

## **2025 CHILD HEALTH REPORT CARD DATA SOURCES AND REFERENCES**

### **DEMOGRAPHICS**

#### **Data Sources:**

*Numbers of babies born (live births):* NC Department of Health & Human Services, State Center for Health Statistics. Selected Vital Statistics for 2023 - Risk factors and characteristics for 2023 North Carolina resident live births: Overall, all mothers. Available online at: <https://schs.dph.ncdhhs.gov/schs/births/matched/2023/2023-Births-Overall.html>

*Percent of total live births:* NC Department of Health & Human Services, State Center for Health Statistics. Selected Vital Statistics for 2023 - Risk factors and characteristics for 2023 North Carolina resident live births: Overall, all mothers. Available online at: <https://schs.dph.ncdhhs.gov/schs/births/matched/2023/2023-Births-Overall.html>

*Children Under Age 18 (%):* U.S. Census Bureau. American Community Survey, Single-Year Estimates 2022, Table S0201: Selected Population Profile in the United States and Tables B01001B-I: Sex by Age. Available online at: <https://data.census.gov/table/ACSSPP1Y2022.S0201?q=s0201&t=-00&g=040XX00US37>

### **HEALTHY BIRTHS**

#### **Data Sources:**

*Newborns who are breastfed exclusively for at least 6 months:* Centers for Disease Control and Prevention, National Immunization Survey, Rates of Any and Exclusive Breastfeeding Rates among Children Born in 2021. Percentage of infants who were exclusively breastfed through 6 months. Available online at: <https://www.cdc.gov/breastfeeding-data/about/rates-by-state.html>

*Women aged 18-44 with health insurance:* NC Department of Health & Human Services, State Center for Health Statistics. 2023 Behavioral Risk Factor Surveillance System, Core State Preconception Health and Health Care Indicators. Percentage of women who currently have some type of health care coverage. Available online at: [https://schs.dph.ncdhhs.gov/schs/data/preconception/brfss/2023/C1\\_2023.html](https://schs.dph.ncdhhs.gov/schs/data/preconception/brfss/2023/C1_2023.html)

*Women who receive early prenatal care:* NC Department of Health & Human Services, State Center for Health Statistics. North Carolina Infant Mortality Report, Table 10: Risk Factors and Characteristics for North Carolina Resident Live Births, 2019 and 2020. Available online at:

<https://schs.dph.ncdhhs.gov/data/vital/ims/2020/2020-IMR-TABLE10-REV.html>

*Infant mortality rate per 1,000 live births:* NC Department of Health & Human Services, State Center for Health Statistics. 2023 North Carolina Infant Mortality Report, Table 10: North Carolina Resident Infant Death Rates and Annual Percent Changes by Race/Ethnicity: 2023. Available online at:

<https://schs.dph.ncdhhs.gov/data/vital/ims/2023/2023-IMR-TABLE-10-FINAL.html>

*Babies who are born before 37 weeks of pregnancy:* NC Department of Health & Human Services, State Center for Health Statistics. North Carolina Infant Mortality Report, Table 10: Risk Factors and Characteristics for North Carolina Resident Live Births: 2023. Available online at:

<https://schs.dph.ncdhhs.gov/data/vital/ims/2023/2023-IMR-TABLE-10-FINAL.html>

*Rate of births to teen girls ages 15-19 per 1,000:* North Carolina Department of Health & Human Services, State Center for Health Statistics, NC Resident Fertility Rates: Females Ages 15-19 by Race/Ethnicity, 2022. Available online at:

<https://schs.dph.ncdhhs.gov/data/vital/pregnancies/2022/Table2B-2022-PregPubRates-1519Preg.pdf>

## **ACCESS TO CARE**

### **Data Sources:**

*Kindergarten students with untreated tooth decay:* Oral Health Section, Division of Public Health, North Carolina Department of Health and Human Services, 2020-21 and 2022-23.

