

Data Overview: Community Health Indicator Reports (CHIRS) - Trend Data

General Description

New York State Community Health Indicator Reports (CHIRS) were developed in 2012, and are updated annually to consolidate and improve data linkages for the health indicators included in the County Health Assessment Indicators (CHAI) for all communities in New York. The CHIRS trend data table presents data for close to 300 health indicators and are provided for all 62 counties, for New York State, for New York City and New York State excluding New York City.

Data Collection Process

The Public Health Information Group analyzes Vital Statistics data (i.e., death and birth records) and Statewide Planning and Research Cooperative System (SPARCS) inpatient and outpatient data to generate measures for the CHIRS indicators. Furthermore, the Office also obtains aggregated data from various Department of Health programs such the Women, Infants, Children (WIC) program, Childhood Lead Poisoning Prevention Program, Heavy Metals Registry, the Expanded Behavioral Risk Factor Surveillance System, and Medicaid. Data are also collected from the New York State Governor's Traffic Safety Committee, the New York State Department of Education, and the Department of Health disease registries, including cancer, HIV/AIDS, communicable disease, rabies, tuberculosis and sexually transmitted disease. Lastly, national survey data are obtained from the U.S. Census Bureau and the Bureau of Labor Statistics.

Limitations in Data Use

This dataset consists of various types of indicators with different units of measurement such as rates per 10,000 population, rates per 100,000 population, and percentages. Therefore, comparisons should only be made across indicators which use the same units. If comparisons are made across indicators with different units, conclusions should clearly point out the differences in units, and that comparisons need to be considered with care.

Data are noted when county statistics are unstable or suppressed due to small number of events/outcomes.

Health Topic	Indicator
Cancer Indicators	All cancer incidence rate per 100,000
	Age-adjusted all cancer incidence rate per 100,000
	All cancers mortality rate per 100,000
	Age-adjusted all cancers mortality rate per 100,000
	Lip, oral cavity and pharynx cancer incidence rate per 100,000
	Age-adjusted lip, oral cavity and pharynx cancer incidence rate per 100,000
	Lip, oral cavity and pharynx cancer mortality rate per 100,000
	Age-adjusted lip, oral cavity and pharynx cancer mortality rate per 100,000
	Colon and rectum cancer incidence rate per 100,000

	Age-adjusted colon and rectum cancer incidence rate per 100,000
	Colon and rectum cancer mortality rate per 100,000
	Age-adjusted colon and rectum cancer mortality rate per 100,000
	Lung and bronchus cancer incidence rate per 100,000
	Age-adjusted lung and bronchus cancer incidence rate per 100,000
	Lung and bronchus cancer mortality rate per 100,000
	Age-adjusted lung and bronchus cancer mortality rate per 100,000
	Female breast cancer incidence rate per 100,000
	Age-adjusted female breast cancer incidence rate per 100,000
	Female breast cancer mortality rate per 100,000
	Age-adjusted female breast cancer mortality rate per 100,000
	Female breast cancer late stage incidence rate per 100,000
	Age-adjusted female breast cancer late stage incidence rate per 100,000
	Cervix uteri cancer incidence rate per 100,000
	Age-adjusted cervix uteri cancer incidence rate per 100,000
	Cervix uteri cancer mortality rate per 100,000
	Age-adjusted cervix uteri cancer mortality rate per 100,000
	Ovarian cancer incidence rate per 100,000
	Age-adjusted ovarian cancer incidence rate per 100,000
	Ovarian cancer mortality rate per 100,000
	Age-adjusted ovarian cancer mortality rate per 100,000
	Prostate cancer incidence rate per 100,000
	Age-adjusted prostate cancer incidence rate per 100,000
	Prostate cancer mortality rate per 100,000
	Age-adjusted prostate cancer mortality rate per 100,000
	Prostate cancer late stage incidence rate per 100,000
	Age-adjusted prostate cancer late stage incidence rate per 100,000
	Melanoma cancer mortality rate per 100,000
	Age-adjusted melanoma cancer mortality rate per 100,000
Cardiovascular Disease Indicators	Cardiovascular disease mortality rate per 100,000
	Age-adjusted cardiovascular disease mortality rate per 100,000
	Cardiovascular disease premature death (aged 35-64 years) rate per 100,000
	Cardiovascular disease pretransport mortality rate per 100,000
	Cardiovascular disease hospitalization rate per 10,000
	Age-adjusted cardiovascular disease hospitalization rate per 10,000
	Disease of the heart mortality rate per 100,000
	Age-adjusted disease of the heart mortality rate per 100,000
	Disease of the heart premature death (aged 35-64 years) mortality rate per 100,000

