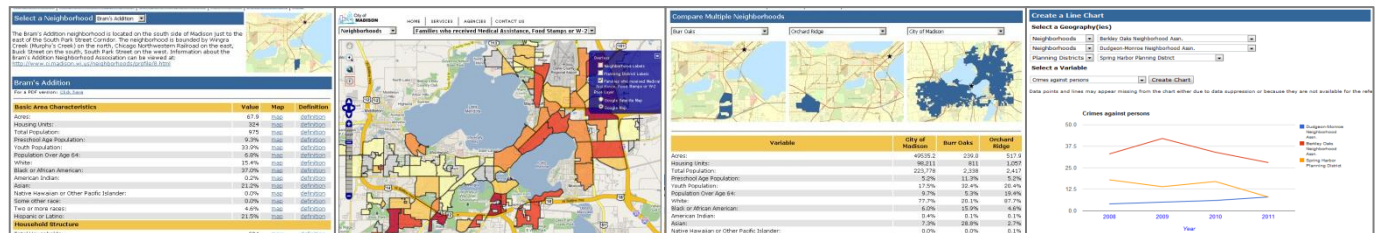


2011 Madison Neighborhood Indicators Report



Feb 1, 2012

Prepared by:

The University of Wisconsin
Applied Population Laboratory
& the City of Madison

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About This Report

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 reports. It is our hope that these data will afford insight into Madison's varied social landscape; helping to identify and highlight the presence of neighborhoods' assets and helping guide their development when they are lacking.

The project is also an attempt to "democratize," or make readily available, data that have already been collected 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 data are no substitute for the lived experience of residents within these neighborhoods but, nonetheless, provide a means of measuring discrete neighborhood attributes that data users often regard as important when making comparisons.

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 census block groups. The project proceeded with a full scale implementation beginning in 2008. City advisors have managed the project's implementation in collaboration with the University of Wisconsin Applied Population Laboratory.

The project's development has been an exploratory and 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 consistent with the expressed needs of data users, while being available at the requisite temporal and spatial scale. Still, 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 *2011 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.

More information about APL and its involvement with this report is available at the addresses listed below:

Applied Population Laboratory
University of Wisconsin-Madison
1450 Linden Drive, Room 350
Madison, WI 53706
<http://www.apl.wisc.edu/>

2011 Executive Summary

Developments:

- Several new Planning Districts (PDs) and Neighborhood Associations (NAs) were included this year. Among the PDs added were *Eagle Heights*, *Old Sauk*, *Pioneer*, *Midtown*, and *University Ridge*. The NAs included for the first time were *Greystone*, *Hawk's Landing*, *Sprecher East*, and *University Apartments Assembly*.
- The recent release of the 2010 Census affords us a unique opportunity to leverage very recent census data at a very fine grain of demographic detail (down to the census block) with greater accuracy than the Nielson-Claritas estimates used previously.
- To put the 2010 numbers in context we've also included data from the 2000 Census in the profiles, thereby *highlighting the demographic change* over the last decade.
- The web charting and profile tools have been updated to show the 2000 to 2010 demographic changes within current year geographies.
- American Community Survey (ACS) data are being incorporated into the system for the first time. Five-year estimates of *Household Poverty*, *Median Income*, and *Vehicle Access* will take the place of Nielson-Claritas estimates used previously. Despite continued interest in *Unemployment* as an economic indicator, we considered the Nielson and ACS estimates for this item to be too unreliable and chose not to continue including it among our *Economic Vitality* measures.
- A couple of additional measures we elected to include this year appear in the *Housing Characteristics* section: *City of Madison dwelling units* and *UW/Edgewood College dwelling units* (estimated). Our hope is that dwelling unit increase/decline can serve to signal population change within NAs and PDs as we move forward from 2010.
- Regrettably, we no longer have a provider for data on Families Receiving Income Qualifying Assistance. We are currently looking for other data sources related to income qualifying services that can fill a similar niche in the indicators profile.
- Several indicator items are formulated differently this year than in the past: *Community Pride Violations*, *Bike Path Access*, and *Water Use*. *Pride Violations* was reconfigured due to the changes in how the Building Inspection Unit categorizes and stores violation data. Inspection Unit staff provided an updated selection for which violation types merited inclusion in this item. *Bike Path Access* was also reformulated based on conversations with City Engineering and the Madison Area Transportation Planning Board (TPB). The TPB maintains a bike path database that includes City path data but is more comprehensive because it also includes other important bike path networks such as those maintained by UW. Lastly, *Water Use* has changed due how Madison Water Utility tracks accounts and extracts data. We are working with the water utility staff to make sure the new data represent valid measures. In each of these cases, the current year's data will not be comparable to previous years' but should provide an improved measure moving forward.

Basic Area and Population Data:

- Please refer to the descriptive statistics (below) and the maps in Appendix C, to view the wide variation across Madison in residents' age, ethnicity, and household characteristics.

Community Action and Involvement:

- The *Youth Opportunity Index* increased in numerous areas and for the city as a whole. We caution users that this change is more reflective of changes in data sources rather than of substantive changes to the youth opportunity structure of the city.
- *Voter Turnout* is not included as a 2011 indicator.

