

2011 Madison Neighborhood Indicators Data Definitions

Tabulation geography: The Neighborhood Indicators project provides data for neighborhood associations and planning districts within the City of Madison. Because many of the indicators rely on City of Madison data providers, the geographies represented here include only those areas that lie within Madison city limits. Portions of the planning district and neighborhood boundaries that lie outside the City of Madison are not included in the maps, nor are they part of the statistical tabulations presented in this report.

Source: Neighborhood association boundaries: City of Madison Planning & Development Unit, received 01/31/2012; Planning districts: City of Madison Planning & Development Unit, received 01/31/2012.

Geographic Boundary Change 2011: "Yes" signifies a 2% or greater change in the coverage area of the tabulation area boundary from the previous year. Such changes may account for some of the observed differences in indicator values.

Source: APL calculation based on tabulation geography boundary files.

Land area (acres): The land area in acres.

Source: APL calculation based on tabulation geography boundary files.

Number of housing units (Census 2000 & 2010): Estimated total housing units. The Census Bureau defines a housing unit as a house, an apartment, a mobile home or trailer, a group of rooms, or a single room occupied as separate living quarters, or if vacant, intended for occupancy as separate living quarters

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Owner Occupied Homes (Census 2000 & 2010): Estimated number of occupied housing units that are owner occupied.

Source: Census 2000 block data, APL interpolation to tabulation geography.

Total population (Census 2000 & 2010): Estimated total population.

Source: Census 2000 & 2010 block data, APL interpolation to tabulation geography.

Young Children -Age 0 to 4 (Census 2000 & 2010): Estimated number and percent of persons age four and under.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Youth Population -Age 0 to 17 (Census 2000 & 2010): Estimated number and percent of persons age 17 and under.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Senior Population -Age 65 and over (Census 2000 & 2010): Estimated number and percent of persons age 65 and over.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

White (Census 2000 & 2010): Estimated number and percent of persons in the *White alone* race category. *White alone* population shown for non-Hispanics only; Hispanic population of all races shown separately.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Black or African American (Census 2000 & 2010): Estimated number and percent of persons in the *Black or African American alone* race category. *Black or African American alone* category population shown for non-Hispanics only; Hispanic population of all races shown separately.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Asian (Census 2000 & 2010): Estimated number and percent of persons in the *Asian alone* race category. *Asian alone* population shown for non-Hispanics only; Hispanic population of all races shown separately.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Other Races or Multiracial (Census 2000 & 2010): Estimated number and percent of persons in the American Indian alone, Pacific Islander alone, Other Race alone or Two or More Races categories. Other Race or Multiracial population shown for non-Hispanics only; Hispanic population of all races shown separately.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Hispanic or Latino (Census 2000 & 2010): Estimated number and percent of the persons *of any race* who identify as Hispanic or Latino.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Total households (Census 2000 & 2010): Estimated number of households. The Census Bureau defines a household as an occupied housing unit and includes all the people who occupy that housing unit as their usual place of residence.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Family households (Census 2000 & 2010): Estimated number of families and families as a percentage of all households. The Census Bureau defines a family as two or more people who reside together and who are related by birth, marriage, or adoption.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Families with children (Census 2000 & 2010): Estimated number of families with children and families with children as a percentage of all households.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Female headed families with children (Census 2000 & 2010): Estimated number of female headed households with children

(no husband present) and female headed households with children as a percent of all households.

Source: Census 2000 & 2010 block data, APL interpolation to 2011 tabulation geography.

Madison Dwelling Units: Dwelling units contained in City of Madison property databases.

Source: City of Madison Dwelling Units: City of Madison Planning & Development Unit, SITUS database, received 07/25/2011; Madison Assessor commercial properties database, received 07/25/2011.

Campus Dwelling Units: Estimated campus dwelling units in UW and Edgewood College residential housing facilities.

Source: UW & Edgewood Campus Dwelling Units, received 10/20/2011; Bike Paths: Madison MPO, received 11/23/2011.

Community Pride Violations: Total community pride violations in 2010. Note: Community pride violations for this year are not comparable with previous years' data. Community pride violation types include a subset of Property Maintenance Violations (Exterior Housing, Graffiti, Junk/Trash/Debris, Trash Carts, and Weeds/Overgrowth) and Zoning Violations (Fences, Inoperable Vehicles, and Parking on Lawn). Violation data have various origins: complaint, survey, referred, programmed, field observation, and other. Snow and ice related violations are excluded due to weather dependent year-to-year variation.

Source: City of Madison Building Inspection Unit, received 11/03/2011.

