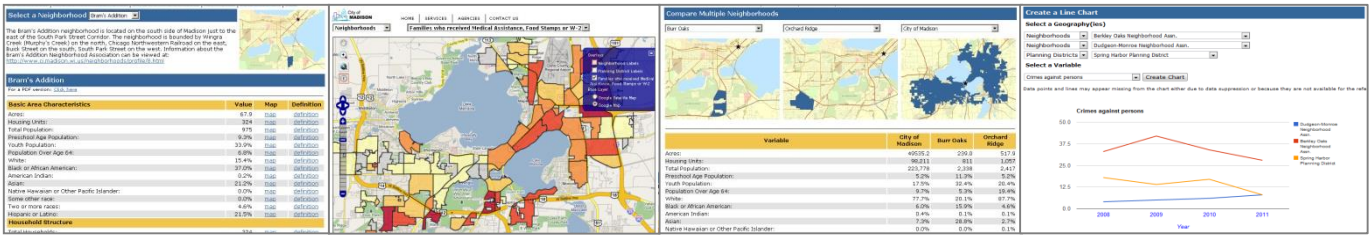
Madison Neighborhood Indicators Report, 2015 ed.



April, 27 2016
Prepared by:
The University of Wisconsin
Applied Population Laboratory

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About Madison Neighborhood Indicators

The Madison Neighborhood Indicators project seeks to quantify the diverse and changing social conditions in Madison neighborhoods. The project staff works to provide up-to-date measures each year, bringing together data from a variety of sources and compiling them into a suite of variables used to generate neighborhood-level reports. It is our hope that these data will afford insight into Madison's varied social landscape, helping to identify and highlight neighborhoods' assets as well as their needs.

The Indicators project is also an attempt to "democratize," or make readily available, data that already exist in some form but might otherwise remain difficult to use and access. Developments in mapping technology and electronic record-keeping have made it possible to evaluate and monitor conditions on a temporal and geographic scale that is relevant to residents, organizers and planners. These measures are not intended to substitute for the lived experience of neighborhood residents, but nonetheless, provide a means of quantifying a number of neighborhood attributes that data users regard as important when making comparisons.

Longtime Madison Alder Tim Bruer first proposed the development of a neighborhood indicators system in 2007. With the support of the Mayor's office and the City Council, a 2008 pilot study provided sample data for five Madison neighborhoods as a test of the feasibility and utility of a broader citywide undertaking that would include Madison Planning Districts, Neighborhood Associations and other tabulation areas. Full scale implementation began in 2008, and since then city advisors have managed the project's implementation in collaboration with the University of Wisconsin Applied Population Laboratory (APL).

The project's development has been an iterative process wherein the project staff consulted with data managers, area specialists, residents, and external entities. The thrust of the effort has been to develop indicators that were in-line with the expressed needs of data users, while being consistently available at the requisite temporal and spatial scale. The Neighborhood Indicators project remains a work in progress. As we move forward, the steering group continues its effort to refine the acquisition, presentation, and distribution of neighborhood level data and to improve the overall quality and utility of indicator data. This *2015 Madison Neighborhood Indicators* report, the neighborhood summary reports, and the website referred to herein are available for public consideration, and the project steering group welcomes your feedback.

For more information about the Applied Population Lab,
please visit: http://www.apl.wisc.edu/

2015 Executive Summary

The summary below offers a brief sketch of some recent changes at the city level but only begins to touch on the breadth of temporal and spatial variation across eight years of data for the city's 159 primary tabulation areas. Because the project's aim is to provide localized information about Neighborhood Association (NA) and Planning District (PD) geographies, users are encouraged to explore the differences across the city and over time by accessing the web-based tools.

Developments:

- This year's tabulation geographies include one new Neighborhood Association (NA) on the southeast side: *Secret Places Neighborhood Association*
- The data sources and tabulation methods include several changes this year: First, Madison Metro School District data on *High Mobility Student* were tabulated using a different method than in previous years (elimination of earlier double counts resulted in lower percentages of high mobility student percentages). Second, reclassification of existing bike network segments produced changes in some measures of *Bike Network Access.* And third, current year *Transit* data include some UW routes that were excluded prior to 2015. More details are provided about the current tabulation methods in the 2015 Data Definitions.

Basic Area and Population Data:

- To view demographic variation across Madison, please refer to the descriptive statistics in Appendix A and the maps in Appendix C. The demographics section includes Census 2000 and 2010 population counts and percentages that were cross-tabulated by age, race/ethnicity, and household composition.

Community Action and Involvement:

- Voter turnout is tabulated only for the indicator years following a presidential election.

Housing Quality and Availability:

- Total number of *Community Pride Violations* continued to decrease significantly across the City from a total of 3,072 in 2013 to 2,734 in 2014. The Greentree and Emerson-Eken Planning Districts had the highest pride violation counts.
- *Foreclosures* continued their steep decline in Madison from a count of 357 in 2013 to a count of 214 in 2014. The Planning Districts with the highest *Foreclosure* counts were on the north and northeast sides of Madison.
- *Assisted Housing Units* were unevenly dispersed throughout the city, and the ten PDs with the most units account for over 55% of the city's total 6,416 units. Eight districts had no units with assistance. The *Assisted Housing* source data were not updated this year, so the 2015 indicator tallies show totals as of early 2013.
- Average assessed value of single family owner occupied housing units increased by over $8,300 for the city as a whole. Four west side PDs had mean values over $400,000. The number of districts with mean values of under $200,000 declined from 22 to 16 in 2015.

Public Safety:

- Citywide, *Crimes Against Persons* counts saw a steep, 31%, decline in 2014. *Crimes Against Property and Society* also saw declines of 8% each in 2014. Distributional differences in each of the three crime incident categories can be discerned from the maps in Appendix C. Differences between PD counts are dependent in part on geocoding accuracy (See *Data Quality* below).
- The citywide total number of automobile crashes increased slightly (just under 1%) in 2014. Observed changes in counts at the PD and NA levels should be interpreted with caution, because crashes had especially poor geocoding success rates at the address level (38%).
- *Calls for EMS/Fire Service* increased by 3% to a total of 26,028 in 2014.

Health and Family Well Being:

- The citywide *Kindergarten Preparedness* measure remained steady at just over 85%.
- The share of Madison Metropolitan School District (MMSD) students in households with parents who had less than a high school diploma remained at just over 6%. The share of students who had a parent with a college degree also stayed relatively constant at just over 52%. Year to year differences in these data items should be interpreted with care as they are not reported for all students.
- Just under 7% of students were counted as *High Mobility* in 2015. A change in the tabulation method for this measure means these rates are not comparable with previous years' figures.
- Citywide, the percentage of MMSD students who were *Economically Disadvantaged* increased by one percentage point to just over 47%. The number of PDs with over 75% of MMSD students identified as *Economically Disadvantaged* remained stable at 9.
- Citywide, the rate for *Full or Near Term Births* for the 2011-13 period remained stable at 98.2%.
- For the 2011-2013 period, the percentage of births classified as having had *Appropriate Care* was 92% citywide, a decrease of just over 1 percentage points compared with the 2010-12 period.

