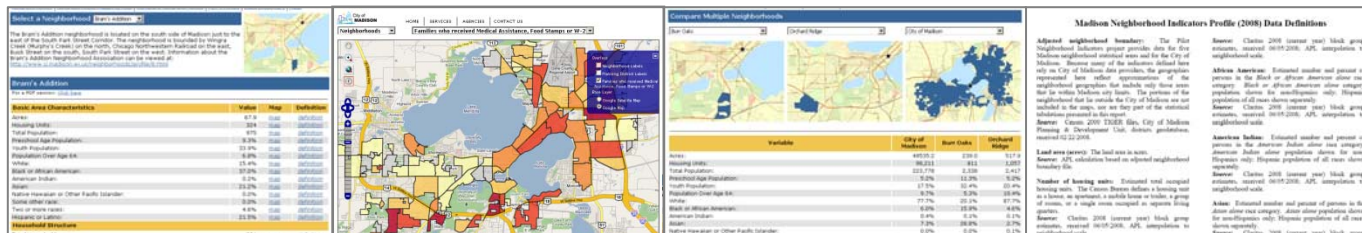


2008 Madison Neighborhood Indicators Report



October 30, 2009
 Prepared by:
 The University of Wisconsin
 Applied Population Laboratory
 & the City of Madison



Office of the Mayor

David J. Cieslewicz

Room 403
210 Martin Luther King, Jr. Boulevard
Madison, Wisconsin 53703-3345
(Phone) 608 266 4611
(TTY) 608 266 4443
(FAX) 608 267 8671

An Introduction to the 2008-2009 Neighborhood Indicators Project Mayor Dave Cieslewicz

When developing a new program or allocating funding, we can use data to guide our decisions and better target our limited resources. For the City of Madison, we have a lot of timely data but it's often available only at geographies much larger than the city or its neighborhoods. With the US Census, we have detailed data but it comes along once every ten years and is quickly out of date. What we want is something timely and at the right geography to let us know what Madison's neighborhoods are like and how they're doing.

Indicators as a tool. *The Neighborhood Indicators Project* is a demonstration of key characteristics and various indicators that relate to the quality of life in Madison at the neighborhood level. The goal of the *Neighborhood Indicators Project* is to:

- Give us a better understanding of our neighborhoods;
- Help us tailor solutions to a neighborhood's particular needs or characteristics;
- Over time, help us see emerging trends; and
- Give us early warning signs of stress so that problems can be addressed quickly, effectively and less expensively.

Indicators are not a substitute for local knowledge or the personal experiences of residents, but they will provide us with a more comprehensive view of our neighborhoods. They can help us make data-driven decisions about service delivery. They can provide us with a first-scan for deeper issues, show where to drill down for additional information and flag where to investigate causes. All of this information can become part of our considerations to increase or reallocate funding for programs or pursue new policies.

Public input. Our roster of indicators was developed with over a year of public input that started with the 2006 Neighborhood Conference. The pilot was also featured at the Mayor's Neighborhood Roundtable in 2007 and 2008 and during sessions with the Northside Planning Council, East Isthmus Neighborhoods Planning Council, South Metropolitan Planning Council and Neighborhood Resource Teams. Input from alders and department and division heads was gleaned during project overviews and progress reports. The pilot was presented to several of the Council's standing committees including Public Safety Review Committee, Board of Education-Common Council Liaison Committee, Housing Committee, Community Services Commission, and Community Development Block Grant Commission. The Madison Metropolitan School District offered guidance on which indicators it felt were most relevant. During each of these sessions, suggestions and recommendations were recorded and considered by a work group of City managers and staff for inclusion.

Privacy and confidentiality. *Neighborhood Indicators* will be a useful tool, but we have to balance this desire with the need to ensure confidentiality and privacy for the residents living in our neighborhoods. Accordingly, some neighborhood associations may not be listed because they are too small. In other instances, individual indicators may identify so few or so many people that you would know that everybody living in that neighborhood has certain characteristics. To ensure their privacy, these too have not been added to the neighborhood profiles.

The goal of the *Neighborhood Indicators Project* is to be a useful tool for City staff, citizen committees and members of the general public. Feedback from users like you will help refine and improve the package for years to come.

Please visit the Neighborhood Indicators Project website at www.cityofmadison.com/ni. You can share your thoughts by clicking the "Leave Feedback" link, by sending an email directly to NHIfedback@cityofmadison.com, or by calling my office at 266-4611.