Property Foreclosures: Total foreclosure cases in 2010 based on unique properties reported in the Consolidated Court Automation Programs case management system. Only a share of these cases go all the way through the foreclosure process to a sheriff sale. Some foreclosure actions against a property owner may actually reflect numerous properties (i.e. in the case of a landlord who owns several rental properties); these duplicate properties will not be found in the dataset. There are 137 foreclosure cases in Dane County that were not reconciled with a physical property location. Data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded at a small area geographic scale. Overall geocoding match rate for Dane County foreclosures: 98%.

Source: Dr. Russ Kashian, Fiscal and Economic Research Center - University of Wisconsin-Whitewater and Matt Kures UW-Extension Center for Community Economic Development, received 11/29/2011.

Assisted Housing Units: Housing units to which any of the following assistance categories apply: Public Housing CDA (Community Development Authority), Private Projects - Section 8 Project Subsidies, Section 8 Tenant Based Vouchers, or Section 42 Tax Credits.

Source: City of Madison Planning & Development Unit, received 09/03/2010. This indicator is updated only once every two years.

Average house value: Average assessed value (land & improvements) among single dwelling unit, owner-occupied housing units.

Source: City of Madison Planning & Development Unit, SITUS database, received 07/25/2011.

Square foot value of housing: Total housing value (land & improvements) among single dwelling, owner-occupied units divided by the total finished floor area.

Source: Dwelling Units: City of Madison Planning & Development Unit, SITUS database, received 07/25/2011.

Median year built: Median year built for dwelling units including both "single family" dwelling units and "multi-family" units.

Source: Dwelling Units: City of Madison Planning & Development Unit, SITUS database, received 07/25/2011; Madison Assessor commercial properties database, received 07/25/2011; UW & Edgewood Campus Dwelling Units, received 10/20/2011; APL proximity calculation.

Kindergarten preparedness: Number and percent of students identified as kindergarten ready through MMSD kindergarten readiness assessment; limited to students for whom data were available. Data available for 57% of MMSD students in the City of Madison.

Source: Madison Metropolitan School District, received 04/08/2011.

Parent education level: no high school diploma / G.E.D.: Number and percent of MMSD students in households in which highest level of parent educational attainment was less than a High School Diploma or G.E.D.; limited to students for which data were available. Data available for 80% of MMSD students in the City of Madison.

Source: Madison Metropolitan School District, received 04/08/2011.

Parent education level: college graduate: Number and percent of MMSD student households in which highest level of parent educational attainment was a bachelor's, graduate or professional degree; limited to students for which data were available. Data available for 81% of MMSD students in the City of Madison.

Source: Madison Metropolitan School District, received 04/08/2011.

High mobility students: Number and percent of MMSD students whose number of attendance area moves was greater than one per year in the district. Data available for 100% of MMSD students in the City of Madison.

Source: Madison Metropolitan School District, received 04/08/2011.

Economically disadvantaged lunch students: Number and percent of MMSD students identified by the district as economically disadvantaged. Data available for 100% of MMSD students in the City of Madison.

Source: Madison Metropolitan School District, received 04/08/2011.

Infant health: term or near term: Number and percent of all 2007-2009 births occurring after the complete 32nd week of gestation. Data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall match rate for Dane County birth data: 98%.

Source: Public Health Madison & Dane County; Wisconsin Department of Health Services, received 10/17/2011.

Maternal health: appropriate care: Number and percent of all 2007-2009 births receiving prenatal care that began by the end of the 4th month of gestation and received 80% or more of the American College of Obstetricians and Gynecologists recommended visits. Data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall match rate for Dane County birth data: 98%.

Source: Public Health Madison & Dane County; Wisconsin Department of Health Services, received 10/17/2011.

Registered voter turn-out: Not available as a 2011 indicator.

Youth opportunity index: This indicator considers community centers, schools, libraries, and religious institutions as potential sites for youth involvement. This index score represents a weighted average count of youth opportunities within 1/4 mile of each neighborhood dwelling unit. Community centers were given a weight of 3; libraries 2; schools 1 if they had a before or after school program and 2 if they had both; and religious organizations 1. To produce the weighted average opportunity score, the aggregate of weighted "opportunities" for all neighborhood dwellings was divided by the total number of neighborhood dwellings.

Source: Dwelling Units: City of Madison Planning & Development Unit, SITUS database, received 07/25/2011; Madison Assessor commercial properties database, received 07/25/2011; UW & Edgewood Campus Dwelling Units, received 10/20/2011; Community Centers: City of Madison Planning & Development Unit, received 09/09/2011; Libraries & Religious Organizations: InfoUSA data from ArcGIS Business Analyst, 11/30/2011; School Locations: Madison Metropolitan School District, received 09/21/09; School Program Info: MMSD website 10/11/2011; APL proximity calculation.