Housing Quality and Availability:

- Total number of *Community Pride Violations* continued to decline significantly across the City from just under 4,400 in 2009 to 3,632 in 2010. This stark decline relates to classification changes noted above. The highest violation counts among PDs were on the isthmus; *Capitol NAs* remained the highest, but *Near West* took the place of *Green Tree* for second place.
- *Foreclosure* counts were highest in Madison's peripheral PDs, particularly those in the northeast and southwest. The Madison total increased from 534 to 595.
- *Assisted Housing* is dispersed throughout the city, though there are 20 PDs with fewer than 10 units with some form of assistance. Conversely, *Capitol Square*, *Greentree* and *Wingra Park PDs* all contained more than 400 assisted units.
- Planning Districts showed wide variation in the value of single family owner occupied residences. Four PDs had mean values of over \$400,000, while 17 had mean values under \$200,000. The mean single family owner occupied housing unit value declined citywide by just under \$2,000 between 2010 and 2011.
- *Owner Occupancy* rates according to the 2010 Census had grown slightly over the last decade to nearly 50% for the City of Madison. Homeownership rates varied considerably across the city as depicted by the maps in Appendix C.

Public Safety:

- 2010 saw continued declines in *Crimes Against Persons* observed in the previous year. *Crimes Against Society* and *Crimes Against Property*, however, both saw increases in their citywide totals. Geographic differences across PDs in each of the three types of calls can be discerned from the maps in Appendix C. Differences between PD counts are dependent, in part, on georeferencing accuracy (See *Data Quality* below).
- The number of automobile crashes declined in 2010. Crashes have especially poor georeferencing success rates (47%), so changes in counts at the PD and NA levels should be interpreted with caution.
- *Calls for EMS/Fire Service* increased from the prior year's tally increased from just under 23,000 in 2009 to just under 24,000 in 2010.

Health and Family Well Being:

- Citywide *Kindergarten Preparedness* declined slightly by less than one percentage point to just over 64%. Citywide the number of students in households with parents who have less than a high school diploma remained steady at about 7.5%. At the same time the number of MMSD

students who with a college degree increased slightly to just over 51%. These data items should be interpreted with caution as they are not available for all students.

- Due to the impact of the recession the number of *High Mobility* students declined by nearly two percentage points to just under 7% citywide.
- The number of PDs with over 75% of MMSD students being *Economically Disadvantaged* declined slightly from 11 to 9. Citywide the percentage *Disadvantaged* grew slightly from 45.5% to almost 47%.
- The percent of births from 2007-2009 that met the *Appropriate Care* criteria (See Data Definitions) increased from 85% to 88%. Geographic variation in prenatal care was less than most other indicators. Owing partly to the inclusion of several new PDs, the number of districts with *Appropriate Care* rates of 90% or more grew from 14 to 29. The number of PDs with rates below 80% decreased from 9 to 5.
- *Full or Near Term Births* ranged from just under 93% to 100% among PDs. The citywide rate of *Full and Near Term Births* did not change significantly between the 2007-2009 interval and the previous three year birth data interval.

Economic Vitality Indicators:

- The *Median Household Income* citywide was just over \$56,000 according to 5-year ACS block group estimates from 2010. PD median incomes ranged from about \$12,500 in student residential areas near campus to over \$100,000 in several west side areas.
- According to 5-years ACS data for 2010, there were 3,729 families in poverty citywide; roughly 8% of all families.
- Of the 63 PDs, 11 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; most of these were PDs on the Madison periphery.

Transportation Indicators:

- The share of a PD land area within ¼ mile of a bus stop, referred to as *Transit Stop Access*, ranged from below 10% in the most outlying PDs to over 90% in more central PDs. *Available Transit Service*, which reflects the number of bus trips to an area is also new and generally indicates concentration of services in PDs nearer to downtown. Citywide the number of trips per week declined very slightly to 12,280.
- According to 5 year ACS data, only three PDs had household vehicle access rates below 70%; all of them were located downtown.
- Eight PDs near the periphery had *Bike Path Access* rates below 10%. Access rates were over 75% for 39 PDs. The citywide *Bikepath Access* rate in 2011 increased to 80% with the significant increase over last year owing mostly to changes in tabulation methods rather than new path construction.
- *Pavement Condition* ratings ranged from 5.0 to 8.5 among PDs. The citywide average increased from 6.8 to 7.0.

Conservation & Sustainability Indicators:

- The five year *Residential Water Use* averages have not been released for 2011 at the time of this report.

Corrections and Updates:

- The *Neighborhood Indicator* system is a work in progress. In three years of data production we have found ways to make our indicator tabulations more accurate and reliable. Notes regarding data revisions and year to year changes appear in the “definitions” and “what’s new” links on the *Neighborhood Indicators* website.

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. To serve the needs expressed by prospective users, the steering group assembled a suite of variables that met these criteria. 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 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 both in order to protect the privacy of residents and due to poor reliability of estimates for very small areas.

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, NAs and census block groups were in some cases “clipped,” retaining only those portions of tabulation geographies that lie within Madison city limits. Additional adjustments to the NA boundaries included removal of NAs 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 project provides neighborhood level summaries provided here are aggregates of address, parcel, or dwelling unit data. When address-based data were unavailable, as was the case with several of the age, race, and household composition 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 and administratively relevant geographic units justified the additional effort this required.

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* is an example of an item that is

shown only as a count. Users might deem it appropriate to calculate a rate for these occurrences using counts per person, per household, or per acre, each of which would produce a different result. In these instances, the exclusion of rates from the report requires users to determine the appropriate base from which to derive rates according to their particular needs.

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, georeferencing 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 georeferencing match rate was 90%, meaning 90% of Madison incidents could be matched with confidence to a discrete geographic location. The remaining 10% are not reflected in the NA and PD level reports. A second significant source of error is missing survey data. An example of this is non-response to Madison Metropolitan School District (MMSD) surveys on parent educational attainment, resulting in a significant omission from MMSD household data provided. The third noteworthy source of error applies to the indicators derived from American Community Survey data. These data are 5-year averages and although they reproduce many of the same demographic and housing attributes as previously observed in the Decennial Census, they do not provide the same degree of reliability. The geographic interpolation of those estimates from block group to neighborhood scale based on Census 2010 population weights, noted above, introduces an additional source of inaccuracy.

