



Community Health Status Assessment: Mini-Compendium

Office of Epidemiology & Public Health Informatics

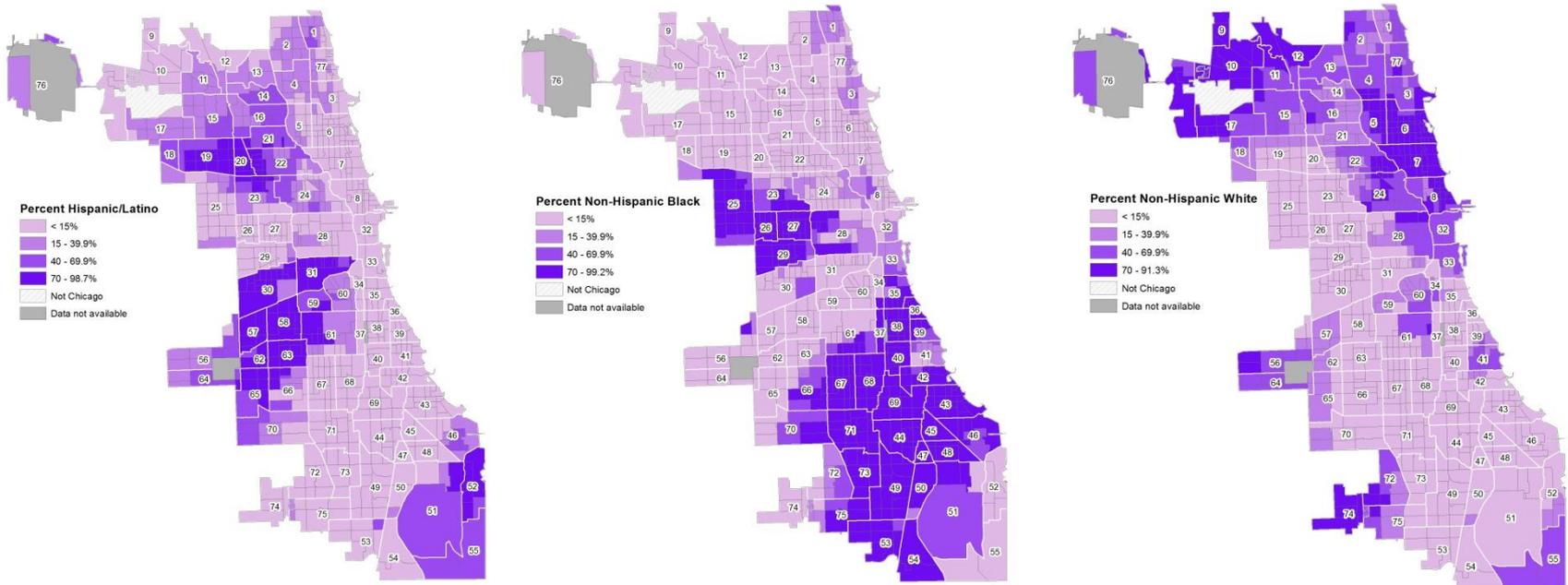
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Overview

Chicago is a diverse but segregated city, socioeconomically and racially/ethnically, which leads to a disproportionate burden of poor health among certain communities.

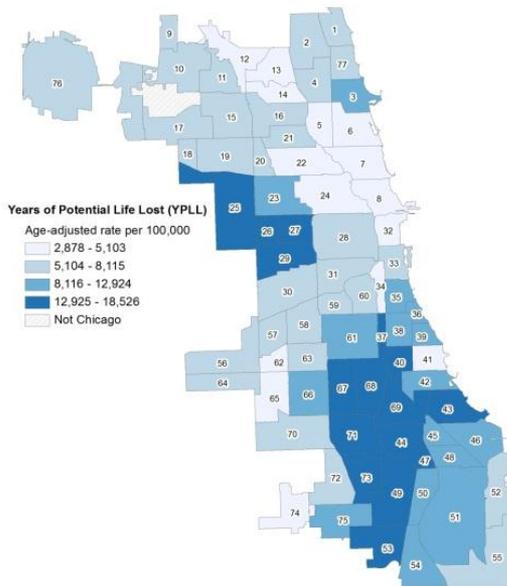


Equity

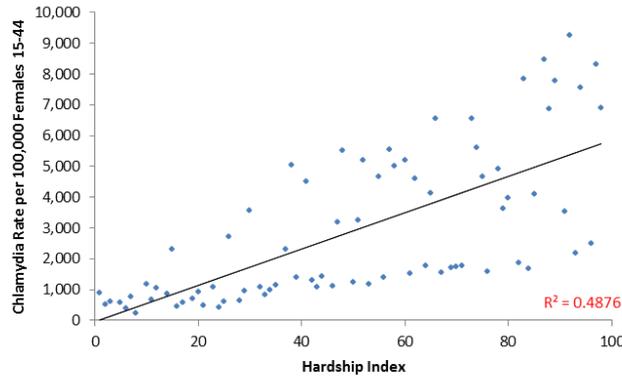
“When it’s better for everyone, it’s better for everyone.”

—Eleanor Roosevelt

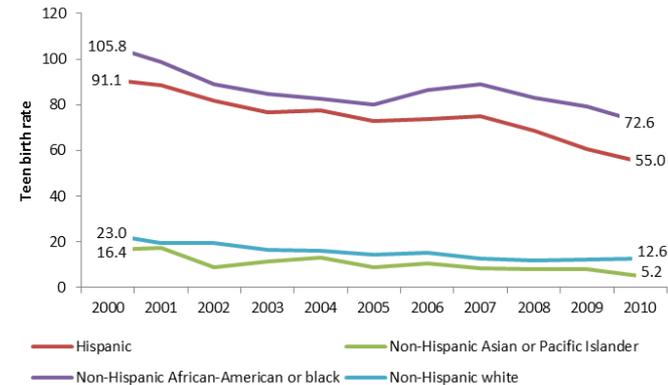
Equity is related to....



Place



Socioeconomic Status



Race-Ethnicity

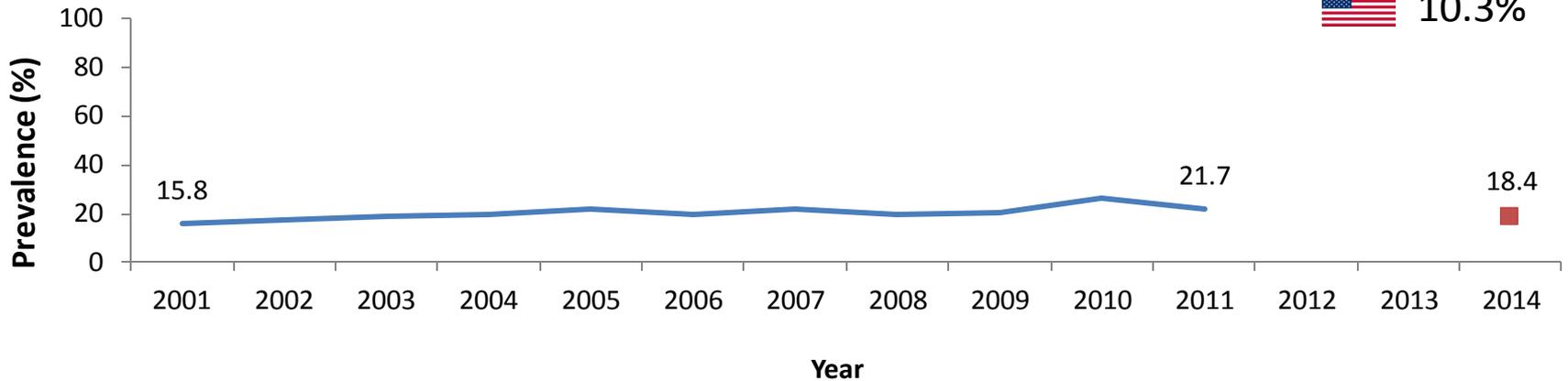
Length and Quality of Life

Fair or Poor Health Status

18.4%

353,000 adults

 10.3%



2014

Gender

Male	17.1%
Female	19.7%

Race-Ethnicity*

Hispanic	28.8%
NH Black	20.1%
NH White	11.7%

Age*

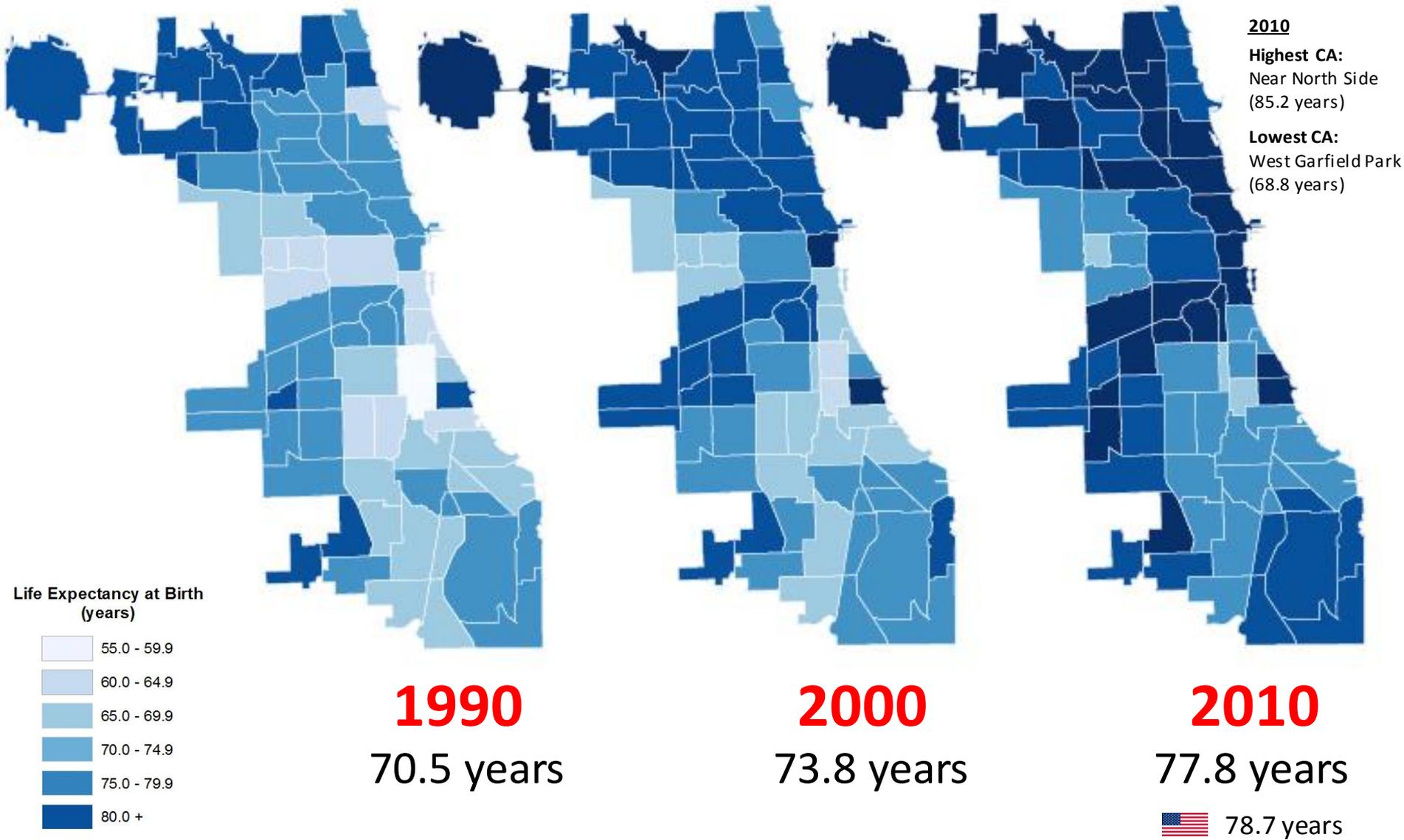
18-29	12.0%
30-44	12.2%
45-64	25.0%
65+	29.0%

Hardship*

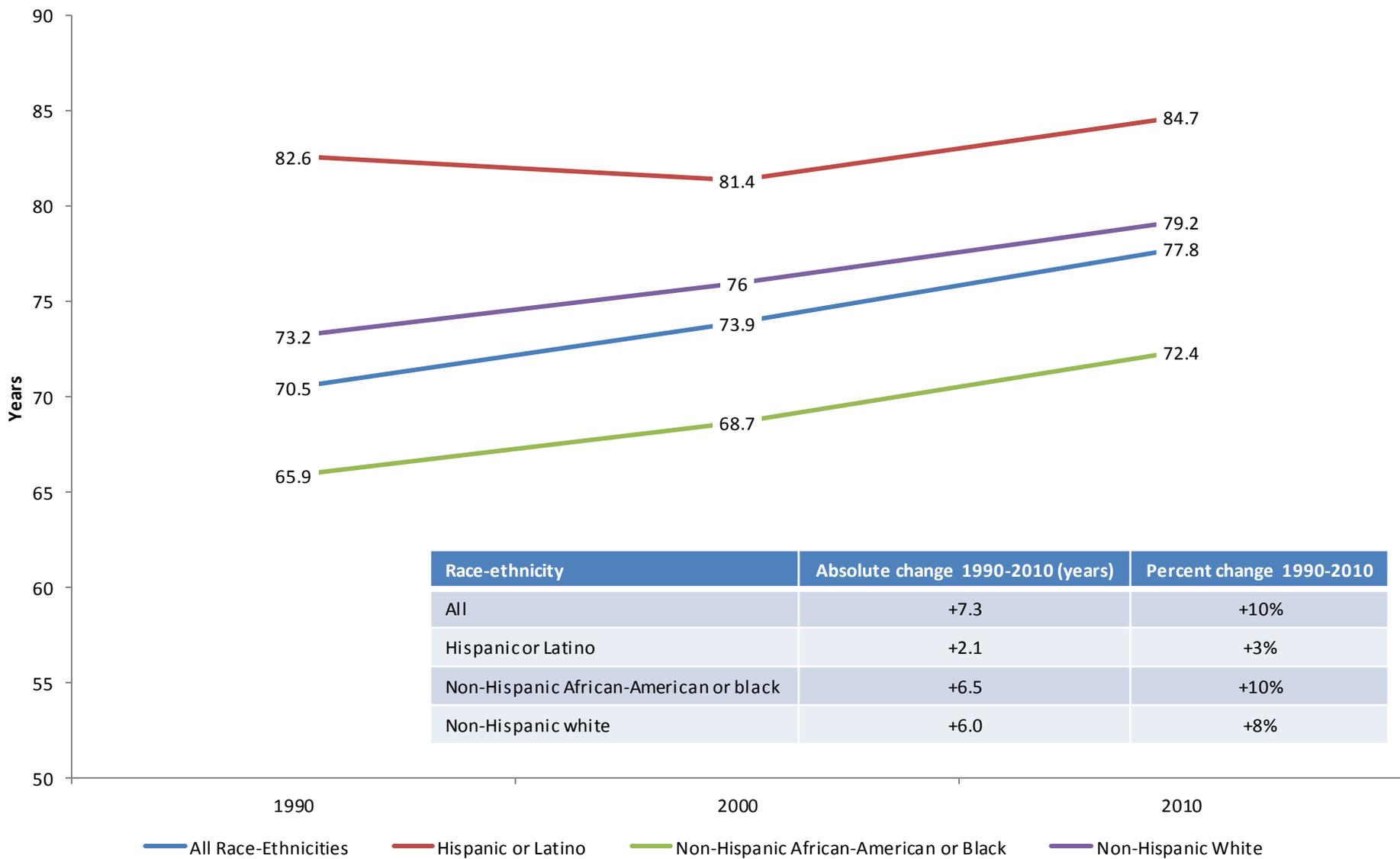
Low	13.8%
Medium	18.3%
High	24.6%

* Indicates statistically significant difference at $\alpha = 0.05$

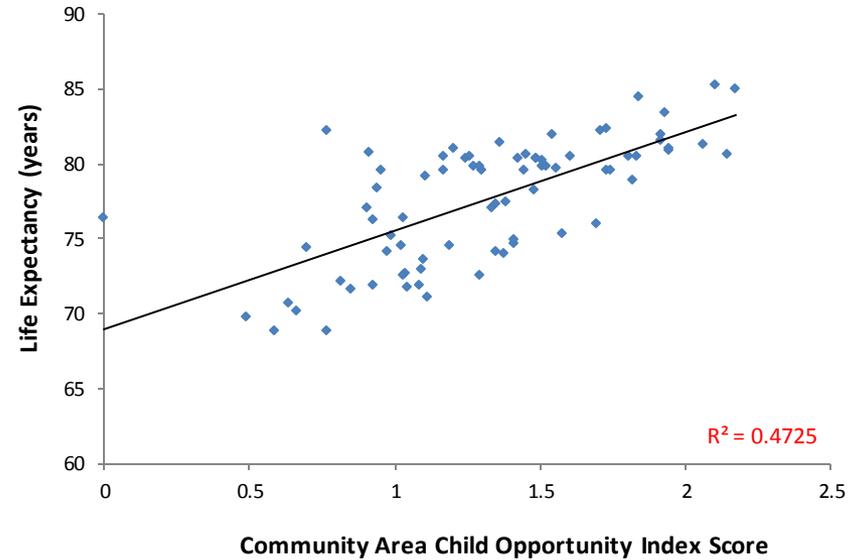
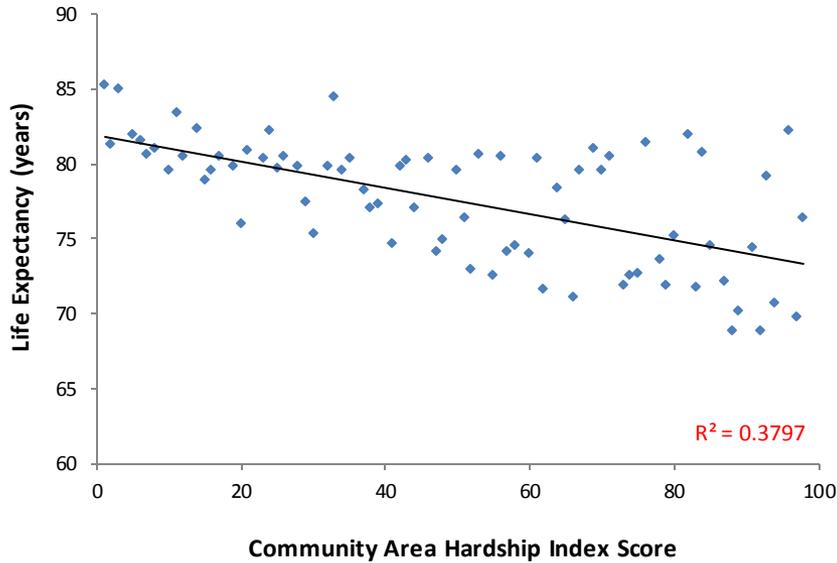
Life Expectancy at Birth



Life Expectancy at Birth and Race-Ethnicity



Life Expectancy at Birth Correlated with Hardship and Opportunity



Life expectancy is higher in community areas with lower hardship and more opportunity.

