: Recommendations to make care more accessible for families and sustainable for providers. WA COM. Retrieved from: <https://www.commerce.wa.gov/about-us/boards-and-commissions/child-care-collaborative-task-force/>

2. Washington State Department of Children, Youth, and Families. (2022). Working Connections Child Care Subsidy Rates. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/services/earlylearning-childcare/getting-help/wccc>

ECEAP, Head Start, and Early Head Start | Page 8 & 9

Washington State Department of Children, Youth, and Families. (2022). 2021-22 ECEAP & Head Start saturation study. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/sites/default/files/pdf/reports/ECEAP-HeadStartSaturationStudy2022.pdf>

Family, Friends, and Neighbor Care | Page 9

1. All parents in workforce

U.S. Census Bureau. (2021). Age of own children under 18 years in families and subfamilies by living arrangements by employment status of parents (American Community Survey, C23008). [Data table]. U.S. Census Bureau. Retrieved from <https://data.census.gov/>

2. 25% of children spending time in the care of FFN

Early Learning Nation. (Jan. 13. 2022). *Bringing Unlicensed Care out of the Shadows*. Retrieved from: <https://earlylearningnation.com/2022/01/bringing-unlicensed-care-out-of-the-shadows/>

3. FFN rates

Washington State Department of Children, Youth, and Families. (2022). Working Connections Child Care Family, Friends & Neighbor Rates. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/services/earlylearning-childcare/getting-help/wccc>

Return on Investment | Page 12

Heckman, J. (2016). The Economics of Human Potential,, Retrieved from: <https://heckmanequation.org/resource/perry-preschool-midlife-toolkit/>

University of Pennsylvania. (n.d.). High Return on Investment. Center for High Impact Philanthropy School of Social Policy & Practice the University of Pennsylvania. Retrieved from: <https://www.impact.upenn.edu/early-childhood-toolkit/why-invest/what-is-the-return-on-investment/>

Economic Impact on Employers | Page 12

Washington State Department of Commerce (2018). The Mounting Costs of Child Care: Impacts of child care affordability and access to Washington's employers and economy. Retrieved from: http://www.commerce.wa.gov/wp-content/uploads/2019/09/MountingCostsReport_FINAL.pdf

Early care and Education workforce | Page 14

1. # of early care and education professionals

Washington State Employment Security Department. (2022). *Occupational employment and wage estimates - 2022 dashboard*. WA ESD. Retrieved from: <https://esd.wa.gov/labormarketinfo/occupations>

2. # of unmet need for child care (calculated based off DCYF # of licensed providers)

Washington State Department of Children, Youth, and Families. (2022). *Early Learning Dashboards*. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/practice/oiaa/reports/early-learning-dashboards>

3. Annual income estimates for educational professional in Washington (2022)

Washington State Employment Security Department. (2022). *Occupational employment and wage estimates - 2022 dashboard*. WA ESD. Retrieved from: <https://esd.wa.gov/labormarketinfo/occupations>

4. Federal Poverty (2022)

The Assistant Secretary for Planning and Evaluation. (2022). HHS Poverty Guidelines for 2022 (2022 poverty guidelines for the 48 contiguous states and the district of Columbia, Jan. 12, 2022). [Table]. ASPE. Retrieved from <https://aspe.hhs.gov/topics/poverty-economic-mobility/poverty-guidelines>

5. State median income

Washington State Department of Social and Health Services. (2022). State Median Income Chart. WA DSHS. Retrieved from <https://www.dshs.wa.gov/esa/eligibility-z-manual-ea-z/state-median-income-chart>

6. Living Wage (2 adults & 2 children)

Glasmeier, Amy. K. (2023). *Living Wage Calculator [Data table]*. Massachusetts Institute of Technology. <https://livingwage.mit.edu>. Data retrieved via living wage data request.

Key Findings | Page 15

1. Average full-time child care teacher salary

Washington State Employment Security Department. (2022). Occupational employment and wage estimates - 2022 dashboard. WA ESD. Retrieved from: <https://esd.wa.gov/labormarketinfo/occupations>

2. Self-sufficiency wage for a family of four

University of Washington. (2023). *The Center for Women's Welfare Self-Sufficiency Standard (The Self-Sufficiency Standard for Washington State by Diana Pierce, 2023)*. [Data table]. UW School of Social Work. Retrieved from: <https://selfsufficiencystandard.org/Washington/>

3. Medicaid eligibility

Washington State Health Care Authority. (2022). Program standard for income and resources. Retrieved from: <https://www.hca.wa.gov/free-or-low-cost-health-care/i-help-others-apply-and-access-apple-health/program-standard-income-and-resources>

4. Women, Infants, and Children (WIC) eligibility

Washington State Department of Health. (2022). WIC Eligibility. Retrieved from: <https://doh.wa.gov/you-and-your-family/wic/wic-eligibility>

