

FINAL SET – LIFE COURSE INDICATORS

Identifier	Thematic Category	Indicator Name	Brief Description	Formula Numerator	Formula Denominator	Data Source
LC-1	Childhood Experiences	Adverse Childhood Experiences Among Adults	Prevalence of adverse childhood experiences	Weighted number of adults ages 18 and older responding to the Behavioral Risk Factor Surveillance System (BRFSS) survey who report that they experienced 3 or more adverse childhood experiences (ACE)	Number of adults 18 and older	Behavioral Risk Factor Surveillance System (BRFSS)
LC-2	Childhood Experiences	Prevalence of Adverse Childhood Experiences Among Children	Prevalence of adverse childhood experiences among children	Weighted number of children whose parents responded to the NSCH that their children were exposed to adverse childhood experiences (9 questions related to ACEs)	Total number of children	National Survey of Children's Health (NSCH)
LC-3	Childhood Experiences	Substantiated Child Maltreatment	Substantiated child maltreatment including experience of physical abuse, neglect or deprivation of necessities, medical neglect, sexual abuse, psychological or emotional maltreatment	Number of children with reports of maltreatment types that include physical abuse, neglect or deprivation of necessities, medical neglect, sexual abuse, psychological or emotional maltreatment and the report is considered substantiated.	Number of children under 17 years of age in the state.	National Child Abuse and Neglect Data System (NCANDS)
LC-4	Community Health Policy	Breastfeeding Support - Baby Friendly Hospitals	Proportion of births occurring in baby friendly hospitals	Number of births at Baby-Friendly designated hospitals for a given year	Number of births in State for a given year	Annual CDC Breastfeeding Report Card
LC-5	Community Health Policy	Fluoridation	Proportion of population served by community water systems that received optimally fluoridated water.	Population on community water systems that received optimally fluoridated drinking water in a calendar year.	Population on community water systems in a calendar year	Water Fluoridation Reporting System

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LC-6	Community Wellbeing	Concentrated Disadvantage	Proportion of households with high level of concentrated disadvantage, calculated using 5 Census variables	Number of households at high level of concentrated disadvantage	Total number of households	American Community Survey (ACS)
LC-7A	Community Wellbeing	Homelessness	Prevalence of homelessness among individuals.	Number of individuals experiencing homelessness in a given county	Total county population	U.S. Department of Housing and Urban Development, Annual Assessment Report to Congress
LC-7B	Community Wellbeing	Homelessness	Prevalence of homelessness among families.	Number of families experiencing homelessness in a given county	Total number of families at county level	U.S. Department of Housing and Urban Development, Annual Assessment Report to Congress
LC-8	Community Wellbeing	Homicide Rate	Homicide rate	Total homicide-related deaths	Total population	National Vital Statistics System (NVSS) Records
LC-9	Community Wellbeing	Household Food Insecurity	Household Food Insecurity	Number of households experiencing food insecurity (household reports being unable to afford balanced meals, having to cut the size of meals because of too little money for food, or being hungry because of too little money for food.)	Number of households	United States Department of Agriculture (USDA) Economic Research Survey (ERS)
LC-10	Community Wellbeing	Poverty	Percent of population living under the Federal Poverty Level	Number of families below the Federal Poverty Line or FPL (determined by US Thresholds)	Total number of families	American Community Survey (ACS)