Premature Mortality

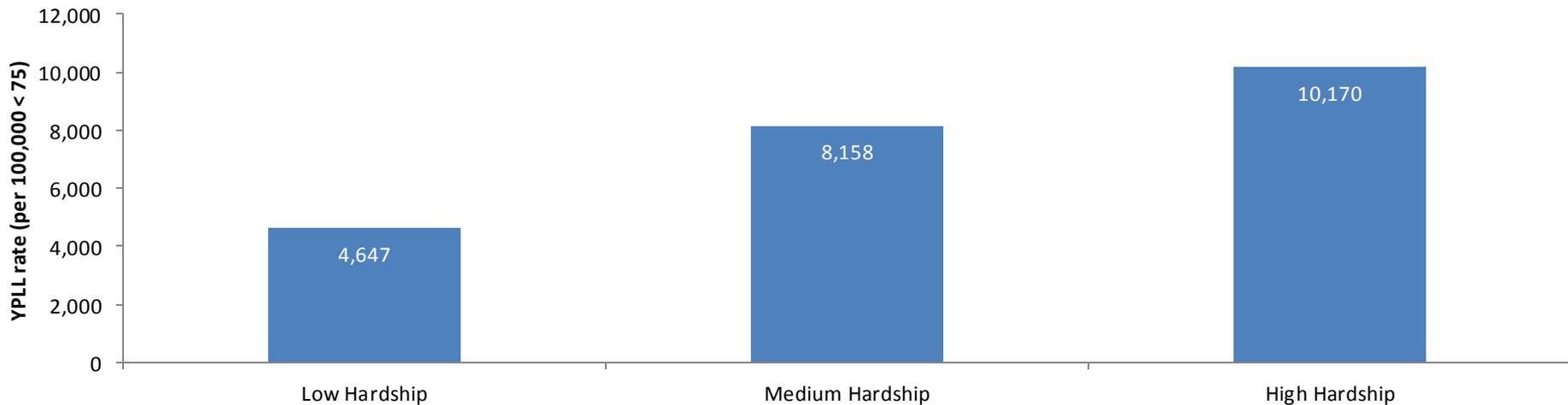
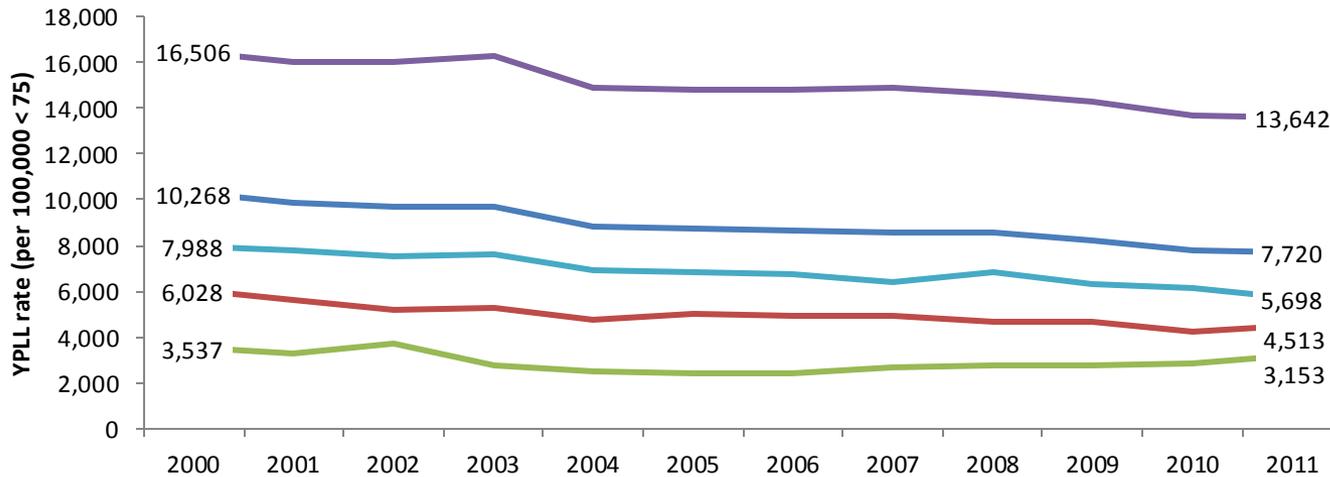
as measured by years potential life lost (YPLL)



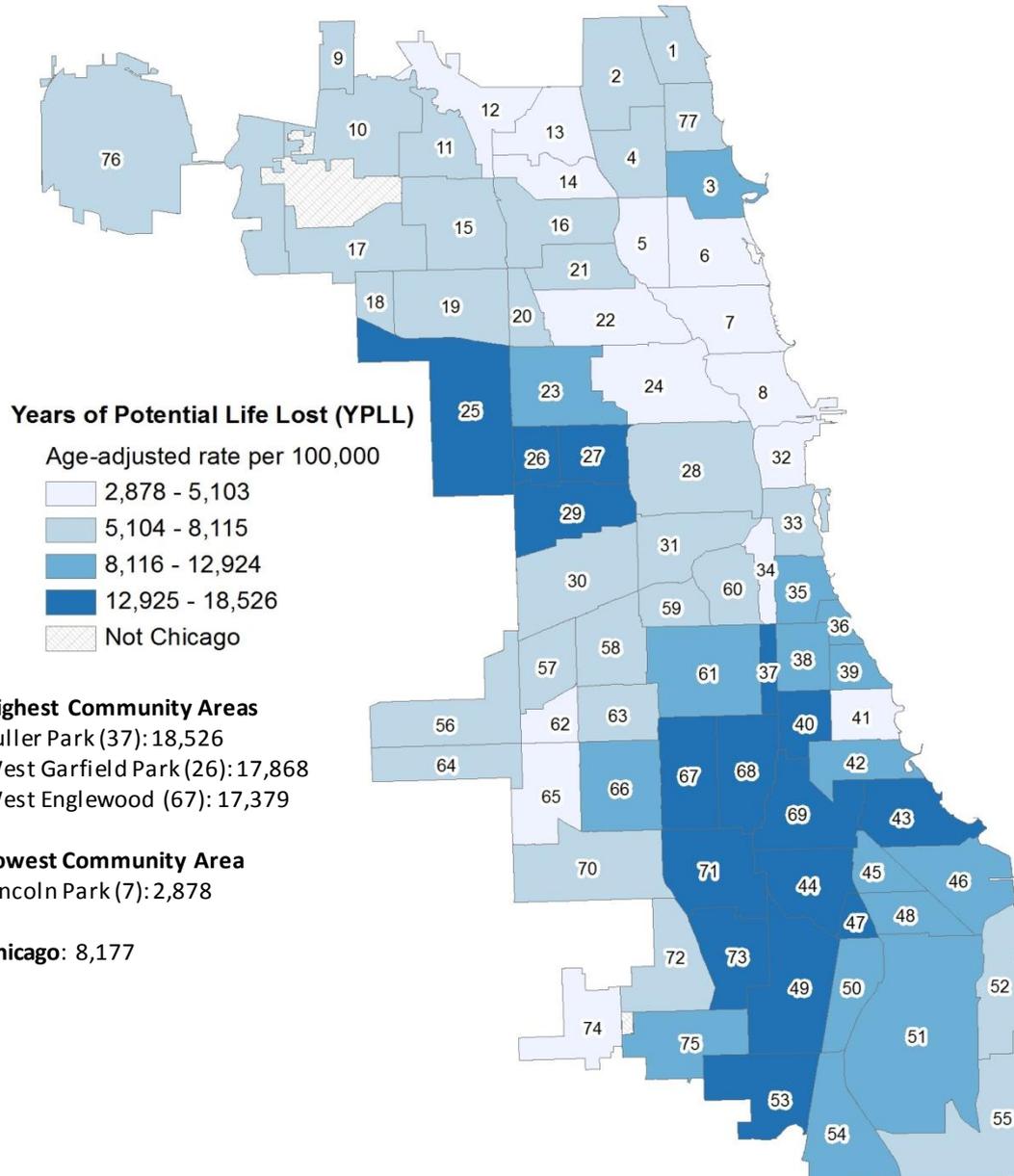
6,512



7,720



Premature Mortality



Chronic diseases are the leading causes of morbidity and mortality.

2011 Leading Causes of Hospitalization

Cause of hospitalization	Visits	Crude Rate (per 10,000)	US Rate 2006 (per 10,000)	Rank
All Hospitalizations	401,089	1,487.9	NA	--
<i>Pregnancy, childbirth and the puerperium</i>	45,723	169.6	NA	--
<i>Certain conditions originating in the perinatal period (liveborn)</i>	40,544	150.4	NA	--
Heart disease	33,689	125.0	140.9	1
Substance-related disorders (includes alcohol-related disorders)	23,267	86.3	NA	2
Mood disorders	17,778	66.0	15.4	3
Schizophrenic disorders	14,730	54.6	NA	4
Malignant neoplasms	11,029	40.9	40.5	5
Septicemia	9,011	33.4	17.8	6
Pneumonia	8,278	30.7	41.3	7
Cerebrovascular disease	8,093	30.0	29.8	8
Asthma	7,325	27.2	14.9	9
Diabetes mellitus	7,112	26.4	19.6	10

2011 Leading Causes of Death

Rank	Cause of Death	Number	Percent
...	All Causes	18,769	--
1	Heart Disease	4,991	26.7
2	Cancer	4,316	23.1
3	Stroke	886	4.7
4	Chronic Lower Respiratory Diseases	717	3.8
5	Accidents	636	3.4
6	Diabetes	565	3.0
7	Influenza and Pneumonia	472	2.5
8	Nephritis, Nephrotic Syndrome and Nephrosis	452	2.4
9	Septicemia	413	2.2
10	Homicide	399	2.1
...	All Other Causes	4,922	25.9

Hospitalization and mortality rates due to disease and injury are decreasing.

2011 Hospitalizations At-a-Glance

Cause of Hospitalization	Number	Percent [†]	Percent change 2001-2011	Chicago vs. US [‡]	Correlation to Hardship (R ²)	Geographic Disparity*	Black:White Disparity**	Hispanic Disparity [€]
Heart Disease	33,689	10.7	35% ↓	0.9	Moderate	3.1	2.0	1.0
Substance-related Disorders	23,267	7.4	36% ↑	NA	Weak	45.0	2.0	0.2
Mood Disorders	17,778	5.6	11% ↑	4.3	Weak	6.0	2.0	0.6
Schizophrenic Disorders	14,730	4.7	6% ↓	NA	None	27.7	3.6	0.6
Asthma	7,325	2.3	--	--	--	--	--	--
<5 years	663	0.2	55% ↓	2.0	Moderate	14.0	2.3	1.3
≥ 65 years	1,299	0.4	18% ↑	2.3	None	17.4	3.6	3.8
Diabetes	7,112	2.3	30% ↑	1.3	Strong	4.8	2.4	1.7
Preventable Hospitalizations	42,642	13.5	30% ↓	NA	Moderate	4.8	2.8	1.4

[†]Of all non-childbirth-related hospitalizations

[‡]Ratio of Chicago and US rates

*Ratio of zip code with highest age-adjusted rate and zip code with lowest rate

**Ratio of Non-Hispanic African-American or black and Non-Hispanic white rates

[€]Ratio of Hispanic and non-Hispanic white rates

2011 Mortality At-a-Glance

Cause of Death	Percent [†]	Percent Change 2000-2011	Chicago vs. US [‡]	Relationship to Hardship	Geographic Disparity [*]	Black:White Disparity ^{**}	Hispanic Disparity [€]	Premature Mortality (YPLL): NH Black	Premature Mortality (YPLL): NH White	Premature Mortality (YPLL): Hispanic
Heart Disease	27%	30%↓	1.2	Moderate	3.3	1.2	0.6	2,537	1,216	549
Cancer	23%	19%↓	1.1	Moderate	2.3	1.3	0.7	2,264	1,367	648
Diabetes	3%	13%↓	1.0	Strong	5.5	1.8	1.4	310	100	86
Stroke	5%	35%↓	1.0	Moderate	3.2	1.7	0.8	369	127	84
Accidents	3%	37%↓	0.6	Strong	5.2	1.3	0.8	968	582	469
Homicide	2%	34%↓	2.5	Strong	81.1	24.9	6.0	1,775	51	479
Suicide	1%	21%↓	0.5	Strong	NA	0.7	0.4	227	282	148
Premature Mortality (YPLL for all cause)	--	25%↓	1.2	Strong	6.4	2.4	0.8	13,642	5,698	4,513
Life Expectancy	--	10%↑	1.0	Moderate	1.2	0.9	1.1	--	--	--

[†]Of all deaths

[‡]Ratio of Chicago and US rates

^{*}Ratio of community area with highest age-adjusted rate and community area with lowest rate

^{**}Ratio of Non-Hispanic African-American or black and Non-Hispanic white rates

[€]Ratio of Hispanic and non-Hispanic white rates

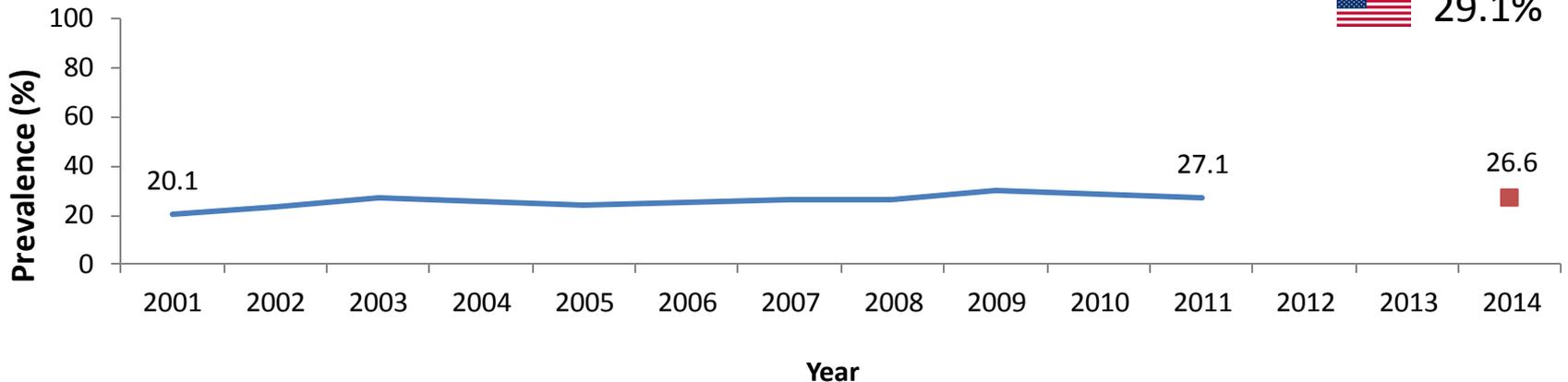
Incidence of chronic disease is increasing.

