

MICHIGAN HOUSING DATA: YEAR STRUCTURE BUILT

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Abstract

The Michigan Environmental Public Health Tracking Program (MiTracking) has created a dataset that includes age of housing for 2010 and 2020. Data are aggregated into two time periods: housing units built before the year 1950 and before 1980, and by county (City of Detroit is separated from Wayne County). Data are also aggregated by Local Health Department (LHD) which presents county-level data associated with each LHD.

The dataset includes the following measures:

- Number of housing units built before 1950.
- Percent of housing units built before 1950.
- Number of housing units built before 1980.
- Percent of housing units built before 1980.

This dataset is updated when decennial Census data are made available.

All users are recommended to read and fully comprehend the metadata prior to data use. To access these data, visit the [MiTracking data portal](#).

Purpose

Young children are particularly vulnerable to lead exposure.¹ Two common sources of lead are deteriorating lead paint in homes built before 1978 and drinking water that is delivered to homes through lead service lines, faucets, and plumbing fixtures.

The federal government banned lead-based paint in 1978 and established safe drinking water standards in 1974.² Living in a housing unit built before 1980 significantly increases children's risk of exposure to lead.¹ Knowing the number and percent of housing units within a geographic area (for example, a county) that were built before a certain time period (for example, 1980) can help inform public health preventive strategies.

Supplemental Information

Data were downloaded from the 2010 and 2020 5-Year American Community Survey, Table B25034 'Year Structure Built', from the U.S. Census.³

Keywords

Lead Exposure Risk, Environmental Exposure, Housing Stock, Built-Pre1950, Built-Pre1980, Year Structure Built

Bounding Coordinates

Geographically, all cases in this dataset occurred for residents of the State of Michigan. This means that all cases were residents within the latitude/longitude coordinates listed below.

West Bounding Coordinate: -90.41813399999995

East Bounding Coordinate: -82.418394000000006

North Bounding Coordinate: 48.189534000000002

South Bounding Coordinate: 41.696088000000003

Other Information on Data

Level of Geographic Detail: Statewide, County, LHD

Current Reference (when data were last updated): 08/08/2023

Frequency at which the data are updated: Decennially

Data Status: Complete

Completeness Report

This report is complete, and no data are missing.

Data Processing Description

Data Source: [Census.gov](https://www.census.gov)

Data Calculations:

- Number of housing units built before 1950 = Number of housing units built before 1939 + Number of housing units built between 1940 and 1949.
- Percent of housing units built before 1950 = (Number of housing units built before 1950/Total Number of Housing Units (in 2010 or 2020)) *100.
- Number of housing units built before 1980 = Number of housing units built before 1939 + Number of housing units built between 1940 and 1949 + Number of housing units built between 1950 and 1959 + Number of housing units built between 1960 and 1969 + Number of housing units built between 1970 and 1979.
- Percent of housing units built before 1980 = (Number of housing units built before 1980/Total Number of Housing Units (in 2010 or 2020)) *100.

Access Constraints

There are no access constraints for data available through the MiTracking program public portal. No data has been restricted and is publicly available via the U.S. Census Bureau.

Use Constraints

It is recommended that all users read and fully comprehend the metadata prior to data use. Efforts have been made to ensure the accuracy of the data. These data are supplied by the Lead and Other Hazards Unit to the MiTracking program for the purposes of compiling, integrating, and disseminating environmental hazard, exposure, and health effects data. Michigan Department of Health and Human Services (MDHHS) specifically disclaims responsibility for any analyses, interpretations, or conclusions made by those who access this information.

These data remain the property of the U.S. Census Bureau. They cannot be used for commercial purposes and shall not be used to engage in any method, act, or practice which constitutes the solicitation or advertisement of goods, services, or real estate to Michigan consumers.

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.

Data Limitations:

- County-level data are the sum of data collected from smaller geographic areas and therefore, county-level risk for lead poisoning may not be consistent within each city and township across a county.
- Housing data from the Census does not account for houses which have been renovated or have had lead removed.
- These measures do not account for other lead sources in the community.
- Children may be exposed to lead paint in neighboring counties (visiting family, day care, etc.).

Security Handling Description

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

Distribution Liability

The MiTracking 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 these 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 MiTracking Program.

Custom Order Process

Not applicable for these data.

Contact Information

Michigan Department of Health and Human Services
Division of Environmental Health - MiTracking
P.O. Box 30195
Lansing, MI 48909
PHONE: **1-800-648-6942**
MDHHS-MiTracking@michigan.gov

References

1. Centers for Disease Control and Prevention (CDC). Childhood lead poisoning prevention: children. <https://www.cdc.gov/nceh/lead/prevention/children.htm>. Accessed October 3, 2023.
2. Census Reporter. Housing. <https://censusreporter.org/topics/housing/>. Accessed October 3, 2023.
3. U.S. Environmental Protection Agency (U.S. EPA). Overview of the Safe Drinking Water Act. <https://www.epa.gov/sdwa/overview-safe-drinking-water-act>. Accessed October 3, 2023.