Economic Vitality Indicators:

- The American Community Survey (ACS) continues to provide annually updated estimates, however for small population areas these yearly updates are limited to averages over a 5-year span. This year's ACS estimates come from the 2010-2014 surveys. The geographic scale and measurement error associated with these estimates makes them less-than-ideal for tracking neighborhood economic conditions. Still, they provide an informed estimate of some difficult-to-track conditions, so we have opted to include them among the other indicators.
- *Median Household Income* citywide was just over $53,900 according to 5-year ACS estimates from 2014. Estimated median incomes for PDs ranged from under $20,000 in student residential areas near campus to over $100,000 in some west side Planning Districts.

- According to 5-year ACS estimate of 2014, there were 4,914 *Families in Poverty* citywide. The estimated family poverty rate was just under 10%. Family poverty rates were highest in largely student districts, but the Marlborough PD also had an estimated rate of over 40%.
- Planning Districts' *Unemployment* rate estimates ranged from less than 1% to 14%. The number of PDs with unemployment estimates of 10% or greater decreased from 12 to 6.
- Of the 62 PDs, 15 had fewer than 3 out of 5 basic goods and services (Hospitals, Pharmacies, Banking, Groceries, and Childcare) within a ¼ mile of the PD boundary.

Transportation Indicators:

- The share of a neighborhoods' land area within ¼ mile of a bus stop, referred to as *Transit Stop Access*, ranged from below 10% in some far west Planning Districts to over 90% in more central PDs. *Available Transit Service*, which reflects the number of bus trips to an area, shows a concentration of services in PDs nearer to downtown. Citywide there were a total of 13,003 trips per week. This year's tally includes some previously excluded UW routes, which may account for some increase in *Transit Service* scores.
- According to the 2014 5-year ACS data, 3 PDs on the near west isthmus had *Household Vehicle Access* rates below 80%.
- The *Bike Network Access* for dwelling units citywide was 77%. This rate is not comparable with previous years' figures due to a change in classification of some network segments. *Bike Access* rates were over 75% for 33 PDs. There were ten PDs on the most peripheral east, west, and north sides that had access rates of less than 10%.
- Average *Pavement Condition* ratings ranged from 4.1 to 8.6 among PDs. The citywide average remained stable at 6.6.

Corrections and Updates:

The *Neighborhood Indicator* system is a work in progress. To ensure the indicators we include are comparable over time we aim to use consistent sources and methodologies whenever possible. However, at times we have identified ways to make our indicator tabulations more accurate and reliable. The *Definitions* link on the website provides users with information about sourcing and methodology changes when they do occur.

Methodology

To be considered for inclusion in the project, potential indicators needed to be obtainable on an annual basis and available for small geographic units. The steering group assembled a suite of variables that met these criteria and while serving the needs expressed by users. Most of the items were obtained locally, through government and other institutional providers. The remainder came from third party data sources, most significantly from the 2000 and 2010 Decennial Censuses and the American Community Survey; two widely used sources for small area demographic and economic data. While less current than some local data, these Federal data provide a useful demographic context to annually updated indicator data. Brief descriptions and source information for each item are provided in Appendix B.

Tabulation Geographies

The Neighborhood Indicators project provides data for Madison Planning Districts (PDs) and Neighborhood Associations (NAs) with estimated population and dwelling unit counts of 100 or greater each and a minimum area of 20 acres. Indicator data for areas under the size threshold are suppressed due to a combination of concerns related to residents' privacy and small area rate instability.

Most of the geographies presented in this report are consistent with their original boundaries; however, because many of the variables rely on City of Madison data providers, the PDs and NAs were in some cases "clipped," retaining only those portions of the tabulation geographies that lay within Madison city limits. Additional adjustments to the NA boundaries included removal of NAs that were nested within larger associations.

Whenever possible, the project relies on data from city and local agencies that are able to provide it at a very fine grain geographic detail. In many cases the indices provided here are neighborhood-level summaries of address, parcel, or dwelling unit data. When address-based data were unavailable, as was the case with several of the age, race, household structure, and economic variables, APL derived PD and NA area estimates based on the 2010 Census and American Community Survey estimates at Census block and block group geographic scales. Because Census geographies do not generally correspond to neighborhood boundaries, APL interpolated these estimates to the neighborhood geographies using area and population weights derived from the Census 2010 population.

The use of local PD and NA boundaries in lieu of more standard statistical geographies, such as zip codes or census tracts, poses numerous challenges. Despite these challenges, the project team concluded that the potential benefits of having finer grain data for more socially relevant geographic units justified the additional effort this required. The Madison indicators remains one of the only systems in the country where users can access data for neighborhood associations' self-defined geographic extent.

Neighborhood Comparisons

Because neighborhoods vary considerably in terms of their size, population, and other characteristics, users should be cautious when drawing comparisons across neighborhoods, especially with those indicators that have not been "normalized" as rates or percentages.

In cases where the appropriate "base" from which to calculate a rate or percentage is not self-evident, the reports show only counts. *Community Pride Violations* and *Crime Incidents* are examples of items shown only as counts. Depending on their needs, users might deem it appropriate to calculate a rate for these occurrences using counts per person, per dwelling unit, per acre, etc., each of which would produce a different result. In the case of these indicator items, the exclusion of rates from the report requires users to make an often-times complex and application-specific determination about the appropriate base from which to derive rates.

Data Quality

A degree of error is inherent in each of the tabulation methods employed. For this reason, users should treat the data provided as estimates. Three important sources of error are worth mentioning specifically:

- First, *geocoding error* occurs in the address data when they cannot be matched to an address on the map or when address matching systems position them inaccurately. In the *Crimes Against Society* data reported here, for instance, the geocoding match rate was 90%, meaning 10% of Madison incidents could not be matched with confidence to a discrete geographic location and are not reflected in the NA and PD level reports.
- A second significant source of error is *non-response bias*. An example of this is non-response to Madison Metropolitan School District (MMSD) surveys on parent educational attainment. As a result there is some degree of uncertainty in the MMSD household data provided for the educational attainment measures.
- The third noteworthy source of uncertainty is *sampling error*, which applies to the indicators derived from American Community Survey estimates. Although these items are similar to many of the demographic and housing estimates previously tallied in the Decennial Census long form, they are based on smaller sample size and thus do not provide the same degree of reliability. The geographic interpolation of those estimates from block group scale to neighborhood scale based on Census 2010 population weights, noted above, introduces an additional source of uncertainty.