	Disease of the heart pretransport mortality rate per 100,000
	Disease of the heart hospitalization rate per 10,000
	Age-adjusted disease of the heart hospitalization rate per 10,000
	Coronary heart disease mortality rate per 100,000
	Age-adjusted coronary heart disease mortality rate per 100,000
	Coronary heart disease premature death (aged 35-64 years) rate per 100,000
	Coronary heart disease pretransport mortality rate per 100,000
	Coronary heart disease hospitalization rate per 10,000
	Age-adjusted coronary heart disease hospitalization rate per 10,000
	Congestive heart failure mortality rate per 100,000
	Age-adjusted congestive heart failure mortality rate per 100,000
	Congestive heart failure premature death (aged 35-64 years) rate per 100,000
	Congestive heart failure pretransport mortality rate per 100,000
	Congestive heart failure hospitalization rate per 10,000
	Age-adjusted congestive heart failure hospitalization rate per 10,000
	Cerebrovascular disease (stroke) mortality rate per 100,000
	Age-adjusted cerebrovascular disease (stroke) mortality rate per 100,000
	Cerebrovascular disease (stroke) premature death (aged 35-64 years) rate per 100,000
	Cerebrovascular disease (stroke) pretransport mortality rate per 100,000
	Cerebrovascular disease (stroke) hospitalization rate per 10,000
	Age-adjusted cerebrovascular disease (stroke) hospitalization rate per 10,000
	Hypertension hospitalization rate per 10,000 - Aged 18 years and older
Child and Adolescent Health Indicators	Childhood mortality rate per 100,000 - Aged 1-4 years
	Childhood mortality rate per 100,000 - Aged 5-9 years
	Childhood mortality rate per 100,000 - Aged 10-14 years
	Childhood mortality rate per 100,000 - Aged 5-14 years
	Childhood mortality rate per 100,000 - Aged 15-19 years
	Asthma hospitalization rate per 10,000 - Aged 0-4 years
	Asthma hospitalization rate per 10,000 - Aged 5-14 years
	Asthma hospitalization rate per 10,000 - Aged 0-17 years
	Gastroenteritis hospitalization rate per 10,000 - Aged 0-4 years
	Otitis media hospitalization rate per 10,000 - Aged 0-4 years
	Pneumonia hospitalization rate per 10,000 - Aged 0-4 years
	Percentage of children born in 2008 with a lead screening by 9 months
	Percentage of children born in 2008 with a lead screening between 9 months to less than 18 months
	Percentage of children born in 2008 with at least two lead screenings by 36 months

