

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
INFANT INDICATORS AGES - UP TO 12 MONTHS				
Fetal Death*	HP 2000 Objective 14.2: The number and rate of fetal deaths of 20 weeks or more gestation per 1,000 live births plus fetal deaths	Number of fetal deaths of 20 weeks or more gestation in a calendar year	Total number of live births plus fetal deaths in a calendar year	Birth/Death Cohort File
Newborn Screening	<p>The percent of infants screened by state- sponsored programs for genetic and metabolic disorders; Adapted from HP 2000 Objective 14.15</p> <p>NOTE: States differ as to the number of conditions and number of screens required. Therefore, state to state comparisons may not be valid.</p> <p>The percent of screened infants testing positive for disease who receive appropriate treatment and follow-up care; Adapted from HP 2000 Objective 14.15</p>	<p>Number of infants in the denominator who were screened for genetic and metabolic disorders in a calendar year</p> <p>Number of infants in the denominator who received appropriate treatment and follow-up care</p>	<p>Total number of live births in a calendar year</p> <p>Total number of infants testing positive for disease in a calendar year</p>	<p>Birth Certificate Data State Newborn Screening Data</p> <p>Birth Certificate Data State Newborn Screening Data</p>
Congenital/Birth-Related Infection	<p>The number and rate per 100,000 of congenital syphilis infections</p> <p>NOTE: Number per 100,000 live births of congenital syphilis cases; Adapted from HP 2000 Objective 19.4</p> <p>The number and rate per 100,000 of congenital rubella infections</p> <p>The number and rate per 100,000 of birth-related infections by cause (include HIV, herpes, chlamydia)</p>	<p>Number of cases of congenital syphilis in a calendar year</p> <p>Number of cases of congenital rubella in a calendar year</p> <p>Number of cases of birth-related HIV, herpes and chlamydia in a calendar year</p>	<p>Total number of live births in a calendar year</p> <p>Total number of live births in a calendar year</p> <p>Total number of live births in a calendar year</p>	<p>Birth Certificate Data Hospital Discharge Data Notifiable Infectious Disease Data</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
INFANT INDICATORS AGES - UP TO 12 MONTHS				
<p>Immunization</p> <p>a. Vaccine Status</p>	<p>The percent of infants at 12 months who received age-appropriate immunizations, by immunization type, as recommended by the current AAP/ACIP schedule</p> <p>NOTE: Refer to Appendix D, AAP/ACIP schedule</p> <p>The percent of infants in foster care at 12 months who received age-appropriate immunizations, by immunization type, as recommended by the current AAP/ACIP schedule</p> <p>NOTES: HP 2000 Reference Objective 20.11: Percent of children under age 2 years receiving the basic immunization series</p> <p>No new data collection required; collection performed in conjunction with 2-year-old review</p> <p>To compare to HP 2000 goals, use only DTP (including DTaP), OPV, MMR</p> <p>Refer to Appendix D, AAP/ACIP schedule</p>	<p>Number of infants in the denominator who have received AAP/ACIP recommended immunizations, by immunization type</p> <p>Number of infants in the denominator who received AAP/ACIP recommended immunizations, by immunization type</p>	<p>Total number of infants in a defined population whose first birthday occurred within a calendar year</p> <p>Total number of infants in foster care whose first birthday occurred within a calendar year</p>	<p>CDC Immunization Special Survey Chart Review Clinical Encounter Data EPSDT Immunization Registry</p> <p>Department of Social Services Data Medicaid Claims Data</p>
<p>b. Vaccine-Preventable Conditions</p>	<p>The number and rate per 100,000 infants (up to 12 months of age) of reported cases of vaccine-preventable conditions: diphtheria, tetanus, pertussis, polio, Hemophilus influenza type b, measles, mumps, rubella, congenital rubella syndrome and hepatitis B; Adapted from HP 2000 Objective 20.1</p>	<p>Number of reported cases of vaccine-preventable conditions, by condition, among infants in the denominator</p>	<p>Total number of infants whose first birthday occurred within a calendar year</p>	<p>Birth Certificate Data Notifiable Infectious Disease Data</p>

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INFANT INDICATORS AGES - UP TO 12 MONTHS				
b. Vaccine - Preventable Conditions (Continued)	The number and rate per 100,000 infants (up to 12 months of age) of hospital discharges for vaccine-preventable conditions (for conditions listed above)	Number of hospital discharges for vaccine preventable conditions, by condition, among infants in the denominator	Total number of infants whose first birthday occurred within a calendar year	Birth Certificate Data Hospital Discharge Data
Infant Growth	The percent of infants at 12 months who are either <5 percent or >95 percent of standard height, weight and head circumference according to standards of the National Center for Health Statistics (NCHS) - CDC growth references for one or more of the following four growth indices: height, weight, weight-for-height and head circumference by age NOTE: HP 2000 Reference Objective 2.4: Percent of low-income children aged 5 & younger with growth retardation	Number of infants in the denominator who are below 5 percent or above 95 percent of age-appropriate standards for height, weight-for-height and head circumference by age	Total number of infants in a defined population whose first birthday occurred within a calendar year	Birth Certificate Data Chart Review EPSDT PedNSS WIC
Access to Primary Care	The percent of infants whose caretakers report having an identified primary care provider for their infant The percent of infants whose caretakers report having had a well-child visit to a health care provider within the past 6 months NOTE: Excludes ER visits	Number of infants in the denominator whose caretakers report having a primary care provider Number of infants in the denominator with a well-child visit in the past 6 months	Total number of infants of up to 12 months of age in a defined population Total number of infants of up to 12 months of age in a defined population	Caretaker Survey PRAMS Caretaker Survey

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
INFANT INDICATORS AGES - UP TO 12 MONTHS				
Adequacy of Primary Care	<p>The percent of providers who report using a well- child protocol consistent with recommended guidelines</p> <p>The percent of infants who have had the recommended number of well-child visits for their age (per AAP Guidelines)</p> <p>NOTE: HP 2000 Reference Objective 14.16: Percent of babies 18 months and younger who receive recommended primary care services at appropriate intervals 1994 AAP guidelines, Bright Futures or EPSDT standards preferred</p>	<p>Number of providers in the denominator reporting use of recommended guidelines</p> <p>Number of infants in the denominator who received the recommended number of visits</p>	<p>Total number of providers surveyed</p> <p>Total number of infants by age in a defined population in a calendar year</p>	<p>Provider Survey</p> <p>Birth Certificate Data Chart Review Clinical Encounter Data EPSDT</p>
Adequacy of WIC Utilization	The percent of eligible infants receiving WIC services	Number of infants in the denominator receiving WIC services	Total number of infants eligible for WIC services in a defined population in a calendar year	Chart Review WIC