Together, these limitations necessitate caution in the interpretation of some indicators; however, the project staff have conscientiously endeavored to provide the most reliable estimates possible in each instance.

Data Corrections and Versioning

In eight years of data production we have found ways to make our indicator tabulations more accurate and reliable. In order to improve the validity of the figures and maximize their year to year comparability, the neighborhood indicators steering group has elected to revise previously published counts whenever it is warranted and feasible. Although the previously released static documents (pdfs) may not always reflect these changes, the online system will include the most up-to-date figures available. Notes regarding these revisions and year to year inconsistencies will appear on the "definitions" link of the website.

Data Dissemination

This report serves as the project overview and provides a link to a citywide summary of all individual PDs and NAs; the website, however, is intended to serve as the principal means by which users access indicator data. In addition to an Adobe pdf version of this report, the website also serves as a source for individual print-ready profiles in pdf format. More importantly, the site provides tools for tabular data comparisons, time-series graphing, and mapping of neighborhood characteristics.

The *Compare* tool allows users to make comparisons in the tabular data across time or across geographies. The *Chart* tool is designed to display changes over time among up to three neighborhood geographies. The *Map* tool allows users to view neighborhood characteristics in the context of other neighborhoods as well as other geophysical attributes of interest, such as roads, lakes, and parks.

APL works to optimize the network, server, and software configurations for the system on an ongoing basis. Consequently, users may encounter delays and glitches as they interact with the system, particularly during periods of high volume web traffic. The APL staff appreciates feedback about technical problems and general functionality of the site. Comments should be directed to apl_feedback@dces.wisc.edu.

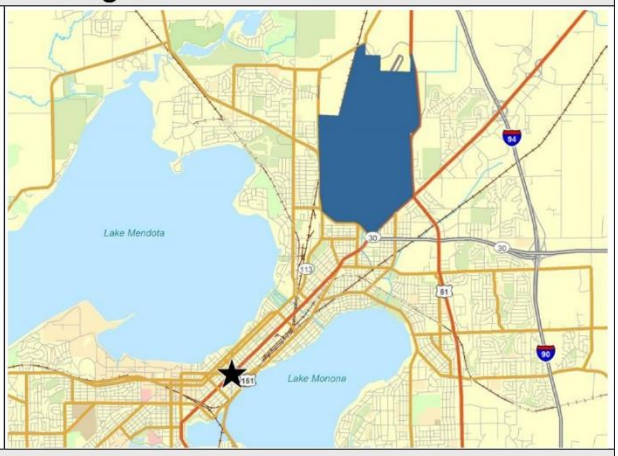
NI Reporting Tools:

PDF Profile Sample

Madison Neighborhood Indicators 2015

Truax Field Planning District

Madison Planning Districts:
Planning districts are delineated by the City of Madison Planning and Development Office. They are designed to provide data at a useful scale with full coverage of the city. Their boundaries were originally derived from census tract boundaries and they generally include portions of several neighborhoods and alder districts.



Total Area: 2,350 Acres
Boundary change from previous year: No

Note: Any areas of a neighborhood boundary that lie outside the City of Madison are not included in the map or the table below.

The Madison Neighborhood Indicators project seeks to quantify the diverse and changing social conditions in Madison neighborhoods. The project staff has endeavored to provide up to date measures each year, bringing together data from a variety of sources and compiling them into a suite of variables used to generate neighborhood level profile reports.

To provide a demographic context to the year-to-year indicator data, a population profile sourced from U.S. decennial censuses of 2000 and 2010 is shown directly below. The annually updated indicators are shown on page two of the profile. Definitions for Census and 2015 indicator items can be found on pages three through six.

DEMOGRAPHIC PROFILE	Planning District				City of Madison	
	Census 2000		Census 2010		Census 2010	
	Number	Percent or Rate	Number	Percent or Rate	Number	Percent or Rate
Number of Housing Units	990	n/a	953	n/a	108,570	n/a
Owner Occupied Units	469	52.7%	464	52.9%	50,399	49.3%
Total Population	1,727	n/a	1,724	n/a	232,687	n/a
Age						
Young Children (Age 0 to 4)	147	8.5%	127	7.4%	13,536	5.8%
Youth Population (Age 0 to 17)	367	21.3%	348	20.2%	40,654	17.5%
Senior Population (Age 65 and Over)	204	11.8%	170	9.8%	22,337	9.6%
Race and Ethnicity						
White	1,233	71.4%	1,053	61.1%	176,015	75.6%
Black or African American	266	15.4%	249	14.4%	16,520	7.1%
Asian	65	3.8%	117	6.8%	17,048	7.3%
Other Races or Multiracial	65	3.8%	89	5.2%	7,159	3.1%
Hispanic or Latino	98	5.7%	216	12.5%	15,945	6.9%
Household Structure						
Total Households	890	n/a	877	n/a	102,265	n/a
Family Households	389	43.7%	363	41.5%	47,721	46.7%
Families with Children	199	22.3%	183	20.9%	21,322	20.8%
Female Headed Families with Children	121	13.6%	105	12.0%	5,403	5.3%

Annual reports, interactive maps, and neighborhood comparison tools are available online:
www.cityofmadison.com/ni

PDF Profile Sample (Continued)