While the limitations of the data warrant caution in the users' interpretation of them, the measures supplied here represent the project staff's best estimate with respect to assigning values to existing neighborhood conditions.

Data Corrections and Versioning

In four 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 as needed whenever it is 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 and a maximum of 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 regarding such technical problems with the site; users should direct comments to apl_feedback@dces.wisc.edu.

NI Reporting Tools:

PDF Profile Sample

Madison Neighborhood Indicators 2011										
Allis 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: 457 Acres Boundary change from previous year: NO <i>Note: Any areas of a neighborhood boundary that lie outside the City of Madison are not included in the map or the table below.</i>										
<p>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.</p> <p>The annually updated indicators are shown on page two of these profiles. To provide a demographic context to the year-to-year data, a demographic profile sourced from U.S. decennial censuses of 2000 and 2010 is shown directly below.</p>										
DEMOGRAPHIC PROFILE	Neighborhood				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	1,099	n/a	1,103	n/a	108,507	n/a				
Owner Occupied Units	913	84.6%	882	83.1%	50,387	49.3%				
Total Population	2,400	n/a	2,373	n/a	232,576	n/a				
Age										
Young Children (Age 0 to 4)	121	5.1%	145	6.1%	13,529	5.8%				
Youth Population (Age 0 to 17)	472	19.7%	428	18.0%	40,638	17.5%				
Senior Population (Age 65 and Over)	415	17.3%	306	12.9%	22,327	9.6%				
Race and Ethnicity										
White	2,245	93.5%	2,103	88.6%	175,936	75.6%				
Black or African American	51	2.1%	58	2.5%	16,509	7.1%				
Asian	23	0.9%	12	0.5%	17,045	7.3%				
Other Races or Multiracial	48	2.0%	73	3.1%	7,149	3.1%				
Hispanic or Latino	33	1.4%	126	5.3%	15,938	6.9%				
Household Structure										
Total Households	1,078	n/a	1,061	n/a	102,205	n/a				
Family Households	654	60.7%	602	56.7%	47,700	46.7%				
Families with Children	252	23.3%	230	21.7%	21,312	20.9%				
Female Headed Families with Children	48	4.4%	45	4.3%	5,400	5.3%				

PDF Profile Sample (Continued)

INDICATORS	Neighborhood				City of Madison	
	2010		2011		2011	
	Number	Percent or Rate	Number	Percent or Rate	Number	Percent or Rate
HOUSING CHARACTERISTICS						
Madison Dwelling Units	1,119	n/a	1,120	n/a	108,294	n/a
Campus Dwelling Units	n/a	n/a	0	n/a	5,095	n/a
Community Pride Violations	83	n/a	69	n/a	3,632	n/a
Property Foreclosures	11	n/a	10	n/a	595	n/a
Assisted Housing Units	5	n/a	5	n/a	6,211	n/a
Average House Value	\$171,377	n/a	\$168,206	n/a	\$241,067	n/a
Square Foot Value of Housing	\$122	n/a	\$120	n/a	\$130	n/a
Median Year Built	1951	n/a	1951	n/a	1971	n/a
HEALTH & FAMILY WELL-BEING *						
Kindergarten Preparedness	97	64.0%	95	63.0%	8,036	64.3%
Parent Education Level: No High School Diploma/G.E.D.	12	6.8%	13	6.8%	1,343	7.5%
Parent Education Level: College Graduate	62	34.9%	69	36.1%	9,169	51.2%
High Mobility Students	16	7.0%	10	4.3%	1,472	6.8%
Free/Reduced Lunch Qualified Students	97	43.6%	105	44.7%	10,110	46.9%
Infant Health: Term or Near Term Births	Spr*	Spr*	Spr*	Spr*	8,452	98.0%
Maternal Health: Appropriate Care	91	83.5%	91	89.0%	7,454	88.0%
COMMUNITY ACTION & INVOLVEMENT						
Registered Voter Turn-out	n/a	n/a	n/a	n/a	n/a	n/a
Youth Opportunity Index	0.8	n/a	1.2	n/a	1.7	n/a
ECONOMIC VITALITY						
Median Household Income	n/a	n/a	\$58,089	n/a	\$56,171	n/a
Families in Poverty	n/a	n/a	44	7.3%	3,729	7.9%
Families Receiving Income Qualifying Assistance	58	n/a	n/a	n/a	n/a	n/a
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	12	n/a	25	n/a	2,217	n/a
Crimes Against Property	49	n/a	60	n/a	10,030	n/a
Crimes Against Society	45	n/a	54	n/a	10,048	n/a
Crashes	56	n/a	115	n/a	12,166	n/a
Calls for EMS/Fire Service	184	n/a	257	n/a	23,939	n/a
TRANSPORTATION						
Transit Stop Access	n/a	86.3%	n/a	86.3%	n/a	60.5%
Available Transit Service	586	0.5	571	0.51	12,280	0.11
Households with Access to a Vehicle	n/a	n/a	983	98.1%	86,629	88.4%
Bike Path Access	703	63.0%	716	63.9%	90,838	80.1%
Pavement Condition	5.1	n/a	5.0	n/a	7.0	n/a
CONSERVATION & SUSTAINABILITY						
Average Residential Water Use (Gallons Per Day)	n/a	152	n/a	n/a	n/a	n/a

Notes:

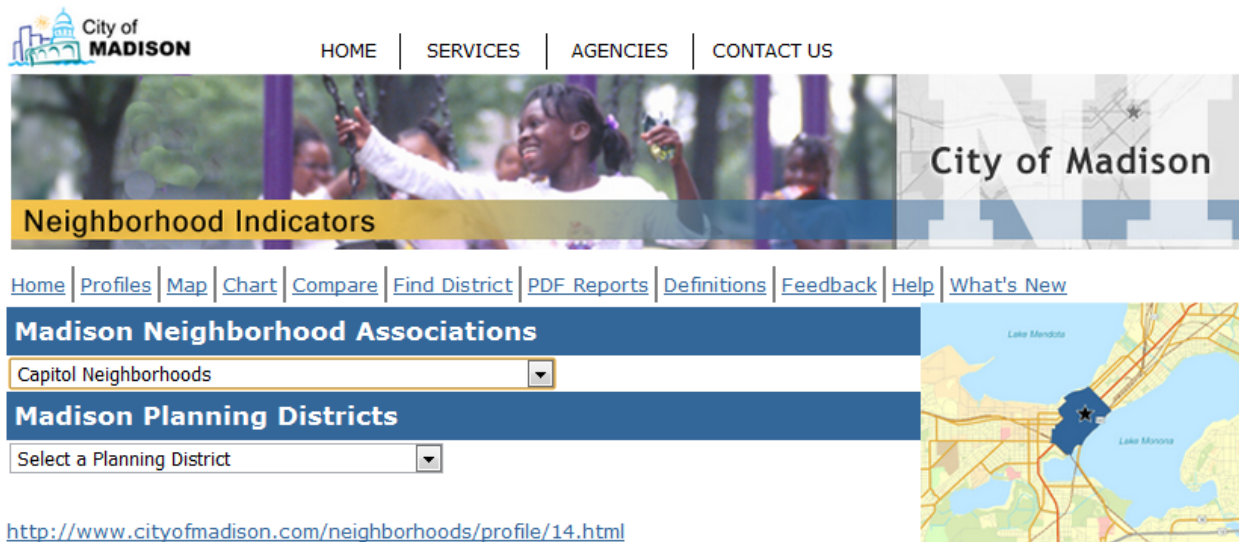
Time series data: In some instances year to year variation in counts and rates will reflect changes in the variable definition, geocoding success, or neighborhood boundaries.

* Student and education data are from the Madison Metropolitan School District and show figures for MMSD students or students' households as available and are not for the entire population.

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

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City of Madison

Neighborhood Indicators

Home | Profiles | Map | Chart | Compare | Find District | PDF Reports | Definitions | Feedback | Help | What's New

Madison Neighborhood Associations

Capitol Neighborhoods

Madison Planning Districts

Select a Planning District

<http://www.cityofmadison.com/neighborhoods/profile/14.html>

Capitol Neighborhoods

Geography	2011	Map	Chart	Definition	
Acres	456	map	chart	definition	
Boundary Change	NO	n/a	n/a	definition	
Demographic Profile	2000	2010	Map	Chart	Definition
Housing units	6,388	8,002	map	chart	definition
Owner Occupied Units	3.6%	10.8%	map	chart	definition
Total population	12,341	13,843	map	chart	definition
Age 4 and Under	0.7%	0.7%	map	chart	definition
Age 17 and Under	1.6%	1.4%	map	chart	definition
Age 65 and Over	4.9%	5.2%	map	chart	definition
White	83.4%	82.0%	map	chart	definition
African american	5.9%	5.8%	map	chart	definition
Asian	4.5%	5.2%	map	chart	definition
Other races or multiracial	2.2%	2.7%	map	chart	definition
Hispanic/Latino (of any race)	3.9%	4.3%	map	chart	definition
Total households	6,208	7,298	map	chart	definition
Family households	413	742	map	chart	definition
Families with Children	1.1%	1.4%	map	chart	definition
Female headed households with children	0.4%	0.4%	map	chart	definition
Indicators	2011	Map	Chart	Definition	
Community Action and Involvement					
Voter turn-out	n/a	map	chart	definition	
Youth opportunity index	3.9	map	chart	definition	
Housing Quality and Availability					
Community pride violations	592	map	chart	definition	
Property foreclosures	5	map	chart	definition	
Assisted housing units	758	map	chart	definition	
Average house value	\$258,092	map	chart	definition	

(image truncated)

Web Comparison

Neighborhood Indicators

[Home](#) | [Profiles](#) | [Map](#) | [Chart](#) | [Compare](#) | [Find District](#) | [PDF Reports](#) | [Definitions](#) | [Feedback](#) | [Help](#) | [What's New](#)

Compare Multiple Geographies and Years

2011 ▾

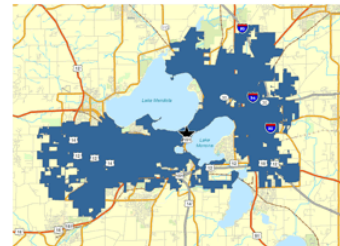
Arbor-McKee Planning District ▾

2011 ▾

Badger Planning District ▾

2011 ▾

City of Madison



Geography	Arbor-McKee Planning District	Badger Planning District	City of Madison 2011
Acres	485	748	49,882
Boundary Change	NO	NO	NO
Census 2010 Demographic Profile	Arbor-McKee Planning District	Badger Planning District	City of Madison 2011
Housing units	1,554	1,419	108,507
Owner Occupied Units	35.9%	58.5%	49.3%
Total population	3,205	3,296	232,576
Age 4 and Under	7.8%	8.9%	5.8%
Age 17 and Under	22.2%	26.9%	17.5%
Age 65 and Over	9.2%	5.9%	9.6%
White	59.1%	52.0%	75.6%
African american	18.5%	11.6%	7.1%
Asian	4.7%	5.7%	7.3%
Other races or multiracial	4.5%	4.1%	3.1%
Hispanic/Latino (of any race)	13.2%	26.6%	6.9%
Total households	1,421	1,302	102,205
Family households	751	738	47,700
Families with Children	25.5%	31.7%	20.9%
Female headed households with children	11.6%	8.5%	5.3%
Indicators	Arbor-McKee Planning District	Badger Planning District	City of Madison 2011
Community Action and Involvement			
Voter turn-out	n/a	n/a	n/a
Youth opportunity index	0.9	0.3	1.7
Housing Quality and Availability			
Community pride violations	75	39	3,632
Property foreclosures	10	10	595
Assisted housing units	254	26	6,211
Average house value	\$256,820	\$184,689	\$241,067