	Incidence of confirmed high blood lead level (10 micrograms or higher per deciliter) - rate per 1,000 tested children aged <72 months
Cirrhosis/Diabetes Indicators	Cirrhosis mortality rate per 100,000
	Age-adjusted cirrhosis mortality rate per 100,000
	Cirrhosis hospitalization rate per 10,000
	Age-adjusted cirrhosis hospitalization rate per 10,000
	Diabetes mortality rate per 100,000
	Age-adjusted diabetes mortality rate per 100,000
	Diabetes hospitalization rate per 10,000 (primary diagnosis)
	Age-adjusted diabetes hospitalization rate per 10,000 (primary diagnosis)
	Diabetes hospitalization rate per 10,000 (any diagnosis)
	Age-adjusted diabetes hospitalization rate per 10,000 (any diagnosis)
	Diabetes short-term complications hospitalization rate per 10,000 - Aged 6-17 Years
	Diabetes Short-term Complications Hospitalization rate per 10,000 - Aged 18+ Years
Communicable Disease Indicators	Pneumonia/flu hospitalization rate (Aged 65 years and older) per 10,000
	Pertussis incidence per 100,000
	Mumps incidence per 100,000
	Meningococcal incidence per 100,000
	H. influenza incidence per 100,000
	Hepatitis A incidence per 100,000
	Acute hepatitis B incidence per 100,000
	Tuberculosis incidence per 100,000
	E. coli O157 incidence per 100,000
	Salmonella incidence per 100,000
Shigella incidence per 100,000	
Family Planning/Natality Indicators	Percentage of births within 24 months of previous pregnancy
	Percentage of births to teens - Aged 15-17 years
	Percentage of births to teens - Aged 15-19 years
	Percentage of births to women aged 35 years and older
	Fertility rate per 1,000 females - Aged 15-44 years
	Teen fertility rate per 1,000 (births to mothers aged 10-14 years/female population aged 10-14 years)
	Teen fertility rate per 1,000 (births to mothers aged 15-17 years/female population aged 15-17 years)
	Teen fertility rate per 1,000 (births to mothers aged 15-19 years/female population aged 15-19 years)

	Teen fertility rate per 1,000 (births to mothers aged 18-19 years/female population aged 18-19 years)
	Pregnancy rate per 1,000 (all pregnancies/female population aged 15-44 years)
	Teen pregnancy rate per 1,000 females aged 10-14 years
	Teen pregnancy rate per 1,000 females aged 15-17 years
	Teen pregnancy rate per 1,000 females aged 15-19 years
	Teen pregnancy rate per 1,000 females aged 18-19 years
	Abortion ratio (induced abortions per 100 live births) - Aged 15-19 years
	Abortion ratio (induced abortions per 100 live births) - All ages
HIV/AIDS and Other Sexually Transmitted Infection Indicators	HIV case rate per 100,000
	Age-adjusted HIV case rate per 100,000
	AIDS case rate per 100,000
	Age-adjusted AIDS case rate per 100,000
	AIDS mortality rate per 100,000
	Age-adjusted AIDS mortality rate per 100,000
	Early syphilis case rate per 100,000
	Gonorrhea case rate per 100,000 - All ages
	Gonorrhea case rate per 100,000 - Aged 15-19 years
	Chlamydia case rate per 100,000 males - All ages
	Chlamydia case rate per 100,000 males - Aged 15-19 years
	Chlamydia case rate per 100,000 males - Aged 20-24 years
	Chlamydia case rate per 100,000 females - All ages
	Chlamydia case rate per 100,000 females - Aged 15-19 years
	Chlamydia case rate per 100,000 females - Aged 20-24 years
Pelvic inflammatory disease (PID) hospitalization rate per 10,000 females - Aged 15-44 years	
Injury Indicators	Suicide mortality rate per 100,000
	Age-adjusted suicide mortality rate per 100,000
	Suicide mortality rate per 100,000 - Aged 15-19 years
	Self-inflicted injury hospitalization rate per 10,000
	Age-adjusted self-inflicted injury hospitalization rate per 10,000
	Self-inflicted injury hospitalization rate per 10,000 - Aged 15-19 years
	Homicide mortality rate per 100,000
	Age-adjusted homicide mortality rate per 100,000
	Assault hospitalization rate per 10,000
	Age-adjusted assault hospitalization rate per 10,000
	Unintentional injury mortality rate per 100,000
Age-adjusted unintentional injury mortality rate per 100,000	