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Additional educators needed to meet regional need: Calculation based off of DCYF need and supply data

Washington State Department of Children, Youth, and Families. (2022). Child Care and Early Learning Need and Supply Data. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/practice/oiaa/reports/early-learning-dashboards>

Sources | Regional State of the Children Early Learning & Care

Children Under Six in the Region | Page 1

1. Demographics (Race & Ethnicity) of Young Children Under six in the state Washington State Office of Financial Management. (2022). Estimates of April 1 population by age, sex, race, and Hispanic origin (Preliminary county data: Race and Hispanic origin, 2021). [Data set]. OFM. Retrieved from <https://ofm.wa.gov/washington-data-research/population-demographics/population-estimates/estimates-april-1-population-age-sex-race-and-hispanic-origin>

2. U.S. Census Bureau (2021). *Detailed household language by household limited English speaking status (American Community Survey, B16002)*. [Data table]. U.S. Census Bureau. Retrieved from <https://data.census.gov/>

Child Care Access and Affordability Affects Us All | Page 1

1. Access: Washington State Department of Children, Youth, and Families. (2022). Child Care and Early Learning Need and Supply Data. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/practice/oiaa/reports/early-learning-dashboards>

2. Average family's income:
Child Care Aware of Washington (2023). 2022 State and County Data Reports (2022). [Table]. CCA of WA. Retrieved from <https://childcareawarewa.org/2022-state-and-county-data-reports/>

ECEAP and Head Start | Page 1

Washington State Department of Children, Youth, and Families. (2022). 2021-22 ECEAP & Head Start saturation study. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/sites/default/files/pdf/reports/ECEAP-HeadStartSaturationStudy2022.pdf>

Early Learning Workforce | Page 1

Washington State Employment Security Department. (2022). *Occupational employment and wage estimates - 2022 dashboard*. WA ESD. Retrieved from: <https://esd.wa.gov/labormarketinfo/occupations>

Sources | Family Friendly Workplace Regional Reports

Demographics | Page 1

1. Children under six:

Washington State Office of Financial Management. (2022). Estimates of April 1 population by age, sex, race, and Hispanic origin (Preliminary county data: Race and Hispanic origin, 2021). [Data set]. OFM. Retrieved from <https://ofm.wa.gov/washington-data-research/population-demographics/population-estimates/estimates-april-1-population-age-sex-race-and-hispanic-origin>

2. Have all parents in the workforce:

U.S. Census Bureau. (2021). Age of own children under 18 years in families and subfamilies by living arrangements by employment status of parents (American Community Survey, C23008). [Data table]. U.S. Census Bureau. Retrieved from <https://data.census.gov/>

3. Do not have access to early learning:

Washington State Department of Children, Youth, and Families. (2022). Child Care and Early Learning Need and Supply Data. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/practice/oiaa/reports/early-learning-dashboards>

4. In low-income* households.

Calculated with poverty guidelines:

The Assistant Secretary for Planning and Evaluation (2022). HHS Poverty Guidelines for 2022 (2022 poverty guidelines for the 48 contiguous states and the district of Columbia, Jan. 12, 2022). [Table]. ASPE. Retrieved from <https://aspe.hhs.gov/topics/poverty-economic-mobility/poverty-guidelines>

A family of four would need to ... in order for child care to be 7% of their income | Page 1

Calculated with the cost of care data:

Child Care Aware of Washington (2022). 2021 State and County Data Reports (2021). [Table]. CCA of WA. Retrieved from <https://childcareawarewa.org/2021-state-and-county-data-reports/>

Price by age group | Page 1

Child Care Aware of Washington (2022). 2021 State and County Data Reports (2021). [Table]. CCA of WA. Retrieved from <https://childcareawarewa.org/2021-state-and-county-data-reports/>

Child care programs as small business: Economic impacts | Page 1

1. Cost of care & median price:

Child Care Aware of Washington (2022). 2021 State and County Data Reports (2021). [Table]. CCA of WA. Retrieved from <https://childcareawarewa.org/2021-state-and-county-data-reports/>

2. Maximum subsidy provided:

Washington State Department of Children, Youth, and Families. (2022). Working Connections Child Care Subsidy Rates. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/services/earlylearning-childcare/getting-help/wccc>

Impact to employers | Page 1

Calculated from:

Washington State Department of Commerce (2018). The Mounting Costs of Child Care: Impacts of child care affordability and access to Washington's employers and economy. Retrieved from: http://www.commerce.wa.gov/wp-content/uploads/2019/09/MountingCostsReport_FINAL.pdf