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INFANT INDICATORS AGES - UP TO 12 MONTHS				
<p>Infant Substance/Alcohol/Tobacco Exposure</p>	<p>The number and percent of infants with identified in utero tobacco exposure (verified by maternal history)</p> <p>The number and percent of infants with identified in utero drug or alcohol exposure (verified by maternal history, toxicology screen or clinical diagnosis)</p> <p>NOTES: 1. HP 2000 Reference Objective 14.4: Number of infants with fetal alcohol syndrome per 1,000 live births 2. HP 2000 Reference Objective 14.10: Percent of pregnant women abstaining from tobacco, alcohol, cocaine and marijuana</p> <p>The percent of infants with current household exposure to tobacco</p> <p>NOTES: HP 2000 Reference Objective 3.8: Percent of children aged 6 and younger who are regularly exposed to tobacco smoke at home Current is defined as daily exposure within the last 6 months Household refers to others in household using substances</p>	<p>Number of infants in the denominator with identified in utero tobacco exposure</p> <p>Number of infants in the denominator with identified in utero drug or alcohol exposure</p> <p>Number of infants in the denominator with current household exposure to tobacco</p>	<p>Total number of live births in a defined population in a calendar year</p> <p>Total number of live births in a defined population in a calendar year</p> <p>Total number of infants of up to 12 months of age in a defined population in a calendar year</p>	<p>Birth Certificate Data BRFSS Chart Review Dept. of Social Services Data PRAMS WIC</p> <p>Birth Certificate Data Hospital Discharge Data PRAMS WIC</p> <p>BRFSS Chart Review EPSDT PRAMS WIC</p>

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INFANT INDICATORS AGES - UP TO 12 MONTHS				
Infant Substance/Alcohol/Tobacco Exposure (Continued)	The percent of infants with current household exposure to alcohol or substance use or abuse problem	Number of infants in the denominator with current household exposure to alcohol or substance abuse	Total number of infants of up to 12 months of age in a defined population in a calendar year	BRFSS Chart Review Dept. of Social Services Data PRAMS Substance Abuse Data WIC
Injuries a. Intentional Injuries*	The number, percent and rate per 100,000 infants (up to 12 months of age) of intentional fatalities due to homicide, by cause, including: Homicide involving child abuse Homicide involving sexual assault Unarmed homicide Homicide involving firearms Homicide involving other weapons NOTE: HP 2000 Reference Objectives: Rate per 100,000 homicides (7.1a), weapon-related violent deaths (7.3) Report overall rate and rate by cause	Total number of fatalities due to homicide, by cause of homicide (as specified) among infants in the denominator in a calendar year	Total number of infants whose first birthday occurred within a calendar year	Birth Certificate Data Child Death Review Data Death Certificate Data (E-Codes) Medical Examiner Reports

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
INFANT INDICATORS AGES - UP TO 12 MONTHS				
<p>Injuries</p> <p>a. Intentional Injuries* (Continued)</p>	<p>The number, percent and rate per 100,000 infants (up to 12 months of age) of intentional nonfatal injuries due to:</p> <p>Physical abuse Sexual assault</p> <p>NOTE:</p> <p>HP 2000 Reference Objective 7.4: Rate per 1,000 of maltreatment of children less than 18 years Report overall rate and rate by cause</p> <p>The rate of hospital discharges per 100,000 infants (up to 12 months of age) for intentional nonfatal injuries, by cause, including:</p> <p>Child abuse Sexual assault Unarmed assault Firearms Other weapons</p> <p>Note: Report overall rate and rate by cause</p>	<p>Number of intentional nonfatal injuries among infants in the denominator in a calendar year</p> <p>Total number of hospital discharges for intentional nonfatal injuries, by cause of injury (as specified) among infants in the denominator in a calendar year</p>	<p>Total number of infants whose first birthday occurred within a calendar year</p> <p>Total number of infants whose first birthday occurred within a calendar year</p>	<p>Birth Certificate Data Department of Social Services Data Emergency Room Data Law Enforcement Data</p> <p>Birth Certificate Data Hospital Discharge Data (E-Codes)</p>

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INFANT INDICATORS AGES - UP TO 12 MONTHS				
<p>Injuries</p> <p>b. Unintentional Injuries*</p>	<p>The number, percent and rate per 100,000 infants (up to 12 months of age) of fatalities due to unintentional injuries, by cause, including:</p> <ul style="list-style-type: none"> Motor vehicle crashes Drownings Burns (scalds and/or flames) Poisoning Falls Choking Suffocation Unintentional firearm-related injury <p>NOTES:</p> <ol style="list-style-type: none"> 1. HP 2000 Reference Objectives: Rate per 100,000 of deaths due to unintentional injuries (9.1), rate of deaths due to motor vehicle crashes (9.3a), falls (9.4), drowning (9.5a), and fire (9.6a) 2. States are encouraged to document the percent of total fatalities associated with neglect 3. Report overall rate and rate by cause 	<p>Total number of fatalities due to unintentional injury, by cause of injury (as specified) among infants in the denominator in a calendar year</p>	<p>Total number of infants whose first birthday occurred within a calendar year</p>	<p>Birth Certificate Data Child Death Review Data Death Certificate Data (E-Codes) FARS Medical Examiner Reports</p>

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INFANT INDICATORS AGES - UP TO 12 MONTHS				
<p>Injuries</p> <p>b. Unintentional Injuries* (Continued)</p>	<p>The rate of hospital discharges per 100,000 infants (up to 12 months of age) for unintentional nonfatal injuries, by cause, including:</p> <ul style="list-style-type: none"> Motor vehicle crashes Drownings Burns (scalds and/or flames) Poisoning Falls Choking Suffocation Unintentional firearm-related accident <p>NOTE: Report overall rate and rate by cause</p>	<p>Total number of hospital discharges for unintentional nonfatal injuries, by cause of injury (as specified) among infants in the denominator in a calendar year</p>	<p>Total number of infants whose first birthday occurred within a calendar year</p>	<p>Birth Certificate Data Hospital Discharge Data (E-Codes)</p>

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INFANT INDICATORS AGES - UP TO 12 MONTHS				
<p>Injuries</p> <p>c. Prevention</p>	<p>The percent of caretakers of infants reporting use of infant car seats</p> <p>NOTES: HP 2000 Reference Objective 9.12a: Percent of motor vehicle occupants using occupant protection systems</p> <p>States should develop standards for appropriate car seat use</p> <p>States should note laws and programs for injury prevention when comparing results from other states</p> <p>The percent of infants using infant car seats involved in injury crashes</p> <p>The percent of households with syrup of Ipecac (to prevent poisoning)</p>	<p>Number of caretakers of infants in the denominator who report use of infant car seats</p> <p>Number of infants in the denominator using car seats</p> <p>Number of households in the denominator with syrup of Ipecac</p>	<p>Total number of caretakers of infants up to 12 months of age in a defined population</p> <p>Total number of infants of up to 12 months of age involved in injury crashes in a defined population in a calendar year</p> <p>Total number of households with infants of up to 12 months of age in a defined population</p>	<p>Household Survey PRAMS</p> <p>FARS Highway Traffic Safety Data</p> <p>Household Survey</p>