INDICATORS	Neighborhood				City of Madison	
	2014		2015		2015	
	Number	Percent or Rate	Number	Percent or Rate	Number	Percent or Rate
HOUSING CHARACTERISTICS						
Madison Dwelling Units	520	n/a	521	n/a	110,119	n/a
Campus Dwelling Units	0	n/a	0	n/a	5,108	n/a
Community Pride Violations	30	n/a	36	n/a	2,734	n/a
Property Foreclosures	2	n/a	1	n/a	214	n/a
Assisted Housing Units	180	n/a	180	n/a	6,416	n/a
Average House Value	$143,409	n/a	$144,876	n/a	$248,621	n/a
Square Foot Value of Housing	$104	n/a	$105	n/a	$131	n/a
Median Year Built	1964	n/a	1985	n/a	1972	n/a
HEALTH & FAMILY WELL-BEING						
Kindergarten Preparedness [1,2,3]	58	65.2%	64	70.3%	4,667	85.2%
Parent Education Level: No High School Diploma/G.E.D. [1]	36	14.5%	38	15.0%	1,308	6.1%
Parent Education Level: College Graduate [1]	20	8.0%	23	9.1%	11,237	52.3%
High Mobility Students [1,2]	50	20.2%	20	9.5%	1,151	6.6%
Economically Disadvantaged Students [1]	256	86.8%	255	87.0%	11,156	47.2%
Infant Health: Term or Near Term Births [3]	Spr*	Spr*	Spr*	Spr*	8,735	98.2%
Maternal Health: Appropriate Care [3]	79	87.8%	58	86.6%	7,280	91.9%
COMMUNITY ACTION & INVOLVEMENT						
Registered Voter Turn-Out			n/a	n/a	n/a	n/a
ECONOMIC VITALITY						
Median Household Income [3]	$29,703	n/a	$35,410	n/a	$53,933	n/a
Families in Poverty [3]	130	37.9%	108	29.6%	4,914	9.8%
Unemployment [3]	113	11.6%	96	9.0%	8,511	5.8%
Basic Goods & Svcs (Hospital, Pharmacy, Bank/CU, Grocery, Childcare)	P,B,G,C	n/a	P,B,G,C	n/a	H,P,B,G,C	n/a
PUBLIC SAFETY INDICATORS						
Crimes Against Persons	24	n/a	24	n/a	1,221	n/a
Crimes Against Property	214	n/a	156	n/a	8,816	n/a
Crimes Against Society	121	n/a	95	n/a	8,777	n/a
Crashes	86	n/a	79	n/a	10,993	n/a
Calls for EMS/Fire Service [2]	564	n/a	657	n/a	26,028	n/a
TRANSPORTATION						
Transit Stop Access	n/a	49.7%	n/a	49.7%	n/a	64.2%
Available Transit Service	1,558	3.0	1,558	2.99	13,003	0.11
Households with Access to a Vehicle [3]	718	88.9%	727	89.6%	90,221	87.4%
Bike Network Access [2]	506	97.3%	507	97.3%	88,208	76.6%
Pavement Condition	6.8	n/a	6.2	n/a	6.6	n/a

Notes

Time series data: In some instances year to year variation in counts and rates will reflect changes in the variable definition, geocoding success, or neighborhood boundaries. Data definitions for previous years can be found here: http://madison.apl.wisc.edu/definitions.php

1: Student and parent education data are from the Madison Metropolitan School District and show figures for MMSD students or students' households as available; in some instances these represent only a subset of the MMSD student population. See definitions for details.

2: Current year data source and/or tabulation method differ(s) from previous year. See definitions for details.

3: Multi-year estimate. See definitions for details.

n/a: Cells containing "n/a" indicate that the rate or figure is not applicable or not available for the reference year.

spr*: Cells containing "spr*" indicate that data have been suppressed to protect confidentiality. This means there was a count of five or fewer in the category shown or five or fewer in the counterpart of the category shown, the latter being derivable from the percentage. Correspondence between some neighborhood associations and planning district geographies required suppression of these data for neighborhood geographies.

Web Profile

City of Madison

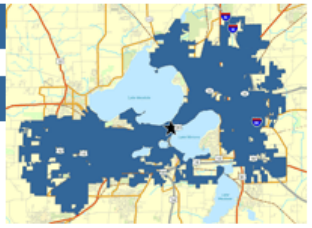
Home | Profiles | Map | Chart | Compare | Find District | PDF Reports | Definitions | Contact | Help | About

Madison Neighborhood Associations

City of Madison

Madison Planning Districts

Select a Planning District



City of Madison

Geography	2015	Map	Chart	Definition
Acres	50,218	map	chart	definition
Boundary Change	No	n/a	n/a	definition

Demographic Profile	2000	2010	Map	Chart	Definition
Housing units	93,062	108,570	map	chart	definition
Owner occupied units	47.5%	49.3%	map	chart	definition
Total population	208,879	232,687	map	chart	definition
Age 4 and under	5.2%	5.8%	map	chart	definition
Age 17 and under	17.9%	17.5%	map	chart	definition
Age 65 and over	9.2%	9.6%	map	chart	definition
White	81.9%	75.6%	map	chart	definition
African American	5.8%	7.1%	map	chart	definition
Asian	5.8%	7.3%	map	chart	definition
Other races or multiracial	2.4%	3.1%	map	chart	definition
Hispanic/Latino (of any race)	4.1%	6.9%	map	chart	definition
Total households	89,585	102,265	map	chart	definition
Family households	42,713	47,721	map	chart	definition
Families with children	22.1%	20.8%	map	chart	definition
Female headed households with children	5.0%	5.3%	map	chart	definition

Indicators	2015	Map	Chart	Definition
Community Action and Involvement				
Registered voter turnout	n/a			definition
Housing Quality and Availability				
Madison dwelling units	110,119	map	chart	definition
Campus dwelling units	5,108	map	chart	definition
Community pride violations (2014 total)	2,734	map	chart	definition
Property foreclosures (2014 total)	214	map	chart	definition
Assisted housing units (2013)	6,416	map	chart	definition
Average house value	$248,621	map	chart	definition
Square foot value of housing	$131	map	chart	definition
Median year built	1972	map	chart	definition

(screenshot truncated)

Web Comparison

Compare Multiple Geographies and Years

2015 ▼ City of Madison	2015 ▼ Truax Field Planning District	2015 ▼ Marquette Neighborhood Assn.

Geography	City of Madison	Truax Field Planning District	Marquette Neighborhood Assn.
Acres	50,218	2,350	453
Boundary Change	No	No	No

Census 2010 Demographic Profile	City of Madison	Truax Field Planning District	Marquette Neighborhood Assn.
Housing units	108,570	953	2,627
Owner occupied units	49.3%	52.9%	37.6%
Total population	232,687	1,724	4,909
Age 4 and under	5.8%	7.4%	4.1%
Age 17 and under	17.5%	20.2%	12.8%
Age 65 and over	9.6%	9.8%	4.7%
White	75.6%	61.1%	88.8%
African American	7.1%	14.4%	3.1%
Asian	7.3%	6.8%	1.8%
Other races or multiracial	3.1%	5.2%	3.1%
Hispanic/Latino (of any race)	6.9%	12.5%	3.3%
Total households	102,265	877	2,517
Family households	47,721	363	865
Families with children	20.8%	20.9%	15.4%
Female headed households with children	5.3%	12.0%	4.5%

Indicators	City of Madison	Truax Field Planning District	Marquette Neighborhood Assn.
Community Action and Involvement			
Registered voter turnout	n/a	n/a	n/a
Housing Quality and Availability			
Madison dwelling units	110,119	521	2,695
Campus dwelling units	5,108	0	0
Community pride violations	2,734	36	96
Property foreclosures	214	1	3
Assisted housing units	6,416	180	194
Average house value	$248,621	$144,876	$334,072
Square foot value of housing	$131	$105	$204
Median year built	1972	1985	1916
Public Safety			
Crimes against persons	1,221	24	27