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About This Report

The Neighborhood Indicators project seeks to quantify and represent visually the diverse and changing social conditions in Madison neighborhoods. The project staff has endeavored to provide neighborhood level characteristics for a single year, bringing together data from a variety of sources and compiling them into suite of variables used to generate neighborhood level reports. It is our hope that these reports will provide insight into some key attributes of each neighborhood; attributes that can help to identify and highlight the presence of neighborhoods' assets and help guide their development when they are lacking.

The pilot 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. In recent years, developments in mapping technology and administrative 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 those neighborhoods but, nonetheless, provide a means of measuring discrete attributes of the neighborhoods 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 City Council and the Mayor's office, 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 includes Madison Planning Districts, Census Block Groups and neighborhoods. Currently the project is proceeding with a full scale implementation for 2008 and 2009. City staff members have managed the project's implementation in collaboration with the University of Wisconsin Applied Population Laboratory working under contract with the City.

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 temporal and spatial scale that the project required. Still, the neighborhood indicators project is 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 2008 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/>

Methodology

To be considered for inclusion the project, potential indicators and population data needed to be available on an annual basis and available, or able to be reliably estimated, for small geographic units. During the pilot phase, the steering group arrived on a suite of 43 variables that appeared to meet the criteria and serve the needs expressed by prospective users. About half of the items were obtained locally through government or other institutional providers. The remainder came from third party data suppliers, most significantly from Claritas, a widely accepted source for intercensal demographic data estimates for small geographic units. As of the drafting of this report, a few items are still forthcoming. The data definitions in Appendix B provide a brief description and source information for each variable.

Tabulation Geographies

The Neighborhood Indicators project provides data for Madison Planning Districts and Madison Neighborhoods above a threshold estimated population of 100. Indicator data for census block groups and for neighborhoods under the size threshold are suppressed in order to protect the privacy of residents there and due to low reliability of small area attribute estimates.

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 Planning Districts, neighborhoods 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 NH boundaries included removal of neighborhoods that lie within other neighborhoods and the removal of areas of boundary overlap.

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 that 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, Claritas current year estimates for census block group geographies were used. The block group geographies did not generally correspond to neighborhood boundaries, so to adapt these estimates to the neighborhood geographies, the values were interpolated using area and population weights derived from the Census 2000 population.

The use of locally derived neighborhood 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 efforts 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 obvious, 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 for themselves the appropriate base from which to generate 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, georeferencing error occurs in the address data when they cannot be matched to an address on the map or when georeferencing systems position them inaccurately. In the crimes against property data reported here, for instance, the georeferencing match rate was 85% meaning 85% of Madison incidents could be matched with confidence to a discrete geographic location and 15% could not and thus are not reflected in the neighborhood level reports. A second significant source of error is missing survey data. An example of this is non-response to Madison Metropolitan School District 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 Claritas data. The Caritas data are estimates of current year data. Although they reproduce many of the demographic and housing attributes as are collected in the decennial census, the Claritas estimates do not provide the same degree of accuracy. The geographic interpolation of those data from block group to neighborhood scale, noted above, introduces additional potential for inaccuracy.

While the limitations of the data warrant a measure of 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 Dissemination

The indicator data are accessible via print and web media. This report serves as the project overview and provides links to a citywide overview of all individual neighborhood reports Appendix C. In addition to an Adobe pdf version of this report, the website also serves individual neighborhood profiles in pdf format. The website provides access to much of the same tabular data as shown in individual neighborhood profiles. However, to streamline the neighborhood reports online, the web version shows for each item only a rate *or* a count. Additionally the site provides tools for mapping and tabular data comparisons across neighborhoods.

The interactive web mapping service constitutes a significant portion of the project effort. Like a number of indicator systems, Madison's employs mapping software not only in the collection of data, but also as a tool for its display and dissemination. The web mapping tool allows users to view neighborhood characteristics in the context of other neighborhoods as well as other geophysical attributes of interest, such as lakes and roads.

APL is still in the process of optimized the network, server, and software configurations for the full scale project. Consequently, users will likely encounter delays and glitches as they interact with the system, particularly during periods of high volume web traffic. The APL staff appreciates feedback regarding technical problems with the site; users should direct comments to apl_feedback@dces.wisc.edu.