(image truncated)

Web Charting
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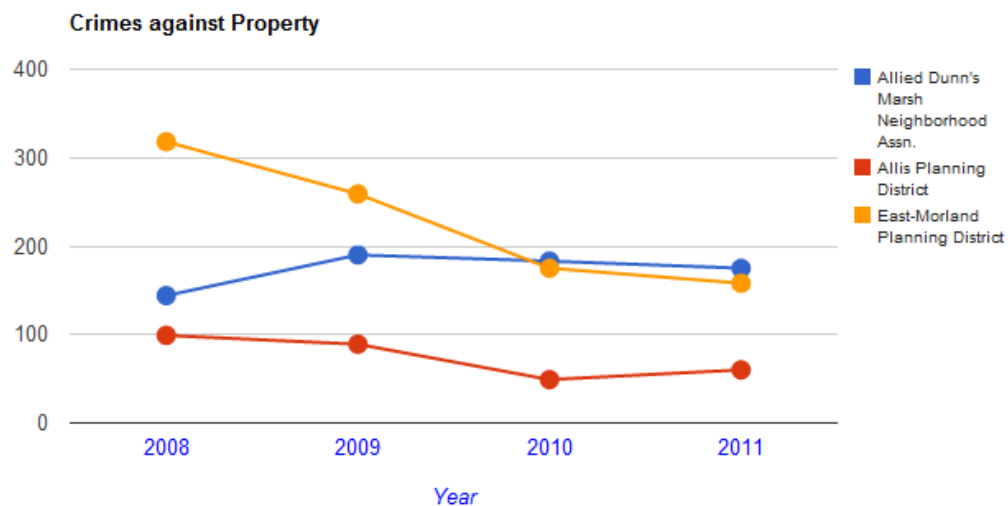
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Create a Line Chart**Select a Geography(ies)**

Planning Districts	East-Morland Planning District
Neighborhoods	Allied Dunn's Marsh Neighborhood Assn.
Planning Districts	Allis Planning District

Select a Variable

Crimes against Property	Create Chart
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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.



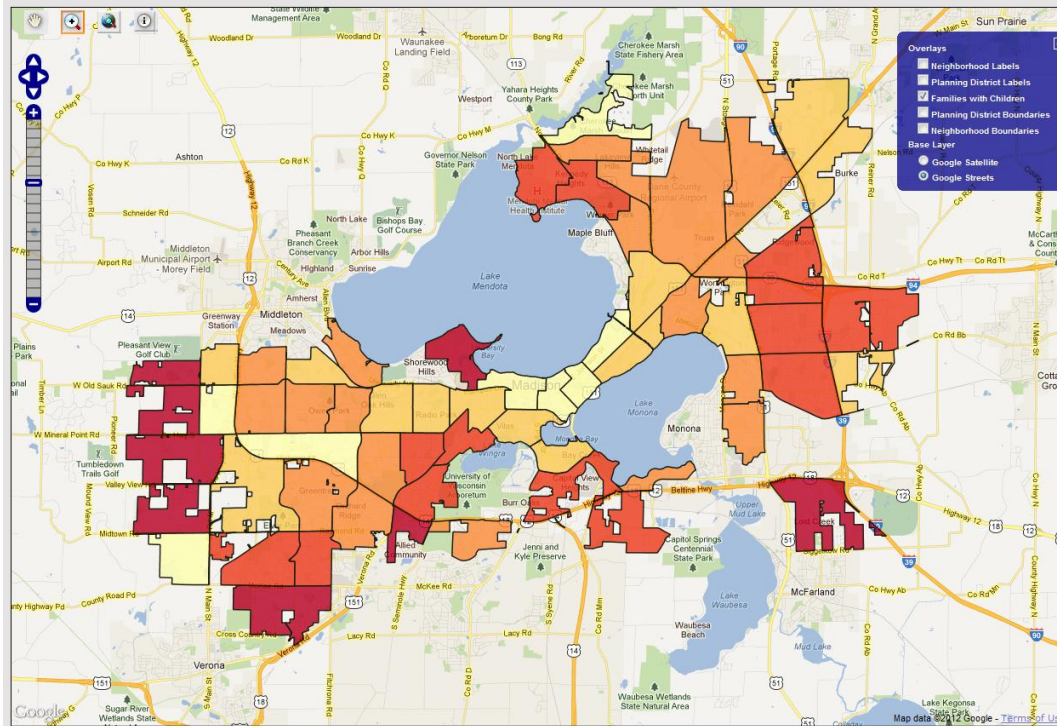
Madison Neighborhood Indicators Project, Last updated December 2010

Web Mapping

Neighborhood Indicators

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Planning Districts ▾ 2011 ▾ Families with Children ▾



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 Madison Neighborhood Indicators Project. Last updated December 2011