Hypertension

26.6%

508,000 adults

 29.1%



2014

Gender

Male	26.7%
Female	26.6%

Race-Ethnicity*

Hispanic	18.6%
NH Black	29.3%
NH White	23.6%

Age*

18-29	6.5%
30-44	16.0%
45-64	37.8%
65+	62.2%

Hardship

Low	23.5%
Medium	28.6%
High	28.8%

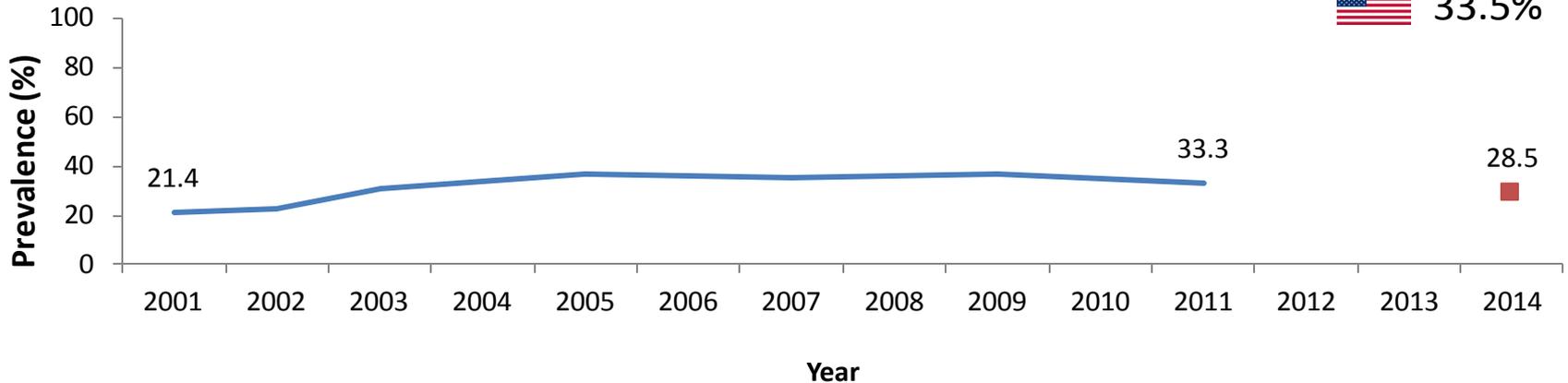
* Indicates statistically significant difference at $\alpha = 0.05$

High Cholesterol

28.5%

424,000 adults

 33.5%



2014

Gender

Male	31.9%
Female	25.5%

Race-Ethnicity

Hispanic	28.5%
NH Black	26.6%
NH White	30.0%

Age*

18-29	11.9%
30-44	14.9%
45-64	41.7%
65+	45.8%

Hardship

Low	27.9%
Medium	30.2%
High	27.6%

* Indicates statistically significant difference at $\alpha = 0.05$

Adult Obesity

28.8%

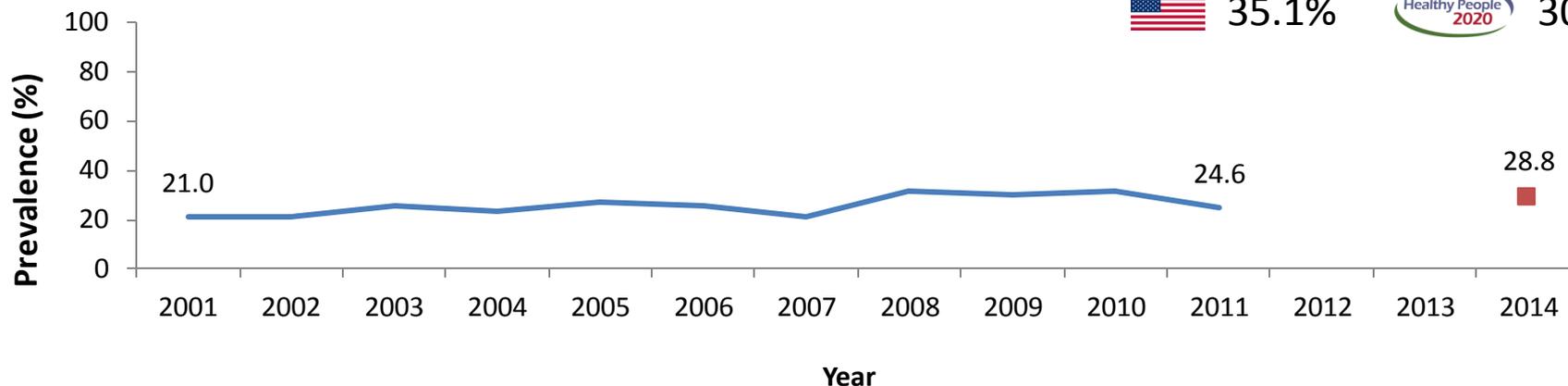
552,000 adults



35.1%



30.5%



2014

Gender*

Male	24.9%
Female	32.3%

Race-Ethnicity*

Hispanic	32.1%
NH Black	37.8%
NH White	23.7%

Age*

18-29	23.2%
30-44	27.2%
45-64	36.8%
65+	24.8%

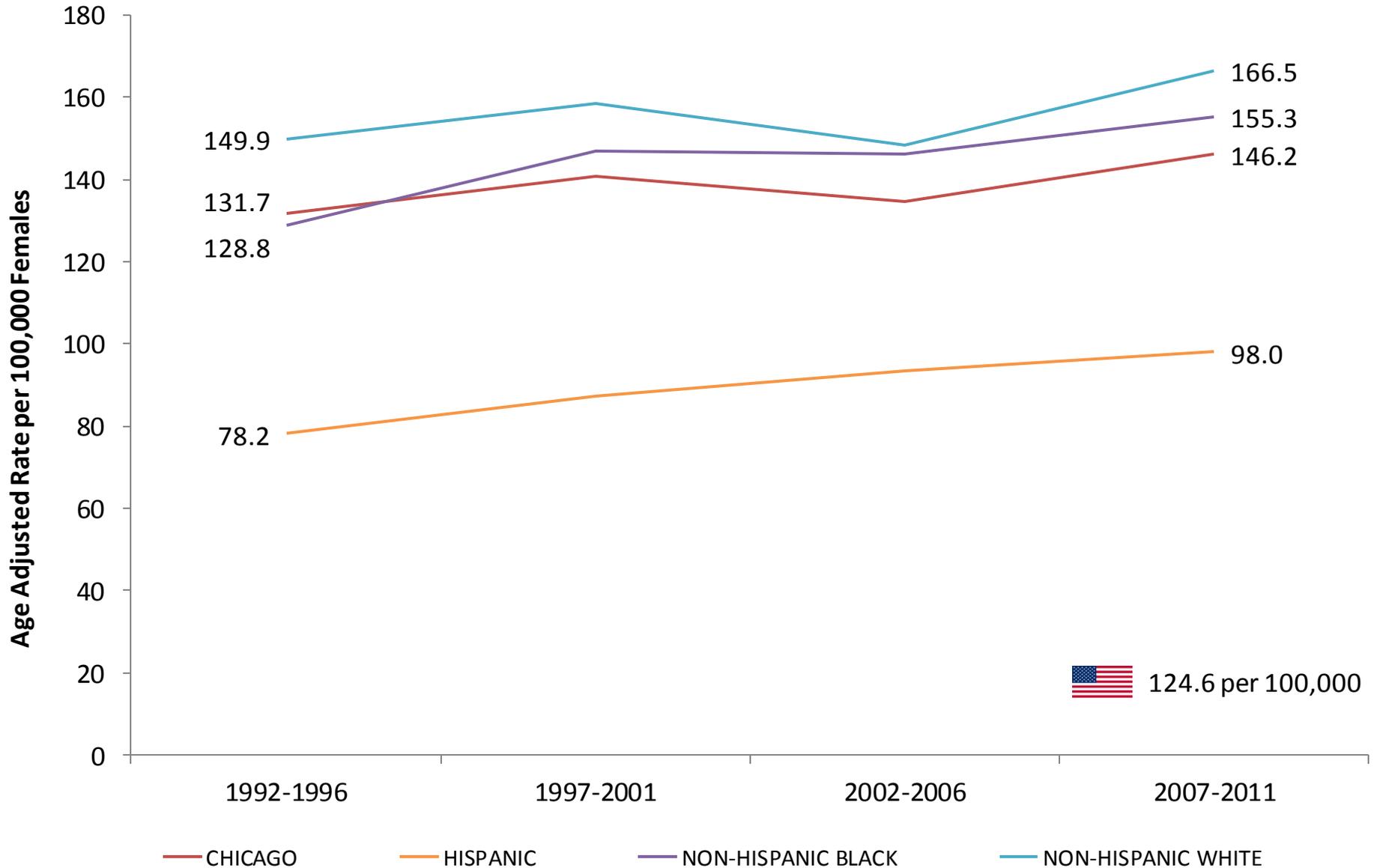
Hardship*

Low	21.0%
Medium	30.5%
High	37.3%

* Indicates statistically significant difference at $\alpha = 0.05$

Source: Behavioral Risk Factor Surveillance System, 2001-2011; Healthy Chicago Survey, 2014

Female Breast Cancer Incidence

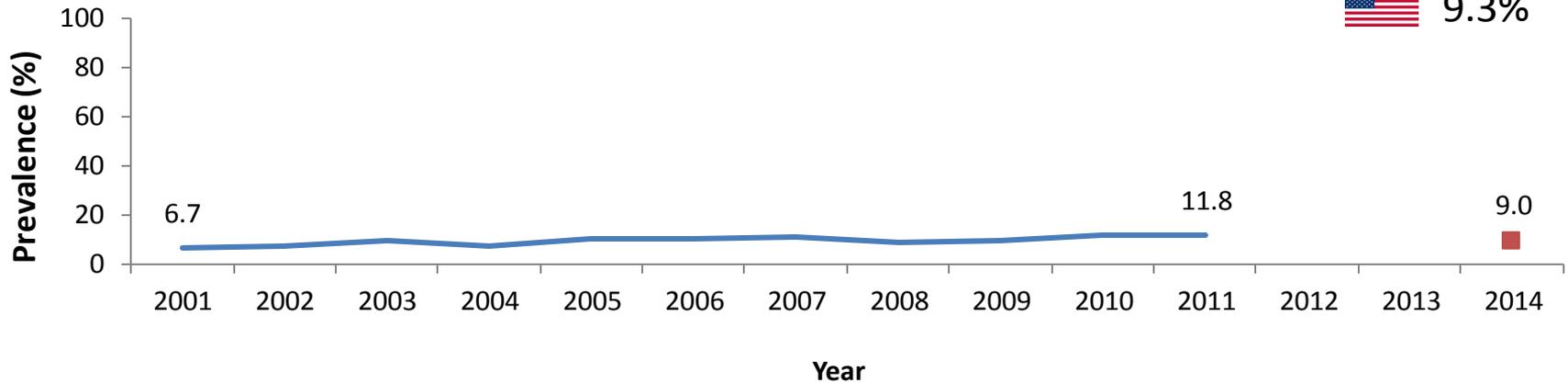


Diabetes Prevalence

9.0%

172,000 adults

 9.3%



2014

Gender

Male	9.2%
Female	8.8%

Race-Ethnicity

Hispanic	8.6%
NH Black	12.3%
NH White	5.8%

Age*

18-29	1.0%
30-44	4.7%
45-64	14.0%
65+	22.1%

Hardship

Low	7.3%
Medium	9.8%
High	10.4%

* Indicates statistically significant difference at $\alpha = 0.05$

Little to no improvement in healthy behaviors among adults overall.

Current Smoking

18.4%

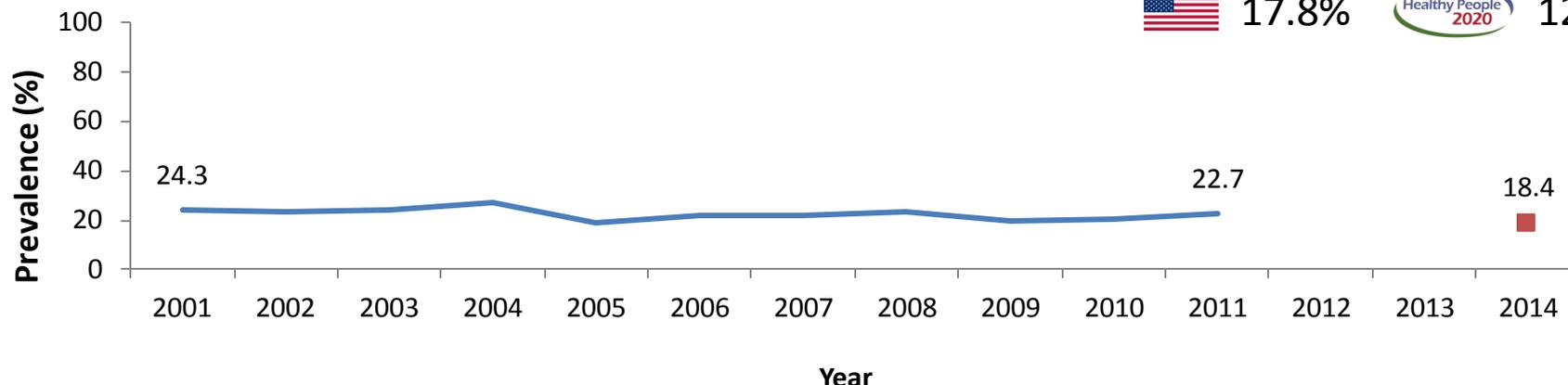
351,000 adults



17.8%



12.0%



2014

Gender*

Race-Ethnicity*

Age

Hardship*

Male	21.8%
Female	15.4%

Hispanic	18.5%
NH Black	25.3%
NH White	13.7%

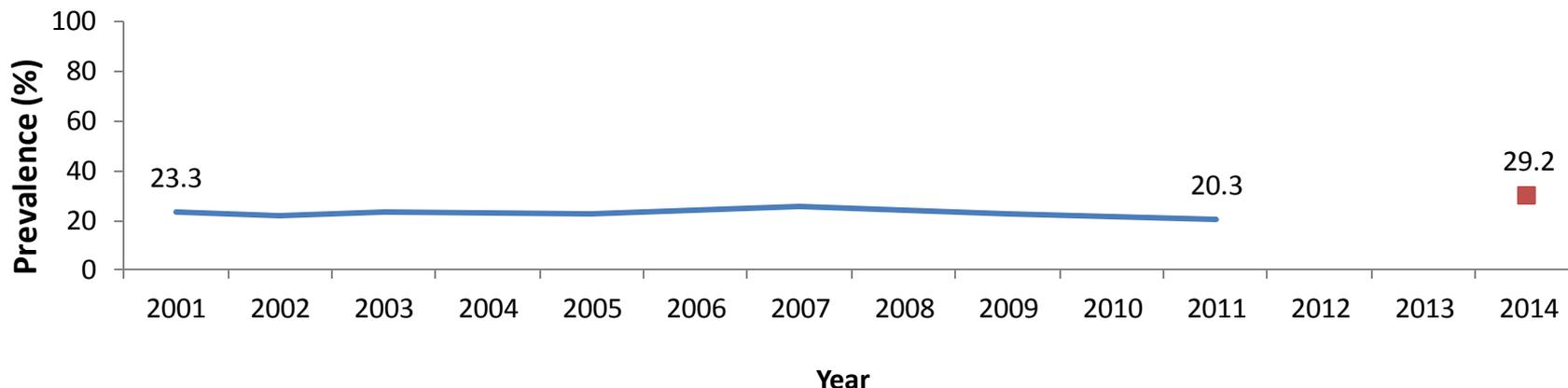
18-29	19.2%
30-44	18.1%
45-64	20.2%
65+	13.4%