Pilot Neighborhood Report Sample

Madison Neighborhood Indicators (2008)				
Allis Plan 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. The planning districts generally cover several neighborhoods and alder districts but their boundaries are built based on census geographies rather than neighborhoods.				
	BASIC AREA & POPULATION PROFILE		City of Madison	
	Neighborhood	City of Madison		
	Number	Percent or Rate	Number	Percent or Rate
Land Area (acres)	457	n/a	49,576	n/a
Number of Housing Units	1,051	n/a	104,760	n/a
Total Population	2,213	n/a	223,070	n/a
Age				
Preschool Age Population (Age 0 to 4)	113	5.1%	11,651	5.2%
Youth Population (Age 0 to 17)	421	19.0%	39,215	17.6%
Senior Population (Age 65 and Over)	380	17.2%	21,717	9.7%
Race and Ethnicity				
White	2,013	90.9%	173,354	77.7%
Black or African American	69	3.1%	13,445	6.0%
Asian	33	1.5%	16,352	7.3%
Other Races or Multiracial	54	2.4%	6,051	2.7%
Hispanic or Latino	45	2.0%	13,867	6.2%
Household Structure				
Total Households	1,017	n/a	97,964	n/a
Family Households	614	60.4%	46,050	47.0%
Families with Children	235	23.1%	21,340	21.8%
Female Headed Families with Children	44	4.3%	4,716	4.8%
INDICATORS				
COMMUNITY ACTION & INVOLVEMENT				
Voter Turn-out <i>Coming with 2009 data</i>	---	---	---	---
Youth Opportunity Index	1.2	n/a	1.6	n/a
HOUSING QUALITY & AVAILABILITY				
Community Pride Violations	89	0.09	5,189	0.05
Average House Value	\$178,259	n/a	\$247,963	n/a
Square Foot Value of Housing	\$127	n/a	\$133	n/a
Owner Occupied Homes	864	84.9%	46,164	47.1%

Pilot Neighborhood Report Sample (Continued)

INDICATORS	Neighborhood		City of Madison	
	Number	Percent or Rate	Number	Percent or Rate
HEALTH & FAMILY WELL-BEING *				
Kindergarten Preparedness	119	71.0%	8,018	66.5%
Parent Education Level: No High School Diploma/G.E.D.	17	10.5%	1,198	9.5%
Parent Education Level: College Graduate	61	37.5%	6,459	51.5%
High Mobility Students	20	8.3%	2,568	12.0%
Students Receiving Free/Reduced Lunch	85	34.6%	8,815	41.3%
Infant Health: Term or Near Term Births	Spr*	Spr*	8,404	97.7%
Maternal Health: Appropriate Care	81	79.4%	7,252	85.5%
ECONOMIC VITALITY				
Median Household Income	\$60,740	n/a	\$51,944	n/a
Families in Poverty (among families)	14	2.2%	2,667	5.8%
Unemployed	21	1.6%	6,440	4.7%
Families Receiving Income Qualifying Assistance	54	n/a	5,391	n/a
Basic Goods & Services (Hospitals, Pharmacies, Banking, Groceries, Childcare)	P,B,C	n/a	H,P,B,G,C	n/a
PUBLIC SAFETY INDICATORS				
Crimes Against Persons	12	n/a	2,618	n/a
Crimes Against Property	99	n/a	11,752	n/a
Crimes Against Society	39	n/a	9,578	n/a
Crashes	64	n/a	13,892	n/a
Calls for EMS/Fire Service	159	n/a	24,546	n/a
TRANSPORTATION				
Metro Proximity (parcels within 1/4 mi. proximity to bus stop) <i>Coming with 2009 data</i>	n/a	---	n/a	---
Metro Service (minutes of service/per person)	---	n/a	---	n/a
Households with Access to a Vehicle	976	96.0%	86,728	88.5%
Bike Path Access	509	45.5%	50,924	47.9%
Pavement Condition	---	n/a	---	n/a

Notes:

***** School and education data are from the Madison Metropolitan School District and show figures for 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.


--- Cells containing "---" indicate that the data is not available yet but is forthcoming.


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 obverse of the category shown, the latter being derivable using the percentage. Correspondence between some neighborhood associations and planning district geographies required suppression of these data for neighborhood geographies.

Website Samples

Profile


[HOME](#) | [SERVICES](#) | [AGENCIES](#) | [CONTACT US](#)





City of Madison

Neighborhood Indicators

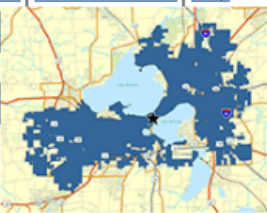
[Home](#) | [Neighborhoods](#) | [Mapping Tool](#) | [Compare Neighborhoods](#) | [PDF Reports](#) | [Definitions](#) | [Leave Feedback](#) | [Help](#)