Available online at: <https://www.dph.ncdhhs.gov/programs/oral-health/stats-and-data#GeneralData-862>

*Ratio of school nurses to students:* North Carolina Department of Public Instruction Healthy Schools Section and North Carolina Department of Health and Human Services, North Carolina Annual School Health Services Report, 2020-21 and 2022-23. Available online at: <https://www.ncdhhs.gov/sn-annual-report-2022-2023/download?attachment>

*Ratio of school counselors to students:* Student to Counselor Ratio, American School Counselor Association, 2021-22 and 2023-24. Available online at:

<https://www.schoolcounselor.org/getmedia/f2a319d5-db73-4ca1-a515-2ad2c73ec746/Ratios-2023-24-Alpha.pdf>

*Children with Medicaid who received a well-child checkup in the past year:* Annual Early and Periodic Screening, Diagnostic, and Treatment Participation Report, Fiscal Years 2021 and 2023, Form CMS-416. Available online at:

<https://www.medicaid.gov/medicaid/benefits/early-and-periodic-screening-diagnostic-and-treatment>

*Children ages 19-35 months with appropriate immunizations:* Data request to the Immunization Services Division, National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention, 2021 and 2023.

*Adolescents ages 13-17 who have received 1 or more HPV vaccinations:* National Immunization Survey-Teen (TeenVaxView) 2021 and 2023. Available online at: [https://www.cdc.gov/teenvaxview/interactive/?CDC\\_AAref\\_Val=https://www.cdc.gov/vaccines/imz-managers/coverage/teenvaxview/data-reports/index.html](https://www.cdc.gov/teenvaxview/interactive/?CDC_AAref_Val=https://www.cdc.gov/vaccines/imz-managers/coverage/teenvaxview/data-reports/index.html)

*Children with Health Insurance†§:* U.S. Census Bureau, American Community Survey, 1-Year Estimates, 2023 and 2021. Table S2701: Selected Characteristics of Health Insurance Coverage Status in the United State and Tables B27001B-I: Health Insurance Coverage Status by Age.

*Parents without health insurance\*†§:* Population Reference Bureau analysis of data from U.S. Census Bureau, 2021 and 2023 American Community Surveys, Public Use Microdata Sample.

**Data Key:**

‡ Asian includes Hawaiian/Pacific Islander

§ Other includes Multi-racial and Two or More Races

\* Race categories include Hispanic

† American Indian includes Native Alaskan

## **SECURE HOMES AND NEIGHBORHOODS**

### **Data Sources:**

*Children who live in high-poverty neighborhoods:* Population Reference Bureau analysis of data from the U.S. Census Bureau, 2017-21 and 2019-23, American Community Survey 5-year data; Data Provided by National KIDS COUNT. Available online at:

<https://datacenter.aecf.org/data/tables/7753-children-living-in-high-poverty-areas-by-race-and-ethnicity?loc=1&loct=1#detailed/2/35/false/2606,2543,2454,2026,1983,1692,1691,1607,1572,1485/13,187,11,9,12,1,185/14943,14942>

*Children who live in poor or low-income households\*‡§:* Population Reference Bureau analysis of data from the U.S. Census Bureau American Community Survey, Public Use Microdata Sample. Available online at: <https://datacenter.aecf.org/data/tables/6726-children-below-200-poverty-by-race-and-ethnicity?loc=1&loct=1#detailed/2/35/false/2545,1095,2048,1729,37,871,870,573,869,36/187,11,9,12,1,185,13/13819,13820>

*Children investigated for child abuse or neglect\*†:* Duncan, D.F., Stewart, C.J., Vaughn, J.S., Guest, S., Rose, R.A., Malley, K., and Gwaltney, A.Y. (2018). Management Assistance for Child Welfare, Work First, and Food & Nutrition Services in North Carolina (V3.21).

Retrieved [December 2023] from <http://ssw.unc.edu/ma>

*Children who exit to a permanent living situation within 24 months\*†:* Duncan, D.F., Stewart, C.J., Vaughn, J.S., Guest, S., Rose, R.A., Malley, K., and Gwaltney, A.Y. (2018). Management Assistance for Child Welfare, Work First, and Food & Nutrition Services in North Carolina (V3.21). Retrieved [December 2023] from <http://ssw.unc.edu/ma>.