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LC-11	Community Wellbeing	Small for Gestational Age	Proportion of singleton live-born infants whose birth weight is at or below the 10th percentile for a given gestational age	Singleton live-born infants whose birth weight is at or below the 10th percentile for a given gestational age	Total number of singleton live births	National Vital Statistics System (NVSS) Records
LC-12	Discrimination and Segregation	Bullying	Percent of 9-12th graders who reported being bullied on school property or electronically bullied	Number of 9th through 12th grade students (12-17 years) who reported having been bullied on school property or electronically during the past 12 months.	9th through 12th grade student population (12-17 years)	Youth Risk Behavior Surveillance System (YRBSS)
LC-13	Discrimination and Segregation	Experiences of Race-Based Discrimination or Racism among Women	Percent of women who experienced discrimination right before or during pregnancy.	Number of women who answer Yes to the question "During the 12 months before your new baby was born, did you feel emotionally upset (for example, angry, sad or frustrated) as a result of how you were treated based on your race?"	Total number of women who recently had a live birth	Pregnancy Risk Assessment Monitoring System (PRAMS)
LC-14	Discrimination and Segregation	Perceived Experiences of Discrimination Among Children	Percent of children who experienced discrimination in the past year (parent report)	Number of children age 0-17 years who (somewhat or very) often experience racial discrimination in the past year, as reported by their parent	Total number of children 0-17	National Survey of Children's Health (NSCH)
LC-15	Discrimination and Segregation	Perceived Experiences of Racial Discrimination in Healthcare among Adults	Percent of adults reporting racial discrimination in healthcare	Adults 18 and over reporting perceived racial discrimination in health care	Total adults 18 and over	Behavioral Risk Factor Surveillance System (BRFSS)
LC-16	Discrimination and Segregation	Racial Residential Segregation, by Community	Differential distribution of individuals by race or other social or income factors (Dissimilarity Index).	Number of counties with dissimilarity index (DI) > .6 (very segregated) It is standard to view cities or other geographic areas with a DI under .3 as well integrated, those with a DI value between .3 and .6 as moderately segregated, and those with values above .6 as very segregated (10). See Notes for Calculation for formula	Total number of counties	American Community Survey (ACS)

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LC-17	Early Life Services	Early Intervention	Proportion of children aged 0-3 years who received EI services of all children aged 0-3 years	Children aged 0-3 years receiving EI services in a given state	All children aged 0-3 years	IDEA 618 Child Count
LC-18	Early Life Services	WIC Nutrition Services	Proportion of children aged 2-5 years receiving WIC services compared to proportion of children <185% FPL	Children aged 2-5 years participating in the WIC program	Total children aged 2-5 years whose income is below 185% FPL.	WIC program data
LC-19	Early Life Services	Early Childhood Health Screening - EPSDT	Percent of Medicaid-enrolled children who received at least one initial or periodic screen in past calendar year	Number of Medicaid enrollees ages 0-21 (enrolled for 90+ continuous days) receiving at least one initial or periodic screen	Total Medicaid-enrolled children ages 0-21 enrolled for 90+ continuous days	CMS - Annual Medicaid EPSDT Participation Report
LC-20	Economic Experiences	High School Graduation Rate	High school graduation rate (4 year cohort) as measured by the Adjusted Cohort Graduation Rate.	Number of students who graduate in four years with a regular high school diploma	Number of students who form the adjusted cohort for the graduating class	National Center for Education Statistics
LC-21	Economic Experiences	Mother's Education Level at Birth	Percent of births by maternal education levels	Number of women delivering a live birth with <HS, HS, & some college	All live births	National Vital Statistics System (NVSS) Records
LC-22	Economic Experiences	Unemployment	Prevalence of unemployment	Number of persons age 16 and older in the labor force who are unemployed (and actively seeking work)	Number of persons age 16 and older	American Community Survey (ACS)
LC-23	Family Wellbeing	Adolescent Smoking	Percent of adolescents who smoked cigarettes in the past 30 days	Total 9th-12th graders who smoked cigarettes ≥ 1 day during the past 30 days	Total population of 9th – 12th graders	Youth Risk Behavior Surveillance System (YRBSS)