Percent of children with access to quality care | Page 1

Washington State Department of Children, Youth, and Families. (2022). Child Care and Early Learning Need and Supply Data. WA DCYF. Retrieved from: <https://www.dcyf.wa.gov/practice/oiaa/reports/early-learning-dashboards>

Growing the workforce | Page 1

Washington State Employment Security Department. (2022). *Occupational employment and wage statistics (OEWS)*. WA EDS. Retrieved from: <https://esd.wa.gov/labormarketinfo/occupations>

What Businesses Should Know | Page 2

Heckman, J. (2016). The Economics of Human Potential,, Retrieved from: <https://heckmanequation.org/resource/perry-preschool-midlife-toolkit/>

University of Pennsylvania. (n.d.). High Return on Investment. Center for High Impact Philanthropy School of Social Policy & Practice the University of Pennsylvania. Retrieved from: <https://www.impact.upenn.edu/early-childhood-toolkit/why-invest/what-is-the-return-on-investment/>

Sources | Dashboard

Vision and Equity Statement Cover Page

Suggested Citation of Data Source:

Washington Office of Superintendent of Public Instruction (2020). *Washington State Report Card (Kindergarten Readiness, 2019)*. [Data Set]. OSPI. Retrieved from <https://washingtonstatereportcard.ospi.k12.wa.us/>

Data Overview:

Vision and Equity Statement data referring to kindergarten readiness comes from the Washington Kindergarten Inventory of Developing Skills (WaKIDS) Assessment provided by the Washington Office of Superintendent of Public Instruction State Report Card. WaKIDS includes an assessment that is administered during the first two months of kindergarten. Teachers observe students across six areas of development and learning; Social-Emotional, Physical, Language, Cognitive, Literacy and Math. While the only requirement for kindergarten is to be five years of age by August 31, children who demonstrate readiness in all six areas have a greater likelihood of success in kindergarten and beyond. WaKids results are not available in the 2020-21 school year since that year's administration was affected by school closures due to Covid-19.

Demographics (Race & Ethnicity) of Young Children Under Age 6 Dashboard

Suggested Citation of Data Source:

Washington State Office of Financial Management (2022). *Estimates of April 1 population by age, sex, race, and Hispanic origin (Preliminary county data: Race and Hispanic origin, 2021)*. [Data set]. OFM. Retrieved from

<https://ofm.wa.gov/washington-data-research/population-demographics/population-estimates/estimates-april-1-population-age-sex-race-and-hispanic-origin>

Data Overview:

Each year, the Washington State Office of Financial Management (OFM) uses the Census Bureau data to update the Small Area Demographic Estimates (SADE) and related products. In 2022, OFM used the 2020 Census data released to provide preliminary county-level data updates as the Census Bureau has not released the most up-to-date data (2021) that OFM needs to fully update the SADE. Visit

<https://ofm.wa.gov/washington-data-research/population-demographics/population-estimates/estimates-april-1-population-age-sex-race-and-hispanic-origin> for more information.

Demographics | Common Languages

Suggested Citation of Data Source:

U.S. Census Bureau (2021). *Detailed household language by household limited English speaking status (American Community Survey, B16002)*. [Data table]. U.S. Census Bureau.

Retrieved from <https://data.census.gov/>

Data Overview:

The American Community Survey (ACS) releases new data every year through a variety of data tables that you can access with different data tools. Language spoken at home data help communities in educating children, ensuring equal opportunity, and understanding changes in the communities. Visit

<https://www.census.gov/acs/www/about/why-we-ask-each-question/language/>

for more information.

Cost of Child Care | Families & Cost of Child Care | Monthly (Economic Impact)

1. Child care should not cost no more than 7% of a family's income

Suggested Citation of Data Source:

Washington State Department of Commerce (2021). *Washington Child Care Collaborative Task Force*.

<https://www.commerce.wa.gov/about-us/boards-and-commissions/child-care-collaborative-task-force/>

Data Overview:

Washington State Department of Commerce (COM) uses the benchmark definition from the Department of Health and Human Services (HHS) in which the amount a family pays for the cost of child care should not exceed seven percent of the family's income. This was also stated in Second Substitute House Bill 1344, Chapter 368, Laws of 2019 (2019) under Section 6 (2SHB 1344. SL, p.11), "establishing a graduated system of copayments that eliminates the cliff effect for families and limits the amount a family pays for child care to a maximum of seven percent of the family's income by January 1, 2025."