	Unintentional injury hospitalization rate per 10,000
	Age-adjusted unintentional injury hospitalization rate per 10,000
	Unintentional injury hospitalization rate per 10,000 - Aged <10 years
	Unintentional injury hospitalization rate per 10,000 - Aged 10-14 years
	Unintentional injury hospitalization rate per 10,000 - Aged 15-24 years
	Unintentional injury hospitalization rate per 10,000 - Aged 25-64 years
	Unintentional injury hospitalization rate per 10,000 - Aged 65 years and older
	Falls hospitalization rate per 10,000
	Age-adjusted falls hospitalization rate per 10,000
	Falls hospitalization rate per 10,000 - Aged <10 years
	Falls hospitalization rate per 10,000 - Aged 10-14 years
	Falls hospitalization rate per 10,000 - Aged 15-24 years
	Falls hospitalization rate per 10,000 - Aged 25-64 years
	Falls hospitalization rate per 10,000 - Aged 65-74 years
	Falls hospitalization rate per 10,000 - Aged 75-84 years
	Falls hospitalization rate per 10,000 - Aged 85 years and older
	Poisoning hospitalization rate per 10,000
	Age-adjusted poisoning hospitalization rate per 10,000
	Motor vehicle mortality rate per 100,000
	Age-adjusted motor vehicle mortality rate per 100,000
	Non-motor vehicle mortality rate per 100,000
	Age-adjusted non-motor vehicle mortality rate per 100,000
	Traumatic brain injury hospitalization rate per 10,000
	Age-adjusted traumatic brain injury hospitalization rate per 10,000
	Alcohol related motor vehicle injuries and deaths per 100,000
Maternal and Infant Health Indicators	Percentage of births to women aged 25 years and older without a high school education
	Percentage of births to out-of-wedlock mothers
	Percentage of births that were first births
	Percentage of births that were multiple births
	Percentage of births with early (1st trimester) prenatal care
	Percentage of births with late (3rd trimester) or no prenatal care
	Percentage of births with adequate prenatal care (Kotelchuck)
	Percentage of pregnant women in WIC with early (1st trimester) prenatal care
	Percentage of pregnant women in WIC who were pre-pregnancy underweight (BMI less than 18.5)
	Percentage of pregnant women in WIC who were pre-pregnancy overweight but not obese (BMI 25 to less than 30)
	Percentage of pregnant women in WIC who were pre-pregnancy obese (BMI 30 or higher)

	Percentage of pregnant women in WIC with gestational weight gain greater than ideal
	Percentage of pregnant women in WIC with gestational diabetes
	Percentage of pregnant women in WIC with hypertension during pregnancy
	Percentage of WIC mothers breastfeeding at least 6 months
	Percentage of infants fed any breast milk in delivery hospital
	Percentage of infants fed exclusively breast milk in delivery hospital
	Percentage of births delivered by cesarean section
	Mortality rate per 1,000 live births - Infant (<1 year)
	Mortality rate per 1,000 live births - Neonatal (<28 days)
	Mortality rate per 1,000 live births - Post-neonatal (1 month to 1 year)
	Mortality rate per 1,000 live births - Fetal death (20 weeks gestation or more)
	Mortality rate per 1,000 live births - Perinatal (20 weeks gestation - <28 days of life)
	Mortality rate per 1,000 live births - Perinatal (28 weeks gestation - <7 days of life)
	Maternal mortality rate per 100,000 live births
	Percentage very low birthweight (<1.5 kg) births
	Percentage very low birthweight (<1.5kg) singleton births
	Percentage low birthweight (<2.5 kg) births
	Percentage low birthweight (<2.5kg) singleton births
	Percentage of premature births with <32 weeks gestation
	Percentage of premature births with 32 - <37 weeks gestation
	Percentage of premature births with <37 weeks gestation
	Percentage of births with a 5 minute APGAR <6
	Newborn drug-related diagnosis rate per 10,000 newborn discharges
Obesity and Related Indicators	Percentage of pregnant women in WIC who were pre-pregnancy overweight but not obese (BMI 25 to less than 30)
	Percentage of pregnant women in WIC who were pre-pregnancy obese (BMI 30 or higher)
	Percentage obese (95th percentile or higher) children (aged 2-4 years) in WIC
	Percentage of children (aged 2-4 years) enrolled in WIC watching TV 2 hours or less per day
	Percentage of WIC mothers breastfeeding at least 6 months
	Age-adjusted cardiovascular disease mortality rate per 100,000
	Age-adjusted cerebrovascular disease (stroke) mortality rate per 100,000
	Age-adjusted diabetes mortality rate per 100,000
	Age-adjusted cardiovascular disease hospitalization rate per 10,000
	Age-adjusted cerebrovascular disease (stroke) hospitalization rate per 10,000
	Age-adjusted diabetes hospitalization rate per 10,000 (primary diagnosis)