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INFANT INDICATORS AGES - UP TO 12 MONTHS				
<p>Injuries</p> <p>c. Prevention (Continued)</p>	<p>The percent of caretakers of infants who report having received information on firearm safety/ storage by source (health care provider, community program, media)</p> <p>NOTES: HP 2000 Reference Objective 9.21: Percent of primary care providers who routinely provide age-appropriate counseling on safety precautions to prevent unintentional injury States should note laws and programs for injury prevention when comparing results from other states</p> <p>The percent of health care providers who routinely provide age-appropriate counseling on safety precautions to prevent unintentional injury according to the American Academy of Pediatrics-TIPP program or a local equivalent. Topics include:</p> <p>Infant and toddler care seat use Smoke detector use Crib safety Falls prevention Burns/hot liquids and hot surfaces Choking/suffocation Poisonings Water/pool safety</p>	<p>Number of caretakers in the denominator who report having received firearm safety education</p> <p>Number of health care providers in the denominator reporting use of protocols for delivering age-appropriate injury prevention counseling</p>	<p>Total number of caretakers of infants of up to 12 months of age in a defined population</p> <p>Total number of health care providers in a defined population</p>	<p>Household Survey</p> <p>Provider Survey</p>
<p>Hospital Discharges for Ambulatory Care Sensitive Diagnoses</p>	<p>Hospital discharge rate per 1,000 infants (up to 12 months of age) for ambulatory care sensitive (ACS) diagnoses</p> <p>NOTE: HP 2000 Reference Objective 11.1b: Rate per 100,000 hospitalizations for asthma in children 14 years and younger ACS - ICD 9 Codes - See Appendix C</p>	<p>Number of hospital discharges for ACS diagnoses among infants in the denominator in a calendar year</p>	<p>Total number of infants whose first birthday occurred within a calendar year</p>	<p>Birth Certificate Data Hospital Discharge Data</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
CHILD INDICATORS AGES - 12 MONTHS THROUGH 9 YEARS				
<p>Immunization</p> <p>a. Vaccine Status</p>	<p>The percent of children who received age-appropriate immunizations, by immunization type, as recommended by the current AAP/ACIP schedule:</p> <p>at age 2 years at kindergarten entry</p> <p>NOTE: Refer to Appendix D, AAP/ACIP schedule</p> <p>The percent of children in foster care who received age-appropriate immunizations, by immunization type, as recommended by the current AAP/ACIP schedule</p> <p>NOTES: HP 2000 Reference Objective 20.11: Percent of children under 2 years of age receiving the basic immunization series To compare to HP 2000 goals, only use DTP (including DPaT), OPV, MMR Refer to Appendix D, AAP/ACIP schedule</p>	<p>Number of 2 year olds in the denominator who have received age-appropriate immunizations, by immunization type</p> <p>Number of children in the denominator who have received age appropriate immunizations, by immunization type</p> <p>Number of children in the denominator who received age-appropriate immunizations, by immunization type</p>	<p>Total number of 2 year olds in a defined population in a calendar year</p> <p>Total number of children entering kindergarten in a defined population in a calendar year</p> <p>Total number of children in foster care 12 months through 9 years of age, by age, in a defined population in a calendar year</p>	<p>CDC immunization Special Survey Census Chart Review Clinical Encounter Data Department of Education Data EPSDT Immunization Registry</p> <p>Department of Social Services Data Medicaid Claims Data</p>
<p>b. Vaccine - Preventable Conditions</p>	<p>The number and rate per 100,000 children (ages 12 months through 9 years) of reported cases of vaccine-preventable conditions: diphtheria, tetanus, pertussis, polio, Hemophilus influenza type b, measles, mumps, rubella, congenital rubella syndrome and hepatitis B; Adapted from HP 2000 Objective 20.1</p>	<p>Number of reported cases of vaccine preventable conditions, by condition, among children in the denominator in a</p>	<p>Total number of children 12 months through 9 years of age in a calendar year</p>	<p>Census Notifiable Infectious Disease Data</p>

calendar year

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CHILD INDICATORS AGES - 12 MONTHS THROUGH 9 YEARS				
b. Vaccine - Preventable Conditions (Continued)	The number and rate per 100,000 children (ages 12 months through 9 years) of hospital discharges for vaccine preventable conditions (for conditions listed above)	Number of hospital discharges for vaccine-preventable conditions, by condition, among children in the denominator in a calendar year	Total number of children 12 months through 9 years of age	Census Hospital Discharge Data
Child Growth	<p>The percent of children under 5 years of age who are either <5 percent or >95 percent of standard height, weight and head circumference according to standards of the National Center for Health Statistics (NCHS) - CDC growth reference for one or more of the following four growth indices: height, weight, weight-for-height and head circumference</p> <p>NOTE: HP 2000 Reference Objective 2.4: The number and percent of low-income children aged 5 and younger with growth retardation Report head circumference only up to 2 years of age</p>	Number of children in the denominator who are < 5 percent or > 95 percent of age-appropriate standards for height, weight-for-height and head circumference, by age, in a calendar year	Total number of children under five years of age, by age, in a defined population in a calendar year	Census Chart Review EPSDT PedNSS WIC
Access to Primary Care	<p>The percent of children whose caretakers report having an identified primary care provider for their children</p> <p>The percent of children 12 months to 2 years of age whose caretakers report having had a well-child visit to a health care provider within the past 6 months</p>	<p>Number of children in the denominator whose caretakers report having a primary care provider</p> <p>Number of children in the denominator with a well-child visit in</p>	<p>Total number of children 12 months through 9 years of age in a defined population</p> <p>Total number of children 12 months to 2 years of age in a defined population</p>	<p>Caretaker Survey</p> <p>Caretaker Survey</p>

NOTE: Excludes ER visits

the past 6 months

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
CHILD INDICATORS AGES - 12 MONTHS THROUGH 9 YEARS				
Access to Primary Care (Continued)	The percent of children 2 through 9 years of age whose caretakers report having had a well-child visit to a health care provider within the past 12 months NOTE: Excludes ER visits	Number of children in the denominator with a well child visit in the past 12 months	Total number of children 2 through 9 years of age in a defined population	Caretaker Survey
Adequacy of Primary Care	The percent of providers who report using a well- child protocol consistent with recommended guidelines The percent of children who have had the recommended number of well-child visits for their age NOTE: HP 2000 Reference Objective 14.16: Percent of babies 18 months and younger who receive recommended primary care services at appropriate intervals 1994 AAP guidelines, Bright Futures or EPSDT standards preferred	Number of providers in the denominator reporting use of recommended guidelines Number of children in the denominator who received the recommended number of visits	Total number of providers surveyed Total number of children 12 months through 9 years of age (by age) in a defined population in a calendar year	Provider survey Chart Review Clinical Encounter Data EPSDT