(screenshot truncated)

Web Charting

City of Madison

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Create a Line Chart

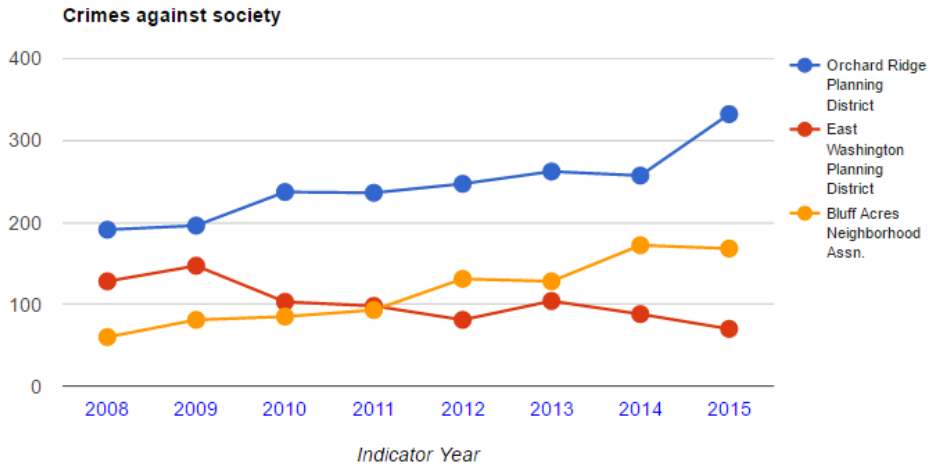
Select a Geography(ies)

Planning Districts ▾ Orchard Ridge Planning District ▾
Planning Districts ▾ East Washington Planning District ▾
Neighborhoods ▾ Bluff Acres Neighborhood Assn. ▾

Select a Variable

Crimes against society ▾

Data points and lines may appear missing from the chart either due to data suppression or because they are not available for the reference year.



2015 Definition: Total crimes against society in 2014 (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: 2014 Incidents Records from Madison Police Department, received 8/31/2015; geocoded by MPD & APL.

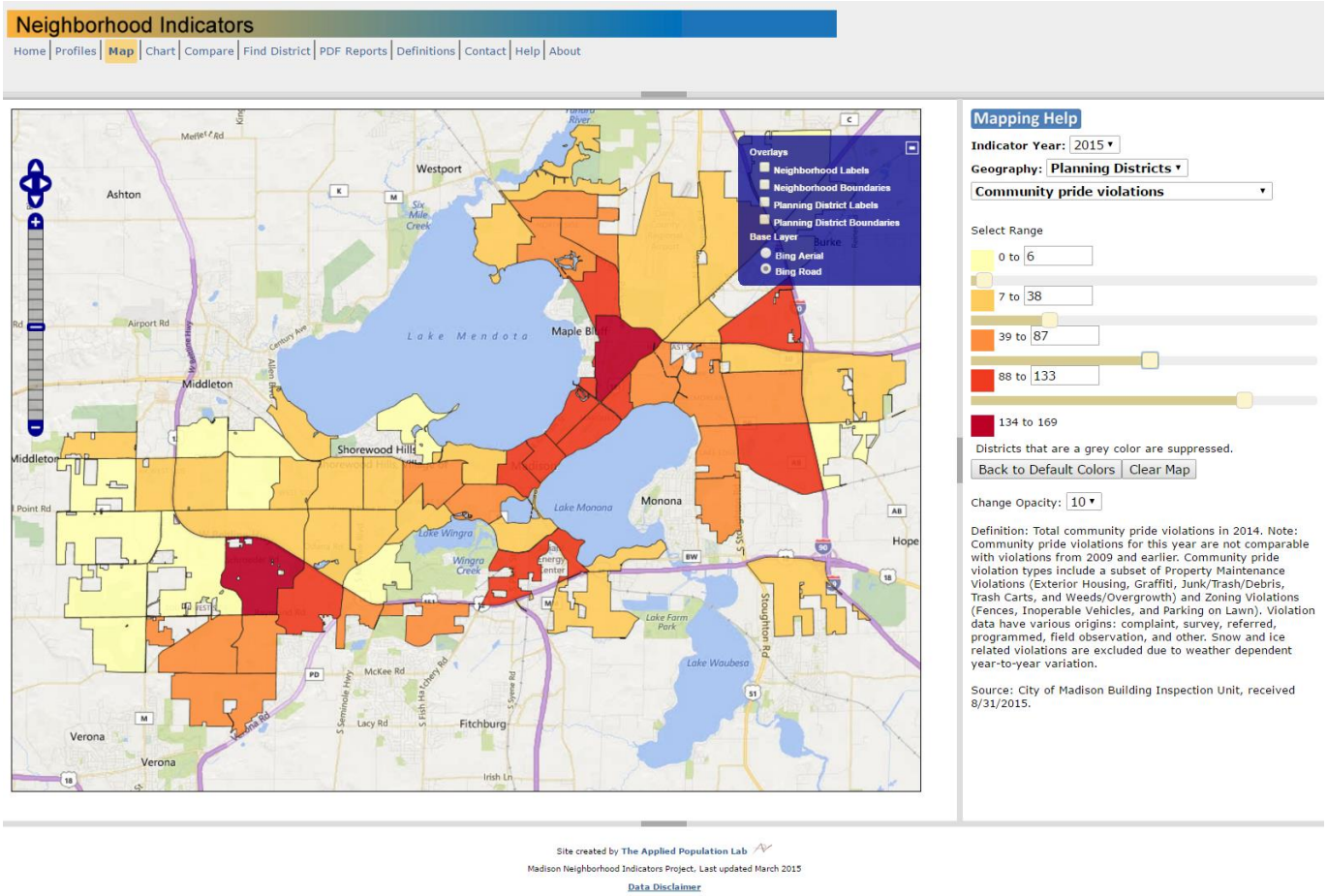
Data descriptions for prior years are available on the Definitions page.

Site created by The Applied Population Lab

Madison Neighborhood Indicators Project, Last updated March 2015

Data Disclaimer

Web Mapping


Neighborhood Indicators
Home | Profiles | Map | Chart | Compare | Find District | PDF Reports | Definitions | Contact | Help | About
Ashton
Westport
Middleton
Shorewood Hills
Lake Mendota
Maple Bluff
Lake Monona
Monona
Lake Wingra
Wingra Creek
Lake Farm Park
Lake Waubesa
Fitchburg
Verona
Hope
Overlays
Neighborhood Labels
Neighborhood Boundaries
Planning District Labels
Planning District Boundaries
Base Layer
Bing Aerial
Bing Road
Mapping Help
Indicator Year: 2015
Geography: Planning Districts
Community pride violations
Select Range
0 to 6
7 to 38
39 to 87
88 to 133
134 to 169
Districts that are a grey color are suppressed.
Back to Default Colors
Clear Map
Change Opacity: 10
Definition: Total community pride violations in 2014. Note: Community pride violations for this year are not comparable with violations from 2009 and earlier. 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 8/31/2015.
Site created by The Applied Population Lab
Madison Neighborhood Indicators Project, Last updated March 2015
Data Disclaimer

Appendix A.