*North Carolina Resident Child (age 0-17) death rates by type of death per 100,000:* North Carolina Child Fatality Task Force, with data produced by the N.C. Division of Public Health - Women's and Children's Health Section in conjunction with the State Center for Health Statistics. Available online at: <https://sites.ncleg.gov/nccftf/wp-content/uploads/sites/13/2024/05/2024-CFTF-Annual-Report-FINAL.pdf>

### **Data Key:**

‡ Asian includes Hawaiian/Pacific Islander

§ Other includes Multi-racial and Two or More Races

\* Race categories include Hispanic

† American Indian includes Native Alaskan

## **HEALTH RISK FACTORS**

### **Data Sources:**

*Children ages 10-17 who are overweight or obese:* National Survey of Children's Health 2022-2030 and 2020-2021. Indicator 1.4a: Weight status (BMI) in 3 categories, age 10-17. Available online at:

<https://www.childhealthdata.org/browse/survey/results?q=10972&r=1&g=1155>

*Children who live in food insecure households:* Feeding America, Map the Meal Gap, Childhood Food Insecurity by State, 2022 and 2020. Available online at:

<https://map.feedingamerica.org/county/2022/child/north-carolina>

*Tobacco, Alcohol, EVP and Substance Use:* NC Healthy Schools Data. NC Department of Health and Human Services. NC High School Youth Risk Behavior Survey, 2023 and 2021.

*High school students who attempted suicide in the past years:* NC Healthy Schools Data. NC Department of Health and Human Services. NC High School Youth Risk Behavior Survey, 2023 and 2021.

*Past-year major depressive episode among adolescents aged 12-17:* Substance Abuse and Mental Health Services Administration, Center for Behavioral Health Statistics and Quality, National Surveys on Drug Use and Health, 2022-2023; Race/ethnicity data from Table 11.2B NSDUH Detailed Tables (year = 2019, all states) Available online at:

<https://www.samhsa.gov/data/sites/default/files/reports/rpt56185/2023-nsduh-sae-tables-percents/2023-nsduh-sae-tables-percent.pdf>

*Adolescents aged 12-17 with major depressive episode and received treatment for depression:* Substance Abuse and Mental Health Services Administration, Center for Behavioral Health Statistics and Quality, National Surveys on Drug Use and Health, 2022-2023. Available online at:

<https://www.samhsa.gov/data/sites/default/files/reports/rpt56185/2023-nsduh-sae-tables-percents/2023-nsduh-sae-tables-percent.pdf>

*Third grade students reading at grade level:* North Carolina Department of Public Instruction. State testing results, 2023–24 End-of-Grade Statewide Participation and Performance, Grade 3 Reading Available online at: <https://www.dpi.nc.gov/2023-24-annual-testing-report/download?attachment>

*High school students who graduate on time:* North Carolina Department of Public Instruction. North Carolina Cohort Graduation Rate Reports, 2023-24 and 2020-21. Available online at: <https://www.dpi.nc.gov/districts-schools/accountability-and-testing/school-accountability-and-reporting/accountability-data-sets-and-reports#2023-24Reports-4468> and <https://accrpt.tops.ncsu.edu/app/2022/cgr/>

### **SPECIAL ISSUE: SCHOOL HEALTH**

#### **Data Sources & References:**

Hawkin, G.T., Lee, S.H., Michael, S.L., Merlo, C.L., Lee, S.M., King, B.A., Rasberry, C.N., and Underwood, J.M. “Individual and Collective Positive Behaviors and Academic Achievement Among U.S. High School Students, Youth Risk Behavior Survey, 2017.” *American Journal of Health Promotion*. December 2021.

Anderson, M., Faverio, M., and Gottfried, J. “Teens, Social Media, and Technology 2023.” *Pew Research Center*. December 11, 2023.; and Rothwell, Jonathan. “Teens Spend Average of 4.8 Hours on Social Media per Day.” *Gallup*, October 13, 2023.

Riehm, K., Feder, K., and Tormohlen, K. “Associations Between Time Spent Using Social Media and Internalizing and Externalizing Problems Among US Youth.” *JAMA Psychiatry*. September 11, 2019.

*School psychologist and social worker ratios to students:* Special data request to the North Carolina Department of Public Instruction, 2024-25 school year.

*Data on school district’s mental health practices and challenges:* Special data request to the North Carolina Department of Public Instruction, Healthy Active Children and School-Based Mental Health Policy surveys, 2023.

*High school and middle school students who were physically active for at least 60 minutes five days a week: Youth Risk Behavior Survey, U.S. Centers for Disease Control & Prevention, 2023.*

*High school students who report persistent feelings of sadness or hopelessness: Youth Risk Behavior Survey, U.S. Centers for Disease Control & Prevention, 2023.*

*High school students who used social media at least several times a day: Youth Risk Behavior Survey, U.S. Centers for Disease Control & Prevention, 2023.*

**Data note:**

We used the CDC's YRBS Analysis Tool to view YRBS crosstabs and understand associations between variables.