2. Cost of Child Care | Families

a. Federal Poverty (2022):

Suggested Citation of Data Source:

The Assistant Secretary for Planning and Evaluation (2022). *HHS Poverty Guidelines for 2022 (2022 poverty guidelines for the 48 contiguous states and the district of Columbia, Jan. 12, 2022)*. [Table]. ASPE. Retrieved from <https://aspe.hhs.gov/topics/poverty-economic-mobility/poverty-guidelines>

Data Overview:

Each year, the office of the Assistant Secretary for Planning and Evaluation (ASPE) reports U.S. federal poverty guidelines used to determine financial eligibility for certain programs. ASPE is the principal advisor to the Secretary of the U.S. Department of Health and Human Services on policy development, and is responsible for major activities in policy coordination, legislation development, strategic planning, policy research, evaluation, and economic analysis.

b. State Median Income Level (2022):

Suggested Citation of Data Source:

Washington State Department of Social and Health Services (2022). *State Median Income Chart (2022)*. [Table]. WA DSHS. Retrieved from: <https://www.dshs.wa.gov/esa/eligibility-z-manual-ea-z/state-median-income-chart>

Data Overview:

Washington State Department of Social and Health Services (WA DSHS) publishes the state median income chart to determine financial eligibility for certain programs including the 85% income limit as an income limit for the Family Copayment for Subsidized Child Care administered by Washington State Department of Children, Youth, and Families.

c. Self-Sufficiency Wage (2020):

Suggested Citation of Data Source:

University of Washington. (2020). *The Center for Women's Welfare Self-Sufficiency Standard (The Self-Sufficiency Standard for Washington State by Diana Pierce, 2020)*. [Data Set]. UW School of Social Work. Retrieved from: <https://selfsufficiencystandard.org/Washington/>

Data Overview:

The Center for Women's Welfare Self-Sufficiency Standard defines the income working families need to meet a minimum yet adequate level, considering family composition, ages of children, and geographic differences in costs of living. The standard is an affordability and living wage economic security measure that provides an alternative to the official poverty measure. The data will be updated in 2024 as the center calculates the self-sufficiency standard in a four-year term.

d. Copay table (2022):

Suggested Citation of Data Source:

Washington State Department of Children, Youth, and Families. (2022). *Working Connections Child Care (Copay Calculation Table, April 1, 2022)*. [Table]. WA DCYF. Retrieved from: <https://dcyf.wa.gov/services/earlylearning-childcare/getting-help/wccc>

Data Overview:

On April 1, 2022, the Department of Children, Youth, and Families updated the copayment calculation for families. The Child Care Subsidy Program (CCSP) uses the State Median Income (SMI) to determine copay categories and income limits. The SMI is updated annually every April. The copay calculation chart updates child care eligibility income limits for new applications or reapplications beginning April 1.

e. Monthly Cost of Care (2021).

Suggested Citation of Data Source:

Child Care Aware of Washington (2022). *2021 State and County Data Reports (2021)*. [Table]. CCA of WA. Retrieved from <https://childcareawarewa.org/2021-state-and-county-data-reports/>

Data Overview:

Child Care Aware of Washington (CCA of WA) works to improve early learning opportunities for Washington's children in a variety of ways including connecting families to high-quality child care and early learning programs, and CCA of WA supports child care providers who deliver high-quality care. In pursuit of such goal(s), every April, CCA of WA collects information about monthly child care costs for families by facility type (i.e. center-based, family child care, and school-age programs). CCA of WA uses aggregated data on child care programs for the purpose of describing the child care system to the public and to advocate on behalf of families, children, and child care providers. This is not data about specific, individual programs, such as names or addresses. Visit <https://childcareawarewa.org/advocacy/#data> for more information.

Workforce | Wage Disparities

Suggested Citation of Data Source:

Washington State Employment Security Department. (2022). *Occupational employment and wage statistics (OEWS)*. WA EDS. Retrieved from: <https://esd.wa.gov/labormarketinfo/occupations>

Data Overview:

OEWS is a program of the U.S. Department of Labor, Bureau of Labor Statistics (BLS). This federal-state cooperative program produces employment and wage estimates annually for nearly 800 occupations. Each year, the OEWS unit compiles occupational employment and wage estimates for Washington state. These data are displayed statewide, by metropolitan statistical area (MSA) and nonmetropolitan area (NMA). All data are at the cross-industry level

DCYF Early Learning Dashboards

Suggested Citation of Data Source:

Washington State Department of Children, Youth, and Families. (2022). *Early Learning Dashboards*. WA DCYF. Retrieved from:

<https://www.dcyf.wa.gov/practice/oiaa/reports/early-learning-dashboards>

Data Overview:

In partnership with Washington STEM, DCYF hosts a suite of dashboards related to different topics in early learning. The main purpose of these dashboards is to measure progress toward the goals set forth in the Fair Start for Kids Act and to help inform planning efforts at state, regional, and local levels. Information regarding the DCYF Early Learning Dashboards can be found on <https://www.dcyf.wa.gov/practice/oiaa/reports/early-learning-dashboards>. For questions about the maps or underlying data, please contact oiaa@dcyf.wa.gov.