Median Household Income (2006-2010): Estimated median household income.

Source: 2010 American Community Survey, 5-Year Block Group Estimates, APL interpolation to 2011 tabulation geography.

Families in Poverty (2006-2010): Estimated number and percent of families in poverty.

Source: 2010 American Community Survey, 5-Year Block Group Estimates, APL interpolation to 2011 tabulation geography.

Families receiving income qualifying assistance (available only for 2010 and earlier): Number of families with one or more minor children who received Medical Assistance, Food Stamps and/or W-2 benefits in October 2010. Data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Families whose address of record was the Dane County Job Center are included only in the citywide tabulation.

Source: Dane County Department of Human Services, based on the Wisconsin Department of Children and Families (formerly Health and Family Services) CARES Extract, received 10/21/2010; geocoded by APL.

Basic goods & services: Basic goods and services found within ¼ mile of tabulation geography. The presence of businesses is denoted with the corresponding letter: Hospital (H), Pharmacy (P), Credit Union or Bank (B), Grocery Store (G), and Childcare Provider (C).

Source: InfoUSA data from ArcGIS Business Analyst, 11/30/2011; APL proximity calculation.

Crimes against persons: Total crimes against persons in 2010 (such as robbery, battery, sexual assault). Data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall geocoding match rate for crimes against persons: 94%.

Source: 2010 Incidents Records from Madison Police Department, received 12/13/2011; geocoded by MPD & APL.

Crimes against property: Total crimes against property in 2010 (such as residential burglary, retail burglary, auto theft). Data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall geocoding match rate for crimes against property: 98%.

Source: 2010 Incidents Records from Madison Police Department, received 12/13/2011; geocoded by MPD & APL.

Crimes against society: Total crimes against society in 2010 (such as disturbances, liquor violations, and drug incidents). Data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall geocoding match rate for crimes against society: 90%.

Source: 2010 Incidents Records from Madison Police Department, received 12/13/2011; geocoded by MPD & APL.

Crashes: Total automobile crashes in 2010. Data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall geocoding match rate for crashes: 47%.

Source: 2010 Incidents Records from Madison Police Department, received 12/13/2011; geocoded by MPD & APL.

Calls for EMS/Fire service: Total calls for emergency medical service and fire service in 2010. Data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Madison citywide total reflects data responses inside City of Madison boundaries. Overall match rate for EMS/Fire calls: 98%.

Source: Madison Fire Department, received 04/11/2011; geocoded by APL.

Transit stop access: Percent of land area that lies within 1/4 mile of a regularly scheduled transit stop. Does not include transit stops served less than twelve months per year.

Source: City of Madison - Metro Transit, 10/11/2011 ; APL land area calculation based on tabulation geography boundary file.

Available transit service: Total number of regularly scheduled transit trips that would permit a passenger boarding, using any of the transit stop locations that are within or adjacent the area, summarized over the course of a typical seven-day week (Monday-Sunday). Rate shown as total trips available in area divided by dwelling units in area.

Source: City of Madison - Metro Transit, received 10/11/2011; Dwelling Units: City of Madison Planning & Development Unit, SITUS database, received 07/25/2011; Madison Assessor commercial properties database, received 07/25/2011; UW & Edgewood Campus Dwelling Units, received 10/20/2011; APL proximity calculation.

Households with Access to a Vehicle (2006-2010): Number and percent of households with access to a private vehicle at home.

Source: 2010 American Community Survey, 5-Year Block Group Estimates, APL interpolation to 2011 tabulation geography.

Bike path access: Number and percent of dwelling units that fall within 1/2 mile of a bike path.

Source: Dwelling Units: City of Madison Planning & Development Unit, SITUS database, received 07/25/2011; Madison Assessor commercial properties database, received 07/25/2011; UW & Edgewood Campus Dwelling Units, received 10/20/2011; Bike Paths: Madison MPO, received 11/23/2011; APL proximity calculation (new bike path and DU sourced this year).

Pavement condition: Average condition rating of City of Madison maintained street segments within or immediately adjacent to tabulation area. Scoring is based on UW PASER rating system where 10 is the best condition.

Source: City of Madison Engineering Division, received 12/09/2011; APL summary calculation.

Average residential water use (available for 2010 and earlier): Average daily water use; 2005 through 2009. Measured in gallons per day per dwelling unit including single (RE) and multi-family (MF) accounts. Dwelling units counts used for averaging are from 2010, therefore areas with recent increases in dwelling units will have downwardly biased usage figures.

Source: Madison Water Utility, received 11/01/2010; Dwelling Units: City of Madison Planning & Development Unit, SITUS database, received 05/26/2010 & Madison Assessor commercial properties database, received 05/26/2010.

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