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LC-24	Family Wellbeing	Adolescent Use of Alcohol	Percent of adolescents using alcohol during the past 30 days	Number of adolescents aged 12 to 17 years who reported use of alcohol during the past 30 days	Total NSDUH survey respondents Ages 12-17	National Survey on Drug Use and Health (NSDUH), SAMHSA
LC-25	Family Wellbeing	Children with Special Health Care Needs	Percent of children (0-17 years) with a special health care need	Children, ages 0-17 years with a special health care need	Children, ages 0-17 years	National Survey of Children's Health (NSCH)
LC-26	Family Wellbeing	Diabetes	Percent of adults with diagnosed diabetes	Total diabetes cases among adults ≥ 18 years	Total adult population	Behavioral Risk Factor Surveillance System (BRFSS)
LC-27	Family Wellbeing	Exclusive Breastfeeding at 3 Months	Percent of children exclusively breastfed through 3 months	Estimate of the number of children exclusively breastfed through 3 months of age.	Number of individuals surveyed	National Immunization Survey (NIS)
LC-28	Family Wellbeing	Exposure to Second Hand Smoke in the Home	Percent of children living in a household where smoking occurs inside home	Number of children who live in a household with someone who smokes and smoking occurs inside home	Children age 0-17 years	National Survey of Children's Health (NSCH)
LC-29	Family Wellbeing	Hypertension	Percent of adults with diagnosed hypertension	Total number of adults aged 18 and over who indicated a health professional told them they had high blood pressure	Total adult population 18 and over	Behavioral Risk Factor Surveillance System (BRFSS)
LC-30	Family Wellbeing	Illicit Drug Use	Prevalence of illicit drug use in the past month among population 12 years and older.	Reported illicit drug use in the past month for those 12 and older	Total population aged 12 and older	National Survey on Drug Use and Health (NSDUH), SAMHSA
LC-31	Family Wellbeing	Intimate Partner Violence, Injury, Physical or Sexual Abuse	Number of intimate partner victimizations per 1,000 persons age 12 and older	Number of persons aged 12 years or older who reported intimate partner violence	Number of persons aged 12 and older per 1,000	Behavioral Risk Factor Surveillance System (BRFSS)
LC-32A	Family Wellbeing	Obesity	Percent of children who are currently overweight or obese	Number of children 10-17 who are currently overweight or obese, based on BMI for age (BMI-for-age):overweight OR obese (85th percentile or above)	Total children with height and weight data	National Survey of Children's Health (NSCH)

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LC-32B	Family Wellbeing	Obesity	Percent of adults who are currently overweight or obese	Number of adults currently overweight or obese based on BMI overweight OR obese (with a BMI of 25 or above)	Total adults with height and weight data in the above respective population or group	Behavioral Risk Factor Surveillance System (BRFSS)
LC-33	Family Wellbeing	Physical Activity Among High School Students	Proportion of high school students who are physically active for at least 60 minutes per day on five or more of the past seven days.	Number of high school students who report being active for at least 60 minutes per day on five or more of the past seven days.	All high school students.	Youth Risk Behavior Surveillance System (YRBSS)
LC-34	Health Care Access and Quality	Cervical Cancer Screening	The proportion of women who receive the appropriate evidence-based clinical preventive services (Pap Smear) for cervical cancer screening	Women ages 21-65 who received a pap smear within the last three years	Total women ages 21-65	Behavioral Risk Factor Surveillance System (BRFSS)
LC-35	Health Care Access and Quality	Children Receiving Age Appropriate Immunizations	Percent of children ages 19-35 receiving age-appropriate immunizations according to the Advisory Committee for Immunization Practices (ACIP) guidelines and HP 2020 Goal.	Number of children surveyed who received ≥ 4 doses of DTaP/DT/DTP (Diphtheria/Tetanus/Acellular pertussis), ≥ 3 doses of poliovirus vaccine, ≥ 1 doses of measles-containing vaccine, full series of Hib (Haemophilus influenza - 3 or 4 doses, depending on product type), ≥ 3 doses of HepB (Hepatitis B), ≥ 1 dose of varicella vaccine, and ≥ 4 PCV (Pneumococcal) doses. 4:3:1:3:3:1:4 series	Number of children age 19-35 months	National Immunization Survey (NIS)
LC-36A	Health Care Access and Quality	Human Papillomavirus (HPV) Immunization	The proportion of adolescents ages 13-17 who receive the evidence-based clinical preventive service HPV vaccine	Adolescents aged 13-17 who received a complete series of HPV vaccine	Total population of adolescents aged 13-17	National Immunization Survey-Teen (NIS-Teen)
LC-36B	Health Care Access and Quality	Human Papillomavirus (HPV) Immunization	The proportion of young adults ages 18-26 who receive the evidence-based clinical preventive service HPV vaccine	18-26 year olds (male and females) who received complete series HPV vaccine	Total 18-26 year old adults	National Health Interview Survey (NHIS)