Descriptive Statistics: Planning Districts

	Madison (2011 Bdny)		Planning Districts (2011 Boundaries)							
	Census 2000	Census 2010	Census 2000				Census 2010			
			Mean	Min.	Max.	Std. Dev.	Mean	Min.	Max.	Std. Dev.
Number of Housing Units	93,046	108,507	1,468	20	5,674	1,064	1,718	91	6,654	1,158
Owner Occupied Units - Number	42,557	50,387	671	9	1,999	498	798	0	2,300	506
Owner Occupied Units - Percent	47.5	49.3	54.3	0.8	98.2	25.6	54.5	0.0	97.6	24.6
Total Population	208,841	232,576	3,297	42	15,689	2,542	3,683	143	16,320	2,568
Age										
Preschool Age Population (Age 0 to 4) - Number	10,872	13,529	172	0	462	124	214	2	764	155
Preschool Age Population (Age 0 to 4) - Percent	5.2	5.8	5.7	0.2	15.3	2.9	6.3	0.0	13.4	2.7
Youth Population (Age 0 to 17) - Number	37,446	40,638	591	6	1,727	427	643	15	1,920	426
Youth Population (Age 0 to 17) - Percent	17.9	17.5	19.5	0.5	38.5	7.2	19.0	0.2	34.5	7.3
Population Age 65 and Over - Number	19,265	22,327	304	6	1,379	255	353	7	969	230
Population Age 65 and Over - Percent	9.2	9.6	11.0	0.2	44.5	7.6	11.7	0.2	48.6	8.5
Race and Ethnicity										
White - Number	170,969	175,936	2,698	39	13,339	2,176	2,786	120	13,198	2,101
White - Percent	81.9	75.6	83.4	27.8	100.0	13.7	75.7	24.1	94.7	14.3
Black or African American - Number	12,123	16,509	192	0	1,233	226	261	5	1,216	254
Black or African American - Percent	5.8	7.1	5.8	0.0	33.6	6.7	7.2	0.9	33.7	6.5
Asian - Number	12,010	17,045	190	0	1,412	274	270	11	1,564	341
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	7,149	80	0	308	62	113	0	450	78
Other Race or Multiracial - Percent	2.4	3.1	2.3	0.0	6.0	1.2	3.0	0.1	6.1	1.1
Hispanic or Latino - Number	8,657	15,938	137	0	835	147	252	6	973	221
Hispanic or Latino - Percent	4.1	6.9	3.6	0.0	19.8	3.0	7.0	1.4	28.5	5.7
Household Structure										
Total Housholds	89,569	102,205	1,414	18	5,481	1,035	1,618	73	6,288	1,093
Family Households - Number	42,704	47,700	673	9	1,817	442	755	25	1,815	440
Family Households - Percent	47.7	46.7	54.4	4.2	83.3	17.2	51.1	2.2	78.5	16.4
Families with Children - Number	19,768	21,312	312	2	895	222	337	2	1,066	221
Families with Children - Percent	22.1	20.9	24.3	0.3	52.5	10.0	23.0	0.1	46.9	9.9
Female headed families with children - Number	4,490	5,400	71	0	190	60	86	2	277	66
Female headed families with children - Percent	5.0	5.3	5.2	0.0	20.2	3.8	5.8	0.1	21.3	4.0

(table continued below)

Descriptive Statistics: Planning Districts (Continued from above)

	Madison		Planning Districts							
	2010	2011	2010				2011			
			Mean	Min.	Max.	Std. Dev.	Mean	Min.	Max.	Std. Dev.
Acres	49,836	49,882	654	250	2,351	348	655	250	2,351	338
Housing Characteristics										
Madison Dwelling Units	108,161	108,294	n/a	n/a	n/a	n/a	1,713	51	7,589	1,256
Campus Dwelling Units	n/a	5,095	n/a	n/a	n/a	n/a	81	0	1,781	345
Community Pride Violations*	4,362	3,632	74	1	448	89	57	0	419	77
Property Foreclosures	534	595	9	0	35	8	9	0	31	9
Assisted Housing Units	6211	6211	107	0	609	133	98	0	609	131
Average house value	\$ 242,962	\$ 241,067	\$248,983	\$141,100	\$525,168	\$ 76,982	\$253,418	\$141,335	\$515,728	\$ 82,247
Square foot value of housing	\$ 131	\$ 130	\$ 132	\$ 98	\$ 190	\$ 24	\$ 132	\$ 96	\$ 190	\$ 24
Median year built	1971	1971	1970	1916	2005	23	1972	1916	2008	24
Health & Family Well-Being										
Kindergarten Preparedness - Number	7,994	8,036	135	0	427	101	127	0	429	104
Kindergarten Preparedness - Percent	64.9	64.3	65.2	25.1	100.0	18.6	64.9	20.1	100.0	17.7
Parent Education Level: No H.S. Diploma/G.E.D. - Num.	1,288	1,343	22	0	141	27	21	0	144	27
Parent Education Level: No H.S. Diploma/G.E.D. - Pct.	7.6	7.5	6.9	0.0	33.2	7.2	6.6	0.0	25.9	6.7
Parent Education Level: College Graduate - Number	8,638	9,169	142	0	506	116	145	0	541	123
Parent Education Level: College Graduate - Percent	50.7	51.2	53.6	0.0	100.0	28.0	55.7	5.0	100.0	27.8
High mobility students - Number	1,839	1,472	30	0	140	30	23	0	110	23
High mobility students - Percent	8.6	6.8	8.6	0.0	55.6	8.1	7.0	0.0	32.0	6.2
Economically Disadvantaged Students - Number	9,711	10,110	163	0	679	162	160	0	703	166
Economically Disadvantaged Students - Percent	45.5	46.9	43.1	0.0	100.0	28.0	41.7	0.0	90.1	26.3
Infant Health: Term or Near Term Births - Percent	97.8	98.0	98.0	90.9	100.0	1.8	98.4	92.7	100.0	1.6
Maternal Health: Appropriate Care - Percent	85.4	88.3	85.3	71.7	94.3	5.6	89.1	73.5	100.0	5.6
Community Action & Involvement										
Youth opportunity index*	1.6	1.7	1.2	0.0	4.8	1.1	1.2	0.0	5.1	1.1
Economic Vitality										
Median household income*	\$54,242	\$56,171	\$59,753	\$18,009	\$110,447	\$17,970	\$61,118	\$12,483	\$112,835	\$20,610
Families in poverty (among families) - Number*	3,157	3,729	51	0	213	51	59	0	299	67
Families in poverty (among families) - Percent *	6.9	7.9	7.6	0.0	42.5	8.8	9.6	0.0	85.8	14.4
Families receiving income qualifying assistance	8,135	n/a	119	1	410	106	n/a	n/a	n/a	n/a
Public Safety										
Crimes against persons	2,281	2,217	36	0	238	41	32	0	202	36
Crimes against property	9,679	10,030	142	2	747	148	139	1	837	160
Crimes against society	9,743	10,048	147	0	1,337	218	139	1	1,321	209
Crashes	12,598	12,166	97	4	336	84	94	3	466	95
Calls for EMS / fire service	22,999	23,939	362	64	1,613	298	357	2	1,685	314
Transportation										
Transit Stop Access - Percent	60.5	60.5	76.5	0.2	100.0	27.5	73.5	0.0	100.0	31.2
Available Transit Service - Trips	12,365	12,280	1,449	0	7,287	1,600	1,390	0	7,237	1,585
Available Transit Service - Rate	0.1	0.1	0.8	0.0	4.0	0.9	0.8	0.0	3.9	0.8
Households with access to a vehicle - Number*	87,674	86,629	1,483	64	3,579	832	1,371	63	3,346	788
Households with access to a vehicle - Percent *	89.5	88.4	92.5	56.4	99.9	8.7	91.2	47.7	100.0	9.3
Bike Path Access - Number*	58,573	90,838	1,001	0	5,015	1,050	1,438	0	7,834	1,345
Bike Path Access - Percent *	54.2	80.1	49.5	0.0	100.0	36.7	69.9	0.0	100.0	34.0
Pavement Condition	6.8	7.0	6.8	5.1	8.2	0.6	7.0	5.0	8.5	0.7
Conservation & Sustainability										
Average Residential Water Use (Gallons Per Day)	142.1	n/a	147.4	71.9	241.0	34.6	n/a	n/a	n/a	n/a