Low	11.5%
Medium	20.3%
High	25.4%

* Indicates statistically significant difference at $\alpha = 0.05$

5+ Servings Fruits & Vegetables **29.2%**

554,000 adults



2014

Gender

Male	25.7%
Female	32.3%

Race-Ethnicity*

Hispanic	23.6%
NH Black	18.9%
NH White	41.3%

Age

18-29	27.8%
30-44	34.2%
45-64	27.5%
65+	24.3%

Hardship*

Low	36.1%
Medium	29.8%
High	19.5%

* Indicates statistically significant difference at $\alpha = 0.05$

No Physical Activity

18.3%

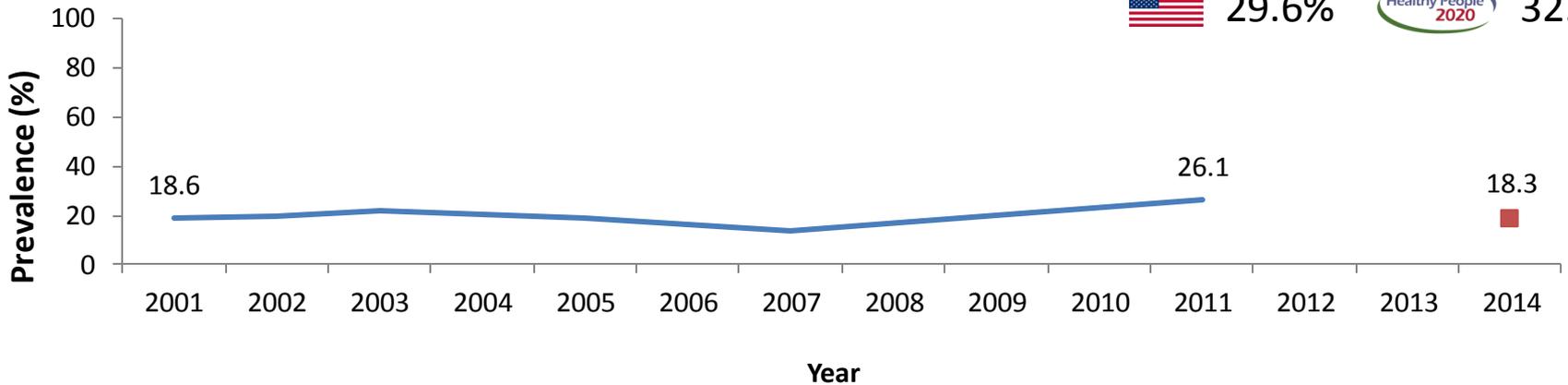
350,000 adults



29.6%



32.6%



2014

Gender

Male	15.5%
Female	20.8%

Race-Ethnicity*

Hispanic	20.3%
NH Black	22.4%
NH White	12.3%

Age

18-29	15.8%
30-44	14.9%
45-64	20.9%
65+	24.4%

Hardship*

Low	13.5%
Medium	17.3%
High	25.4%

* Indicates statistically significant difference at $\alpha = 0.05$

Mammogram

Women aged 50-74 years reporting having a mammogram in the past two years

75.6%

236,000 women

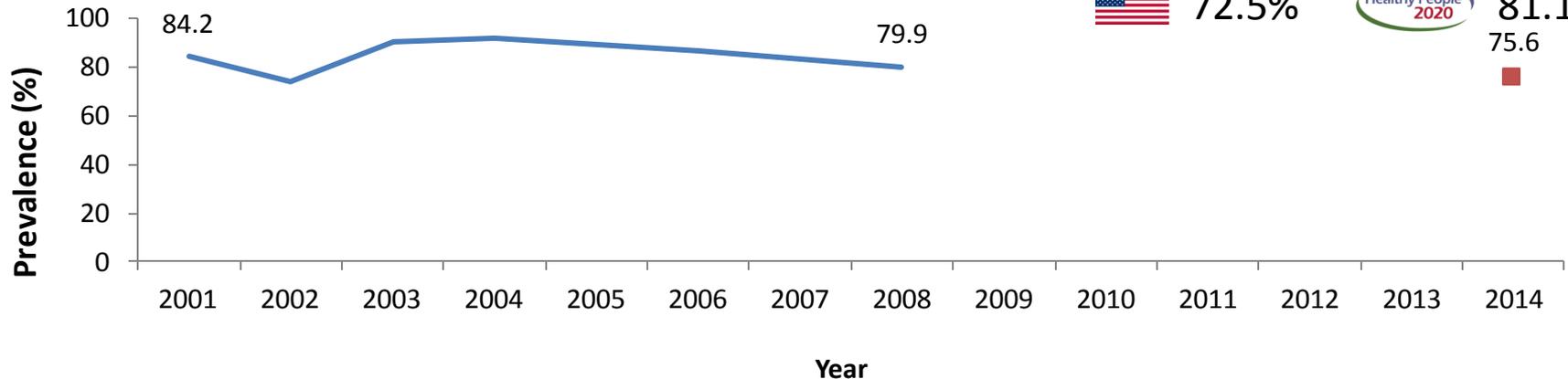


72.5%



81.1%

75.6



2014

Gender

Male	NA
Female	75.6%

Race-Ethnicity

Hispanic	70.4%
NH Black	84.2%
NH White	71.3%

Age

18-29	NA
30-44	NA
45-64	74.0%
65+	80.2%

Hardship

Low	76.9%
Medium	77.7%
High	72.2%

* Indicates statistically significant difference at $\alpha = 0.05$

Pap Test

Women aged 21-65 years, who have not had a hysterectomy, reported having a Pap test within the past three years

82.9%

574,000 women

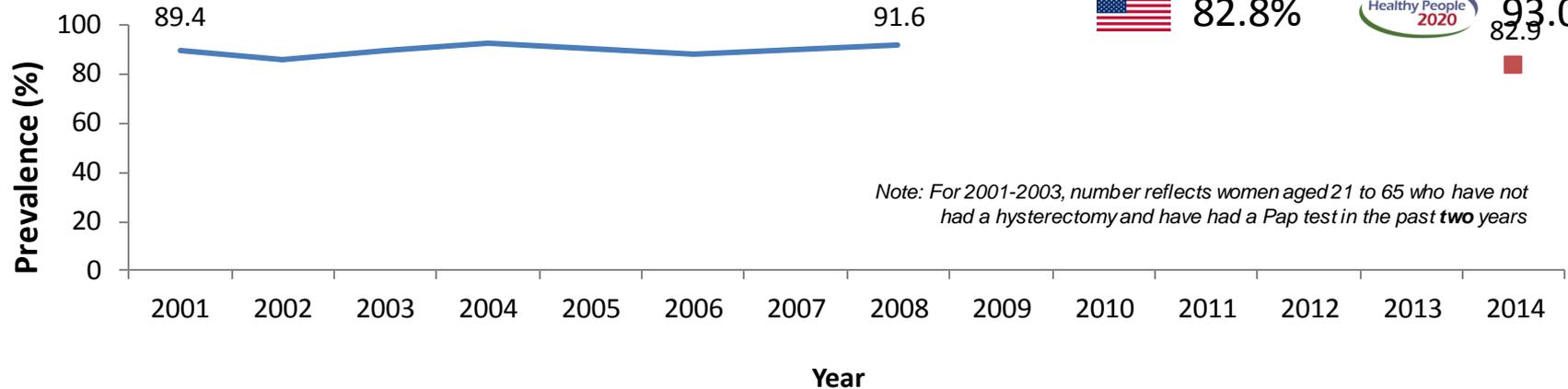


82.8%



93.0%

82.9%



2014

Gender

Male	NA
Female	82.9%

Race-Ethnicity

Hispanic	81.0%
NH Black	83.5%
NH White	83.6%

Age*

21-29	70.3%
30-44	92.6%
45-64	82.1%
65	57.9%

Hardship

Low	91.3%
Medium	88.4%
High	92.3%

* Indicates statistically significant difference at $\alpha = 0.05$

Colorectal Screening

Adults aged 50 to 75 reporting having a sigmoidoscopy/colonoscopy in past 10 years, having a sigmoidoscopy/colonoscopy in the past 5 years and a blood stool test in past 3 years, or having a blood stool test in past year

60.5%

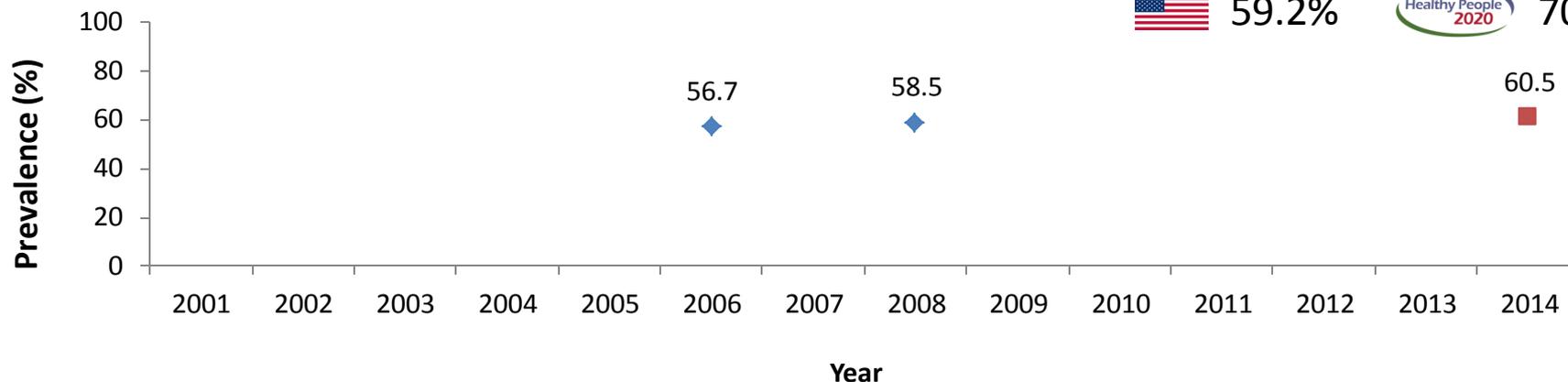
363,000 adults



59.2%



70.5%



2014

Gender

Male	63.4%
Female	58.0%

Race-Ethnicity*

Hispanic	48.8%
NH Black	60.0%
NH White	64.4%

Age*

18-29	NA
30-44	NA
45-64	57.0%
65+	69.6%

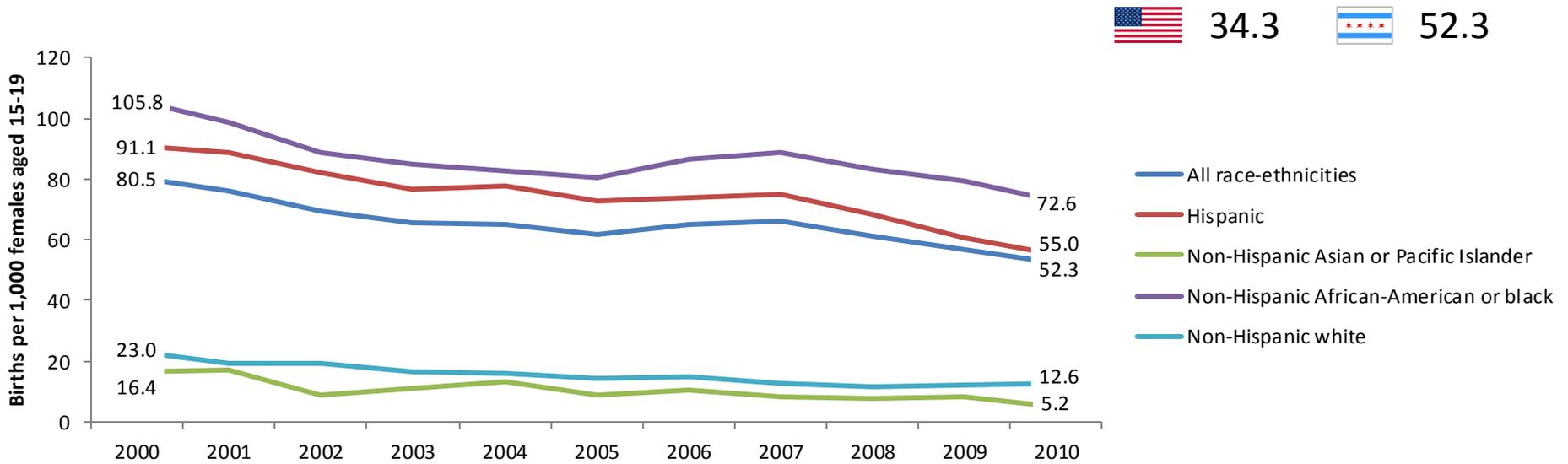
Hardship*

Low	67.5%
Medium	60.8%
High	50.6%

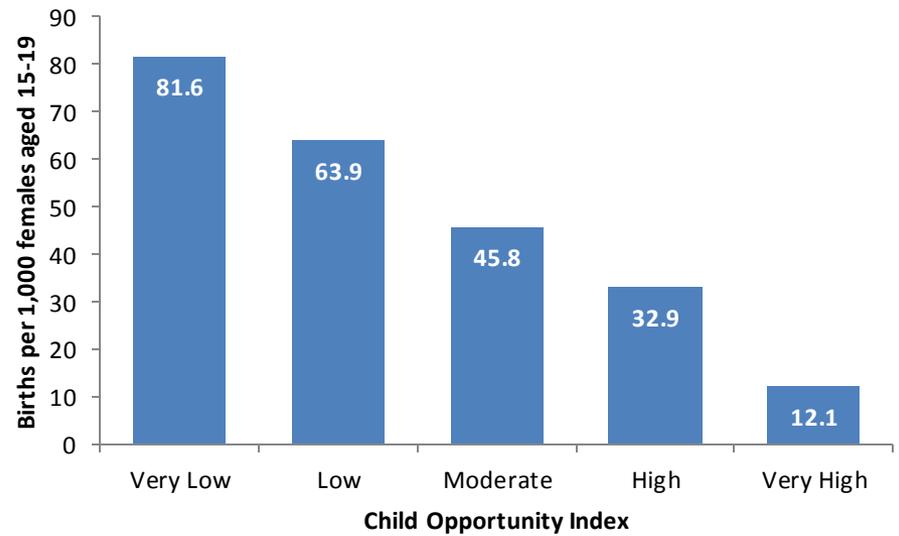
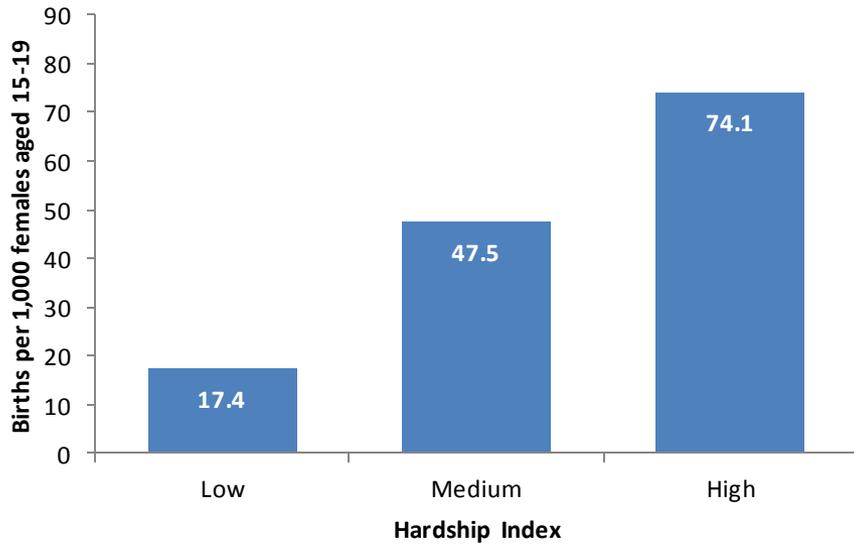
* Indicates statistically significant difference at $\alpha = 0.05$

Gains have been made in reducing teen births and infant mortality.