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
CHILD INDICATORS AGES - 12 MONTHS THROUGH 9 YEARS				
<p>Child Substance, Alcohol and Tobacco Exposure/Prevention</p> <p>a. Exposure</p> <p>b. Prevention</p>	<p>The percent of children 12 months through 9 years of age with current household exposure to alcohol or substance abuse</p> <p>NOTE: Current is defined as daily exposure within the last 6 months Household refers to others in household using substances</p> <p>The percent of children 12 months through 9 years of age with current household exposure to tobacco</p> <p>NOTE: HP 2000 Objective 3.8: The percent of children aged 6 or younger who are regularly exposed to tobacco smoke at home</p> <p>HP 2000 Objective 4.19: The percent of primary care providers who screen for alcohol and other drug use problems and provide other counseling as needed</p> <p>HP 2000 Objective 3.16: The percent of primary care and oral health care providers who routinely advise cessation and provide assistance for tobacco-using patients</p>	<p>Number of children in the denominator with current household exposure to alcohol or substance abuse</p> <p>Number of children in the denominator with current household exposure to tobacco</p> <p>Number of pediatric primary care providers in the denominator who provide alcohol and drug use screening/ counseling</p> <p>Number of pediatric primary /oral care providers in the denominator who provide cessation advice</p>	<p>Total number of children 12 months through 9 years of age in a defined population</p> <p>Total number of children 12 months through 9 years of age in a defined population</p> <p>Total number of pediatric primary care providers in a defined population</p> <p>Total number of pediatric primary/oral care providers in a defined population</p>	<p>Special Survey</p> <p>EPSDT Special Survey</p> <p>Chart Review Provider Survey</p> <p>Chart Review Provider Survey</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
CHILD INDICATORS AGES - 12 MONTHS THROUGH 9 YEARS				
<p>Injuries</p> <p>a. Intentional Injuries*</p>	<p>The number, percent and rate per 100,000 children (12 months through 9 years of age) of intentional fatalities due to homicide, by cause, including:</p> <p>Homicide involving child abuse Homicide involving sexual assault Unarmed homicide Homicide involving firearms Homicide involving other weapons</p> <p>NOTE: HP 2000 Reference Objectives: Rate per 100,000 homicides (7.1a), weapon-related violent deaths (7.3) Report overall rate and rate by cause</p> <p>The number, percent and rate per 100,000 children (12 months through 9 years of age) of intentional nonfatal injuries due to:</p> <p>Physical abuse Sexual assault</p> <p>NOTE: HP 2000 Reference Objective 7.4: Rate per 1,000 of maltreatment of children less than 18 years</p>	<p>Total number of fatalities due to homicide, by cause of homicide (as specified) among children in the denominator in a calendar year</p> <p>Number of intentional nonfatal injuries among children in the denominator in a calendar year</p>	<p>Total number of children 12 months through 9 years of age</p> <p>Total number of children 12 months through 9 years of age</p>	<p>Census Child Death Review Data Death Certificate Data (E-Codes) Medical Examiner Reports</p> <p>Census Department of Social Services Data Emergency Room Data Law Enforcement Data</p>

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CHILD INDICATORS AGES - 12 MONTHS THROUGH 9 YEARS				
<p>a. Intentional Injuries* (Continued)</p>	<p>The rate of hospital discharges per 100,000 children (12 months through 9 years of age) for intentional nonfatal injuries, by cause, including:</p> <p>Child abuse Sexual assault Unarmed assault Firearms Other weapons</p> <p>NOTE: Report overall rate and rate by cause</p>	<p>Total number of hospital discharges for intentional nonfatal injuries, by cause of injury (as specified) among children in the denominator in a calendar year</p>	<p>Total number of children 12 months through 9 years of age</p>	<p>Census Hospital Discharge Data (E-Codes)</p>
<p>b. Unintentional Injuries*</p>	<p>The number, percent and rate per 100,000 children (12 months through 9 years of age) of fatalities due to unintentional injuries, by cause, including:</p> <p>Motor vehicle crashes Drownings Burns (scalds and/or flames) Poisoning Falls Choking Unintentional firearm-related injury Sports/recreational injury</p> <p>NOTE:</p> <p>1. HP 2000 Reference Objectives: Rate per 100,000 of deaths due to unintentional injuries (9.1), rate of deaths due to motor vehicle crashes (9.3a), falls (9.4), drowning (9.5a), and fire (9.6a)</p> <p>2. States are encouraged to document the percent of total fatalities associated with neglect</p> <p>3. Report overall rate and rate by cause</p>	<p>Total number of fatalities due to unintentional injury, by cause of injury (as specified) among children in the denominator in a calendar year</p>	<p>Total number of children 12 months through 9 years of age</p>	<p>Census Child Death Review Data Death Certificate Data (E-Codes) FARS Medical Examiner Reports</p>

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CHILD INDICATORS AGES - 12 MONTHS THROUGH 9 YEARS				
<p>Injuries</p> <p>b. Unintentional Injuries*</p>	<p>The rate of hospital discharges per 100,000 children (12 months through 9 years of age) for unintentional nonfatal injuries, by cause, including:</p> <ul style="list-style-type: none"> Motor vehicle crashes Drownings Burns (scalds and/or flames) Poisoning Falls Choking Unintentional firearm-related accident Sports/recreational accident <p>NOTE: Report overall rate and rate by cause</p>	<p>Total number of hospital discharges for unintentional nonfatal injuries, by cause of injury (as specified) among children in the denominator in a calendar year</p>	<p>Total number of children 12 months through 9 years of age</p>	<p>Census Hospital Discharge Data (E-Codes)</p>
<p>c. Injury Prevention Activities</p>	<p>The percent of caretakers of children reporting use of car passenger restraint systems (CPRS)</p> <p>NOTES: HP 2000 Reference Objective 9.12a: Percent of motor vehicle occupants using occupant protection systems</p> <p>States should develop standards for appropriate CPRS use</p> <p>States should note laws and programs for injury prevention when comparing results from other states</p>	<p>Number of caretakers of children in the denominator reporting use of CPRS</p>	<p>Total number of caretakers of children 12 months through 9 years of age in a defined population</p>	<p>Household Survey</p>

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CHILD INDICATORS AGES - 12 MONTHS THROUGH 9 YEARS				
<p>Injuries</p> <p>c. Injury Prevention Activities (Continued)</p>	<p>The percent of children involved in injury crashes using car passenger restraint systems (CPRS)</p> <p>The percent of households with children under 4 years of age with syrup of Ipecac (to prevent poisoning)</p> <p>HP 2000 Objective 9.13: The percent of children who ride bicycles and use bicycle helmets</p>	<p>Number of children in the denominator using CPRS</p> <p>Number of households in the denominator with syrup of Ipecac</p> <p>Number of children in the denominator (or their caretakers) who report child bicycle helmet use</p>	<p>Total number of children 12 months through 9 years of age involved in injury crashes in a defined population in a calendar year</p> <p>Total number of households with children under 4 years of age in a defined population</p> <p>Total number of children 5 through 9 years of age who ride bicycles in a defined population</p>	<p>FARS Highway Traffic Safety Data</p> <p>Household Survey</p> <p>Special Survey</p>

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CHILD INDICATORS AGES - 12 MONTHS THROUGH 9 YEARS				
Low Hgb/Hct	<p>The percent of children ages 1 through 4 years with low Hgb/Hct according to CDC age-specific standards</p> <p>NOTE: HP 2000 Reference Objective 2.10: Percent of children ages 1 through 4 years in a defined population with iron deficiency</p>	Number of children in the denominator with low Hgb/Hct, by age	Number of children ages 1 through 4 years in a defined population by age	Chart Review Clinical Encounter Data EPSDT Head Start Data Pednss WIC
Hospital Discharges for Ambulatory Care Sensitive Diagnoses	<p>Hospital discharge rate per 100,000 children (12 months through 9 years of age) for ambulatory care sensitive (ACS) diagnoses</p> <p>NOTE: HP 2000 Reference Objective 11.1b: Rate per 100,000 hospitalizations for asthma in children 14 years and younger ACS - ICD 9 Codes - See Appendix C</p>	Number of hospital discharges for ACS diagnoses among children in the denominator in a calendar year	Total number of children 12 months through 9 years of age	Census Hospital Discharge Data

