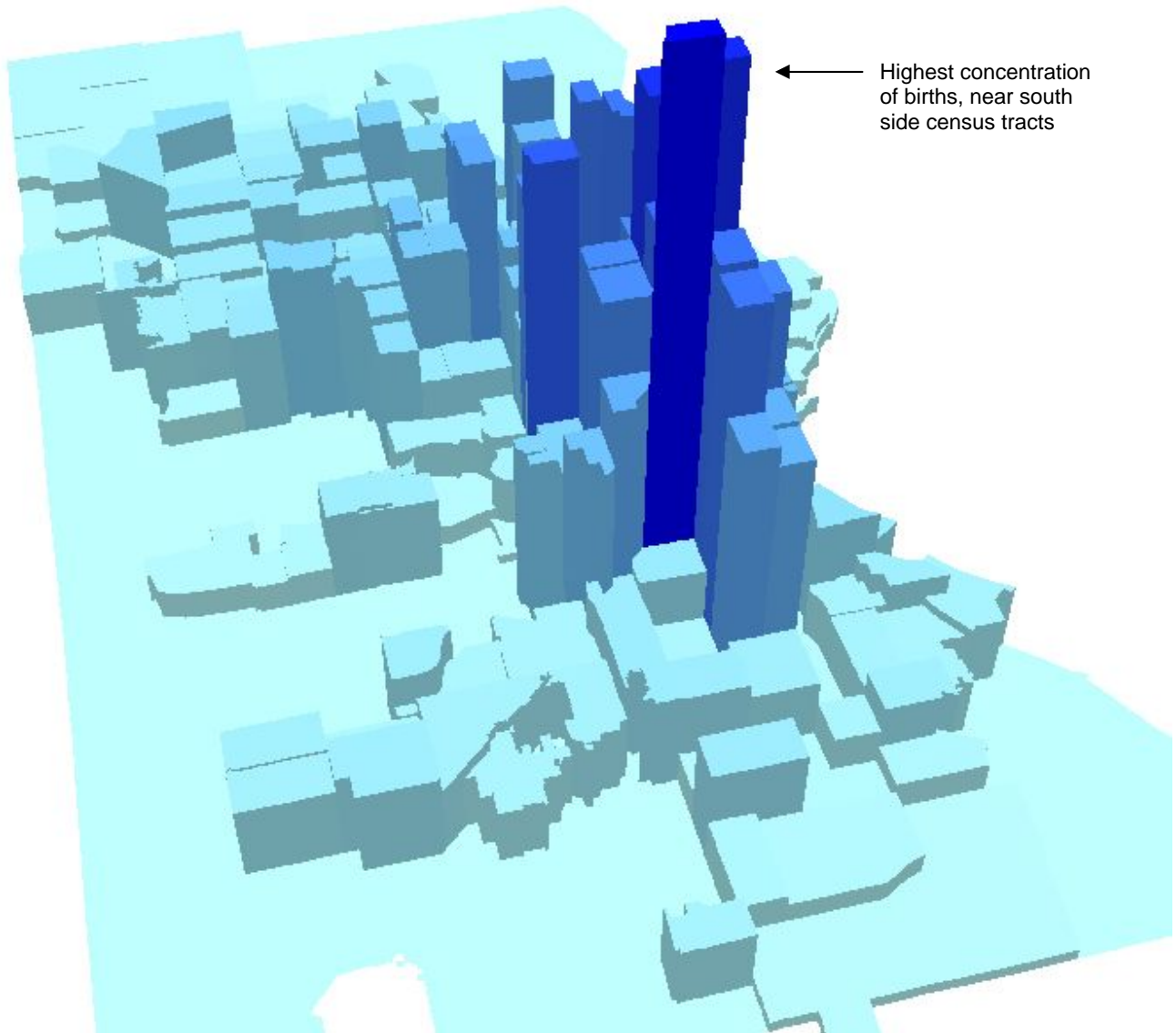


Analysis of Milwaukee Births: Diversity and Concentration

Density of Births by Census Tract: 2008



Report based on data analysis by John Pawasarat and Lois M. Quinn, Employment & Training Institute, University of Wisconsin-Milwaukee for Milwaukee Public Schools and the Milwaukee Area Workforce Investment Board, 2011.

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I. City of Milwaukee Births: 1999-2008

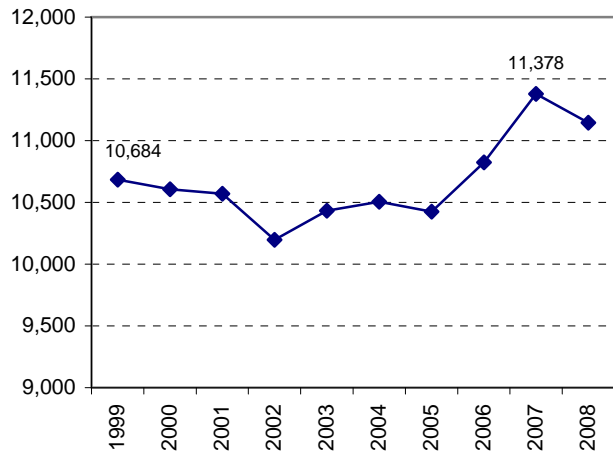
A total of 106,767 children were born to mothers living in the city of Milwaukee over the ten-year period from 1999 through 2008. Milwaukee showed a stable number of annual births (around 10,500) in the first half of the ten-year period, followed by increases beginning in 2006. The birth population of the city continues to diversify.

Birth statistics collected by the city health department are revised by the state, and their release typically lags by 2 years. A small number of births were removed with census tracts or ZIP codes outside the city. For each birth, the following fields were provided by the Milwaukee health department: date of birth, gender, race/ethnicity of the mother (white, African American, Hispanic, Native American, Hmong, other), and the census tract and ZIP code of the mother's residence. All race/ethnicity data refer to the mother's identity.

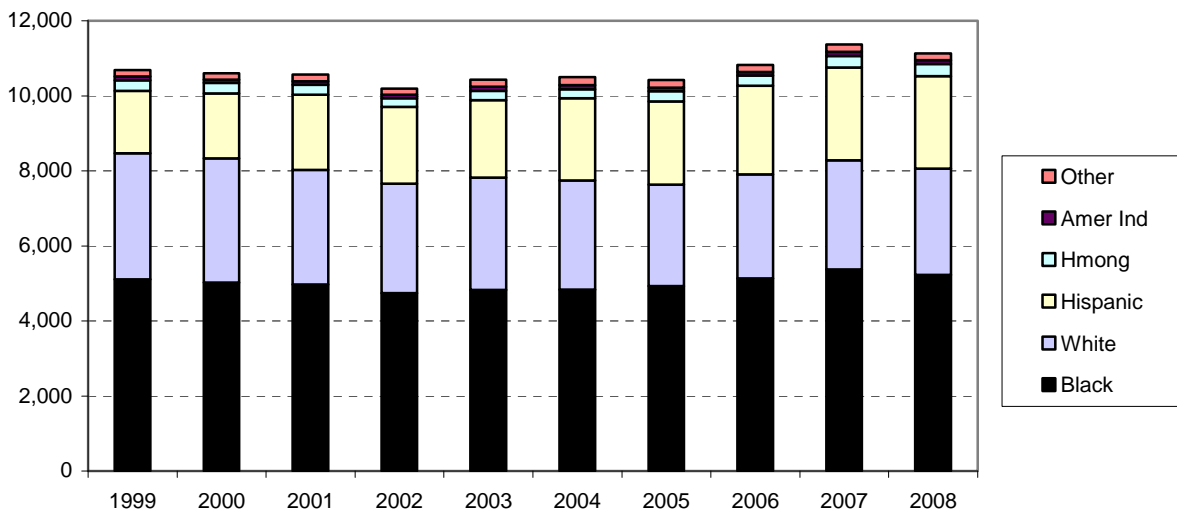
Annual births to city of Milwaukee residents remained stable at around the 10,500 level from 1999 through 2005, and then increased to 11,372 in 2007 and 11,131 in 2008.

Milwaukee births reflect a highly diverse city. A 16% decline in the number of white births over the 10-year period has been more than offset by a 49% increase in Hispanic births. African Americans showed a modest increase (2.4%) in births in 2008 compared to 1999 – after a drop in the middle years. Hmong births showed a 6.5% increase.