Madison Neighborhoods

City of Madison

Madison Planning Districts

Select a Planning District



City of Madison 2008

Basic Area & Population Profile	Value	Map	Definition
Acres	49,575	map	definition
Housing Units	104,760	map	definition
Total Population	223,070	map	definition
Preschool Age Population	5.2%	map	definition
Youth population	17.6%	map	definition
Age 65 and Over	9.7%	map	definition
White	77.7%	map	definition
African American	6.0%	map	definition
Asian	7.3%	map	definition
Other Races or Multiracial	0.1%	map	definition
Hispanic/Latino (of any race)	6.2%	map	definition
Total Households	97,964	map	definition
Family Households	46,050	map	definition
Families with Children	21.8%	map	definition
Female headed households with children	4.8%	map	definition

Indicators	Value	Map	Definition
Community Action and Involvement			
Voter turn-out (Coming with 2009 data)	---	map	definition
Youth opportunity index	1.6	map	definition
Housing Quality and Availability			
Community Pride violations:	5,189	map	definition
Average house value	\$247,963	map	definition
Square foot value of housing	\$133	map	definition
Home ownership	47.1%	map	definition
Public Safety			
Crimes against Persons	2,618	map	definition
Crimes against Property	11,752	map	definition
Crimes against Society	9,578	map	definition
Crashes	13,892	map	definition
Calls for EMS/fire service	24,546	map	definition
Health and Family Well-Being			

(image truncated)

Comparison



HOME | SERVICES | AGENCIES | CONTACT US

Compare Multiple Geographies

City of Madison

Highpoint Plan District

Bluff Acres Neighborhood Assn.