Occupational Health Indicators	Incidence of malignant mesothelioma per 100,000 persons aged 15 years and older
	Pneumoconiosis hospitalization rate per 100,000 - Aged 15 years and older
	Asbestosis hospitalization rate per 100,000 - Aged 15 years and older
	Work-related hospitalizations per 100,000 employed persons aged 16 years and older
	Elevated blood lead levels (greater than or equal to 10 micrograms per deciliter) per 100,000 employed persons aged 16 years and older
	Fatal work-related injuries per 100,000 employed persons aged 16 years and older
Oral Health Indicators	Caries emergency department visit rate per 10,000 - Aged 3-5 years
	Percentage of Medicaid enrollees with at least one dental visit within the last year
	Percentage of Medicaid enrollees with at least one preventive dental visit within the last year
	Percentage of Medicaid enrollees (aged 2-20 years) who had at least one dental visit within the last year
	Age-adjusted lip, oral cavity and pharynx cancer incidence rate per 100,000
	Age-adjusted lip, oral cavity and pharynx cancer mortality rate per 100,000
	Oral cancer mortality per 100,000 - Aged 45-74 years
Respiratory Disease Indicators	Chronic lower respiratory disease mortality rate per 100,000
	Age-adjusted chronic lower respiratory disease mortality rate per 100,000
	Chronic lower respiratory disease hospitalization rate per 10,000
	Age-adjusted chronic lower respiratory disease hospitalization rate per 10,000
	Asthma hospitalization rate per 10,000
	Age-adjusted asthma hospitalization rate per 10,000
	Asthma hospitalization rate per 10,000 - Aged 0-4 years
	Asthma hospitalization rate per 10,000 - Aged 5-14 years
	Asthma hospitalization rate per 10,000 - Aged 0-17 years
	Asthma hospitalization rate per 10,000 - Aged 5-64 years
	Asthma hospitalization rate per 10,000 - Aged 15-24 years
	Asthma hospitalization rate per 10,000 - Aged 25-44 years
	Asthma hospitalization rate per 10,000 - Aged 45-64 years
	Asthma hospitalization rate per 10,000 - Aged 65 years or older
	Asthma mortality rate per 100,000
Age-adjusted asthma mortality rate per 100,000	
Socio-Economic Status and General Health Indicators	Total population
	Percentage of labor force unemployed
	Percentage of population at or below poverty level
	Percentage of children aged <18 years at or below poverty level

	Median family income in US dollars
	Percentage of children aged <19 years with health insurance
	Percentage of adults aged 18-64 years with health insurance
	Percentage of high school drop out
	Birth rate per 1,000 population
	Total mortality rate per 100,000
	Age-adjusted total mortality rate per 100,000
	Percentage premature deaths (aged less than 75 years)
	Years of potential life lost per 100,000
	Total emergency department visit rate per 10,000
	Age-adjusted total emergency department visit rate per 10,000
	Total hospitalization rate per 10,000
	Age-adjusted total hospitalization rate per 10,000
Tobacco, Alcohol and Other Substance Abuse Indicators	Drug-related hospitalization rate per 10,000
	Age-adjusted drug-related hospitalization rate per 10,000
	Newborn drug-related diagnosis rate per 10,000 newborn discharges
	Alcohol related motor vehicle injuries and deaths per 100,000