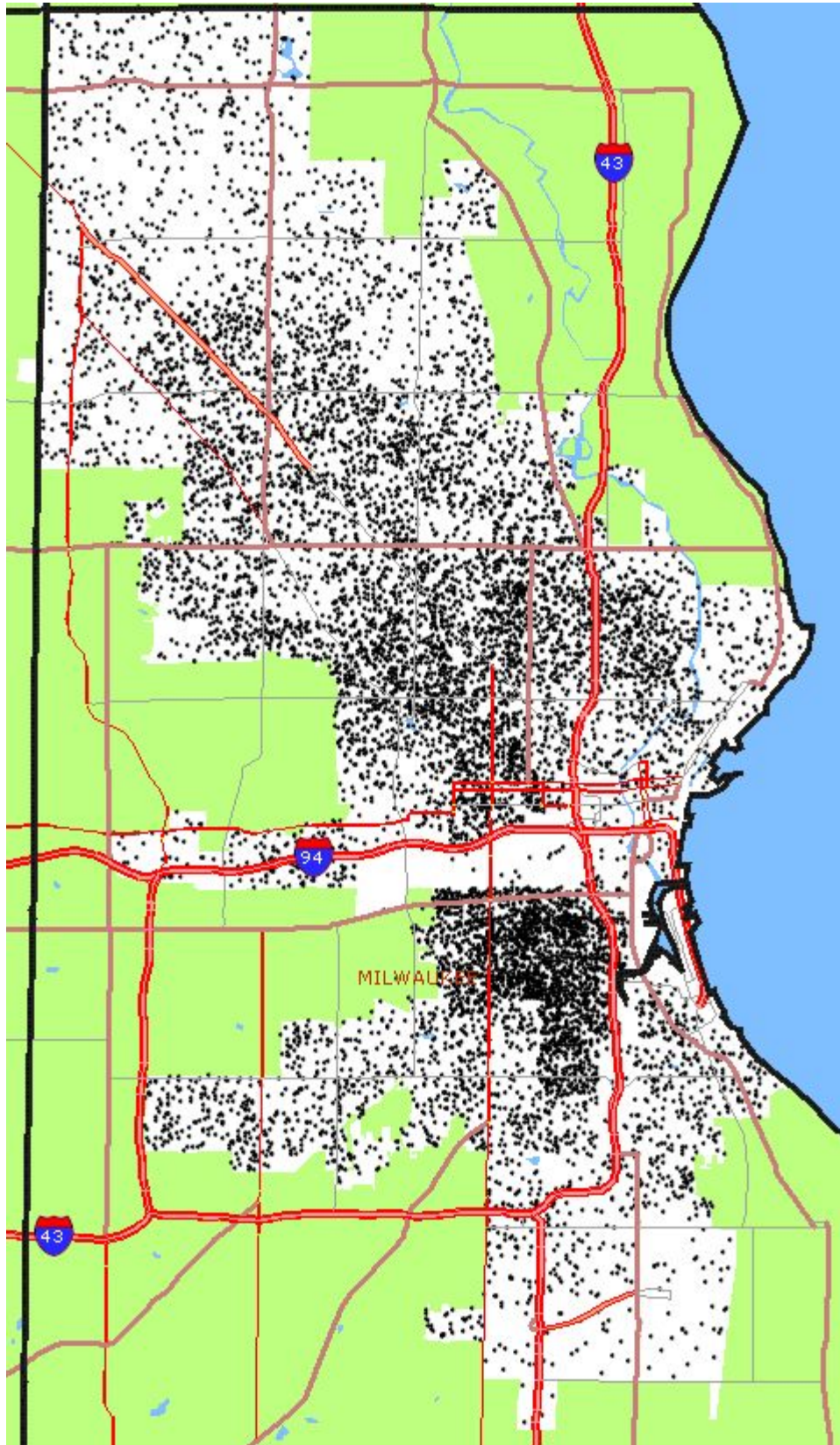
Milwaukee Births



MILWAUKEE BIRTHS: 1999-2008



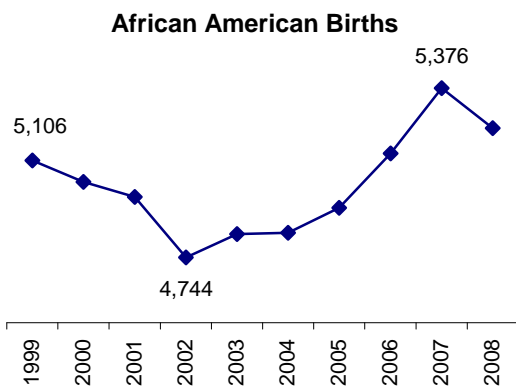
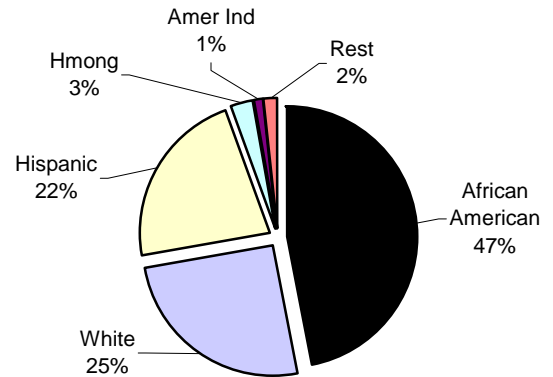
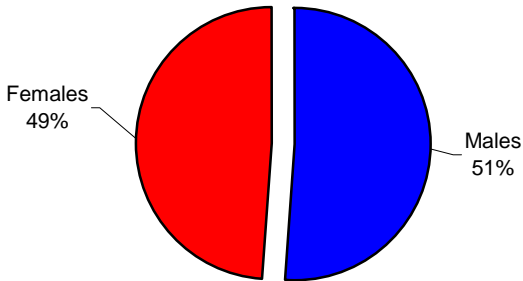
Births in the City of Milwaukee: 2008



Dots are distributed randomly within census tracts.

2008 Milwaukee Births

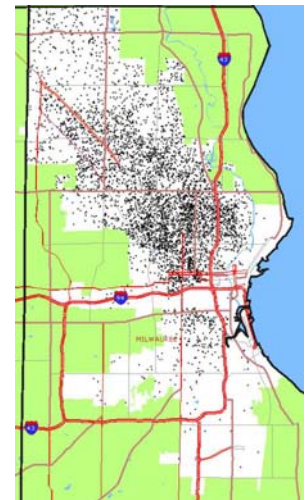
Each year the city has recorded a slightly higher number of births of boys than girls, with 51% of the births males and 49% females.



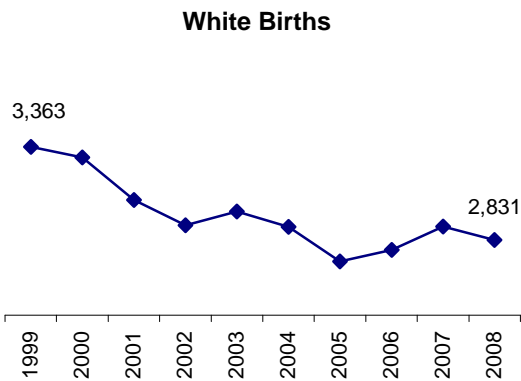
African Americans have the largest number of births each year in Milwaukee, with 47% of all births over the 10-year period.

After a drop to 4,744 in 2002, African American births have totaled over 5,000 annually from 2006-2008.

African American births are highest in the north side zipcodes 53206 (N=650), 53218 (N=641), and 53209 (n=619), followed by 53216 (N=488), 53210 (N=481), and 53212 (N=369).



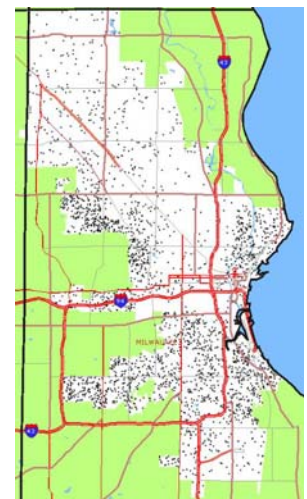
2008 African American Births



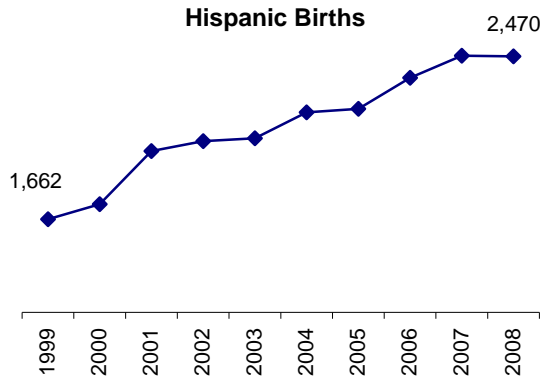
Whites made up 25% of all city births in 2008, down from 31% ten years earlier.

White births declined steadily from 2,363 in 1999 to a low of 2,708 in 2005, rising to 2,773 in 2006; 2,908 in 2007; and 2,831 in 2008.

In 2008 births to whites were highest on the southeast side of Milwaukee in 53207 (N=363) and 53215 (N=251), followed by 53222 (N=237) on the west and 53221 (N=236) on the south side.



2008 White Births



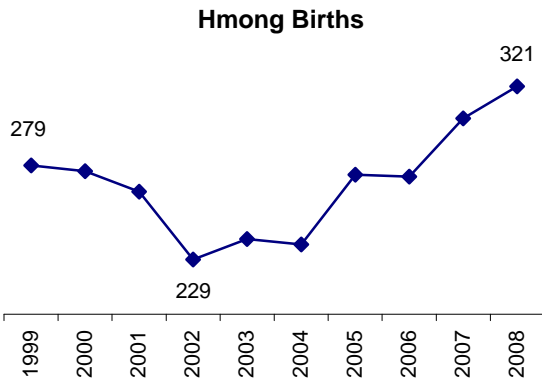
The largest birth increases have been seen among **Hispanics**, where births rose from 1,662 in 1999 to 2,470 in 2008.

Hispanics' share of total city births rose from 16% in 1999 to 22% in 2008.