Descriptive Statistics: Planning Districts

	Madison (2015 Bndry)		Planning Districts (2015 Boundaries)							
	Census 2000	Census 2010	Census 2000				Census 2010			
			Mean	Min.	Max.	Std. Dev.	Mean	Min.	Max.	Std. Dev.
Number of Housing Units	93,062	108,570	1,491	21	5,674	1,055	1,744	101	6,652	1,149
Owner Occupied Units - Number	42,565	50,399	681	9	2,000	495	810	0	2,300	500
Owner Occupied Units - Percent	47.5%	49.3%	54.3%	0.8%	98.2%	25.9%	55.0%	0.0%	97.5%	24.1%
Total Population	208,879	232,687	3,348	43	15,688	2,527	3,740	211	16,319	2,548
Age										
Preschool Age Population (Age 0 to 4) - Number	10,874	13,536	174	0	463	123	218	2	764	154
Preschool Age Population (Age 0 to 4) - Percent	5.2%	5.8%	5.6%	0.2%	15.3%	2.8%	6.3%	0.0%	13.4%	2.8%
Youth Population (Age 0 to 17) - Number	37,455	40,654	600	6	1,732	424	653	15	1,920	421
Youth Population (Age 0 to 17) - Percent	17.9%	17.5%	19.6%	0.5%	38.5%	7.3%	19.1%	0.2%	34.5%	7.3%
Population Age 65 and Over - Number	19,267	22,337	308	6	1,379	254	359	7	969	228
Population Age 65 and Over - Percent	9.2%	9.6%	11.0%	0.2%	44.4%	7.6%	11.8%	0.2%	48.6%	8.5%
Race and Ethnicity										
White - Number	171,006	176,015	2,739	43	13,338	2,166	2,829	168	13,197	2,089
White - Percent	81.9%	75.6%	83.5%	27.8%	100.0%	13.8%	75.6%	24.1%	94.6%	14.4%
Black or African American - Number	12,124	16,520	194	0	1,233	226	265	7	1,216	254
Black or African American - Percent	5.8%	7.1%	5.6%	0.0%	33.6%	6.5%	7.2%	0.9%	33.7%	6.5%
Asian -Number	12,011	17,048	193	0	1,412	275	274	12	1,564	342
Asian - Percent	5.8%	7.3%	4.9%	0.0%	50.6%	7.0%	7.1%	0.5%	52.0%	7.3%
Other Race or Multiracial - Number	5,081	7,159	82	0	308	61	115	7	450	77
Other Race or Multiracial - Percent	2.4%	3.1%	2.3%	0.0%	6.0%	1.1%	3.1%	0.8%	6.1%	1.1%
Hispanic or Latino - Number	8,657	15,945	139	0	835	147	256	6	972	220
Hispanic or Latino - Percent	4.1%	6.9%	3.7%	0.0%	19.8%	3.0%	7.0%	1.4%	28.5%	5.8%
Household Structure										
Total Households	89,585	102,265	1,435	21	5,480	1,027	1,643	83	6,287	1,084
Family Households - Number	42,713	47,721	684	12	1,821	437	767	32	1,815	433
Family Households - Percent	47.7%	46.7%	54.4%	4.2%	83.3%	17.3%	51.4%	2.2%	77.3%	16.2%
Families with Children - Number	19,773	21,322	317	3	898	220	343	2	1,066	219
Families with Children - Percent	22.1%	20.8%	24.6%	0.3%	52.5%	10.1%	23.1%	0.1%	46.9%	9.8%
Female headed families with children - Number	4,491	5,403	72	0	191	60	87	2	277	66
Female headed families with children - Percent	5.0%	5.3%	5.2%	0.0%	20.2%	3.9%	5.8%	0.1%	21.3%	4.0%

(table continued below)

Descriptive Statistics: Planning Districts (Continued from above)