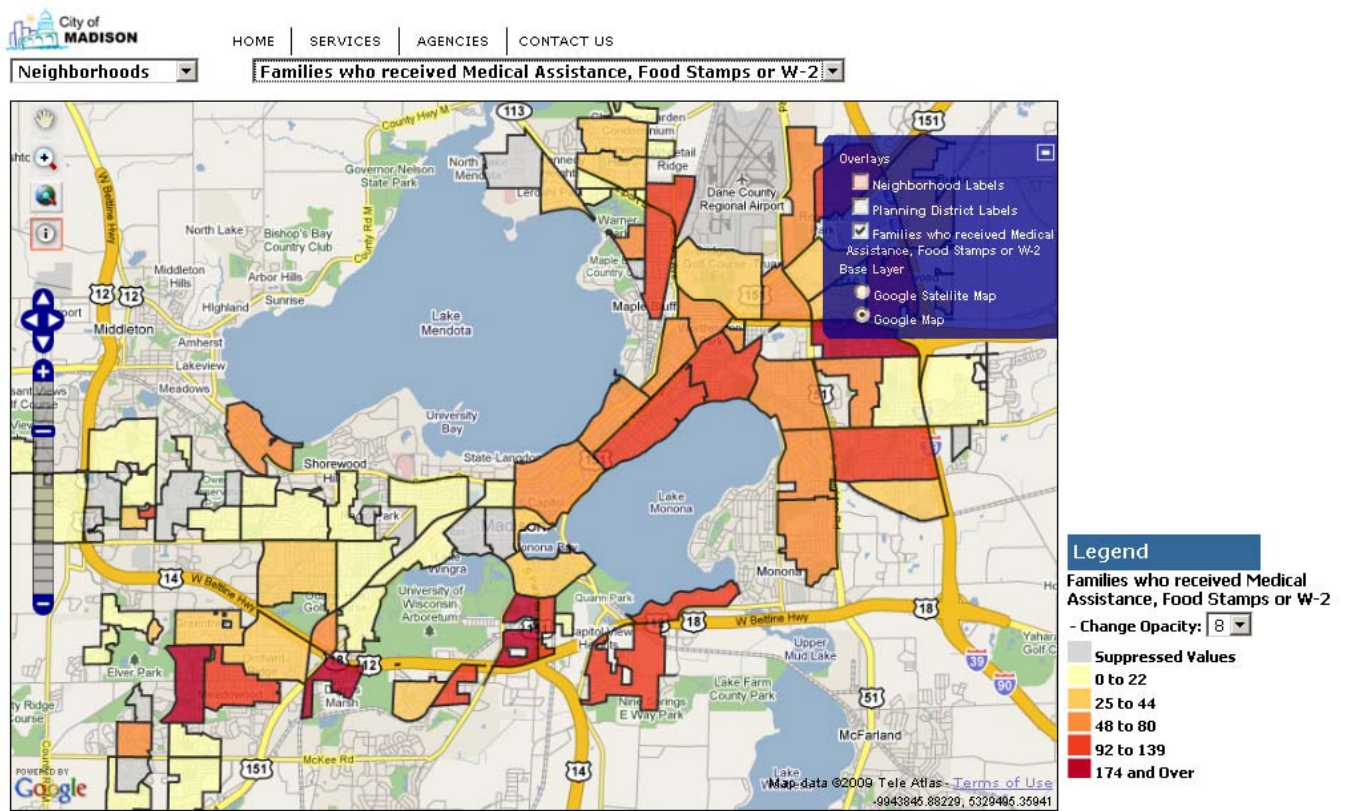
Save Data as CSV

Basic Area & Population Profile	City of Madison 2008	Highpoint Plan District	Bluff Acres Neighborhood Assn.
Acres	49,575	1,201	442
Housing Units	104,760	3,871	1,939
Total Population	223,070	7,052	3,976
Preschool Age Population	5.2%	6.2%	5.5%
Youth population	17.6%	19.4%	17.4%
Age 65 and Over	9.7%	6.0%	7.8%
White	77.7%	71.8%	68.0%
African American	6.0%	2.6%	8.0%
Asian	7.3%	13.2%	6.1%
Other Races or Multiracial	0.1%	0.0%	0.3%
Hispanic/Latino (of any race)	6.2%	10.6%	13.4%
Total Households	97,964	3,459	1,859
Family Households	46,050	1,472	894
Families with Children	21.8%	18.5%	20.3%
Female headed households with children	4.8%	4.2%	5.4%

Indicators	Value	Value	Value
Community Action and Involvement			

(image truncated)

Web Mapping



Madison Neighborhood Indicators Project, Last updated July 2009

Descriptive Statistics: Planning Districts

	Madison	Planning Districts			
		Minimum	Maximum	Mean	Std. Dev.
Land Area (acres)	49,576	250	1,355	627	263
Number of Housing Units	104,760	79	6,811	1,787	1,141
Total Population	223,070	146	17,373	3,817	2,649
Preschool Age Population (Age 0 to 4) - Number	11,651	9	566	195	127
Preschool Age Population (Age 0 to 4) - Percent	5.2	0.2	10.3	5.6	2.1
Youth Population (Age 0 to 17) - Number	39,215	30	1,733	662	416
Youth Population (Age 0 to 17) - Percent	17.6	0.6	30.6	19.2	6.5
Population Age 65 and Over - Number	21,717	12	1,381	374	251
Population Age 65 and Over - Percent	9.7	0.4	26.8	11.3	5.7
White - Number	173,354	124	14,314	2,988	2,199
White - Percent	77.7	21.6	96.4	79.2	13.9
Black or African American - Number	13,445	1	836	231	221
Black or African American - Percent	6.0	0.6	30.8	6.2	6.3
Asian - Number	16,352	4	1,428	258	307
Asian - Percent	7.3	0.6	25.6	6.0	4.8
Other Race or Multiracial - Number	6,051	2	357	103	69
Other Race or Multiracial - Percent	2.7	0.8	5.6	2.7	1.0
Hispanic or Latino - Number	13,867	3	1,236	236	240
Hispanic or Latino - Percent	6.2	1.1	30.7	5.9	5.2
Total Households	97,964	70	6,423	1,678	1,087
Family Households - Number	46,050	36	1,872	781	444
Family Households - Percent	47.0	4.1	75.8	52.0	16.0
Families with Children - Number	21,340	4	1,015	360	233
Families with Children - Percent	21.8	0.3	44.8	23.7	9.2
Female headed families with children - Number	4,716	1	193	80	60
Female headed families with children - Percent	4.8	0.1	15.6	5.1	3.3
Crimes against persons	2,618	0	264	39	48
Crimes against property	11,752	0	722	158	149
Crimes against society	9,578	0	1,442	138	229
Crashes	13,892	0	413	107	97
Calls for EMS / fire service	24,546	1	1,766	354	313
Kindergarten Preparedness - Number	8,018	0	452	138	101
Kindergarten Preparedness - Percent	66.5	32.5	100.0	69.1	17.8
Parent Education Level: No High School Diploma/G.E.D. - Number	1,198	0	125	20	25
Parent Education Level: Percent No High School Diploma/G.E.D. - Percent	9.5	0.0	35.1	8.4	9.0
Parent Education Level: College Graduate - Number	6,459	0	387	109	86
Parent Education Level: Percent College Graduate - Percent	51.5	0.0	98.1	52.3	28.3
High mobility students - Number	2,568	0	187	44	44
High mobility students - Percent	12.0	0.0	75.8	12.3	11.5
Students receiving free/reduced lunch - Number	8,815	0	671	149	154
Students receiving free/reduced lunch - Percent	41.3	0.0	88.9	37.8	25.8
Infant Health: Term or Near Term Births - Percent	98	86.5	97.3	97.5	2.5
Maternal Health: Appropriate Care - Percent	85.5	40.0	97.3	85.1	8.0
Youth opportunity index	2	0	5	1	1
Median household income	\$51,944	\$16,467	\$108,777	\$57,616	\$17,548
Families in poverty (among families) - Number	2,667	0	204	42	43
Families in poverty (among families) - Percent	5.8	0.0	50.3	6.6	8.3
Unemployed - Number	6,440	3	1,074	111	167
Unemployed - Percent	4.7	0.4	16.5	3.9	2.8
Families receiving income qualifying assistance (CARES)	5,391.00	1	294	86	80
Community Pride Violations	5189	3	674	90	118
Rate of community pride violations	0.05	0.00	0.33	0.05	0.05
Average house value	\$ 247,963	\$ 151,745	\$ 562,902	\$ 256,977	\$ 78,329
Square foot value of housing	\$ 133	\$ 57	\$ 248	\$ 137	\$ 29
Owner occupied homes - Number	46,164	12	2,054	795	492
Owner occupied homes - Percent	47.1	0.8	94.6	53.3	23.4
Metro proximity (parcels within 1/4 mi. proximity to bus stop) - Percent	---	---	---	---	---
Metro service (minutes of service/ per person)	---	---	---	---	---
Households with access to a vehicle - Number	86,728	69	3,581	1,485	827
Households with access to a vehicle - Percent	88.5	55.8	100.0	91.7	8.8
Bike Path Access - Number	50,924	0	4,988	1,233	1,098
Bike Path Access - Percent	47.9	0.0	100.0	57.8	33.5
Pavement Condition	---	---	---	---	---