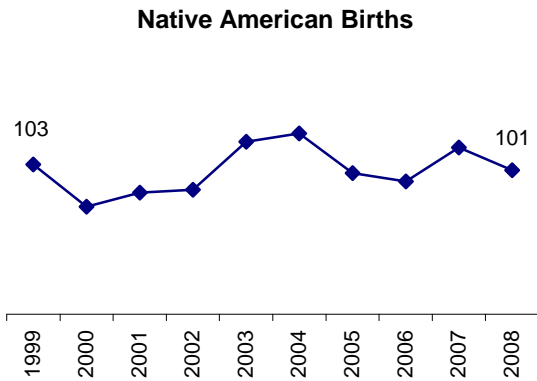
Hispanic births were most heavily concentrated in the near south side zipcodes 53215 (N=980) and 53204 (N=774) in 2008.



2008 Hispanic births



The number of **Hmong** births has been on the increase since 2002. In 2008 the most Hmong births were in the northwest side zipcode 53218 (N=87) and west side 53208 (N=73).



Native Americans have had about 100 births a year over the past decade. In 2008 the most Native American births were in the near south side zipcodes of 53215 (N=21) and 53204 (N=12).

Milwaukee Births: 1999-2008

Year	African Americans	Whites	Hispanics	Hmong	American Indians	Other#	TOTAL
1999	5,106	3,363	1,662	279	103	170	10,684
2000	5,026	3,303	1,737	276	88	174	10,606
2001	4,969	3,059	2,000	265	93	183	10,569
2002	4,744	2,914	2,049	229	94	167	10,197
2003	4,831	2,994	2,063	240	111	193	10,432
2004	4,836	2,906	2,192	237	114	219	10,504
2005	4,929	2,708	2,210	274	100	205	10,426
2006	5,132	2,773	2,363	273	97	185	10,823
2007	5,376	2,908	2,473	304	109	206	11,378
2008	5,227	2,831	2,470	321	101	205	11,145
10 Years	50,176	29,759	21,219	2,698	1,010	1,897	106,764

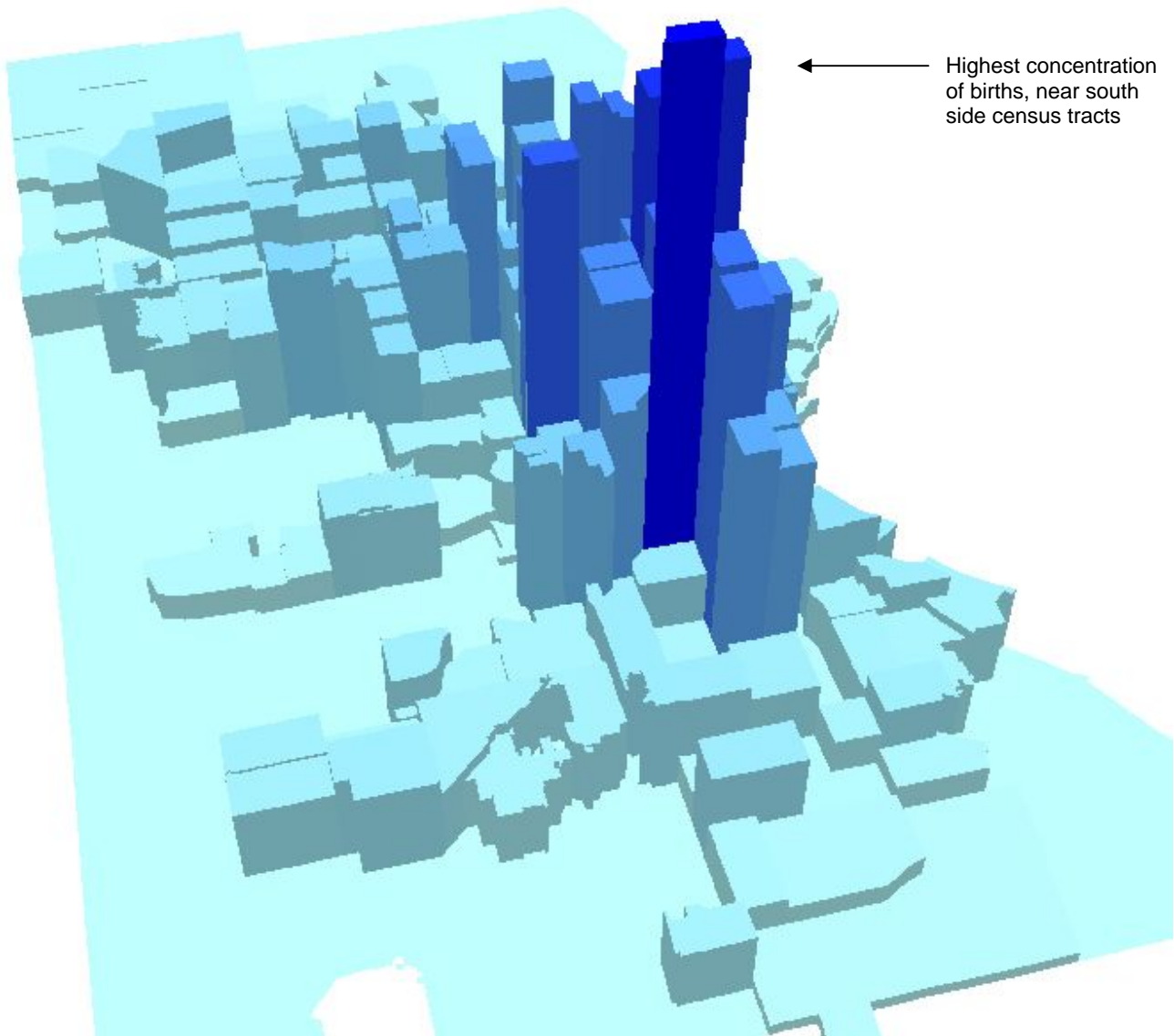
Includes 30 births with missing race/ethnicity data.

Concentrations of the City Birth Populations

Over the ten year period the highest numbers of births were seen in 2 south side zipcodes: 53215 (12,244 births) and 53204 (10,686). On the north side zipcodes 53218, 53208, 53206 and 53209 all had over 6,000 births during the 10-year period.

The map below shows concentrations of 2008 births per square mile by census tract. The highest birth density was seen in census tract 174 around S. 16th Street and Lincoln Avenue (with 792 births per square mile) and census tracts 163 and 164 around S. Cesar E. Chavez Drive and W. Mitchell Street (with 711 and 691 births per square mile, respectively). On the north side the highest birth density was seen in census tract 90 around N. 35th Street and North Avenue (with 600 births per square mile).

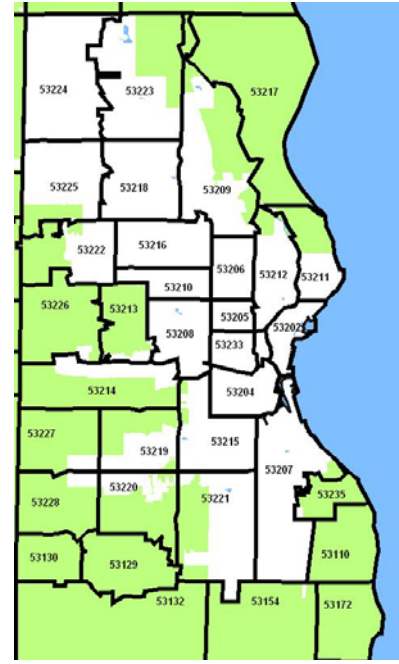
Density of Births by Census Tract: 2008



Growth/Decline by Neighborhoods

When births in the most recent 3 years of the study period (2006-2008) were compared to births in the first 3 years (1999-2001), 9 zipcodes showed sizeable percent **increases**, with the highest increases seen in south side 53215 (up 24%), west side 53222 (up 22%), and south side 53221 (up 20%).