Teen Births



 34.3  52.3

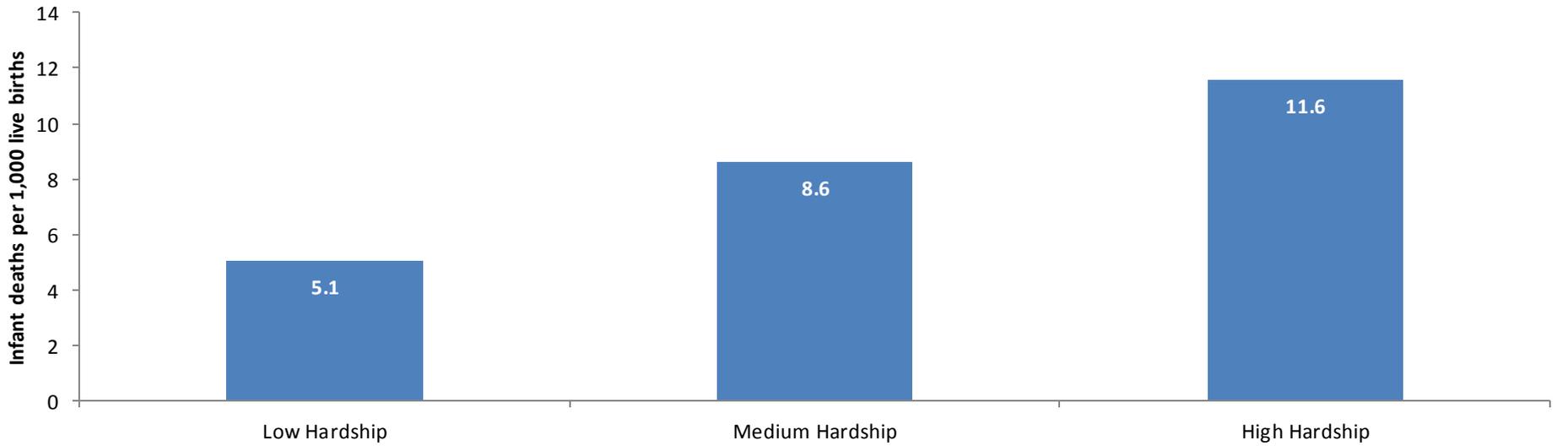
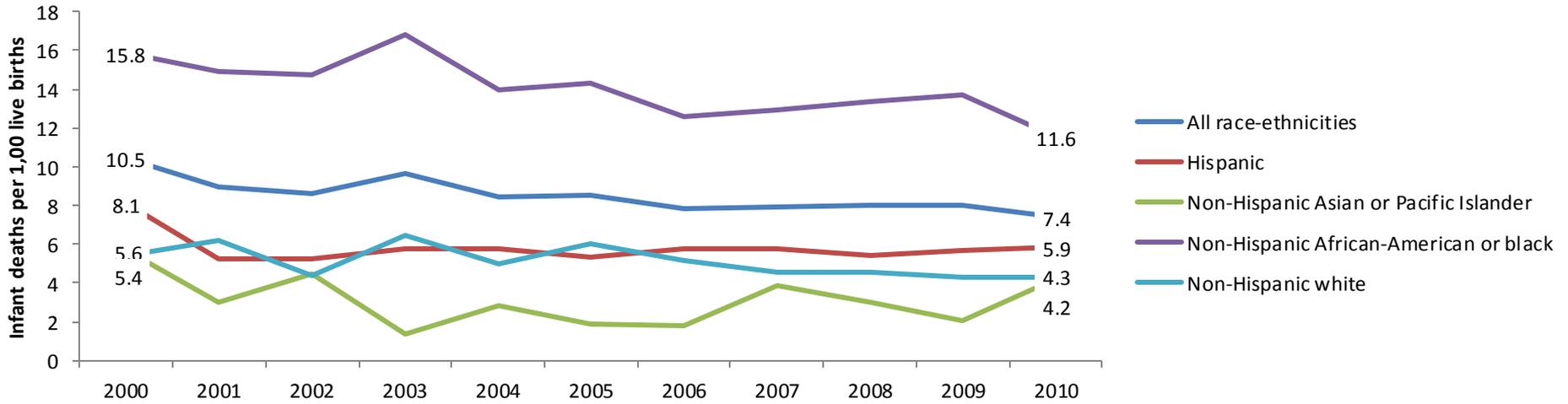


Infant Mortality

Healthy People 2020 6.0

 6.1

 7.4



2010 Natality At-A-Glance

Natality Indicator	Percent change 2000-2010	Chicago vs. US [¥]	Correlation to Hardship	Geographic Disparity*	Black:White Disparity**	Hispanic Disparity [€]
Early and adequate prenatal care (%)	19% ↑	1.1	Moderate	1.7	0.8	1.0
First trimester prenatal care (%)	12% ↑	1.2	Strong	1.5	0.8	0.9
Teen birth rate	35% ↓	1.5	Strong	17.9	5.8	4.4
Preterm (%)	6% ↓	0.9	Weak	3.6	1.4	1.0
Low birth weight (%)	1% ↓	1.2	Moderate	6.5	1.9	1.0
Very low birth weight (%)	10% ↓	1.4	Moderate	40.0	2.4	1.1
Infant mortality rate	30% ↓	1.2	Strong	9.6	2.7	1.4

[¥]Ratio of Chicago and US rates/percentages

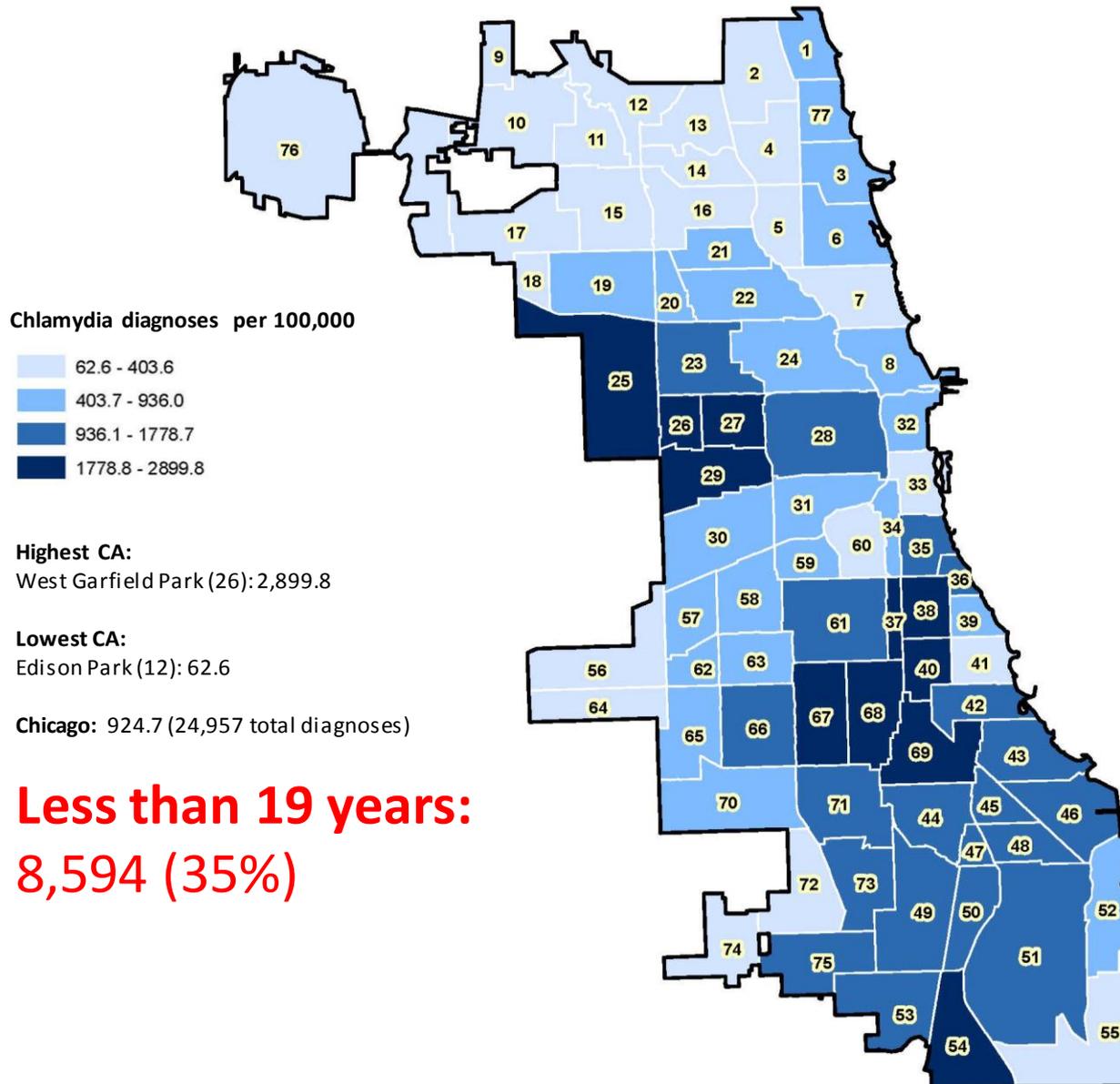
*Ratio of community area with highest rate/percent and community area with lowest rate/percentage

**Ratio of Non-Hispanic African-American or black and Non-Hispanic white rates/percentages

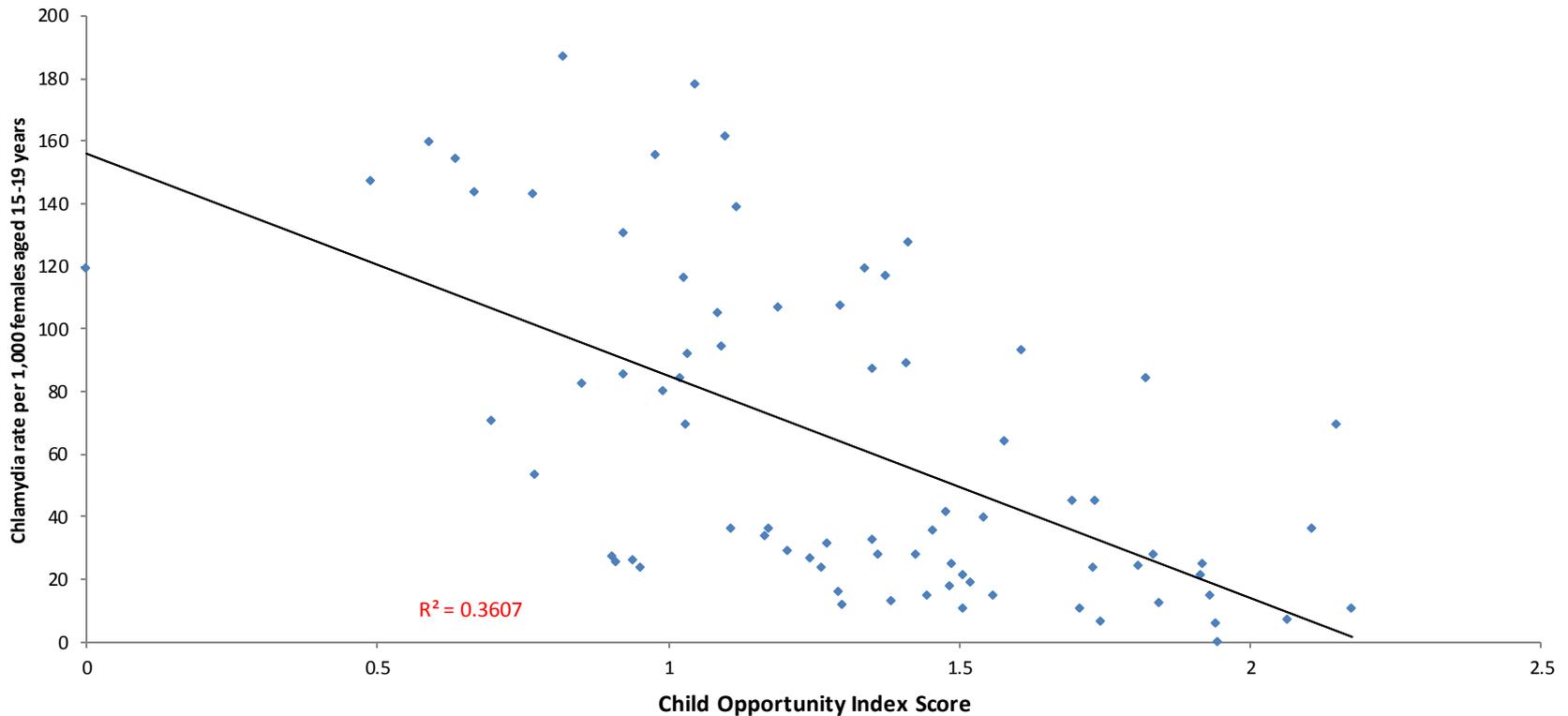
[€]Ratio of Hispanic and non-Hispanic white rates/percentages

Sexually transmitted infections and violence embody the most extreme inequities, especially among adolescents and young adults.

2013 Chlamydia

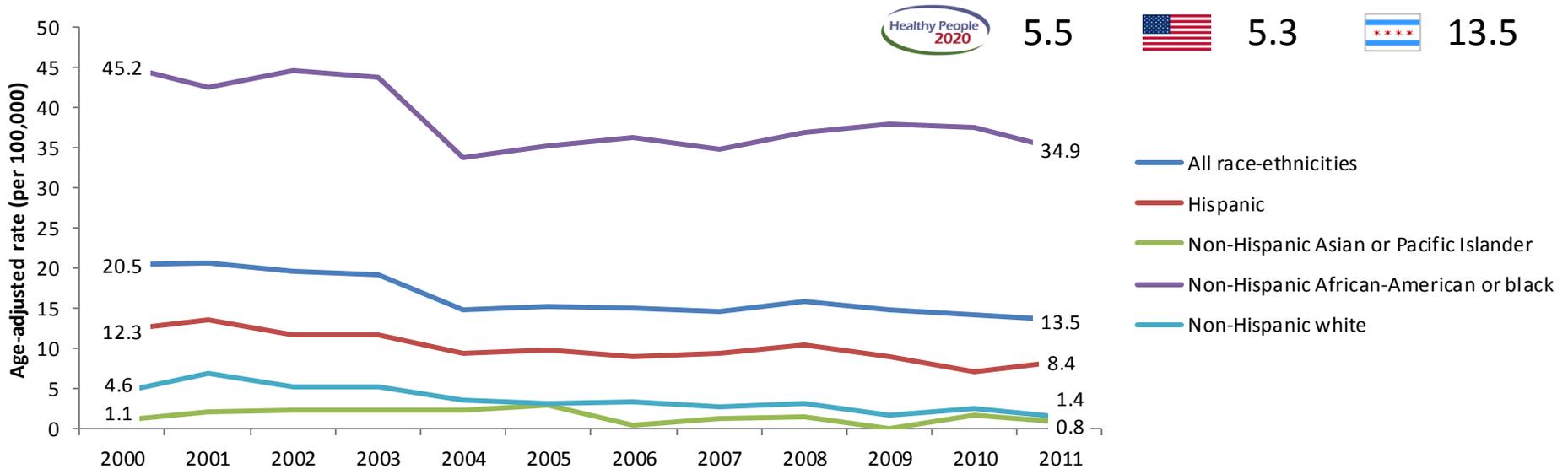


Chlamydia and Child Opportunity

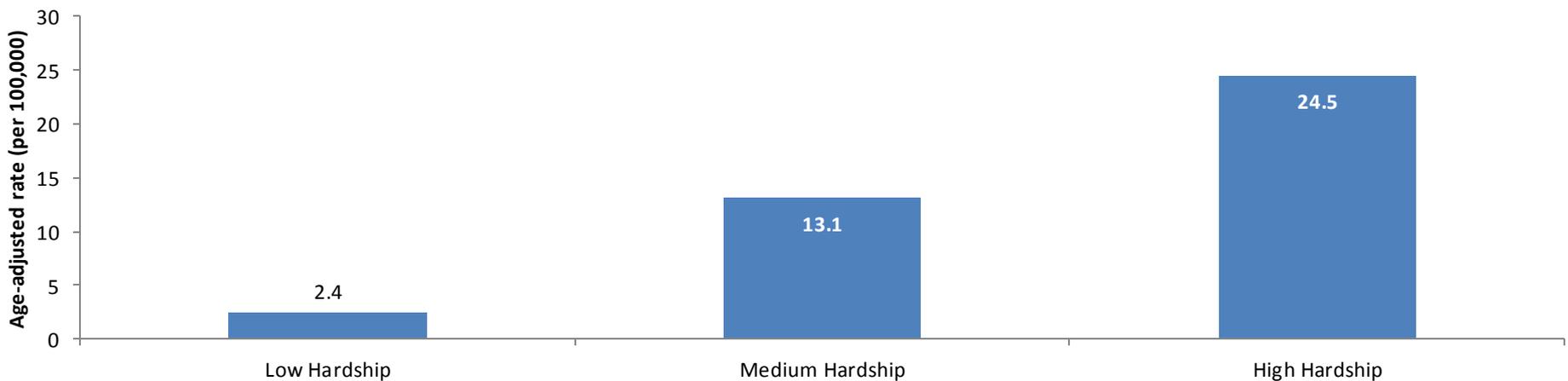


Chlamydia among females aged 15-19 years is higher in community areas with less opportunity.

