

MICHIGAN POPULATION DEMOGRAPHICS

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Abstract

A population is a group of people within a certain area or in a specific group. Certain attributes of the population, sometimes called “demographics,” like gender, age, race or ethnicity, can influence health, risk for certain diseases, and risk during a public health emergency.

Purpose

Understanding a population (e.g. the number of people, their location, and their characteristics) is very important for public health programs and epidemiological studies. Knowing a population’s characteristics can help public health professionals understand the relationship between environmental conditions and related diseases.

These data provide estimates for numbers of people and important demographics. They can be used to identify populations or geographies likely to be exposed to different chemicals in the environment, at-risk for illnesses, or impacted by a public health emergency.

Understanding of population vulnerabilities is essential for public health practice. Public health professionals need to know how to identify, locate, and reach all affected groups in an emergency. It can be challenging to reach some of the groups of people most at risk. Defining an at-risk group requires understanding of unique vulnerabilities of a community. CDC’s guide “Planning for an Emergency: Strategies for Identifying and Engaging At-Risk Groups” describes 6 categories to consider when identifying at-risk groups that could be disproportionately affected by disasters. These categories include:

1. Socioeconomic status
2. Age
3. Gender
4. Race and ethnicity
5. English language proficiency
6. Medical issues and disability

Three of these categories – age, gender, and race – are included in this dataset.

Supplemental Information

Data Source: The Michigan Department of Health and Human Services (MDHHS), Division for Vital Records and Health Statistics (DVRHS) prepared the data available on this site by using population estimates from the US Census and National Center for Health Statistics (NCHS). Population estimates are subject to error due to the limitations of available data and demographic methodologies. The average level of error increases in estimates for geographic entities with smaller populations and especially for population subgroups within those geographic entities.

The 2010 age-race proportions from the US Census were applied to 2011-2016 NCHS Wayne county bridged race populations to estimate the population for Detroit City and Wayne County Health

Department. Alternate estimates of Wayne county and Detroit City may be found at [Southeast Michigan Council of Governments \(SEMCOG\)](#). Estimates for the population served by Detroit City Health Department and Wayne County Health Department were estimated by Michigan DVRHS because the population estimates developed for NCHS did not delineate estimates below the county level.

Native American: In Michigan, the majority tribal populations are Chippewa, Potawatomi, Ottawa, Iroquois and Cherokee. See [Census 2000 PHC-T-18. American Indian and Alaska Native Tribes in Michigan: 2000](#) for a breakdown of the Native American population by tribe.

Keywords

Population; Demographics; Age; Race; Gender; Sex; Total Population; Population Characteristics

Bounding Coordinates

West Bounding Coordinate: -90.418133999999995

East Bounding Coordinate: -82.418394000000006

North Bounding Coordinate: 48.189534000000002

South Bounding Coordinate: 41.696088000000003

Other Information on Data

Level of Geographic Detail: County

Currentness Reference (when data were last updated): 9/30/2017

Frequency at which the data are updated: Annually

Data Status: Complete

Completeness Report

Population estimates are as of July 1st for the specified year. Data will be updated annually.

Data Processing Description

2000-2016 Population Estimates: The 2000-2016 population estimates by age, sex and bridged race were aggregated from the [bridged, single-race estimates](#) released by the National Center for Health Statistics (NCHS) in June 2016.

About single-race estimates: Race information provided in the U.S. Census Bureau *Summary File 1: 2010 Census of Population and Housing* was collected differently than for the 1990 Census. That is, in the 2010 Census respondents could classify themselves as being of more than one race. As a result, race counts by the Census Bureau are not mutually exclusive. The National Center for Health Statistics and many other federal and non-federal organizations throughout the country still use forms that capture racial information in single, mutually exclusive categories. NCHS entered into an agreement with the Census Bureau to convert the Census Bureau's multiple-race resident population counts to single-race

estimates. For more information on the methodologies used to develop these estimates visit: the [National Vital Statistics System, U.S. Census Populations With Bridged Race Categories](#).

2011-2016 Detroit City Population: The 2010 age-race proportions from the US Census were applied to 2011-2016 NCHS Wayne county bridged race populations to estimate the population for Detroit City and Wayne County Health Department. Alternate estimates of Wayne County and Detroit City may be found at [Southeast Michigan Council of Governments \(SEMCOG\)](#).

Access Constraints

There are no access constraints for data available through the Michigan Environmental Public Health Tracking program public portal.

Use Constraints

It is recommended that all users read and fully comprehend the metadata prior to data use. Efforts have been made to assure the accuracy of the data. MDHHS specifically disclaims responsibility for any analyses, interpretations, or conclusions made by those who access this information.

Data users are prohibited from attempting to learn the identity of any person included in the data and from linking these data with any other data for the purpose of matching records to identify individuals or entities (such as hospitals).

Limitations:

- These data are estimates of the total population based on a sample of individuals. Individual risk factors are not accounted for in these data.
- The goal of race-bridging is to correctly determine the size of the single-race groups, not to correctly determine how each individual would have reported his or her race under a single-race system.
- Geographic boundaries change over time.
- The U.S. census is only performed once every ten years. In between those years, the Census Bureau's Population Estimates Program (PEP) calculates an estimated population change based on current data from births, deaths, and migration.
- Population estimates are subject to error due to the limitations of available data and demographic methodologies. The average level of error of these estimates is greater for geographies with fewer people, especially when broken down by age, gender, and race.

Security Handling Description

If data are distributed, the use constraints specified in this metadata apply to all recipients of the data.

Distribution Liability

The Michigan Public Health Tracking Network is maintained, managed, and operated by the Division of Environmental Health (DEH) within MDHHS. In preparation of these data, every effort

has been made to offer the most current, correct, complete, and clearly expressed information possible. Nevertheless, some errors in the data may exist. In particular, MDHHS disclaims any responsibility for source data, compilation and typographical errors and accuracy of the information that may be contained in these data.

These data do not represent the official legal version of source documents or data used to compile these data. MDHHS further reserves the right to make changes to this data at any time without notice.

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If errors or otherwise inappropriate information is brought to our attention, a reasonable effort will be made to fix or remove it. Such concerns should be addressed to the Michigan Tracking Program.

Custom Order Process

For access to national and multi-state unrestricted or public use data, please see:
<http://ephtracking.cdc.gov>

To request population data that are not available from this web site, please call (517) 335-8094 or FAX your requests to (517) 335-8711. Requests can also be E-mailed to ahmedf@Michigan.gov.

Written requests should be sent to:

Fawzia Ahmed, Statistician
Division for Vital Records and Health Statistics
Michigan Department of Health and Human Services
333 S. Grand Ave.
Lansing MI, 48933

For access to restricted or secure data, please contact the Michigan Tracking Program.

Contact Information

Michigan Department of Health and Human Services
Division of Environmental Health
P.O. Box 30195
Lansing, MI 48913
PHONE: (800) 648-6942
MDHHS-MiTracking@michigan.gov