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LC-37	Health Care Access and Quality	Medical Home for Children	Proportion of families who report their child received services in a medical home	Children ages 0-17 whose health care meets Medical Home criteria	Children ages 0-17 years	National Survey of Children's Health (NSCH)
LC-38	Health Care Access and Quality	Asthma Emergency Department Utilization	Proportion of persons on Medicaid with asthma having an asthma emergency department (ED) visit	Number of Medicaid beneficiaries with asthma having 1 or more ED visit for asthma during the measurement year.	Number of Medicaid beneficiaries with asthma during the measurement year.	Medicaid Analytical eXtract (MAX) files
LC-39	Health Care Access and Quality	Inability or Delay in Obtaining Necessary Medical Care or Dental Care	Percent of parents reporting their child was not able to obtain necessary medical care or dental care.	Number of survey respondents that report their child (ages 0-17) was not able to obtain or had a delay in obtaining necessary medical care or dental care.	Total child population ages 0-17	National Survey of Children's Health (NSCH)
LC-40	Health Care Access and Quality	Medical Insurance for Adults	The proportion of adults with medical insurance.	Number of adults 19 years and older with medical insurance	All adults 19 years and older	Kaiser State Health Facts
LC-41	Health Care Access and Quality	Oral Health Preventive Visit for Children	Percent of children who received a preventive dental visit in the past 12 months	Number of children ages 1-17 who received at least one preventative dental visit in the past 12 months /	Total child population ages 1-17	National Survey of Children's Health (NSCH)
LC-42	Mental Health	Depression Among Youth	Percent 9th -12th graders who felt sad or hopeless almost every day for more than 2 weeks during the previous 12 months	Number of 9th -12th graders who felt sad or hopeless almost every day for more than two weeks during the previous 12 months	Number of 9th -12th graders	Youth Risk Behavior Surveillance System (YRBSS)
LC-43	Mental Health	Mental Health Among Adults	Percent of adults with poor mental health	Weighted number of adults ages 18 and over responding to the BRFSS survey reporting that their mental health, which includes stress, depression, and problems with emotions, was "not good for ≥14 days out of the past 30 days	Weighted number of adults ages 18 and over responding to the BRFSS survey	Behavioral Risk Factor Surveillance System (BRFSS)
LC-44	Mental Health	Postpartum Depression	Percent of women who have recently given birth who reported experiencing postpartum depression following a live birth	Number of women who experienced self-reported postpartum depression following a live birth	Total live births to recent mothers	Pregnancy Risk Assessment Monitoring System (PRAMS)

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LC-45	Mental Health	Suicide	Suicides per 100,000 population	Number of Suicides	Total population	National Vital Statistics System (NVSS) Records
LC-46	Organizational Measurement Capacity	Capacity to Assess Lead Exposure	Capacity of states to assess lead exposure	State level: Yes or No to the question, does your state have an explicit requirement that blood lead test results be reported to the state health department; National level: Number of States / districts / territories with an explicit requirement that blood lead test results be reported to the state health department	State level: no denominator; National level: Number of states, districts and territories	Council of State and Territorial Epidemiologists (CSTE) State Reportable Conditions Assessment (SRCA)
LC-47	Organizational Measurement Capacity	Data Capacity to Support Integrated Childhood Research	Ability of state MCH programs to support integrated, population-based childhood research (i.e., research using linked program data). For state level, proportion of priority datasets to which the MCH program always has timely access (including for linkage) for program or policy planning purposes. For national level, proportion of states that have timely access to at least 5 priority datasets.	State level: Number of priority datasets (e.g. programs) the Title V agency always has timely access to for policy and program planning purposes (including for linkage). (Score of 3= Yes, the MCH agency always has this ability). Priority programs are death certificates, Medicaid, WIC, newborn screening, hospital discharge, birth defects surveillance, PRAMS and YRBSS. National level: Number of states that always have timely access (score of 3) to at least 5 priority datasets.	State level: total number of priority datasets (N=8). National level: The number of states and the District of Columbia (jurisdictions)	Title V Information System (TVIS) - Health Systems Capacity Indicator #9A and #9B
LC-48	Organizational Measurement Capacity	States with P-20 Longitudinal Data Sets	States with P-20W longitudinal data systems. A P-20W is a data system where policies and standards are aligned to link student data for specified purposes across the education continuum, from early childhood through K12, postsecondary and the workforce.	Number of states, territories, and jurisdictions that completed 8 or more essential actions of fully functional P-20/workforce longitudinal data system (P for preschool).	Total number of states, territories, and jurisdictions	The Data Quality Campaign (DQC)