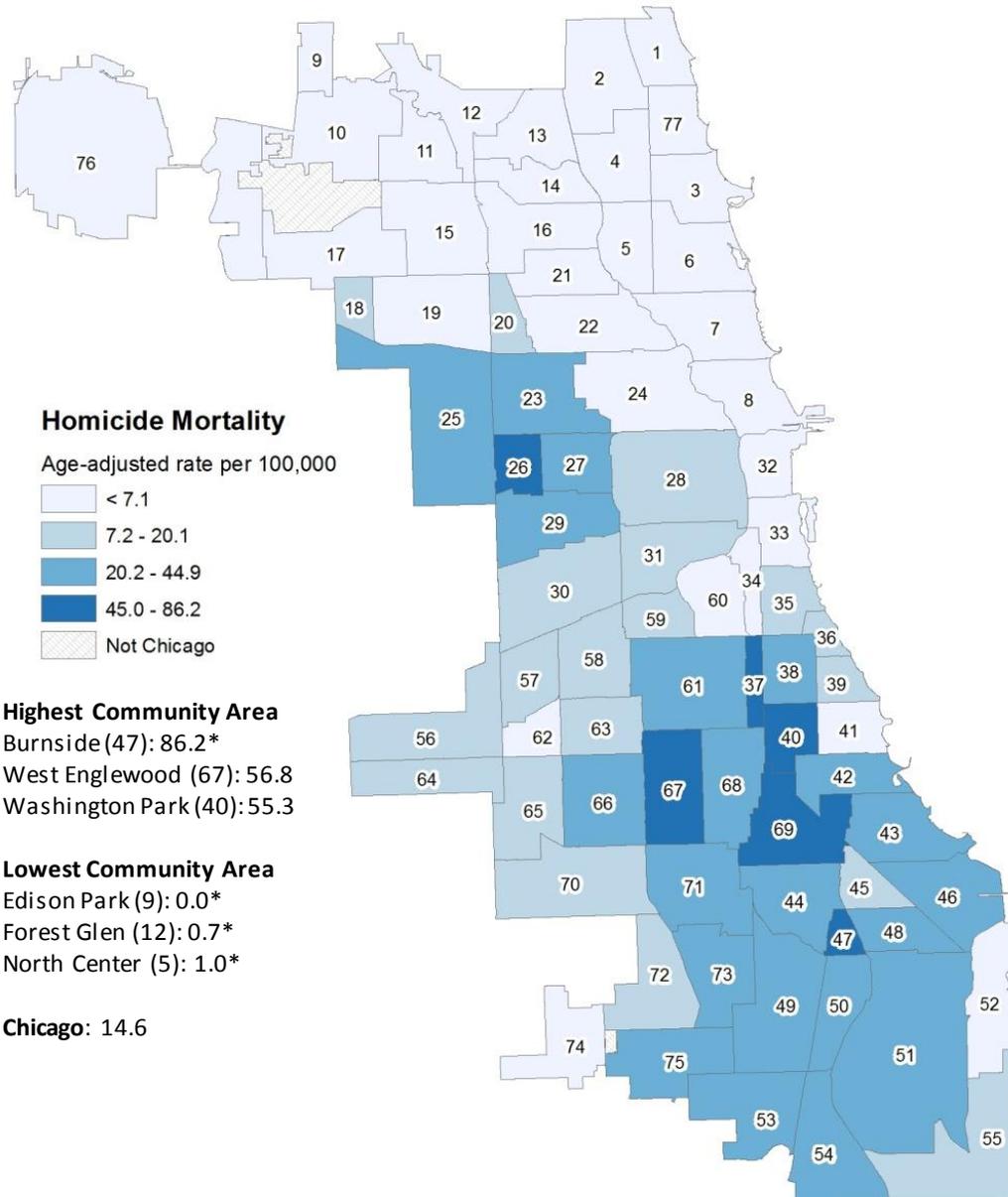
Homicide



Since 2006, 47% of all homicide victims were less than 25 years old.



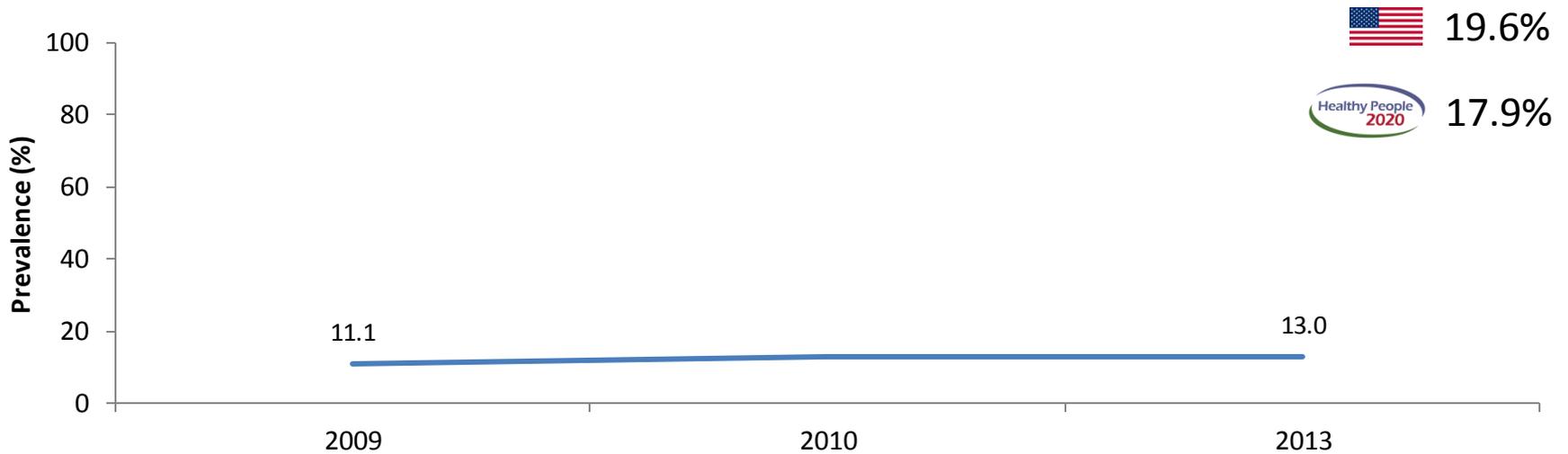
Homicide



* Rates are unreliable due to the low number of reported deaths due to this cause during this period.

LGB youth experience higher rates of health-risk behaviors than their heterosexual peers.

Bullied on school property



2013

Gender

Male	13.1%
Female	12.7%

Race-Ethnicity

Hispanic	12.9%
NH Black	9.3%
NH White	21.3%

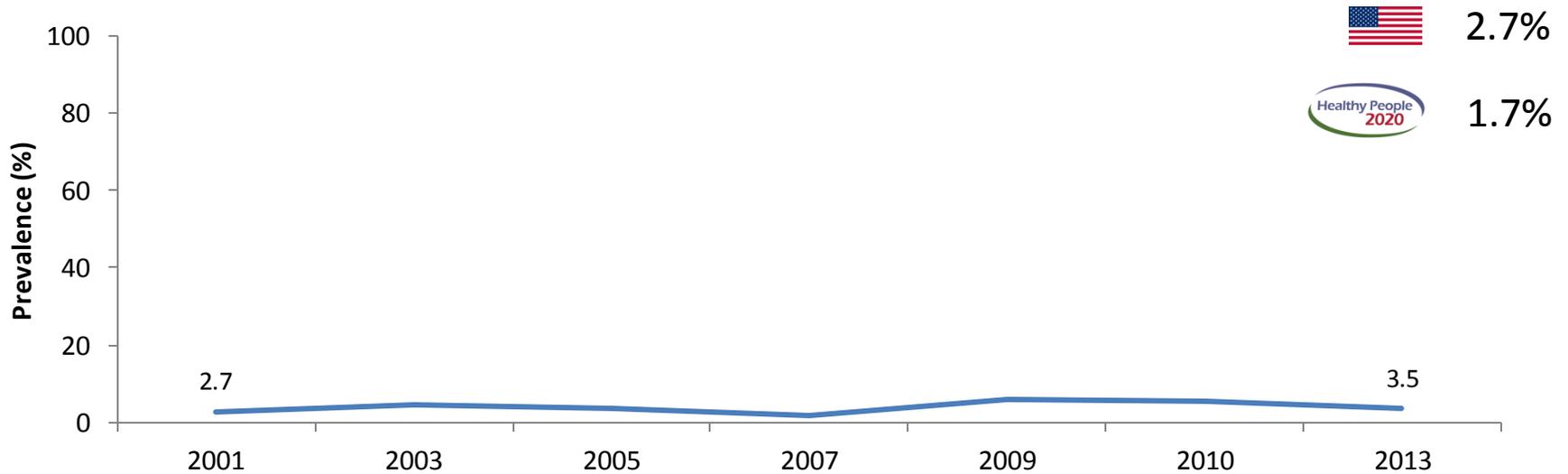
Grade*

9 th	18.5%
10 th	11.9%
11 th	11.8%
12 th	9.0%

Sexual Identity*

Heterosexual	10.2%
LGB/ unsure	30.4%

Suicide attempt resulting in injury



2013

Gender

Male	3.2%
Female	3.8%

Race-Ethnicity

Hispanic	2.7%
NH Black	3.9%
NH White	2.3%

Grade

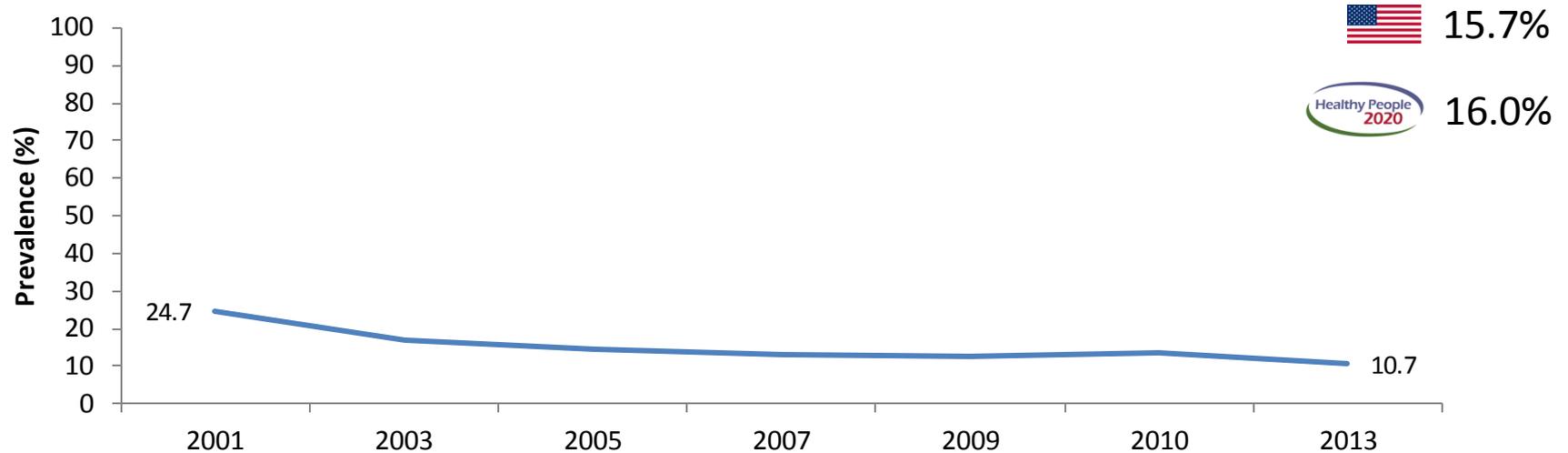
9 th	4.5%
10 th	3.6%
11 th	2.6%
12 th	2.6%

Sexual Identity*

Heterosexual	1.9%
LGB/ unsure	11.3%

*Significant difference

Currently smoke cigarettes



2013

Gender

Male	14.0%
Female	7.5%

Race-Ethnicity*

Hispanic	13.1%
NH Black	5.5%
NH White	18.4%

Grade

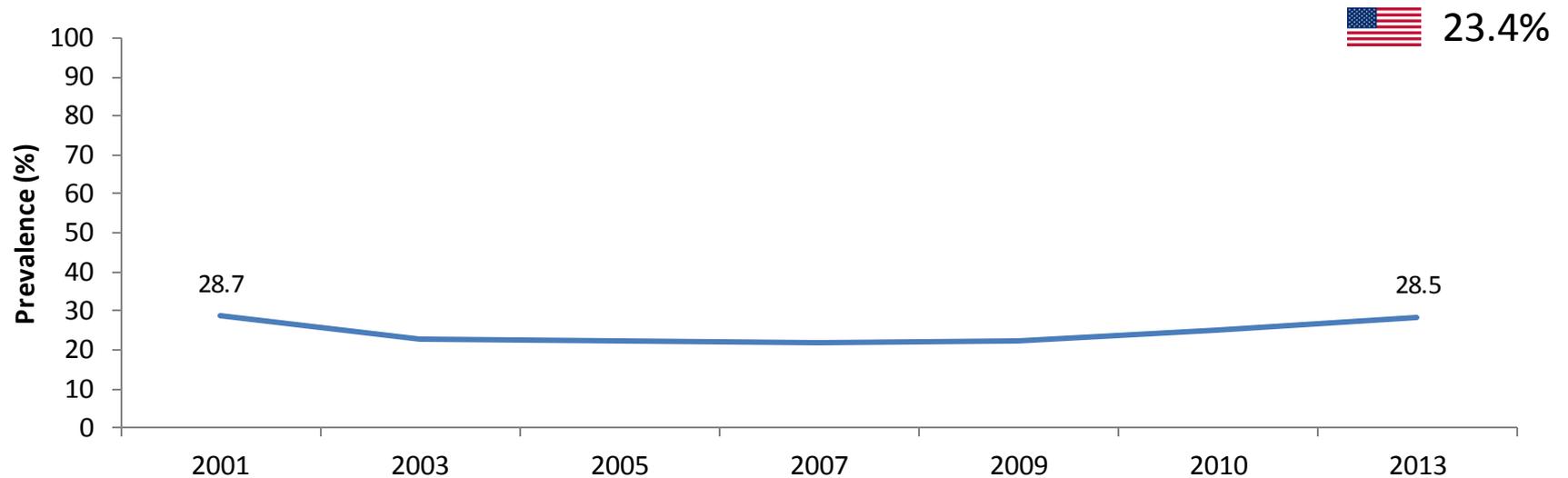
9 th	7.0%
10 th	8.1%
11 th	14.1%
12 th	12.5%

Sexual Identity*

Heterosexual	9.0%
LGB/ unsure	19.3%

* Significant difference

Currently use marijuana



2013

Gender

Male	31.7%
Female	25.3%

Race-Ethnicity

Hispanic	27.8%
NH Black	31.4%
NH White	24.5%

Grade

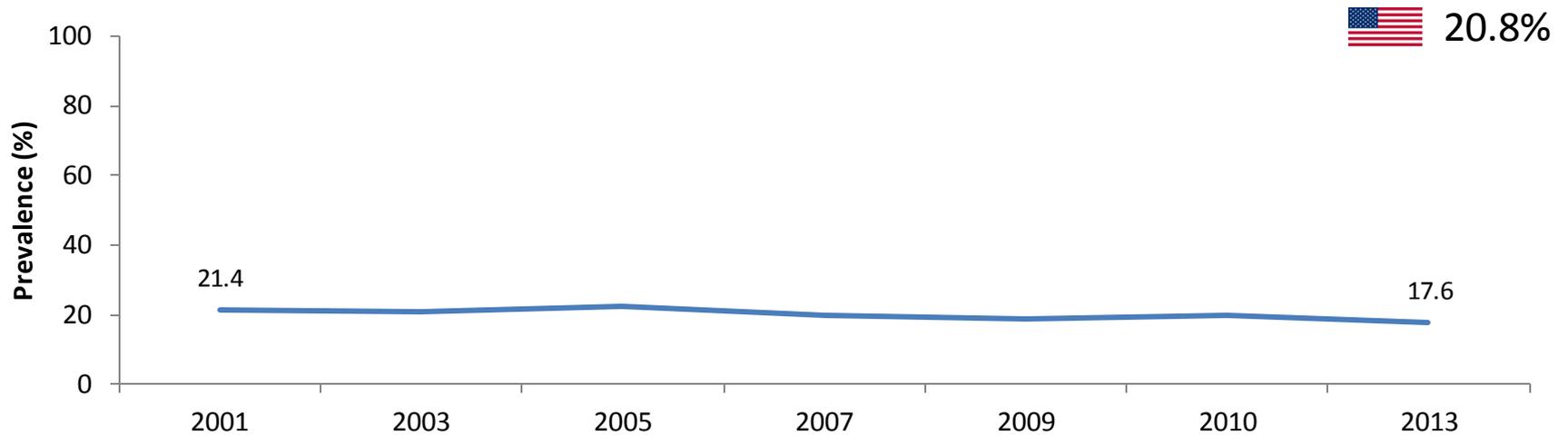
9 th	27.4%
10 th	29.2%
11 th	28.4%
12 th	29.2%