* Observed year-to-year differences may result from changes in data sourcing or calculation methods

Descriptive Statistics: Neighborhood Associations

	Madison (2011 Bndry)		Neighborhood Associations (2011 Boundaries)							
	Census 2000	Census 2010	Census 2000				Census 2010			
			Mean	Min.	Max.	Std. Dev.	Mean	Min.	Max.	Std. Dev.
Number of Housing Units	93,046	108,507	849	0	6,388	866	950	101	8,002	992
Owner Occupied Units - Number	42,557	50,387	405	0	1,544	355	453	0	1,539	343
Owner Occupied Units - Percent	47.5	49.3	59.7	0.5	98.9	27.9	60.2	0.0	99.6	26.2
Total Population	208,841	232,576	1,938	1	12,341	1,891	2,073	213	13,843	1,970
Age										
Preschool Age Population (Age 0 to 4) - Number	10,872	13,529	103	0	419	81	118	2	387	89
Preschool Age Population (Age 0 to 4) - Percent	5.2	5.8	6.3	0.1	15.6	3.1	6.6	0.0	18.6	3.0
Youth Population (Age 0 to 17) - Number	37,446	40,638	360	1	1,061	268	368	6	1,076	252
Youth Population (Age 0 to 17) - Percent	17.9	17.5	22.2	0.3	41.7	8.1	21.1	0.1	39.9	7.5
Population Age 65 and Over - Number	19,265	22,327	170	0	854	175	189	11	720	165
Population Age 65 and Over - Percent	9.2	9.6	10.1	0.2	33.7	7.1	10.8	0.2	35.1	7.0
Race and Ethnicity										
White - Number	170,969	175,936	1,582	1	10,293	1,632	1,575	109	11,346	1,645
White - Percent	81.9	75.6	81.4	24.9	100.0	16.9	73.8	20.1	94.8	17.8
Black or African American - Number	12,123	16,509	120	0	828	172	153	0	800	179
Black or African American - Percent	5.8	7.1	6.8	0.0	39.9	8.5	8.8	0.0	46.9	9.7
Asian - Number	12,010	17,045	109	0	1,398	197	136	3	1,399	218
Asian - Percent	5.8	7.3	5.2	0.0	52.1	7.0	6.6	0.5	52.9	7.0
Other Race or Multiracial - Number	5,081	7,149	48	0	277	47	64	0	374	58
Other Race or Multiracial - Percent	2.4	3.1	2.5	0.0	6.9	1.3	3.2	0.2	9.0	1.3
Hispanic or Latino - Number	8,657	15,938	78	0	600	97	144	3	671	151
Hispanic or Latino - Percent	4.1	6.9	4.2	0.0	24.7	4.1	7.7	1.2	34.0	6.3
Household Structure										
Total Housholds	89,569	102,205	820	0	6,208	843	898	97	7,298	923
Family Households - Number	42,704	47,700	399	0	1,238	293	426	28	1,188	276
Family Households - Percent	47.7	46.7	58.9	3.3	94.9	18.2	56.5	1.9	84.7	16.2
Families with Children - Number	19,768	21,312	187	0	569	141	191	2	530	130
Families with Children - Percent	22.1	20.9	28.1	0.2	61.8	12.0	25.9	0.1	51.9	10.0
Female headed families with children - Number	4,490	5,400	42	0	174	42	49	2	215	45
Female headed families with children - Percent	5.0	5.3	5.7	0.0	27.6	5.0	6.9	0.1	43.9	6.5