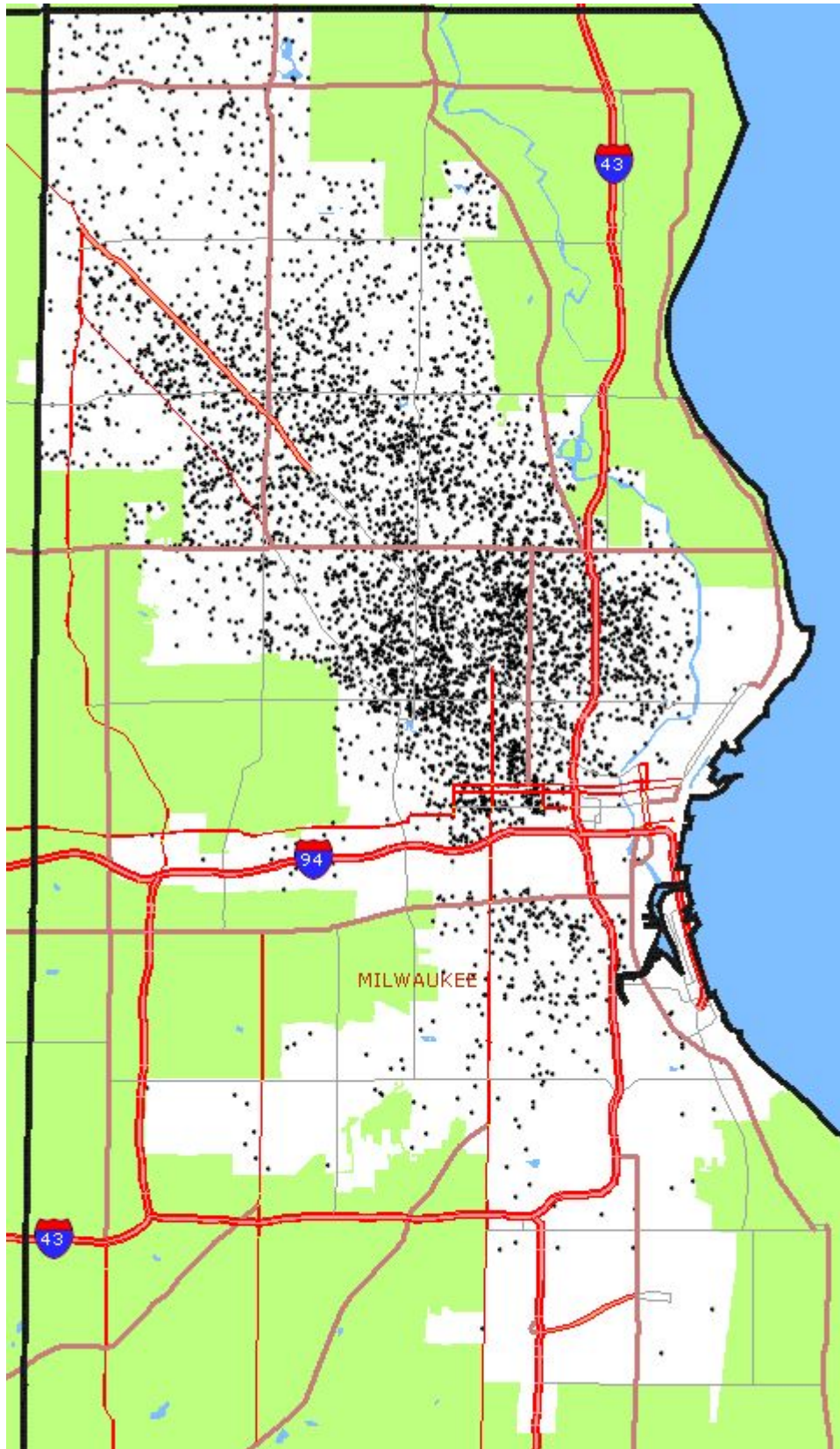
Six zipcodes showed sizeable **decreases** in births, with the largest percentage decreases on the east side in zipcode 53211 (a 30% decrease) and the west side zipcode 53214 (a 29% decrease).



Milwaukee Births by ZIP Code

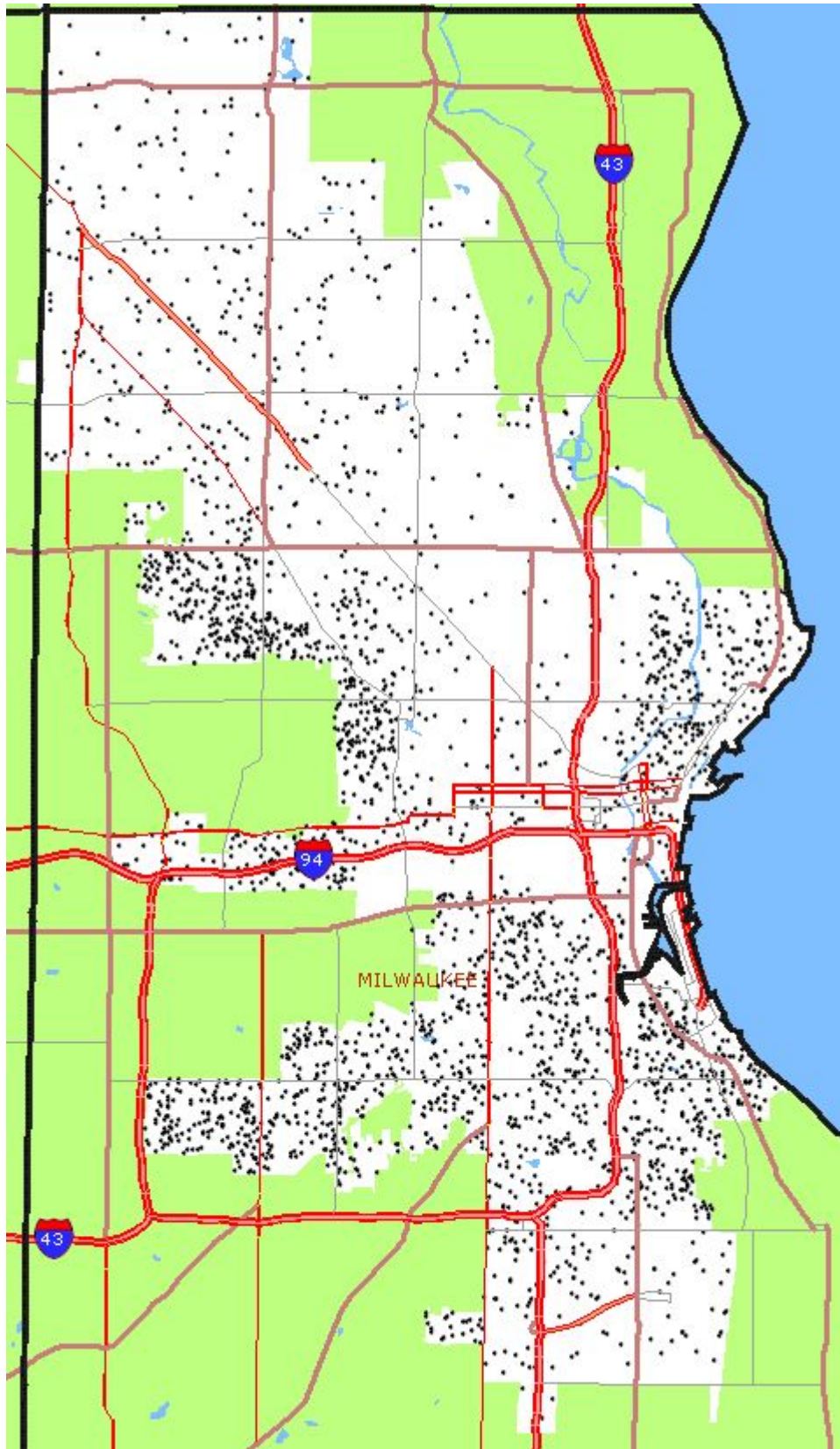
ZIP Code	10-Year Total Births	Births in Earliest 3 Years (1999-2001)	Births in Most Recent 3 Years (2006-2008)	Growth/Decline in Births	Change
53215	12,244	3,290	4,065	775	Very high growth (+24%)
53204	10,686	3,174	3,216	42	Stable (+1%)
53218	7,677	2,196	2,508	312	High growth (+14%)
53208	7,257	2,389	2,047	-342	High decline (-14%)
53206	6,974	2,288	2,055	-233	High decline (-10%)
53209	6,908	2,082	2,116	34	Stable (+2%)
53210	6,285	1,957	1,927	-30	Near stable (-2%)
53212	5,898	1,927	1,706	-221	High decline (-11%)
53216	5,682	1,696	1,718	22	Stable (+1%)
53207	5,017	1,513	1,544	31	Stable (+2%)
53225	4,681	1,354	1,524	170	High growth (+13%)
53221	3,695	1,006	1,208	202	Very high growth (+20%)
53224	3,626	1,034	1,182	148	High growth (+14%)
53222	3,335	910	1,111	201	Very high growth (+22%)
53223	2,754	756	888	132	High growth (+17%)
53205	2,393	776	730	-46	Decline (-6%)
53219	2,247	617	718	101	High growth (+16%)
53233	1,582	502	465	-37	Decline (-7%)
53220	1,392	393	453	60	High growth (+15%)
53214	1,383	501	354	-147	Very high decline (-29%)
53211	1,220	440	309	-131	Very high decline (-30%)
53202	1,185	341	368	27	Growth (+8%)
53213	608	184	184	0	Stable (0% change)
53227	508	156	168	12	Growth (+8%)
53228	480	165	140	-25	High decline (-15%)
53226	234	74	75	1	Stable (1%)
CITY TOTAL	106,767	31,860	33,346	1,486	Growth (+5%)