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LC-49	Reproductive Life Experiences	Diabetes During Pregnancy	Percent of adult women with diagnosed diabetes during pregnancy, only	Total women with diabetes only during pregnancy	Total population of mothers	Pregnancy Risk Assessment Monitoring System (PRAMS)
LC-50	Reproductive Life experiences	Early Sexual Intercourse	Initiation of sexual intercourse before age 13 years.	Number of 9th - 12th grade students who report initiating sexual intercourse before age 13 years	Number of 9th - 12th grade students	Youth Risk Behavior Surveillance System (YRBSS)
LC-51	Reproductive Life Experiences	HIV Prevalence	HIV rate per 100,000 total population	Total HIV cases in the population	Total population	CDC National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP) Atlas
LC-52	Reproductive Life Experiences	Postpartum Contraception	Proportion of women using birth control postpartum	Respondents (women having a live birth) who reported that they or their husbands or partners were currently doing something to keep from getting pregnant	All respondents (women having a live birth)	Pregnancy Risk Assessment Monitoring System (PRAMS)
LC-53	Reproductive Life Experiences	Repeat Teen Birth	Percent of teen births that are repeat teen births	Number of repeat live births to females 15-19 years (or other teenage group)	Number of live births to females 15-19 years (or other teenage group)	National Vital Statistics System (NVSS) Records
LC-54	Reproductive Life Experiences	Teen Births	Number of live births born to women aged 10-19 years per 1,000 women aged 10-19 years	Number of live births born to women aged 10-19 years	Number of women aged 10-19 years	National Vital Statistics System (NVSS) Records
LC-55	Reproductive Life Experiences	Preterm Birth	Percent of live births born < 37 weeks gestation	Number of live births born prior to 37 weeks gestation	Total number of live births	National Vital Statistics System (NVSS) Records
LC-56	Reproductive Life Experiences	Stressors During Pregnancy	Proportion of women reporting two or more stressors during pregnancy.	Respondents (women having a live birth) who reported two or more stressors during most recent pregnancy	All respondents (women having a live birth)	Pregnancy Risk Assessment Monitoring System (PRAMS)

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LC-57	Social Capital	4th Grade Proficiency	Percent of 4th graders scoring proficient or above on math and reading	Number of 4th graders scoring proficient or above on math and reading	Total enrolled 4th graders in public schools	National Assessment of Educational Progress (NAEP)
LC-58A	Social Capital	Incarceration Rate	Prevalence of juveniles ages 13-17 male or female, detained in residential placement	Number of juveniles ages 13-17 male or female, detained in residential placement	Total population of 13-17 year olds	National Center for Juvenile Justice, Office of Juvenile Justice and Delinquency
LC-58B	Social Capital	Incarceration Rate	Prevalence of adults incarcerated	Number of adults age 18 or over imprisoned per 100,000 residents	Total population of adults age 18 or over	Bureau of Justice Statistics, National Prisoner Statistics Program
LC-59	Social Capital	Voter Registration	Voter registration	Number of adults registered to vote	Total eligible population	Current Population Survey (CPS)