(table continued below)

Descriptive Statistics: Neighborhood Associations (Continued from above)

	Madison		Neighborhood Associations							
	2010	2011	2010				2011			
			Mean	Min.	Max.	Std. Dev.	Mean	Min.	Max.	Std. Dev.
Acres	49,836	49,882	273	15	720	178	281	21	724	183
Housing Characteristics										
Madison Dwelling Units	108,161	108,294	n/a	n/a	n/a	n/a	946	51	8,446	1,045
Campus Dwelling Units	n/a	5,095	n/a	n/a	n/a	n/a	37	0	1,650	224
Community Pride Violations*	4,362	3,632	45	0	581	75	38	0	592	71
Property Foreclosures	534	595	5	0	31	5	5	0	29	5
Assisted Housing Units	6211	6211	58	0	758	116	56	0	758	115
Average house value	\$ 242,962	\$ 241,067	\$235,688	\$127,662	\$544,428	\$ 81,010	\$238,495	\$127,712	\$533,643	\$ 86,860
Square foot value of housing	\$ 131	\$ 130	\$ 128	\$ 98	\$ 193	\$ 23	\$ 126	\$ 96	\$ 194	\$ 24
Median year built	1971	1971	1967	1913	2005	21	1968	1913	2005	22
Health & Family Well-Being										
Kindergarten Preparedness - Number	7,994	8,036	77	0	312	68	77	0	319	68
Kindergarten Preparedness - Percent	64.9	64.3	64.2	0.0	100.0	20.6	64.7	20.3	95.7	19.0
Parent Education Level: No H.S. Diploma/G.E.D. - Num.	1,288	1,343	12	0	80	18	12	0	92	18
Parent Education Level: No H.S. Diploma/G.E.D. - Pct.	7.6	7.5	6.5	0.0	39.2	7.7	6.7	0.0	41.5	8.1
Parent Education Level: College Graduate - Number	8,638	9,169	81	0	396	79	87	0	412	84
Parent Education Level: College Graduate - Percent	50.7	51.2	51.4	0.0	100.0	29.5	53.4	0.0	100.0	29.5
High mobility students - Number	1,839	1,472	17	0	90	19	14	0	98	18
High mobility students - Percent	8.6	6.8	7.8	0.0	22.2	5.7	6.4	0.0	21.6	5.1
Economically Disadvantaged Students - Number	9,711	10,110	90	0	469	105	93	0	506	110
Economically Disadvantaged Students - Percent	45.5	46.9	43.5	0.0	100.0	30.5	43.2	0.0	95.5	29.0
Infant Health: Term or Near Term Births - Percent	97.8	98.0	98.2	90.3	100.0	2.0	98.3	92.3	100.0	1.8
Maternal Health: Appropriate Care - Percent	85.4	88.3	84.7	50.0	100.0	8.0	87.6	61.9	100.0	7.8
Community Action & Involvement										
Youth opportunity index*	1.6	1.7	1.4	0.0	6.8	1.4	1.4	0.0	6.8	1.4
Economic Vitality										
Median household income*	\$54,242	\$56,171	\$59,254	\$15,019	\$110,452	\$18,970	\$60,040	\$7,698	\$125,096	\$21,573
Families in poverty (among families) - Number*	3,157	3,729	29	0	125	31	31	0	164	35
Families in poverty (among families) - Percent *	6.9	7.9	8.9	0.0	36.7	9.2	10.7	0.0	87.5	15.0
Families receiving income qualifying assistance	8,135	n/a	65	0	293	69	n/a	n/a	n/a	n/a
Public Safety										
Crimes against persons	2,281	2,217	21	0	212	32	20	0	188	29
Crimes against property	9,679	10,030	71	0	779	100	74	0	818	107
Crimes against society	9,743	10,048	91	0	1,204	177	89	0	1,101	175
Crashes	12,598	12,166	50	0	483	66	50	0	462	73
Calls for EMS / fire service	22,999	23,939	187	5	2,283	271	193	3	2,308	274
Transportation										
Transit Stop Access - Percent	60.5	60.5	84.5	1.8	100.0	23.9	81.8	0.0	100.0	27.8
Available Transit Service - Trips	12,365	12,280	1,045	0	7,192	1,311	1,018	0	7,142	1,292
Available Transit Service - Rate	0.1	0.1	1.2	0.0	6.7	1.1	1.2	0.0	5.2	1.0
Households with access to a vehicle - Number*	87,674	86,629	806	99	4,609	672	751	90	3,770	598
Households with access to a vehicle - Percent *	89.5	88.4	92.5	47.1	100.0	8.9	91.4	36.5	100.0	9.6
Bike Path Access - Number*	58,573	90,838	543	0	5,956	865	783	0	5,986	962
Bike Path Access - Percent *	54.2	80.1	47.0	0.0	100.0	39.4	74.8	0.0	100.0	31.9
Pavement Condition	6.8	7.0	6.7	4.5	8.6	0.8	7.0	4.5	8.4	0.8
Conservation & Sustainability										
Average Residential Water Use (Gallons Per Day)	142.1	n/a	174.2	72.0	515.3	64.4	n/a	n/a	n/a	n/a

* Observed year-to-year differences may result from changes in data sourcing or calculation methods

NI 2011 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 and percent 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 75 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 1/4 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.

Definitions last updated: January 31, 2012

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

In order to limit the file size of this 2011 NHI overview report, Appendix C is being made available as a separate file and can be accessed via the link below:

<http://madison.apl.wisc.edu/pdfprofiles.html>

Appendix D. Individual Neighborhood and Planning District Reports

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