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Immunization</p> <p>a. Vaccine Status</p> <p>b. Vaccine-Preventable Conditions</p>	<p>The percent of youth who have received hepatitis B series, MMR and Td boosters as recommended by the current AAP/ACIP schedule</p> <p>NOTE: Refer to Appendix D, AAP/ACIP schedule</p> <p>The percent of youth in foster care who received age-appropriate immunizations, by immunization type, as recommended by the current AAP/ACIP schedule</p> <p>NOTE: Refer to Appendix D, AAP/ACIP schedule</p> <p>The number and rate per 100,000 youth (10 through 19 years) of reported cases of vaccine-preventable conditions: diphtheria, tetanus, pertussis, polio, measles, mumps, rubella and hepatitis B; Adapted from HP 2000 Objective 20.1</p> <p>The number and rate per 100,000 youth (ages 10 through 19 years) of hospital discharges for vaccine-preventable conditions (for conditions listed above)</p>	<p>Number of youth in the denominator who received the AAP/ACIP recommended immunizations</p> <p>Number of youth in the denominator who received age-appropriate immunizations, by immunization type</p> <p>Number of reported cases of vaccine-preventable conditions, by condition, among youth in the denominator in a calendar year</p> <p>Number of hospital discharges for vaccine-preventable conditions, by condition, among youth in the denominator in a calendar year</p>	<p>Total number of youth ages 10 through 19 years in a defined population in a calendar year</p> <p>Total number of youth in foster care 10 through 19 years of age, by age, in a defined population in a calendar year</p> <p>Total number of youth ages 10 through 19 years in a calendar year</p> <p>Total number of youth ages 10 through 19 years in a calendar year</p>	<p>CDC Immunization Special Survey Chart Review Clinical Encounter Data EPSDT Immunization Registry</p> <p>Department of Social Services Data Medicaid Claims Data</p> <p>Census Notifiable Infectious Disease Data</p> <p>Census Hospital Discharge Data</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
Access to Primary Care	The percent of youth (or their caretakers) who report having an identified primary care provider	Number of youth in the denominator (or their caretakers) who report having a primary care provider	Total number of youth ages 10-14 and 15-19 years in a defined population	Special Survey
	The percent of youth (or their caretakers) who report having had a well visit to a health care provider within the past 12 months NOTE: Excludes ER visits	Number of youth in the denominator (or their caretakers) who report having a visit in the past 12 months	Total number of youth ages 10-14 and 15-19 years in a defined population	Special Survey
Adequacy of Primary Care	The percent of providers who report using a well child/youth protocol consistent with recommended guidelines	Number of providers in the denominator reporting use of recommended guidelines	Total number of providers surveyed	Provider survey
	The percent of youth who have had the recommended number of well visits for their age NOTE: 1994 AAP guidelines, Bright Futures or EPSDT standards preferred	Number of youth in the denominator who received the recommended number of visits	Total number of youth ages 10 through 19 years (by age) in a defined population in a calendar year	Chart Review Clinical Encounter Data EPSDT