African American Births in the City of Milwaukee: 2008



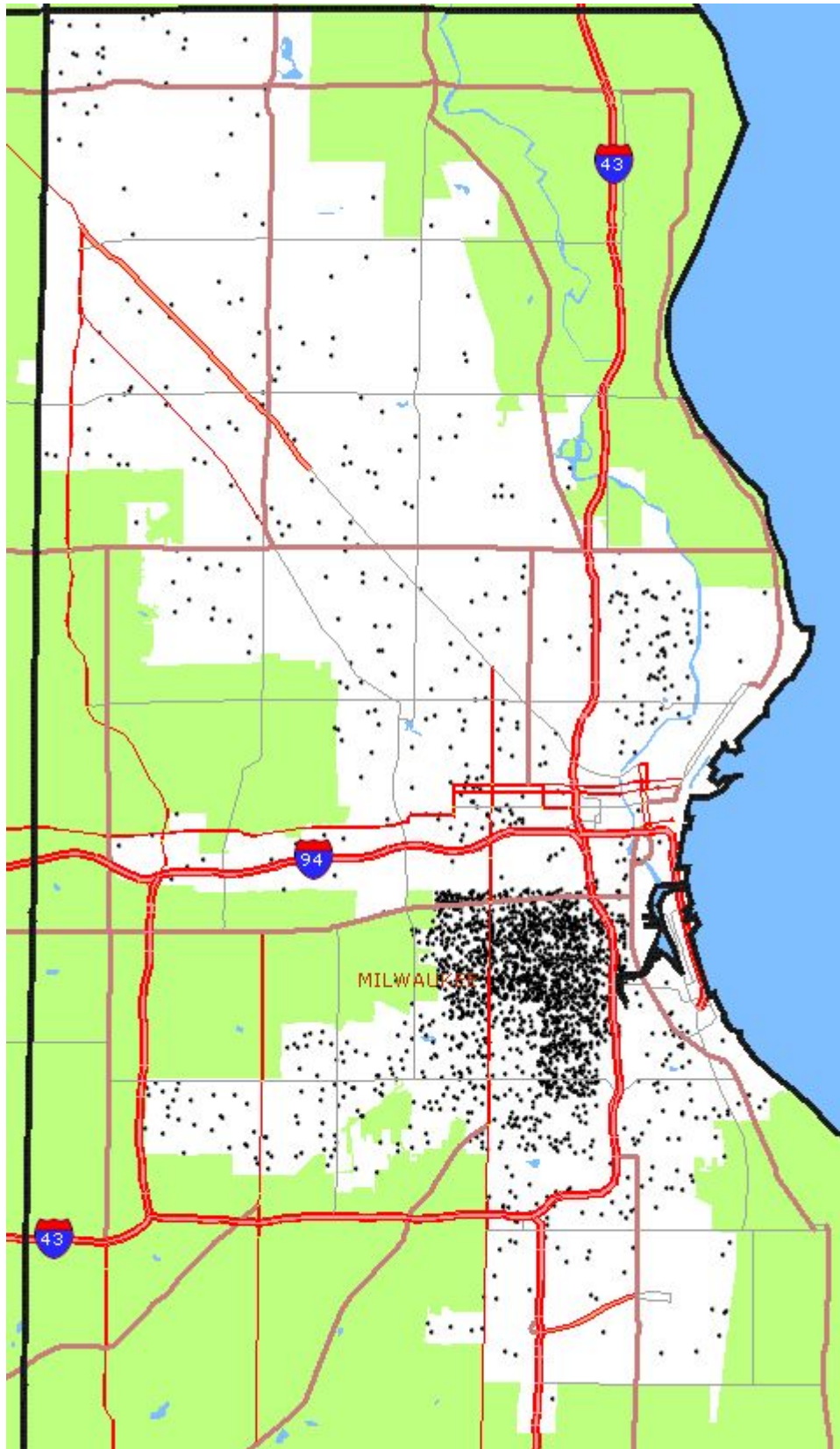
Dots are distributed randomly within census tracts.

White Births in the City of Milwaukee: 2008



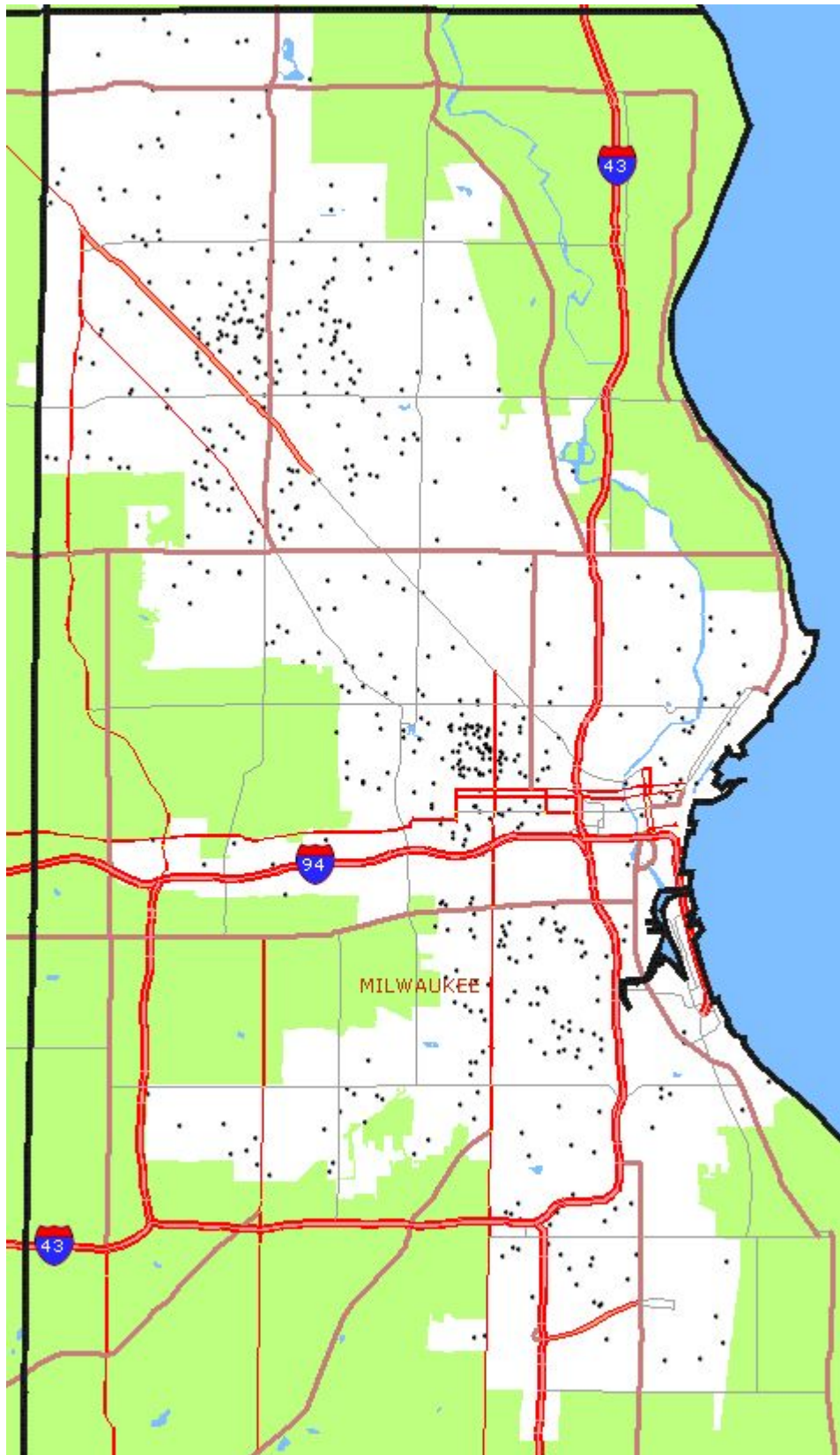
Dots are distributed randomly within census tracts.

Hispanic Births in the City of Milwaukee: 2008



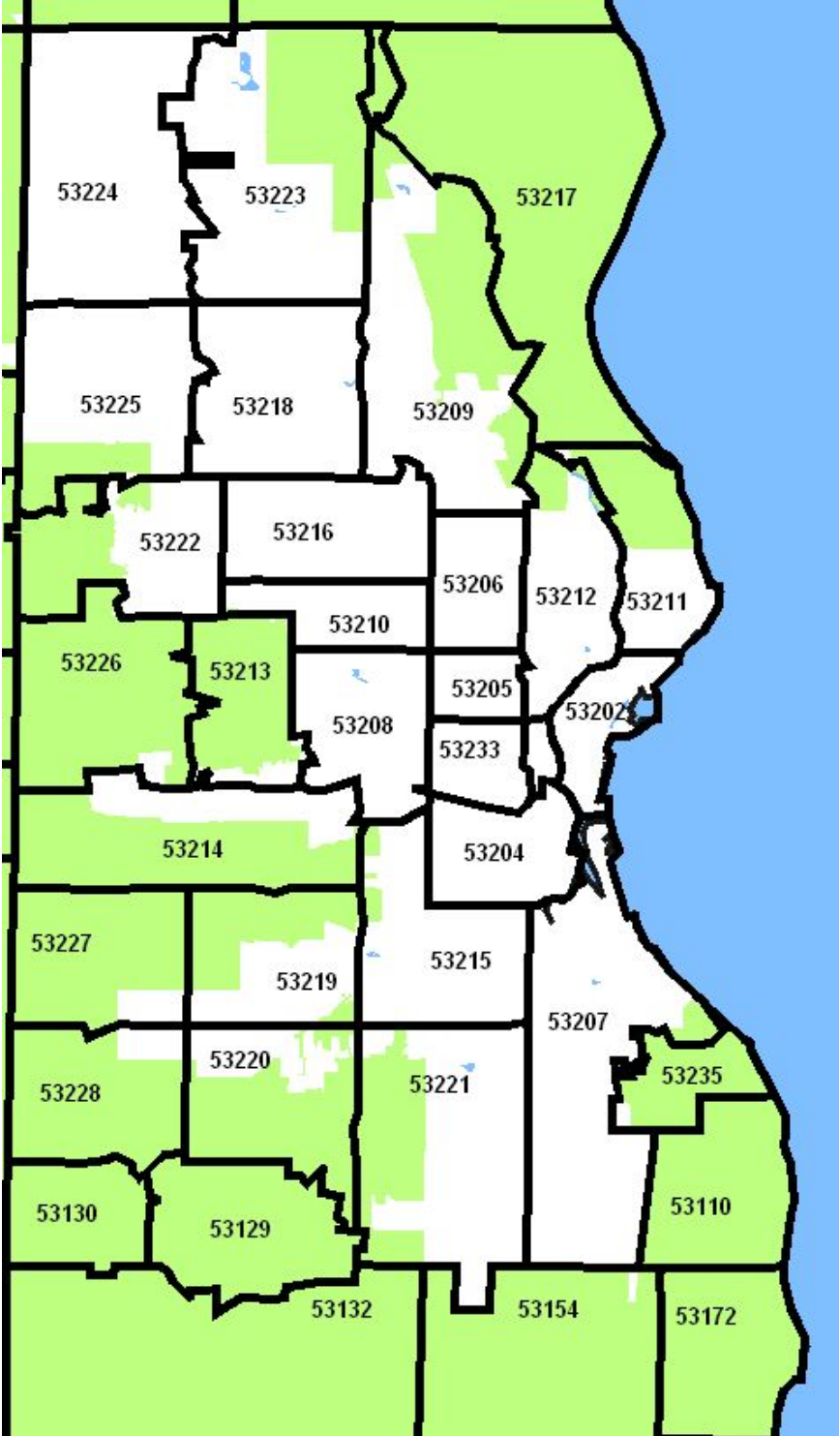
Dots are distributed randomly within census tracts.