Descriptive Statistics: Neighborhood Associations

	Madison	Neighborhood Associations			
		Minimum	Maximum	Mean	Std. Dev.
Land Area (acres)	49,576	15	720	273	179
Number of Housing Units	104,760	63	10,174	974	1,177
Total Population	223,070	114	23,476	2,082	2,651
Preschool Age Population (Age 0 to 4) - Number	11,651	7	272	105	72
Preschool Age Population (Age 0 to 4) - Percent	5.2	0.4	11.8	6.0	2.2
Youth Population (Age 0 to 17) - Number	39,215	22	894	360	243
Youth Population (Age 0 to 17) - Percent	17.6	0.8	36.2	20.5	6.2
Population Age 65 and Over - Number	21,717	7	822	200	175
Population Age 65 and Over - Percent	9.7	0.6	26.9	11.1	5.8
White - Number	173,354	83	18,998	1,640	2,186
White - Percent	77.7	19.4	96.5	76.5	16.2
Black or African American - Number	13,445	2	996	130	163
Black or African American - Percent	6.0	0.3	32.9	7.4	6.9
Asian - Number	16,352	3	1,745	128	220
Asian - Percent	7.3	0.6	28.2	6.3	5.2
Other Race or Multiracial - Number	6,051	2	524	57	64
Other Race or Multiracial - Percent	2.7	0.8	6.2	2.9	1.1
Hispanic or Latino - Number	13,867	4	1,212	127	170
Hispanic or Latino - Percent	6.2	1.0	33.8	7.0	6.5
Total Households	97,964	56	9,618	917	1,118
Family Households - Number	46,050	24	1,230	424	288
Family Households - Percent	47.0	4.2	84.2	54.1	14.6
Families with Children - Number	21,340	4	536	195	138
Families with Children - Percent	21.8	0.3	47.1	25.3	8.8
Female headed families with children - Number	4716	1	147	44	37
Female headed families with children - Percent	4.8	0.1	19.3	5.9	3.9
Crimes against persons	2,618	0	406	22	47
Crimes against property	11,752	0	1208	82	143
Crimes against society	9,578	0	2,132	81	239
Crashes	13,892	0	800	54	96
Calls for EMS / fire service	24,546	1	3,453	182	374
Kindergarten Preparedness - Number	8,018	0	309	79	69
Kindergarten Preparedness - Percent	66.5	21.1	100.0	67.2	19.5
Parent Education Level: No High School Diploma/G.E.D. - Number	1,198	0	62	11	15
Parent Education Level: Percent No High School Diploma/G.E.D. - Percent	9.5	0.0	37.3	8.1	8.9
Parent Education Level: College Graduate - Number	6,459	0	303	63	62
Parent Education Level: Percent College Graduate - Percent	51.5	0.0	100.0	52.2	28.2
High mobility students - Number	2,568	0	136	23	28
High mobility students - Percent	12.0	0.0	35.8	10.6	8.4
Students receiving free/reduced lunch - Number	8,815	0	445	79	95
Students receiving free/reduced lunch - Percent	41.3	0.0	93.7	38.0	28.0
Infant Health: Term or Near Term Births - Percent	98	86.5	100.0	97.9	2.6
Maternal Health: Appropriate Care - Percent	85.5	40.0	100.0	85.0	9.7
Youth opportunity index	2	0	6	2	1
Median household income	\$51,944	\$13,606	\$108,784	\$57,627	\$17,994
Families in poverty (among families) - Number	2,667	0	170	23	29
Families in poverty (among families) - Percent	5.8	0.0	32.7	7.0	7.5
Unemployed - Number	6440	2	1331	61	147
Unemployed - Percent	4.7	0.4	22.8	4.2	3.3
Families receiving income qualifying assistance (CARES)	5,391.00	1	192	47	49
Community Pride Violations	5189	1	1050	57	127
Rate of community pride violations	0.05	0.00	0.23	0.05	0.05
Average house value	\$ 247,963	\$ 137,890	\$ 592,267	\$ 244,192	\$ 82,715
Square foot value of housing	\$ 133	\$ 101	\$ 248	\$ 133	\$ 25
Owner occupied homes - Number	46,164	11	1,356	447	351
Owner occupied homes - Percent	47.1	0.7	96.2	55.9	22.1
Metro proximity (parcels within 1/4 mi. proximity to bus stop) - Percent	---	---	---	---	---
Metro service (minutes of service/ per person)	---	---	---	---	---
Households with access to a vehicle - Number	86,728	54	5,708	803	751
Households with access to a vehicle - Percent	88.5	59.3	100.0	91.9	8.2
Bike Path Access - Number	50,924	0	8,179	765	1,211
Bike Path Access - Percent	47.9	0.0	100.0	63.1	35.1
Pavement Condition	---	---	---	---	---