	Madison		Planning Districts							
			2014				2015			
	2014	2015	Mean	Min.	Max.	Std. Dev.	Mean	Min.	Max.	Std. Dev.
Acres	50,120	50,218	663	247	2,350	340	662	247	2,350	341
Housing Characteristics										
Madison Dwelling Units	108,526	110,119	1,747	51	6,402	1,174	1,772	51	6,730	1,197
Campus Dwelling Units	5,290	5,108	85	0	2,018	366	82	0	1,993	356
Community Pride Violations	3,072	2,734	49	0	232	47	44	0	169	43
Property Foreclosures	357	214	6	0	22	5	3	0	12	3
Assisted Housing Units	6,416	6,416	103	0	600	134	103	0	600	134
Average house value	$ 240,319	$ 248,621	$250,316	$129,700	$541,756	$ 87,610	$258,249	$128,595	$569,260	$ 91,285
Square foot value of housing	$ 127	$ 131	$ 128	$ 92	$ 201	$ 28	$ 132	$ 95	$ 208	$ 29
Median year built	1972	1972	1972	1917	2011	23	1973	1917	2014	24
Health & Family Well-Being										
Kindergarten Preparedness - Number [1,3]	4,782	4,667	77	0	246	54	75	0	235	52
Kindergarten Preparedness - Percent [1,3]	85.5%	85.2%	87.9%	65.2%	100.0%	10.4%	88.1%	61.3%	100.0%	10.6%
Parent Education Level: No H.S. Diploma/G.E.D. - Num. [1]	1,364	1,308	22	0	145	31	21	0	127	31
Parent Education Level: No H.S. Diploma/G.E.D. - Pct. [1]	6.3%	6.1%	5.4%	0.0%	23.0%	6.2%	4.9%	0.0%	22.1%	6.0%
Parent Education Level: College Graduate - Number [1]	11,407	11,237	184	0	747	155	181	0	750	153
Parent Education Level: College Graduate - Percent [1]	52.6%	52.3%	57.0%	0.0%	100.0%	27.7%	58.5%	0.0%	100.0%	28.7%
High mobility students - Number [1,2,3]	3,049	1,151	49	0	202	46	18	0	93	18
High mobility students - Percent [1,2,3]	15.0%	6.6%	13.6%	0.0%	50.0%	8.8%	6.1%	0.0%	23.8%	4.9%
Economically Disadvantaged Students - Number [1]	11,007	11,156	177	0	794	189	179	0	761	189
Economically Disadvantaged Students - Percent [1]	46.4%	47.2%	40.8%	0.0%	92.8%	27.3%	41.3%	0.0%	100.0%	27.9%
Infant Health: Term or Near Term Births - Percent [3]	98.2%	98.2%	98.4%	93.5%	100.0%	1.6%	98.5%	93.9%	100.0%	1.6%
Maternal Health: Appropriate Care - Percent [3]	93.1%	91.9%	93.4%	60.0%	100.0%	5.8%	91.9%	78.1%	100.0%	4.7%
Community Action & Involvement										
Voter Turnout (Presidential Election)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Voter Turnout as a percentage of registered voters	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Economic Vitality										
Median household income [3]	$53,464	$53,933	$61,789	$14,538	$112,956	$21,811	$61,879	$16,454	$114,895	$21,189
Families in poverty (among families) - Number [3]	4,613	4,914	72	0	367	78	78	0	287	78
Families in poverty (among families) - Percent [3]	9.3%	9.8%	10.5%	0.0%	95.6%	15.1%	10.7%	0.0%	97.8%	14.9%
Unemployment - Number [3]	9,256	8,511	148	2	834	136	136	0	753	127
Unemployment - Percent [3]	6.3	5.8	6.3	0.7	15.6	3.5	5.7	0.2	14.1	3.2
Public Safety										
Crimes against persons	1,767	1,221	24	0	151	30	18	0	127	23
Crimes against property	9,582	8,816	134	3	784	153	123	1	809	144
Crimes against society	9,474	8,777	130	2	830	167	121	0	781	159
Crashes	10,897	10,993	60	0	274	56	61	2	290	58
Calls for EMS / fire service	25,210	26,028	464	9	2,326	391	487	26	2,423	425
Transportation										
Transit Stop Access - Percent [2]	63.7%	64.2%	75.6%	0.0%	100.0%	28.1%	76.0%	0.0%	100.0%	27.8%
Available Transit Service - Trips [2]	12,468	13,003	1,473	0	7,129	1,636	1,507	0	7,468	1,682
Available Transit Service - Rate [2]	0.1	0.1	0.9	0.0	5.4	1.0	0.9	0.0	5.4	0.9
Households with access to a vehicle - Number [3]	90,051	90,221	1,445	83	3,695	810	1,451	88	3,551	807
Households with access to a vehicle - Percent [3]	87.2%	87.4%	90.4%	43.8%	100.0%	10.4%	90.5%	42.2%	100.0%	10.2%
Bike Network Access - Number [2]	92,040	88,208	1,482	0	8,034	1,381	1,420	0	8,386	1,429
Bike Network Access - Percent [2]	80.9%	76.6%	71.1%	0.0%	100.0%	35.2%	67.3%	0.0%	100.0%	37.4%
Pavement Condition	6.6	6.6	6.6	3.9	8.0	0.8	6.6	4.1	8.6	0.8

For Data Definitions visit: http://madison.apl.wisc.edu/definitions.php

[1] Student and parent education data are from the Madison Metropolitan School District and show figures for MMSD students or students' households as available; in some instances these represent only a subset of the MMSD student population. See definitions for details

[2] Current year data source and/or tabulation method differ(s) from previous year. See definitions for details.

[3] Multi-year estimate. See definitions for details.

Descriptive Statistics: Neighborhood Associations

	Madison (2015 Bndry)		Neighborhood Associations (2015 Boundaries)							
	Census 2000	Census 2010	Census 2000				Census 2010			
			Mean	Min.	Max.	Std. Dev.	Mean	Min.	Max.	Std. Dev.
Number of Housing Units	93,062	108,570	795	0	6,389	859	892	56	8,003	982
Owner Occupied Units - Number	42,565	50,399	376	0	1,544	354	424	0	1,539	344
Owner Occupied Units - Percent	47.5%	49.3%	59.3%	0.5%	99.1%	28.1%	60.2%	0.0%	99.6%	26.4%
Total Population	208,879	232,687	1,816	1	12,343	1,881	1,947	119	13,845	1,961
Age										
Preschool Age Population (Age 0 to 4) - Number	10,874	13,536	95	0	419	82	111	0	387	89
Preschool Age Population (Age 0 to 4) - Percent	5.2%	5.8%	6.1%	0.0%	15.6%	3.1%	6.7%	0.0%	18.6%	3.1%
Youth Population (Age 0 to 17) - Number	37,455	40,654	336	0	1,066	274	345	0	1,075	255
Youth Population (Age 0 to 17) - Percent	17.9%	17.5%	21.9%	0.0%	41.8%	8.3%	21.1%	0.0%	42.6%	8.1%
Population Age 65 and Over - Number	19,267	22,337	162	0	854	174	175	2	720	162
Population Age 65 and Over - Percent	9.2%	9.6%	10.7%	0.2%	98.7%	11.1%	11.1%	0.2%	97.9%	10.9%
Race and Ethnicity										
White - Number	171,006	176,015	1,487	1	10,295	1,617	1,484	100	11,347	1,630
White - Percent	81.9%	75.6%	82.0%	24.9%	100.0%	16.4%	74.1%	20.1%	98.3%	17.4%
Black or African American - Number	12,124	16,520	108	0	883	167	141	0	800	179
Black or African American - Percent	5.8%	7.1%	6.3%	0.0%	39.9%	8.0%	8.4%	0.0%	47.0%	9.4%
Asian -Number	12,011	17,048	104	0	1,398	193	130	1	1,399	212
Asian - Percent	5.8%	7.3%	5.3%	0.0%	52.1%	6.9%	6.8%	0.5%	52.9%	6.9%
Other Race or Multiracial - Number	5,081	7,159	45	0	277	47	60	0	374	58
Other Race or Multiracial - Percent	2.4%	3.1%	2.4%	0.0%	6.9%	1.4%	3.2%	0.2%	12.0%	1.6%
Hispanic or Latino - Number	8,657	15,945	73	0	600	96	132	0	629	143
Hispanic or Latino - Percent	4.1%	6.9%	4.0%	0.0%	24.7%	4.0%	7.4%	0.3%	34.0%	6.1%
Household Structure										
Total Households	89,585	102,265	769	0	6,209	835	845	54	7,299	914
Family Households - Number	42,713	47,721	372	0	1,242	298	400	16	1,189	282
Family Households - Percent	47.7%	46.7%	58.5%	3.3%	94.9%	19.3%	56.5%	1.9%	84.7%	17.3%
Families with Children - Number	19,773	21,322	175	0	569	143	179	0	531	132
Families with Children - Percent	22.1%	20.8%	28.0%	0.0%	62.0%	12.3%	26.3%	0.0%	57.8%	11.1%
Female headed families with children - Number	4,491	5,403	38	0	189	42	45	0	215	44
Female headed families with children - Percent	5.0%	5.3%	5.4%	0.0%	27.6%	4.9%	6.8%	0.0%	43.9%	6.5%