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Youth Substance, Alcohol and Tobacco Use/ Abuse/Exposure</p> <p>Use/Abuse Substance</p>	<p>The percent of youth in a defined population reporting any substance use/abuse, by substance, in the previous month, six months, ever, by age</p> <p>NOTE: HP 2000 Reference Objective 4.6: Percent of adolescents ages 12-17 who have used alcohol, marijuana and cocaine in the last month</p> <p>The number and rate of hospital discharges for substance abuse, by substance, among adolescents ages 10 through 19 years</p> <p>The number and rate of emergency room visits for substance abuse, by substance, among youth ages 10 through 19 years</p>	<p>Number of youth in the denominator reporting use of substances, by age and by substance</p> <p>Number of hospital discharges for substance abuse among youth in the denominator in a calendar year, by substance</p> <p>Number of emergency room visits for substance abuse among youth in the denominator in a calendar year, by substance</p>	<p>Total number of youth ages 10 through 19 years, by age group, in a defined population</p> <p>Total number of youth ages 10-14 and 15-19 years</p> <p>Total number of youth ages 10-14 and 15-19 years</p>	<p>EPSDT Law Enforcement Data National Council on Alcoholism Data State and Local Substance Abuse Data YRBS</p> <p>Census Hospital Discharge Data</p> <p>Census Emergency Room Data</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Youth Substance, Alcohol and Tobacco Use/Abuse/Exposure</p> <p>Use/Abuse 2) Alcohol</p>	<p>The percent of youth reporting any use of alcohol in the previous month, six months, ever, by age</p> <p>NOTE: HP 2000 Reference Objective 4.6: Percent of adolescents ages 12-17 who have used alcohol, marijuana and cocaine in the last month</p> <p>The number and rate of hospital discharges for alcohol abuse among youth ages 10-14 and 15-19 years</p> <p>The number and rate of emergency room visits for alcohol abuse among youth ages 10-14 and 15-19 years</p>	<p>Number of youth in the denominator reporting alcohol use, by age</p> <p>Number of hospital discharges for alcohol abuse among youth in the denominator in a calendar year</p> <p>Number of emergency room visits for alcohol abuse among youth in the denominator in a calendar year</p>	<p>Total number of youth ages 10 through 19 years, by age group, in a defined population</p> <p>Total number of youth ages 10-14 and 15-19 years</p> <p>Total number of youth ages 10-14 and 15-19 years</p>	<p>Census National Council on Alcoholism Data State and Local Substance Abuse Data YRBS</p> <p>Census Hospital Discharge Data</p> <p>Census Emergency Room Data</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Youth Substance, Alcohol and Tobacco Use/Abuse/Exposure</p> <p>Use/Abuse 3) Tobacco</p>	<p>The percent of youth reporting any use of tobacco, by type, in the previous month, six months, ever, by age:</p> <p>Cigars Cigarettes Smokeless tobacco</p> <p>NOTE: HP 2000 Reference Objectives: Percent of adolescents initiating and becoming regular cigarette smokers by age 20 (3.5); the percent of adolescents ages 12-17 who have used snuff or chewing tobacco in the previous month; the percent of adolescent males aged 12-24 who have used snuff or chewing tobacco at least 20 times and who currently use snuff or chewing tobacco (3.9); the average age of first use of cigarettes, alcohol and marijuana by adolescents ages 12-17 (4.5)</p>	<p>Number of youth in the denominator reporting tobacco use, by type, by age</p>	<p>Total number of youth ages 10 through 19 years, by age group, in a defined population</p>	<p>EPSDT State and Local Substance Abuse Data YRBS</p>
<p>b. Exposure</p>	<p>The percent of youth with current household exposure to alcohol or substance abuse</p> <p>NOTE: Current is defined as daily exposure within the last 6 months Household refers to others in household using substances</p> <p>The percent of youth with current household exposure to tobacco</p>	<p>Number of youth in the denominator with current household exposure to alcohol or substance abuse</p> <p>Number of youth in the denominator with current household exposure to tobacco</p>	<p>Total number of youth ages 10 through 19 years by age in a defined population</p> <p>Total number of youth ages 10 through 19 years by age in a defined population</p>	<p>Special Survey</p> <p>Special Survey EPSDT</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Youth Substance, Alcohol and Tobacco</p> <p>c. Prevention</p>	<p>HP 2000 Objective 4.19: The percent of primary care providers who screen for alcohol and other drug use problems and provide other counseling as needed</p> <p>HP 2000 Objective 3.16: The percent of primary care and oral health care providers who routinely advise cessation and provide assistance for tobacco-using patients</p> <p>The percent of youth reporting having received advice or education about alcohol or tobacco use by source (health care provider, caretakers, community-based health education program, media)</p>	<p>Number of primary care providers in the denominator who provide alcohol and drug use screening/ counseling</p> <p>Number of primary/oral care providers in the denominator who provide cessation advice</p> <p>Number of youth in the denominator who report having received substance advice/ education</p>	<p>Total number of primary care providers in a defined population</p> <p>Total number of primary/oral care providers in a defined population</p> <p>Total number of youth ages 10 through 19 years by age in a defined population</p>	<p>Chart Review Provider Survey</p> <p>Chart Review Provider Survey</p> <p>Special Survey</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Oral Health</p> <p>a. Youth with a Dental Exam</p> <p>b. Youth with Untreated Dental Caries</p> <p>c. Youth with Protective Sealants on Permanent Molar Teeth</p>	<p>The percent of youth who have received a dental examination within the previous 12 months</p> <p>The percent of youth aged 15 with one or more untreated carious permanent teeth</p> <p>NOTE: HP 2000 Reference Objective 13.2: Reduce untreated dental caries so that the proportion of children with untreated caries (in permanent or primary teeth) is no more than 15 percent among youth aged 15.</p> <p>HP 2000 Objective 13.8: The percent of youth 14 years of age with protective sealants on occlusal surfaces of second permanent molars</p>	<p>Number of youth in the denominator who received a dental exam within the previous 12 months</p> <p>Number of youth in the denominator who have one or more untreated carious permanent teeth</p> <p>Number of youth in the denominator with protective sealants on occlusal surfaces of second permanent molars</p>	<p>Total number of youth ages 10 through 19 years by age in a defined population</p> <p>Total number of youth 15 years of age in a defined population</p> <p>Total number of youth 14 years of age in a defined population</p>	<p>EPSDT NHIS NHANES NIH or State Oral Health Survey</p> <p>Dental Encounter Data EPSDT NIH or State Oral Health Survey</p> <p>Dental Encounter Data NHANES NIH or State Oral Health Survey</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Injuries</p> <p>a. Intentional Injuries*</p>	<p>The number, percent and rate per 100,000 youth (ages 10-14 and 15-19 years) of intentional fatalities due to homicide, by cause, including:</p> <p>Homicide involving youth abuse Homicide involving sexual assault Unarmed homicide Homicide involving firearms Homicide involving other weapons</p> <p>NOTE: HP 2000 Reference Objectives: Rate per 100,000 homicides (7.1a), weapon-related violent deaths (7.3) Report overall rate and rate by cause</p> <p>The number, percent and rate per 100,000 youth (ages 10-14 and 15-19 years) of fatalities due to suicide</p> <p>NOTE: HP 2000 Reference Objective 6.1: Rate of suicide per 100,000 people</p> <p>The number, percent and rate per 100,000 youth (ages 10-14 and 15-19 years) of intentional nonfatal injuries due to:</p> <p>Physical abuse Sexual assault</p> <p>NOTE: HP 2000 Reference Objective 7.4: Rate per 1,000 of maltreatment of children less than 18 years</p>	<p>Total number of fatalities due to homicide, by cause of homicide (as specified), among youth in the denominator in a calendar year</p> <p>Number of fatalities due to suicide among youth in the denominator in a calendar year</p> <p>Number of intentional nonfatal injuries among youth in the denominator in a calendar year</p>	<p>Total number of youth ages 10-14 and 15-19 years</p> <p>Total number of youth ages 10-14 and 15-19 years</p> <p>Total number of youth ages 10-14 and 15-19 years</p>	<p>Census Child Death Review Data Death Certificate Data (E-Codes) Medical Examiner Reports</p> <p>Census Child Death Review Data Death Certificate Data (E-Codes) Medical Examiner Reports</p> <p>Census Department of Social Services Data Emergency Room Data Law Enforcement Data</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Injuries</p> <p>a. Intentional Injuries* (Continued)</p>	<p>The rate of hospital discharges per 100,000 youth (ages 10-14 and 15-19 years) for intentional nonfatal injuries, by cause, including:</p> <ul style="list-style-type: none"> Youth abuse Sexual assault Unarmed assault Firearms Other weapons <p>NOTE: Report overall rate and rate by cause</p> <p>The number and rate of hospital discharges per 100,000 youth (ages 10-14 and 15-19 years) for suicide attempts</p> <p>NOTE: HP 2000 Reference Objective 7.8: Reduce by 15 percent the incidence of injurious suicide attempts among adolescents ages 14 through 17</p> <p>The number and rate of emergency room visits per 100,000 youth (ages 10-14 and 15-19 years) for suicide attempts</p> <p>NOTE: HP 2000 Reference Objective 7.8: Reduce by 15 percent the incidence of injurious suicide attempts among adolescents ages 14 through 17</p>	<p>Total number of hospital discharges for intentional nonfatal injuries, by cause of injury (as specified), among youth in the denominator in a calendar year</p> <p>Number of hospital discharges for suicide attempt among youth in the denominator in a calendar year</p> <p>Number of emergency room visits for suicide attempt among youth in the denominator in a calendar year</p>	<p>Total number of youth ages 10-14 and 15-19 years</p> <p>Total number of youth ages 10-14 and 15-19 years</p> <p>Total number of youth ages 10-14 and 15-19 years</p>	<p>Census Hospital Discharge Data (E-Codes) Law Enforcement Data</p> <p>Census Hospital Discharge Data (E-Codes) Mandated State Reports</p> <p>Census Emergency Room Data Mandated State Reports</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Injuries</p> <p>b. Unintentional Injuries*</p>	<p>The number, percent and rate per 100,000 youth (ages 10-14 and 15-19 years) of fatalities due to unintentional injuries, by cause, including:</p> <ul style="list-style-type: none"> Motor vehicle crashes Motor vehicle crashes and substance abuse Drownings Burns (scalds and/or flames) Poisoning Falls Unintentional firearm-related injury Sports/recreational injury <p>NOTE:</p> <ol style="list-style-type: none"> 1. HP 2000 Reference Objectives: Rate per 100,000 of deaths due to unintentional injuries (9.1), rate of deaths due to motor vehicle crashes (9.3a), falls (9.4), drowning (9.5a), and fire (9.6a) 2. States are encouraged to document the percent of total fatalities associated with neglect 3. Report overall rate and rates by cause 	<p>Total number of fatalities due to unintentional injury, by cause of injury (as specified) among youth in the denominator in a calendar year</p>	<p>Total number of youth ages 10-14 and 15-19 years</p>	<p>Census Child Death Review Data Death Certificate Data (E-Codes) FARS Medical Examiner Reports</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Injuries</p> <p>c. Prevention (Continued)</p>	<p>HP 2000 Objective 9.13: The percent of youth who ride bicycles and use bicycle helmets</p> <p>The percent of youth who report having received information on injury prevention by source (health care provider, community program, media)</p> <p>NOTES: HP 2000 Reference Objective 9.21: Percent primary care providers who routinely provide age-appropriate counseling on safety precautions to prevent unintentional injury</p> <p>States should note laws and programs for injury prevention when comparing results from other states</p> <p>The percent of health care providers who routinely provide age-appropriate counseling on safety precautions to prevent unintentional injury according to the American Academy of Pediatrics-TIPP program (or a local equivalent). Topics include:</p> <p>Bicycle/motorcycle helmet use Car passenger restraint use Oral/facial protective devices Smoke detector use Sport and work safety equipment Suicide/depression Water/pool safety</p>	<p>Number of youth in the denominator who report bicycle helmet use</p> <p>Number of youth in the denominator who report having received injury prevention information by source</p> <p>Number of health care providers in the denominator reporting use of protocols for delivering appropriate injury-prevention counseling</p>	<p>Total number of youth ages 10 through 19 years by age who ride bicycles in a defined population</p> <p>Total number of youth ages 10 through 19 years by age in a defined population</p> <p>Total number of health care providers in a defined population</p>	<p>Special Survey</p> <p>Special Survey</p> <p>Provider Survey</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
Low Hgb/Hct	The percent of youth (ages 10 through 19 years) with low Hgb/Hct according to CDC age-specific standards	Number of youth in the denominator with low Hgb/Hct, by age	Number of youth ages 10 through 19 years by age in a defined population	Chart Review Clinical Encounter Data EPSDT PedNSS
Hospital Discharges for Ambulatory Care Sensitive Diagnoses	<p>Hospital discharges rate per 1,000 youth (ages 10-14 and 15-19 years) for ambulatory care sensitive (ACS) diagnoses</p> <p>NOTE:</p> <ol style="list-style-type: none"> HP 2000 Reference Objective 11.1b: Rate per 100,000 hospitalizations for asthma in children 14 years and younger ACS - ICD9 codes - See Appendix C 	Number of hospital discharges for ACS diagnoses among youth in the denominator in a calendar year	Total number of youth ages 10-14 and 15-19 years	Census Hospital Discharge Data
Sexually Transmitted Diseases	<p>The number and rate per 100,000 youth (by age group) of reportable sexually transmitted diseases, by cause, including: HIV, gonorrhea, chlamydia, Hepatitis B, syphilis)</p> <p>NOTES: HP 2000 Reference Objectives: The rate per 100,000 of gonorrhea (19.1), chlamydia (19.2), primary and secondary syphilis cases (19.3) and repeat gonorrhea (19.8)</p> <p>The number of genital herpes and genital warts (19.5), and hepatitis B (19.7)</p> <p>Should be reported in age groups: under age 15, age 15-17, age 18-19</p> <p>The number and rate per 100,000 females (ages 10-14 and 15-19 years) of hospital discharges for Pelvic Inflammatory Disease (PID); Adapted from HP 2000 Objective 19.6</p>	<p>The number of reported cases of specified conditions, by condition, among youth in the denominator, by age group, in a calendar year</p> <p>Number of hospital discharges for PID among females in the denominator in a calendar year</p>	<p>Total number of youth in each age group</p> <p>Total number of female youth ages 10-14 and 15-19 years</p>	<p>Census Notifiable Infectious Disease Data</p> <p>Census Hospital Discharge Data</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
YOUTH INDICATORS - AGES 10 THROUGH 19 YEARS				
<p>Teen Births</p> <p>a. Teen Births*</p> <p>b. Teen Fathers</p> <p>c. Teen Births to Adult Fathers</p>	<p>The number and rate per 1,000 adolescent females of births to adolescent females by age at delivery</p> <p>NOTE: Should be reported by age group: under age 15, age 15-17, age 18-19</p> <p>The number and rate per 1,000 adolescent males of teen fathers by age group</p> <p>NOTE: Should be reported by age group: under age 15, age 15-17, age 18-19</p> <p>The percent of births to female adolescents where the father is over 19 years of age</p> <p>NOTE: Should be reported by age group of father: 20-24, 25-29, 30+</p>	<p>Number of births among adolescent females in the denominator, by age group, in a calendar year</p> <p>Number of adolescent fathers, by age group, in a calendar year</p> <p>Number of denominator births where the father is over 19 years of age</p>	<p>Total number of female adolescents, by age group</p> <p>Total number of adolescent males, by age group</p> <p>Total number of births to teen mothers in a calendar year</p>	<p>Birth Certificate Data Census</p> <p>Birth Certificate Data Census</p> <p>Birth Certificate Data</p>
Teen Pregnancy	The number and rate of fetal deaths, live births and abortions per 1,000 pregnancies to adolescent females by age at delivery; Adapted from HP 2000 Objective 5.1	Number of fetal deaths, live births and abortions among females in the denominator, by age group, in a calendar year	Total number of female youth, by age group	Birth Certificate Data Census Fetal Death Certificate Data Reported Abortion Data
Repeat Teen Births	The number and rate per 1,000 of repeat births to adolescent females	Number of repeat births among females in the denominator, by age group	Total number of teen births to adolescent females, by age group, in a calendar year	Birth Certificate Data