NHI 2008 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 defined here 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: Census 2000 TIGER files, City of Madison Planning & Development Unit, neighborhood boundaries, received 02/22/2008, planning districts, received 4/01/2009.

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

Source: APL calculation based on tabulation geography boundary file.

Number of housing units: 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: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Population : Estimated total population.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Preschool population: Estimated number and percent of persons age four and under.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Youth population: Estimated number and percent of persons age 17 and under.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Percent age 65 and over: Estimated number and percent of persons age 65 and over.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

White: 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: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

African American: 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: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Asian: 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: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Other Races or Multiracial: 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: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Hispanic or Latino (of any race): Estimated number and percent of the persons of any race who identify as Hispanic or Latino.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Households: 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: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Families: 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: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Families with children: Estimated number of families with children and families with children as a percentage of all households.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Female headed households with own children: Estimated number of female headed households with children (no husband present) and percent of all households that are female headed families with own children.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Crimes against persons: Total previous year crimes against persons (such as robbery, battery, sexual assault) ; data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall street-level geocoding match rate for crimes against persons: 89%.

Source: 2007 Incidents Records from Madison Police Department, received 07/08/2008; geocoded by APL.

Crimes against property: Total previous year crimes against property (such as residential burglary, retail burglary, auto theft); data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall match rate for crimes against property: 85%.

Source: 2007 Incidents Records from Madison Police Department, received 07/08/2008; geocoded by APL.

Crimes against society: Total previous year crimes against society (such as disturbances, liquor violations, and drug incidents); data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall match rate for crimes against society: 85%.

Source: 2007 Incidents Records from Madison Police Department, received 07/08/2008; geocoded by APL.

Crashes: Total previous year automobile crashes; data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall match rate for crashes: 48%.

Source: 2007 Incidents Records from Madison Police Department, received 07/08/2008; geocoded by APL.

Calls for emergency medical service: Total previous year calls for emergency medical service; data for tabulation geographies other than Madison citywide are limited to incidents successfully geocoded. Overall match rate for EMS calls: 90%.

Source: Madison Fire Department, received 09/15/2008.

Kindergarten preparedness: Number and percent of students identified as kindergarten ready through MMSD kindergarten readiness assessment; limited to children for whom data were available. Data available for 56% of MMSD students in the City of Madison.

Source: Madison Metropolitan School District, Third Friday of Sept. 2007 Counts, received 06/05/2008.