Other Births in the City of Milwaukee: 2008
(Excluding the African American, White, and Hispanic Births Mapped Above)



Dots are distributed randomly within census tracts.

ZIP Codes in Milwaukee (white) and Milwaukee County Suburbs (shaded)



II. Diversity of Children under Age 5 by Milwaukee County and Second Tier Suburban Communities

The newly released 2010 U.S. Census data for children under age 5 show that Milwaukee continues to be far more diverse than any other community in the area. As with the birth patterns, African Americans comprise the largest group of city young children, followed by Hispanics and whites.

Children under Age 5 in City of Milwaukee: 2010 Census

<u>Race/Ethnicity</u>	<u>Children under Age 5</u>	<u>% of Total</u>
White (non-Hispanic)	8,861	18%
African American	22,861	47%
Hispanic	12,887	27%
Asian, Nat. Amer., Other, More than 1 race	<u>4,085</u>	<u>8%</u>
Total Milwaukee Children under Age 5	48,694	100%

Two Milwaukee County suburbs now have minority populations that exceed 50 percent of their children under age 5. In West Milwaukee, nearly half of the youngest children are Latino and 9 percent are African American. In Brown Deer 30 percent of the youngest children is African American. Whites remain the majority population of young children in all of the other Milwaukee County suburbs.

Children under Age 5 in West Milwaukee and Brown Deer: 2010 Census

<u>Children under Age 5</u>	<u>West Milwaukee</u>		<u>Brown Deer</u>	
	<u>Number</u>	<u>% of Total</u>	<u>Number</u>	<u>% of Total</u>
White, non-Hispanic	103	32%	312	48%
African American	31	9%	200	30%
Hispanic	156	48%	44	7%
Asian, Nat. Amer, Other, More than 1 race	<u>36</u>	<u>11%</u>	<u>100</u>	<u>15%</u>
Total	326	100%	656	100%

**Distribution of Children under Age 5 by Race/Ethnicity and Community:
Milwaukee County, 2010 U.S. Census**

**African American Children under Age 5:
2010 U.S. Census**

<u>Municipality</u>	<u>Number</u>	<u>% of Community's Children under Age 5</u>
Milwaukee	22,861	47%
18 Suburbs	1,075	5%
West Allis	208	5%
Brown Deer	200	30%
Wauwatosa	138	5%
Glendale	77	13%
Greenfield	77	4%
Oak Creek	76	3%
Cudahy	60	5%
South Milwaukee	49	4%
Franklin	47	3%
West Milwaukee	31	10%
Whitefish Bay	31	3%
Shorewood	25	4%
Greendale	18	3%
St. Francis	16	3%
Bayside	8	4%
Fox Point	6	2%
River Hills	4	8%
Hales Corners	4	1%

**Latino Children under Age 5:
2010 U.S. Census**

<u>Municipality</u>	<u>Number</u>	<u>% of Community's Children under Age 5</u>
Milwaukee	12,887	26%
18 Suburbs	2,904	14%
West Allis	788	20%
Greenfield	378	21%
Oak Creek	299	13%
Cudahy	244	20%
South Milwaukee	237	20%
Wauwatosa	183	6%
West Milwaukee	156	48%
Franklin	155	8%
St. Francis	97	21%
Greendale	93	13%
Whitefish Bay	58	6%
Glendale	51	9%
Brown Deer	44	7%
Shorewood	44	7%
Hales Corners	39	10%
Fox Point	21	6%
Bayside	10	5%
River Hills	7	14%

**White (Non-Hispanic) Children under Age 5:
2010 U.S. Census**

<u>Municipality</u>	<u>Number</u>	<u>% of Community's Children under Age 5</u>
Milwaukee	8,861	18%
18 Suburbs	14,509	70%
West Allis	2,542	65%
Wauwatosa	2,345	80%
Oak Creek	1,623	72%
Franklin	1,394	75%
Greenfield	1,142	62%
Whitefish Bay	854	82%
South Milwaukee	851	71%
Cudahy	812	67%
Greendale	525	76%
Shorewood	482	73%
Glendale	400	67%
Brown Deer	312	48%
St. Francis	307	65%
Hales Corners	306	79%
Fox Point	302	85%
Bayside	176	81%
West Milwaukee	103	32%
River Hills	33	67%

**Other Minority Children* under Age 5:
2010 U.S. Census**

<u>Municipality</u>	<u>Number</u>	<u>% of Community's Children under Age 5</u>
Milwaukee	4,085	8%
18 Suburbs	2,185	11%
West Allis	389	10%
Franklin	273	15%
Wauwatosa	255	9%
Oak Creek	251	11%
Greenfield	245	13%
Shorewood	107	16%
Brown Deer	100	15%
Cudahy	95	8%
Whitefish Bay	93	9%
Glendale	71	12%
South Milwaukee	70	6%
Greendale	59	8%
St. Francis	49	10%
Hales Corners	38	10%
West Milwaukee	36	11%
Fox Point	26	7%
Bayside	23	11%
River Hills	5	10%

*Other minority children include Asians, Native Americans, other minorities, and children of more than one racial/ethnic group.

Nine municipalities in the second tier suburbs adjacent to Milwaukee County on the north and west have 7,936 children under age 5, according to the 2010 U.S. Census. Most of the children (84 percent) are white, with 2 percent African American, 5 percent Latino, and 9 percent other minorities (including Asians, Native Americans, and children of two or more racial/ethnic groups).

**Distribution of Children under Age 5 by Race/Ethnicity and Community:
Second Tier Bordering Suburbs, 2010 U.S. Census**

**African American Children under Age 5:
2010 U.S. Census**

<u>Municipality</u>	<u>Number</u>	<u>% of Community's Children under Age 5</u>
Menomonee Falls	79	4%
Mequon	28	3%
Brookfield, city	15	1%
Sussex	11	1%
Cedarburg, city	10	2%
Muskego	5	0%
Thiensville	3	2%
Elm Grove	3	1%
Butler	2	2%

**Latino Children under Age 5:
2010 U.S. Census**

<u>Municipality</u>	<u>Number</u>	<u>% of Community's Children under Age 5</u>
Menomonee Falls	95	5%
Brookfield, city	75	4%
Muskego	65	5%
Mequon	49	5%
Sussex	45	6%
Cedarburg, city	24	4%
Elm Grove	13	5%
Butler	12	13%
Thiensville	8	5%

**White (Non-Hispanic) Children under Age 5:
2010 U.S. Census**

<u>Municipality</u>	<u>Number</u>	<u>% of Community's Children under Age 5</u>
Menomonee Falls	1,641	81%
Brookfield, city	1,347	79%
Muskego	1,194	91%
Mequon	837	85%
Sussex	629	85%
Cedarburg, city	563	91%
Elm Grove	238	87%
Thiensville	126	80%
Butler	74	80%

**Other Minority Children* under Age 5:
2010 U.S. Census**

<u>Municipality</u>	<u>Number</u>	<u>% of Community's Children under Age 5</u>
Brookfield, city	270	16%
Menomonee Falls	222	11%
Mequon	75	8%
Muskego	54	4%
Sussex	53	7%
Cedarburg, city	25	4%
Thiensville	21	13%
Elm Grove	21	8%
Butler	4	4%