Sexual Identity*

Heterosexual	25.9%
LGB/ unsure	42.0%

*Significant difference

Binge drinking



2013

Gender

Male	19.1%
Female	16.1%

Race-Ethnicity*

Hispanic	21.0%
NH Black	10.9%
NH White	24.3%

Grade

9 th	13.8%
10 th	15.1%
11 th	19.7%
12 th	23.3%

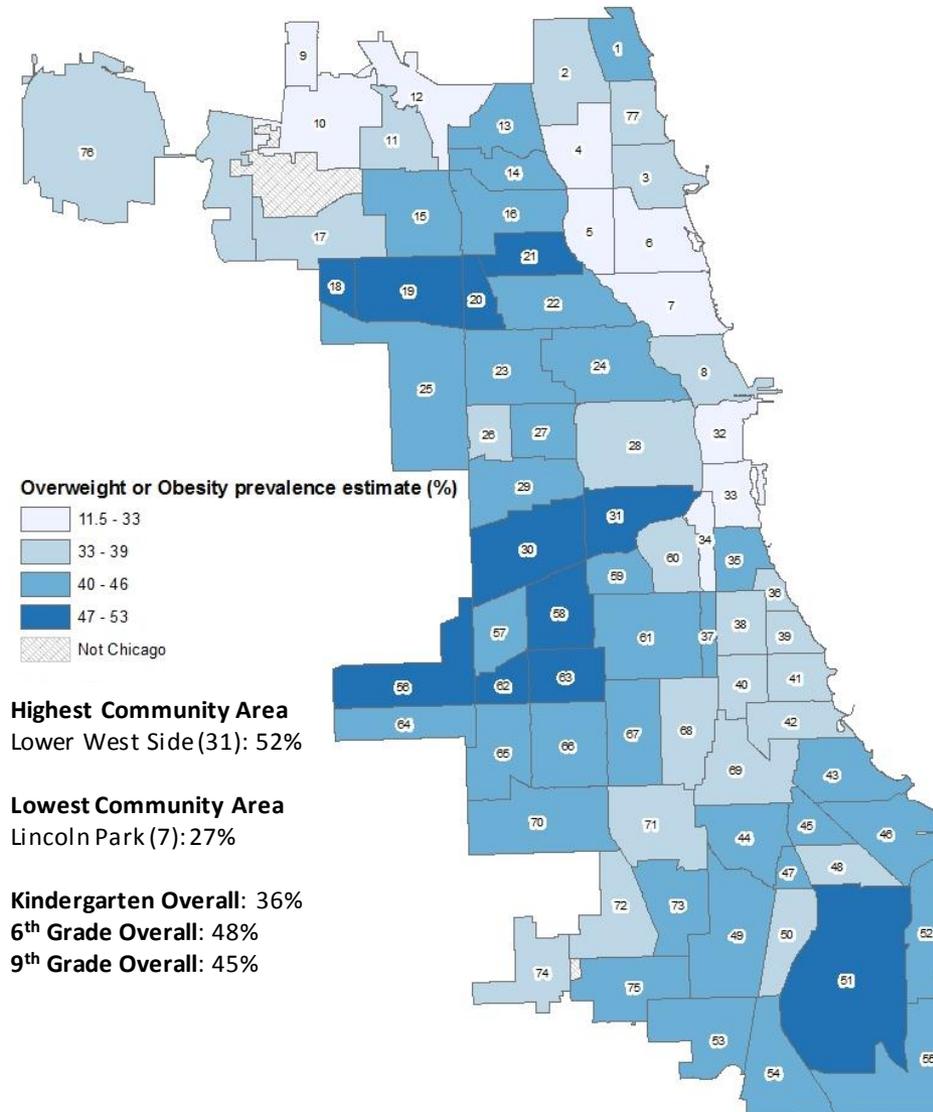
Sexual Identity*

Heterosexual	16.0%
LGB/ unsure	25.1%

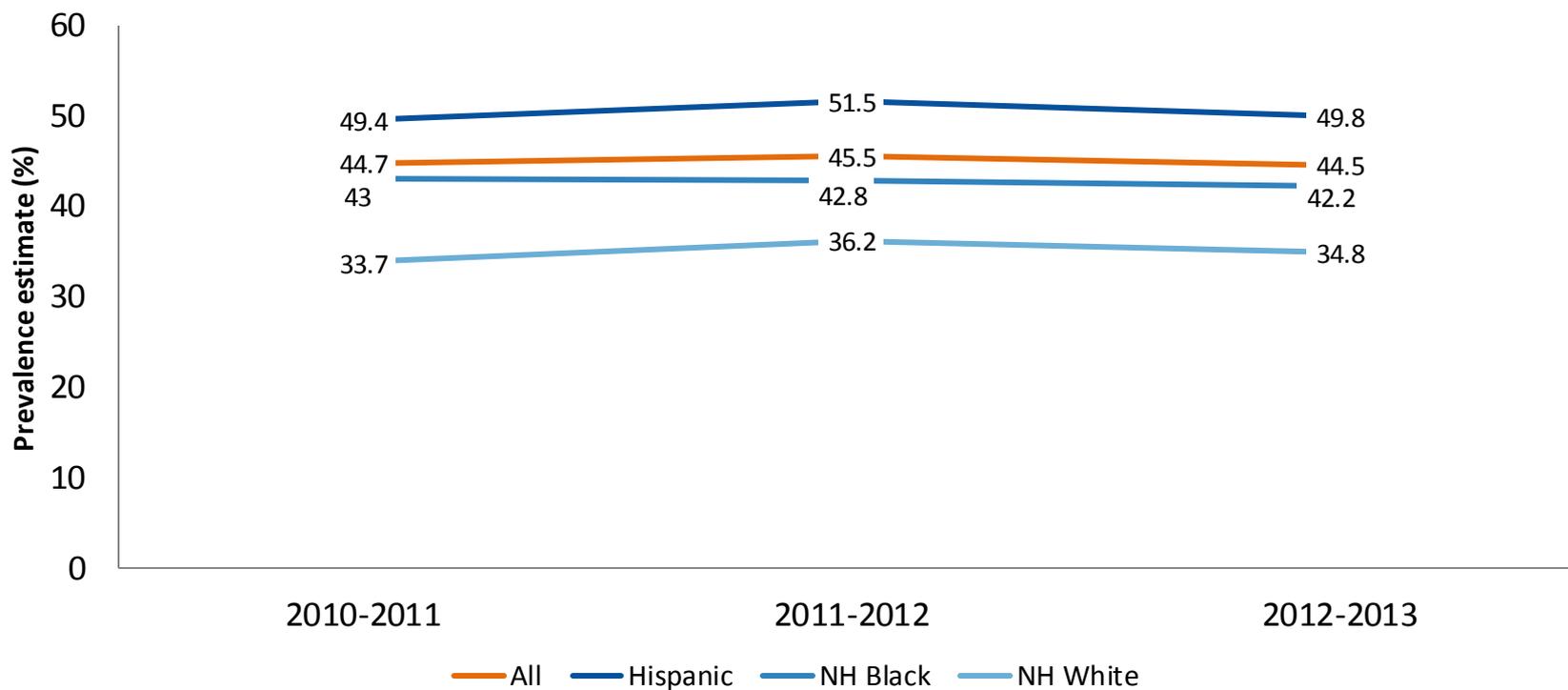
*Significant difference

Over one-third of Chicago's school-aged children are overweight or obese.