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
WOMEN'S INDICATORS				
First Trimester Onset of Prenatal Care*	The percent of live-born infants whose mothers received prenatal care in the first trimester of pregnancy; Adapted from HP 2000 Objective 14.11	Number of live births to women who received prenatal care during the first trimester, in a calendar year	Total number of live births in a calendar year	Birth Certificate Data Chart Review Clinical Encounter Data PRAMS
Inadequate Prenatal Care*	<p>The percent of live-born infants whose mothers did not receive adequate prenatal care (as defined by Kotelchuck or Kessner)</p> <p>NOTES:</p> <p>1. Kotelchuck: percent of women whose ratio of observed to expected prenatal visits is > or = 80%. 80 percent defined in the Adequacy of Prenatal Care Units (APNCU) as the lower boundary of "adequate care" (expected visits are adjusted for gestational age and month prenatal care began)</p> <p>2. The Kessner Index takes into account three factors: month in which prenatal care began, number of prenatal care visits, and length of gestation. "Not adequate" prenatal care includes intermediate, inadequate, and unknown adequacy of care. Although many experts believe that other indices may better predict adverse outcomes (e.g. Kotelchuck APNCU), NCHS reports adequacy by the Kessner index only.</p> <p>3. Kotelchuck preferred</p>	Number of live births to women who received inadequate prenatal care, in a calendar year	Total number of live births in a calendar year	Birth Certificate Data Chart Review Clinical Encounter Data PRAMS