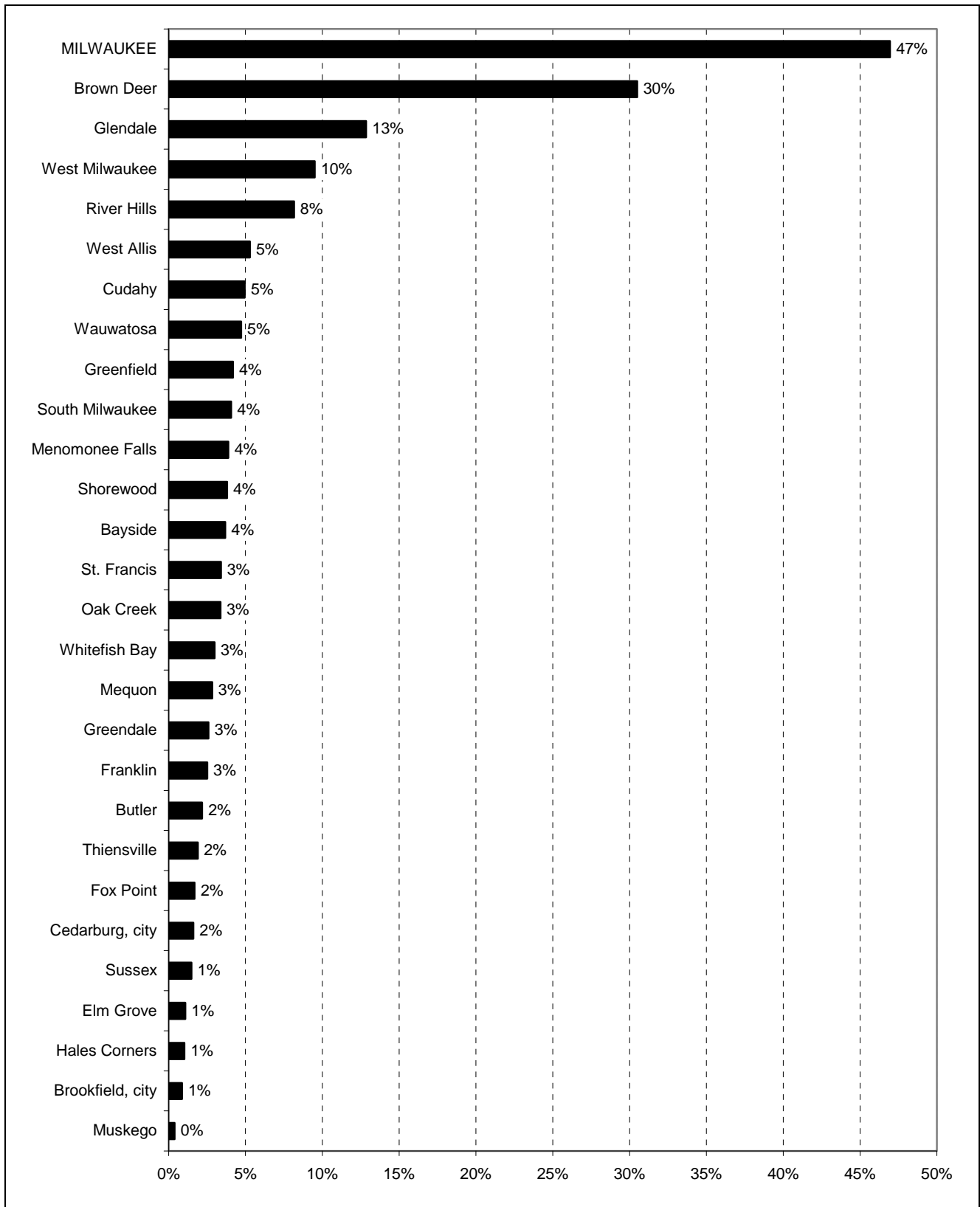
*Other minority children include Asians, Native Americans, other minorities, and children of more than one racial/ethnic group.

As a whole, the WOW counties are far less diverse than Milwaukee County. While the total young child population of the metro area is 50 percent white, 88 percent of the young children in Ozaukee and Washington counties are whites, and 81 percent of young children in Waukesha County are white.

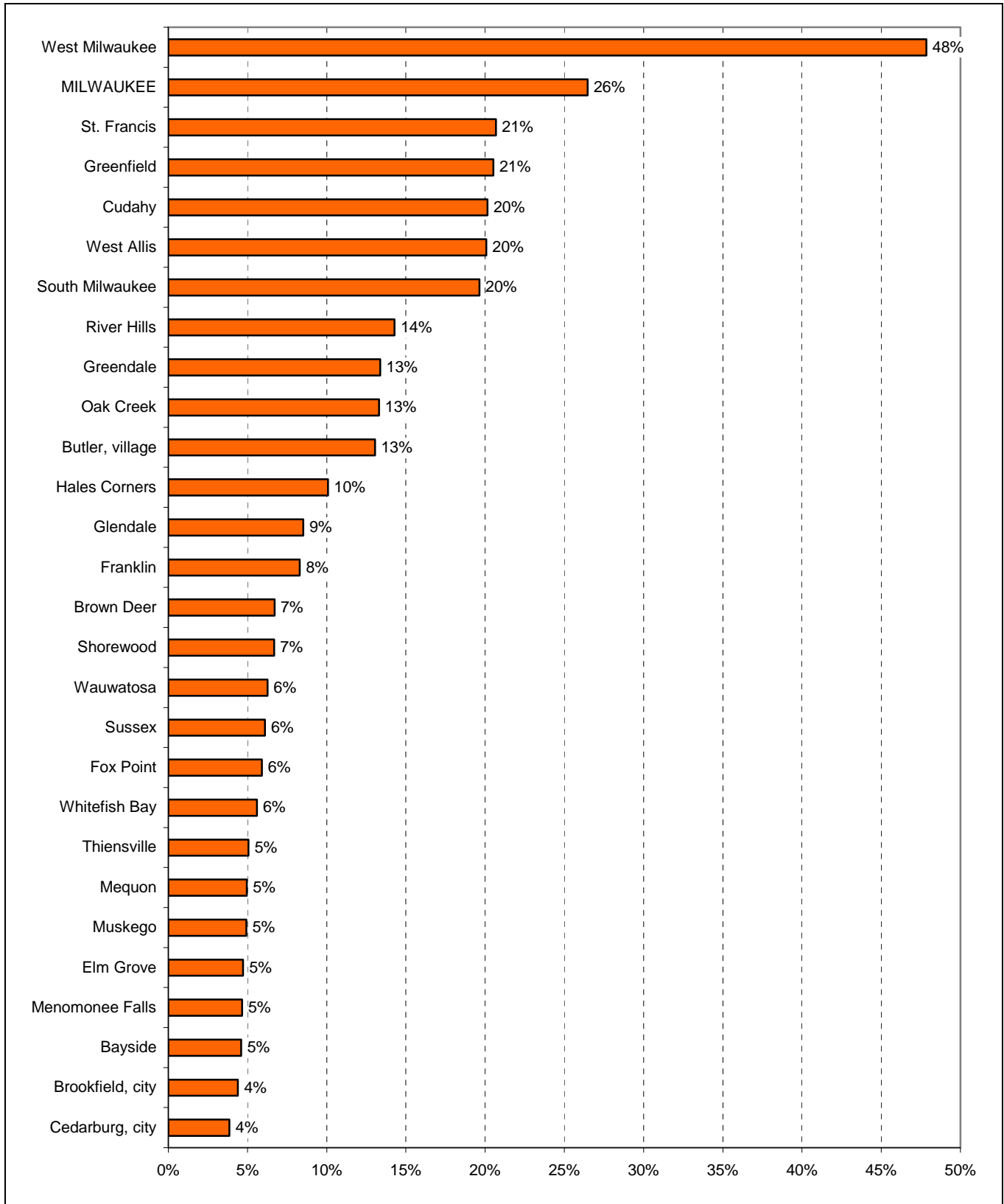
**Race/Ethnicity of Children under Age 5 in the 4-County Milwaukee Metro Area:
2010 U.S. Census**

	<u>Total</u>	<u>Whites</u>	<u>African Americans</u>	<u>Hispanics</u>	<u>Other Minorities</u>
City of Milwaukee	48,694	8,861	22,861	12,887	4,085
Milw County suburbs	<u>20,673</u>	<u>14,509</u>	<u>1,075</u>	<u>2,904</u>	<u>2,185</u>
Milwaukee County	69,364	23,367	23,936	15,791	6,270
Waukesha County	21,474	17,371	406	1,892	1,805
Washington County	8,179	7,177	99	498	405
Ozaukee County	<u>4,548</u>	<u>4,004</u>	<u>82</u>	<u>218</u>	<u>244</u>
4-County MSA	103,565	51,919	24,523	18,399	8,724
City of Milwaukee	100%	18%	47%	26%	8%
Milw County suburbs	100%	70%	5%	14%	11%
Milwaukee County	100%	34%	35%	23%	9%
Waukesha County	100%	81%	2%	9%	8%
Washington County	100%	88%	1%	6%	5%
Ozaukee County	100%	88%	2%	5%	5%
4-County MSA	100%	50%	24%	18%	8%