(table continued below)

Descriptive Statistics: Neighborhood Associations (Continued from above)

	Madison		Neighborhood Associations							
			2014				2015			
	2014	2015	Mean	Min.	Max.	Std. Dev.	Mean	Min.	Max.	Std. Dev.
Acres	50,120	50,218	270	20	857	191	270	20	857	192
Housing Characteristics										
Madison Dwelling Units	108,526	110,119	902	51	8,014	986	900	51	8,040	995
Campus Dwelling Units	5,290	5,108	35	0	1,632	216	33	0	1,656	206
Community Pride Violations	3,072	2,734	30	0	318	42	27	0	181	34
Property Foreclosures	357	214	3	0	14	3	2	0	8	2
Assisted Housing Units	6,416	6,416	53	0	744	112	53	0	744	111
Average house value	$ 240,319	$ 248,621	$233,641	$115,803	$557,001	$ 92,715	$241,551	$113,830	$583,266	$ 96,336
Square foot value of housing	$ 127	$ 131	$ 122	$ 82	$ 201	$ 28	$ 126	$ 84	$ 209	$ 29
Median year built	1972	1972	1970	1916	2010	22	1971	1916	2013	22
Health & Family Well-Being										
Kindergarten Preparedness - Number [1,3]	4,782	4,667	41	0	155	36	39	0	149	34
Kindergarten Preparedness - Percent [1,3]	85.5%	85.2%	87.5%	51.7%	100.0%	11.5%	87.7%	48.1%	100.0%	12.5%
Parent Education Level: No H.S. Diploma/G.E.D. - Num. [1]	1,364	1,308	12	0	115	22	11	0	107	21
Parent Education Level: No H.S. Diploma/G.E.D. - Pct. [1]	6.3%	6.1%	5.4%	0.0%	39.3%	7.3%	5.2%	0.0%	40.5%	7.2%
Parent Education Level: College Graduate - Number [1]	11,407	11,237	100	0	460	103	98	0	484	102
Parent Education Level: College Graduate - Percent [1]	52.6%	52.3%	55.5%	4.3%	100.0%	28.7%	56.2%	2.9%	100.0%	29.0%
High mobility students - Number [1,2,3]	3,049	1,151	27	0	121	30	9	0	55	11
High mobility students - Percent [1,2,3]	15.0%	6.6%	13.8%	0.0%	37.4%	8.5%	5.6%	0.0%	23.8%	4.7%
Economically Disadvantaged Students - Number [1]	11,007	11,156	94	0	580	122	94	0	595	123
Economically Disadvantaged Students - Percent [1]	46.4%	47.2%	42.4%	0.0%	92.8%	29.2%	42.4%	0.0%	100.0%	29.9%
Infant Health: Term or Near Term Births - Percent [3]	98.2%	98.2%	98.3%	88.0%	100.0%	2.4%	98.3%	83.3%	100.0%	2.4%
Maternal Health: Appropriate Care - Percent [3]	93.1%	91.9%	93.2%	74.1%	100.0%	5.7%	90.5%	66.7%	100.0%	7.1%
Community Action & Involvement										
Voter Turnout (Presidential Election)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Voter Turnout as a percentage of registered voters	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Economic Vitality										
Median household income [3]	$53,464	$53,933	$60,694	$9,435	$126,569	$23,526	$54,707	$9,956	$90,337	$26,027
Families in poverty (among families) - Number [3]	4,613	4,914	38	0	210	49	45	4	197	53
Families in poverty (among families) - Percent [3]	9.3%	9.8%	12.1%	0.0%	100.0%	15.9%	16.1%	0.8%	100.0%	28.4%
Unemployment - Number [3]	9,256	8,511	79	0	525	91	176	23	505	149
Unemployment - Percent [3]	6.3	5.8	7.1	0.0	22.4	4.5	6.4	1.2	21.1	5.1
Public Safety										
Crimes against persons	1,767	1,221	14	0	202	25	9	0	143	19
Crimes against property	9,582	8,816	66	1	849	105	58	0	738	90
Crimes against society	9,474	8,777	74	0	1,067	135	67	0	998	128
Crashes	10,897	10,993	29	0	310	40	30	0	350	43
Calls for EMS / fire service	25,210	26,028	262	3	3,016	344	269	6	3,259	373
Transportation										
Transit Stop Access - Percent [2]	63.7%	64.2%	83.8%	0.0%	100.0%	25.3%	83.0%	0.0%	100.0%	26.4%
Available Transit Service - Trips [2]	12,468	13,003	1,035	0	7,024	1,304	1,048	0	7,363	1,337
Available Transit Service - Rate [2]	0.1	0.1	1.3	0.0	5.6	1.2	1.3	0.0	4.9	1.2
Households with access to a vehicle - Number [3]	90,051	90,221	737	56	4,666	656	1,514	516	4,841	1,124
Households with access to a vehicle - Percent [3]	87.2%	87.4%	89.9%	35.4%	100.0%	11.0%	81.6%	36.7%	99.1%	20.9%
Bike Network Access - Number [2]	92,040	88,208	773	0	8,014	1,068	741	0	8,040	1,086
Bike Network Access - Percent [2]	80.9%	76.6%	73.5%	0.0%	100.0%	34.6%	71.7%	0.0%	100.0%	37.5%
Pavement Condition	6.6	6.6	6.6	3.9	8.1	0.9	6.6	4.0	8.4	0.9

For Data Definitions visit: http://madison.apl.wisc.edu/definitions.php

[1] Student and parent education data are from the Madison Metropolitan School District and show figures for MMSD students or students' households as available; in some instances these represent only a subset of the MMSD student population. See definitions for details

[2] Current year data source and/or tabulation method differ(s) from previous year. See definitions for details.

[3] Multi-year estimate. See definitions for details.

Appendices B through D are available as separate files accessible via the links below.

Appendix B. 2015 Data Definitions

http://madison.apl.wisc.edu/documents/2015_NI_Data_Dictionary.pdf

Appendix C. Citywide Variable Maps for Neighborhood Associations and Planning Districts

http://madison.apl.wisc.edu/documents/2015_NI_Appendix_C.pdf

Appendix D. Individual Neighborhood and Planning District Reports

http://madison.apl.wisc.edu/documents/2015_NI_Appendix_D.pdf