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
WOMEN'S INDICATORS				
Prenatal Screening	<p>The percent of pregnant women screened for genetic disorders, by test, as required by law</p> <p>The percent of screened pregnant women testing positive for genetic disorder who received appropriate treatment and follow-up care</p> <p>NOTE: HP 2000 Reference Objective 14.13: Percent of women enrolled in prenatal care who are offered screening and counseling on prenatal detection of fetal abnormalities</p>	<p>Number of women in the denominator who received prenatal screening for genetic disorders in a calendar year</p> <p>Number of women in the denominator who received appropriate treatment and follow-up care</p>	<p>Total number of women who gave birth in a calendar year</p> <p>Total number of pregnant women testing positive for genetic disorder in calendar year</p>	<p>Birth Certificate Data Prenatal Screening Data</p> <p>Prenatal Screening Data</p>
Maternal Alcohol and Substance Use/Abuse	<p>The percent of pregnant women delivering live-born infants using drugs or alcohol, by substance, during pregnancy (verified by maternal history, toxicology screen or clinical diagnosis)</p> <p>NOTES: HP 2000 Reference Objective 14.10: Percent of pregnant women who abstain from using alcohol, cocaine or marijuana Verified by toxicology screen; PRAMS is currently being piloted; data will be available at a future date</p>	Number of women in the denominator with verified drug or alcohol use/abuse, by substance	Total number of pregnant women in a defined population in a calendar year delivering live-born infants	<p>Birth Certificate Data BRFSS Chart Review PRAMS Special Survey (laboratory) WIC</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
WOMEN'S INDICATORS				
Cigarette Smoking by Pregnant Women*	<p>The percent of pregnant women delivering live-born infants reporting any cigarette smoking during pregnancy</p> <p>NOTES: HP 2000 Reference Objective 14.10: Percent of pregnant women who abstain from tobacco use</p> <p>HP 2000 Reference Objective 3.7: Percent of women who quit smoking early in pregnancy and maintain abstinence for the remainder of their pregnancy</p> <p>PRAMS is currently being piloted; data will be available at a future date</p>	Number of women giving birth to live - born infants in the denominator who report smoking during pregnancy in a calendar year	Total number of women delivering live- born infants in a calendar year	Birth Certificate Data BRFSS Chart Review NHIS PRAMS PNSS WIC
Maternal Weight Gain During Pregnancy	<p>HP 2000 Reference Objective 14.6: The percent of women who achieve the minimum recommended weight gain during pregnancy (per the Institute of Medicine guidelines)</p> <p>NOTES: PRAMS is currently being piloted; data will be available at a future date</p>	Number of women in the denominator who had appropriate weight gain during pregnancy	Total number of women in a defined population giving birth in a calendar year	Birth Certificate Data Chart Review PRAMS Special Survey WIC
Preterm Delivery	The number and rate per 1,000 live-births of deliveries occurring before 37 completed weeks gestation	Number of live births occurring before 37 weeks gestation among births in the denominator	Total number of live births in a calendar year	Birth Certificate Data

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
WOMEN'S INDICATORS				
Low Birth Weight*	<p>The percent of live born infants by weight category at birth; Adapted from HP 2000 Objective 14.5</p> <p>Less than 2500 grams (Low Birth Weight)</p> <p>1500-2499 grams</p> <p>1,000-1499 grams (Very Low Birth Weight)</p>	Number of live-born infants in the denominator in each specified weight category	Total number of live-births in a calendar year	Birth Certificate Data
Women Who Breastfeed Their Infants	<p>The percent of mothers who exclusively or partially breastfeed at time of hospital discharge</p> <p>The percent of mothers who continue to breastfeed at three months postpartum</p> <p>NOTES: HP 2000 Reference Objective 14.9: Percent of mothers who breastfeed their babies in the early postpartum period; the percent of mothers who continue to breastfeed until their babies are 5 to 6 months old</p> <p>WIC reports breastfeeding status for participating infants in two age categories: 0 to 3 months and greater than 3 months</p>	<p>Number of women in the denominator who breastfeed at time of hospital discharge</p> <p>Number of women in the denominator who breastfeed at three months postpartum</p>	<p>Total number of postpartum women in a defined population in a calendar year</p> <p>Total number of postpartum women in a defined population in a calendar year</p>	<p>Chart Review Newborn Genetic Disease Data</p> <p>PRAMS Special Survey WIC</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
WOMEN'S INDICATORS				
Adequacy of WIC Utilization	The percent of eligible pregnant, postpartum and breastfeeding women receiving WIC services	Number of women in the denominator receiving WIC services in a calendar year	Federal WIC estimate of the total number of WIC eligible pregnant, postpartum and breastfeeding women	Census WIC
Sexually Transmitted Diseases	<p>The number and rate per 100,000 women (ages 21 and older) of reportable sexually transmitted diseases, by disease, including: HIV, gonorrhea, chlamydia, hepatitis B and syphilis</p> <p>NOTES: HP 2000 Reference Objectives: The rate per 100,000 of gonorrhea (19.1), chlamydia (19.2), primary and secondary syphilis cases (19.3) and repeat gonorrhea (19.8)</p> <p>The number of genital herpes and genital warts (19.5), and hepatitis B (19.7)</p> <p>The number and rate per 100,000 women (ages 20 and older) of hospital discharges for pelvic inflammatory disease (PID); Adapted from HP 2000 Objective 19.6</p>	<p>Number of reported cases of specified conditions, by condition, among women in the denominator in a calendar year</p> <p>Number of hospital discharges for PID among women in the denominator in a calendar year</p>	<p>Total number of women ages 21 and older</p> <p>Total number of women ages 20 and older</p>	<p>Census Notifiable Infectious Disease Data</p> <p>Census Hospital Discharge Data</p>
Maternal HIV Infection*	<p>The number of women (ages 20 and older) with human immunodeficiency virus (HIV) infection per 1,000 live births; Adapted from HP 2000 Objective 18.2c</p> <p>NOTE: This indicator (expressed as a rate per 1,000 live births) is an estimate based on HIV sero-prevalence rates identified in a sub-sample of blood specimens of live born infants.</p>	Number of HIV-positive live-born infant cord blood specimens in the denominator	Total number of live-born infant cord blood specimens tested by the CDC in a calendar year	CDC National HIV Serosurveillance Summary

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
WOMEN'S INDICATORS				
Intended Births	The percent of births that were planned/intended	Number of women in the denominator who had planned pregnancies	Total number of women in a defined population giving birth in a calendar year	PRAMS
<p>Cervical Cancer</p> <p>a. Screening</p> <p>b. Occurrence</p>	<p>The percent of women ages 20 to 64 who have had one or more Pap smears within the preceding 3 years according to ACOG standards</p> <p>NOTE: HP 2000 Reference Objective 16.12: Percent of women aged 18 and older with a uterine cervix who have ever received a Pap test; and the proportion of women ages 18 and older who received a Pap test within the preceding 1 to 3 years</p> <p>The number and rate per 100,000 women ages 20 and older of late stage cervical cancer cases</p> <p>NOTE: HP 2000 Reference Objective 16.4: Rate per 100,000 of deaths from cancer of the uterine cervix</p> <p>The proportion of cervical cancer cases reported as late stage</p> <p>NOTES: A cancer registry program is required to provide these data</p> <p>Should be reported by age group</p>	<p>Number of women in the denominator who received one or more pap smears in the past 3 years</p> <p>Number of women in the denominator with late-stage cervical cancer</p> <p>Number of late-stage cervical cancer cases among all cases reported in the denominator</p>	<p>Total number of women ages 20 to 64 in a calendar year</p> <p>Total number of women ages 20 and older in a defined population</p> <p>Total number of reported cervical cancer cases in a defined population</p>	<p>Census Chart Review Clinical Encounter Data NHIS Special Survey</p> <p>Cancer Registry Census Chart Review NHIS Special Survey</p> <p>Cancer Registry Census Chart Review NHIS Special Survey</p>

INDICATOR	DEFINITIONS FOR PUBLIC HEALTH SURVEILLANCE	NUMERATOR	DENOMINATOR	DATA SOURCES
WOMEN'S INDICATORS				
Breast Cancer Screening	The percent of women over age 50 who have had a documented mammogram within the past two years	Number of women in the denominator who had a documented mammogram within the past 2 years	Total number of women over age 50 in a calendar year	Census Chart Review Clinical Encounter Data NHIS
Hospital Discharges for Ambulatory Care Sensitive Diagnoses	Hospital discharges rate per 100,000 women (ages 20 and older) for ambulatory care sensitive (ACS) diagnoses NOTE: ACS - ICD9 codes - See Appendix C	Number of hospital discharges for ACS diagnoses among women in the denominator in a calendar year	Total number of women ages 20 and older	Census Hospital Discharge Data