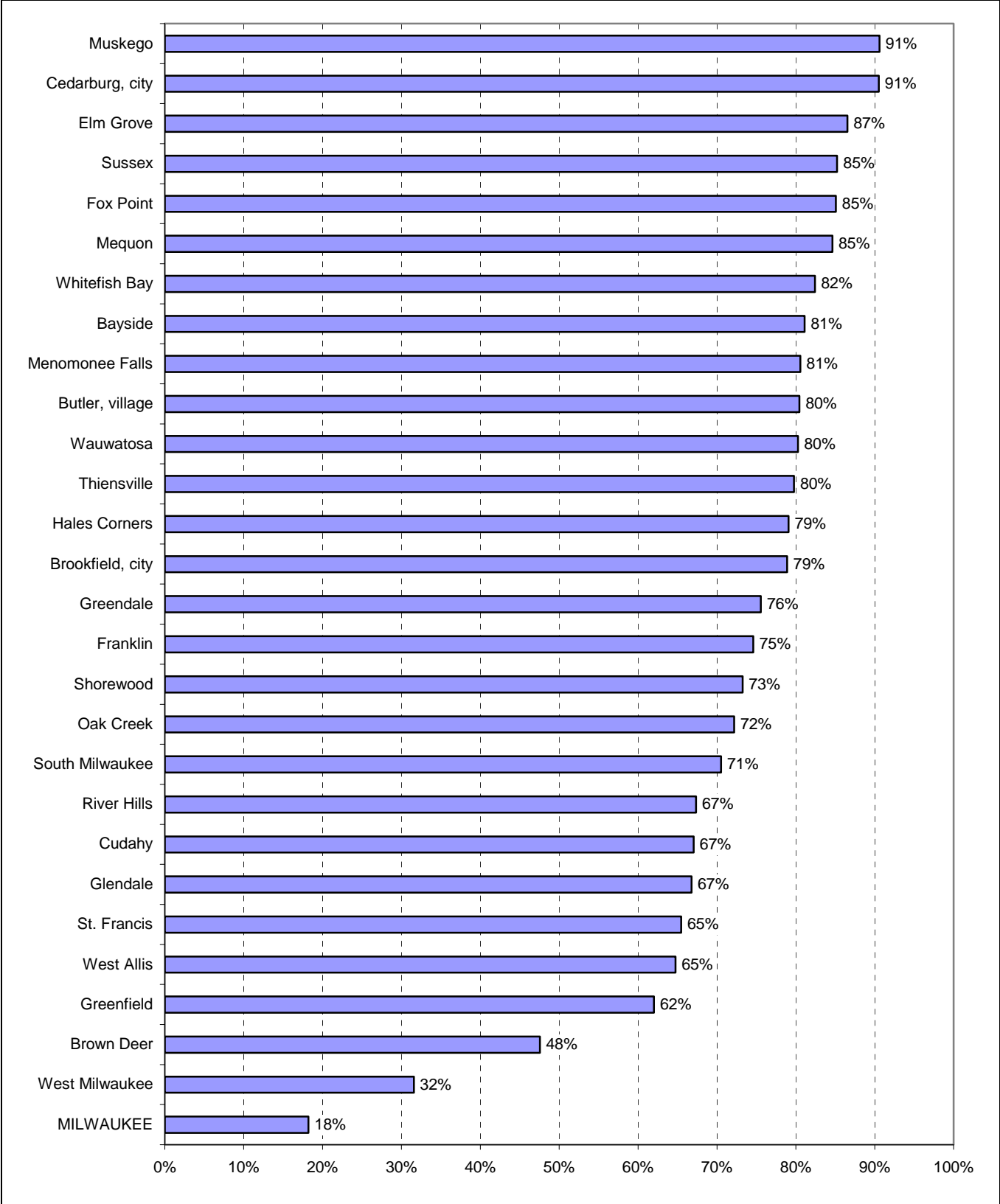
Children under Age 5: Percent African American by Community
2010 U.S. Census



Children under Age 5: Percent Latino by Community
2010 U.S. Census



Children under Age 5: Percent White, Non-Hispanic by Community
 2010 U.S. Census

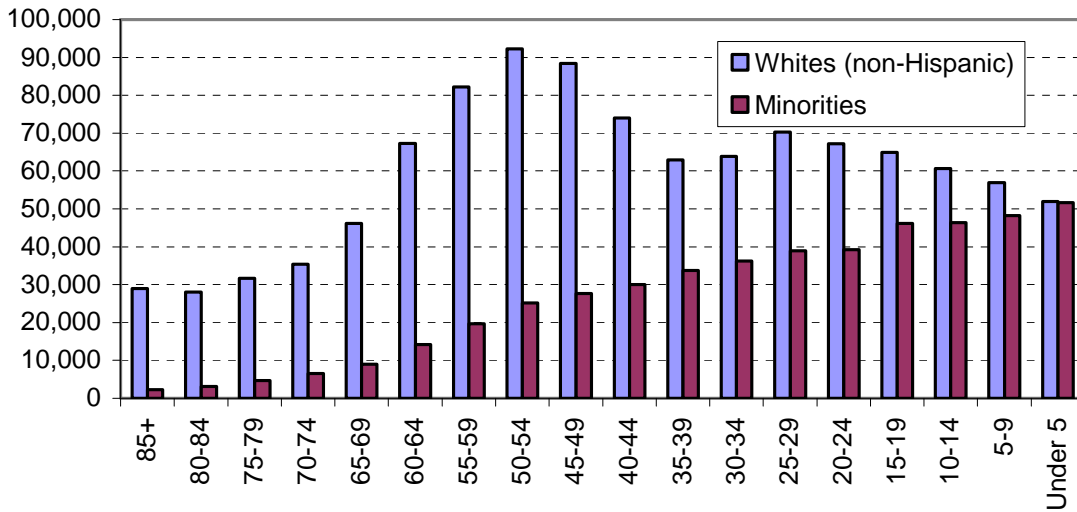


III. Implications of Youth Population Trends on the Coming-of-Age Workforce

The 2010 Census data show minority populations in the Milwaukee metro area growing at a steady pace by age, with the youngest children reaching 50/50 (minorities to whites). Meanwhile the white populations are peaking in their fifties, with a modest baby boom echo among 20-year-olds.

Engagement of African Americans, Hispanics, Asians, Native Americans and other non-whites will be key for the coming-of-age labor force in the metro area.

Growing Minority Population in Milwaukee MSA: Age in 2010 Census



At the same time the 2010 Census data for youth under age 15 suggest that African American and Latino youth will remain highly concentrated in the city of Milwaukee for years to come. Currently, 83% of youth residing in Milwaukee are minorities. Although the 2010 Census showed increased diversity in the Milwaukee County suburbs (where 27% of the youth under age 15 are now minorities), only 11% of youth under age 15 are minorities in Ozaukee and Washington counties, and only 16% of youth under age 15 are minorities in Waukesha County.

Continuing Racial Isolation of African American Youth

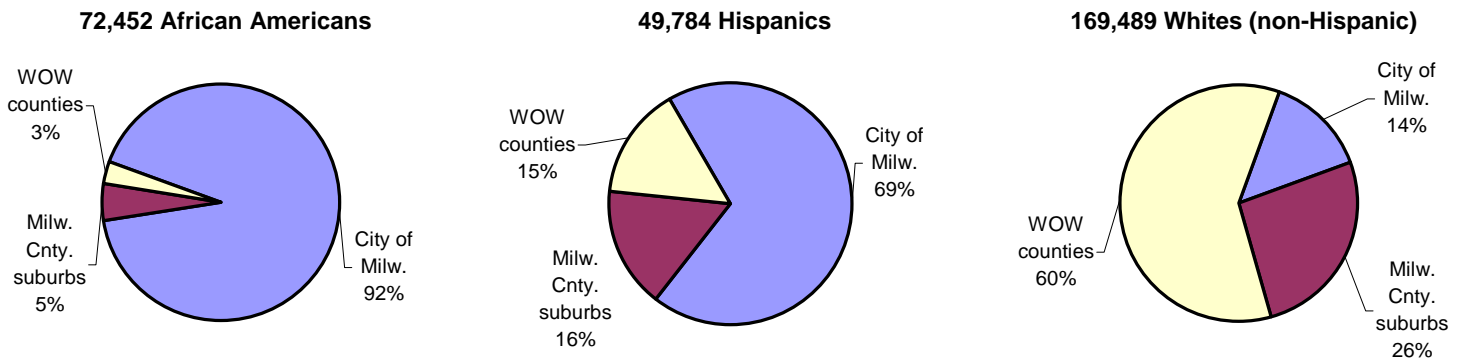
Racial isolation of **African American** youth is continuing, according to the 2010 Census. While the birth data are showing substantial movement of African Americans within the city of Milwaukee, the Census showed very limited movement of African Americans to communities outside of the city.

In the Milwaukee metropolitan area, 92% of the African American youth under age 15 live in the city of Milwaukee, while only 5% live in the Milwaukee County suburbs, and even fewer (3%) live in the three suburban (Waukesha, Ozaukee and Washington) counties.

For the **Hispanic** population, the 2010 Census reported 69% of the youth under age 15 living in the city of Milwaukee, 16% in the Milwaukee County suburbs, and 15% in the WOW counties.

Meanwhile, 60% of **white** youth under age 15 live in the WOW counties, 26% live in the Milwaukee County suburbs, and only 14% live in the city of Milwaukee.

Residence of Youth under Age 15: 4-County Milwaukee Metro Area, 2010 Census



For more on Milwaukee neighborhood demographics and labor force concerns, see the University of Wisconsin-Milwaukee Employment and Training Institute website at www.eti.uwm.edu.