Students in HHs without HS 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 households for which data were available. Data available for 59% of MMSD students in the City of Madison.

Source: Madison Metropolitan School District, Third Friday of Sept. 2007 Counts, received 06/05/2008.

College graduate HHs: 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 households for which data were available. Data available for 59% of MMSD students in the City of Madison.

Source: Madison Metropolitan School District, Third Friday of Sept. 2007 Counts, received 06/05/2008.

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

Source: Madison Metropolitan School District, Third Friday of Sept. 2007 Counts, received 06/05/2008.

Percent of students receiving free/reduced lunch: Number and percent of MMSD students receiving free or reduced cost lunch; limited to students who participate in school lunch program. Data available for 100% of MMSD students in the City of Madison.

Source: Madison Metropolitan School District, Third Friday of Sept. 2007 Counts, received 06/05/2008.

Infant health: term or near term: Number and percent of all 2004-2006 births occurring after the complete 32nd week of gestation – data are limited to incidents successfully geocoded. Overall match rate for Dane County birth data: 97%.

Source: Public Health Madison & Dane County; Wisconsin Department of Health Services, received 10/17/08.

Maternal health: appropriate care: Number and percent of all 2004-2006 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's recommended visits – data are limited to incidents successfully geocoded. Overall match rate for Dane County birth data: 97%.

Source: Public Health Madison & Dane County; Wisconsin Department of Health Services, received 10/17/08.

Voter turn-out: November 2008 data to be released with 2009 profiles.

Source: City of Madison Information Services, received 3/10/09.

Youth opportunity index: This indicator looks at 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 04/03/2008 & Commercial properties database current as of 1/01/2009, received 3/12/2009; Community Centers: City of Madison Planning & Development Unit., received 08/11/2008; Libraries & Religious Organizations: Metropolitan Planning Organization, InfoUSA data extract, received 05/28/2008; School Locations: Madison Metropolitan School District, received 07/25/2008; School Program Info: MMSD website 07/25/2008; APL proximity calculation.

Median household income: Estimated median household income.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Families in poverty: Estimated number and percent of families in poverty.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Unemployment rate: Estimated number and percent unemployment for civilian labor force population age 16 and over.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Families who received medical assistance, food stamps or W-2: Number of families with one or more minor children who received Medical Assistance, Food Stamps and/or W-2 benefits in September 2007.

Source: Dane County Department of Human Services, based on the Wisconsin Department of Children and Families (formerly Health and Family Services) CARES Extract, September 2007.

Basic goods & services: Basic goods and services found within ¼ mile of neighborhood. 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). The presence of clinics will be substituted for hospitals in subsequent iterations.

Source: Metropolitan Planning Organization, InfoUSA data extract, received 05/28/2008; Public Health Madison & Dane County (forthcoming); APL proximity calculation.

Community pride violations: Total community pride violations in 2007: These include violations in the following categories: Graffiti; Grass & Weeds; Junk, Trash & Debris; Property Maintenance; and Zoning. Snow and ice related violations are excluded due to weather related year to year variation.

Source: City of Madison Building Inspection Unit, received 03/11/2008.

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 04/03/2008.

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

Source: City of Madison Planning & Development Unit: SITUS database, received 04/03/2008; Bldfl and Bldng databases (for floor area), received 04/02/2008.

Rate of home ownership: Estimated number and percent of occupied housing units that are owner occupied.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Metro proximity: Percent of Neighborhood parcels that fall within 1/4 mile of a bus stop.

Source: City of Madison - Metro Transit, forthcoming.

Metro service: Annualized weekday service minutes in the neighborhood per capita.

Source: City of Madison - Metro Transit, forthcoming; Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Vehicle ownership: Number and percent of occupied households that have access to a private vehicle at home.

Source: Claritas 2008 (current year) block group estimates, received 06/05/2008; APL interpolation to tabulation geography.

Bike path access: Percent of neighborhood dwelling units that fall within 1/2 mile of a bike path.

Source: City of Madison Planning & Development Unit: SITUS database, received 04/03/2008 & Commercial properties database current as of 1/01/2009, received 3/12/2009; City of Madison Engineering Division, received 9/30/2008; APL proximity calculation.

Pavement condition: Unweighted average condition rating of City street segments completely contained within the boundary. This year's pavement ratings and street resurfacing/reconstruction have not been entered into pavement database yet, as both activities are still in progress. **Source:** City of Madison Engineering Division, forthcoming.

Definitions last updated: July 27, 2009

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

In order to limit the file size of this 2008 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 Planning District & Neighborhood Association Reports

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