Obesity and Overweight in Kindergarteners, 6th and 9th Graders, 2012-13



Overweight or Obese, 9th grade



Gender*

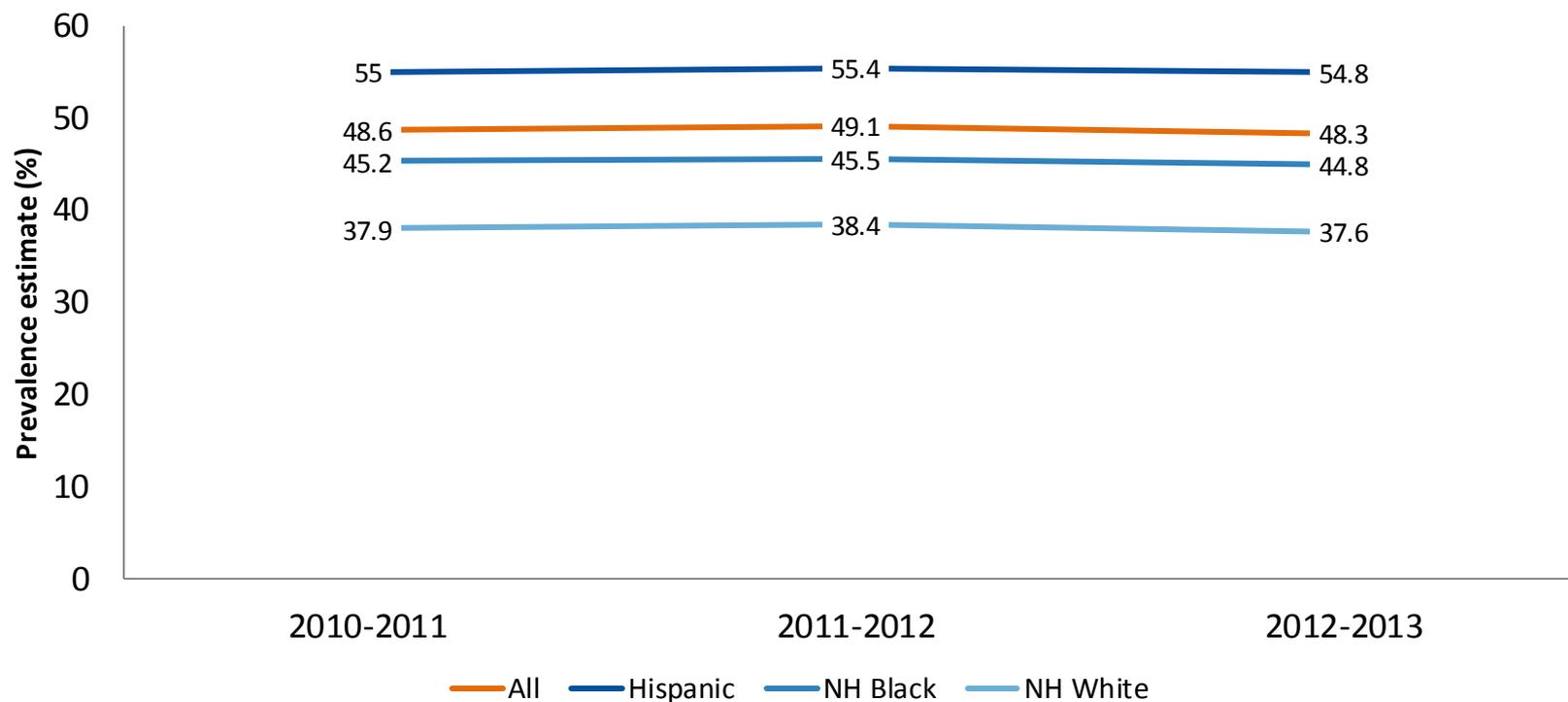
Male	43.5%
Female	45.5%

Race-Ethnicity*

Hispanic	49.8%
NH Black	42.2%
NH White	34.8%

*Significant difference

Overweight or Obese, 6th grade



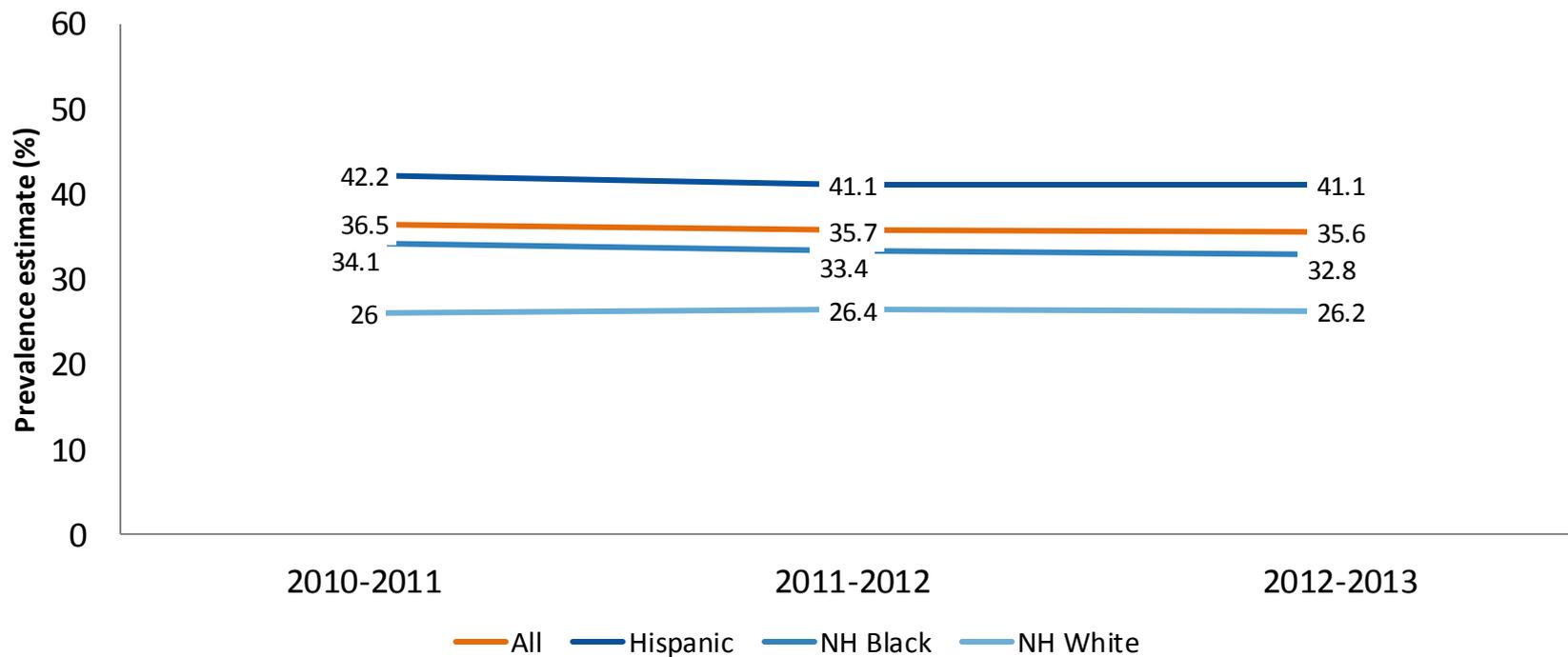
Gender*

Male	49.9%
Female	46.7%

Race-Ethnicity*

Hispanic	54.8%
NH Black	44.8%
NH White	37.6%

Overweight or Obese, Kindergarten



Gender*

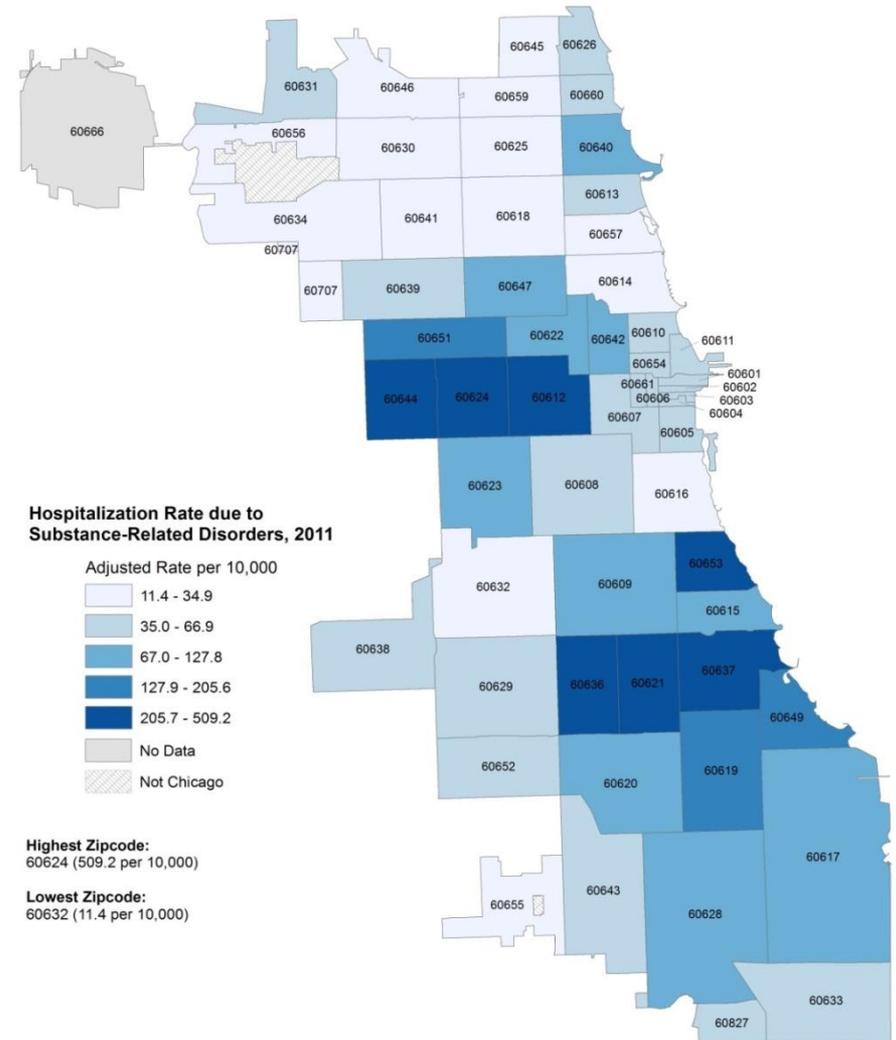
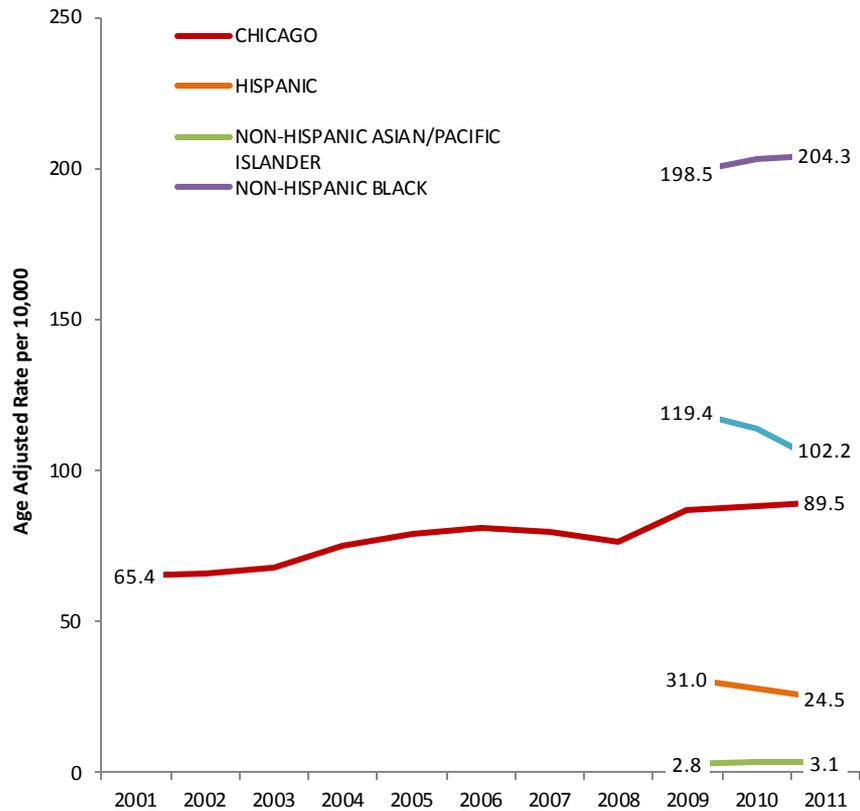
Male	36.2%
Female	34.9%

Race-Ethnicity*

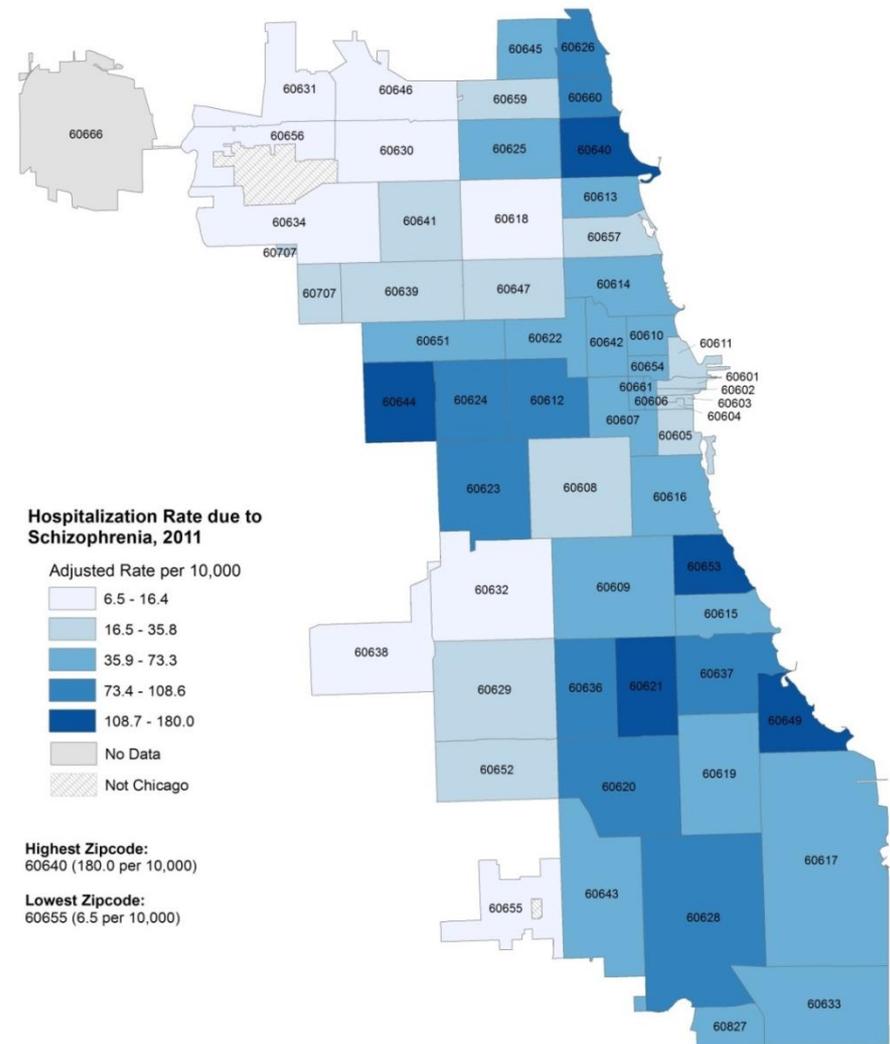
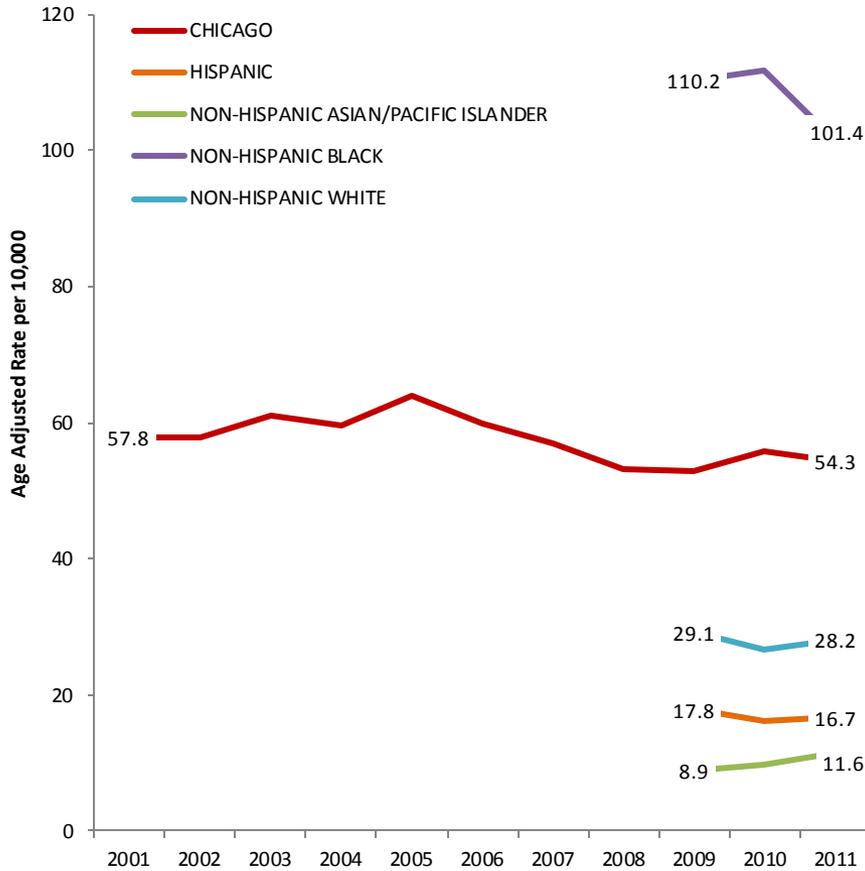
Hispanic	41.1%
NH Black	32.8%
NH White	26.2%

*Mental illness is a leading
cause of hospitalizations.*

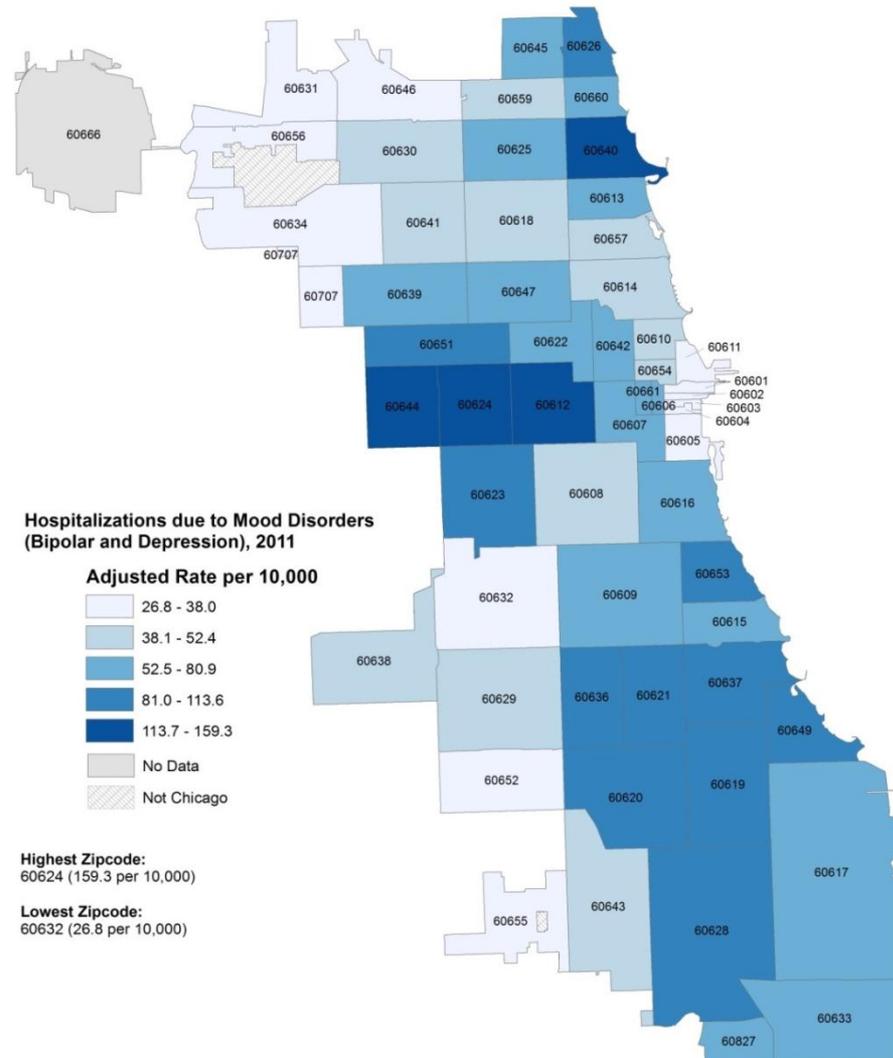
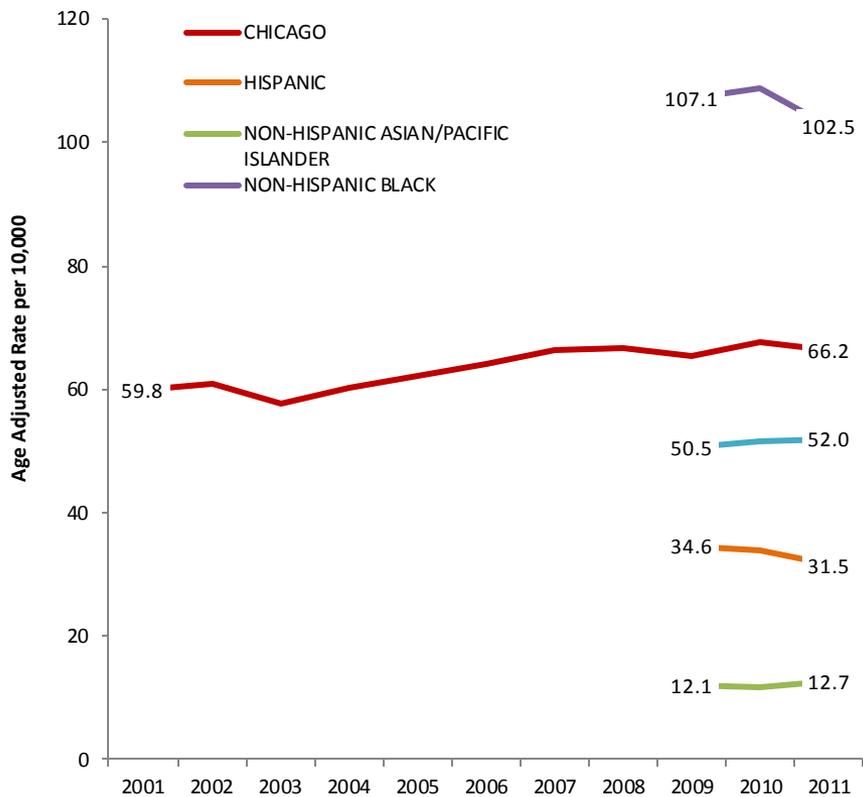
Hospitalizations due to Substance-related Disorders



Hospitalizations due to Schizophrenic Disorders



Hospitalizations due to Mood Disorders



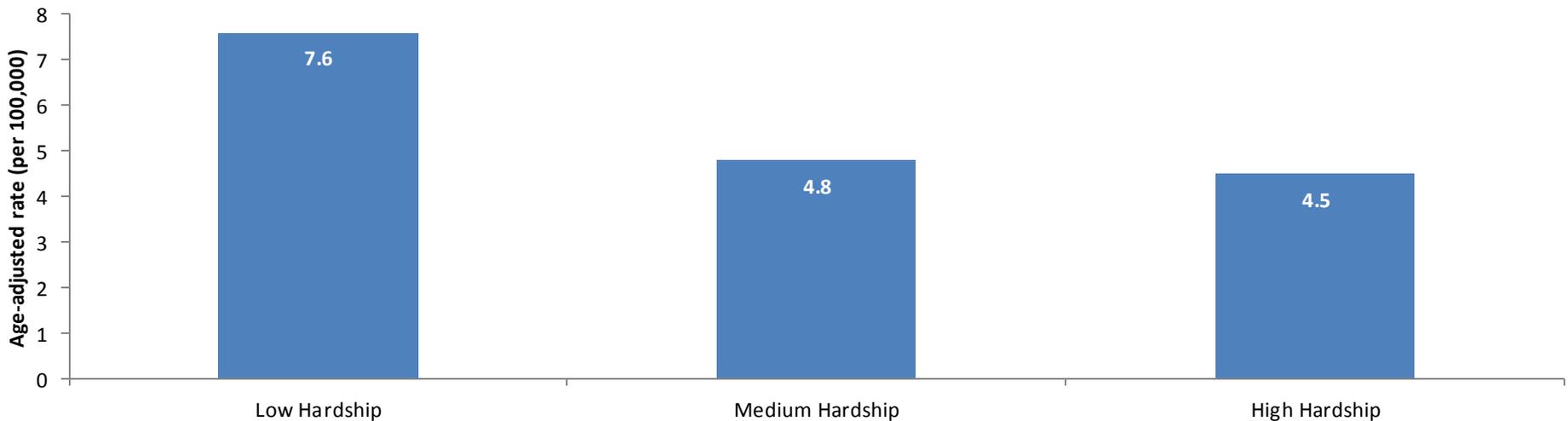
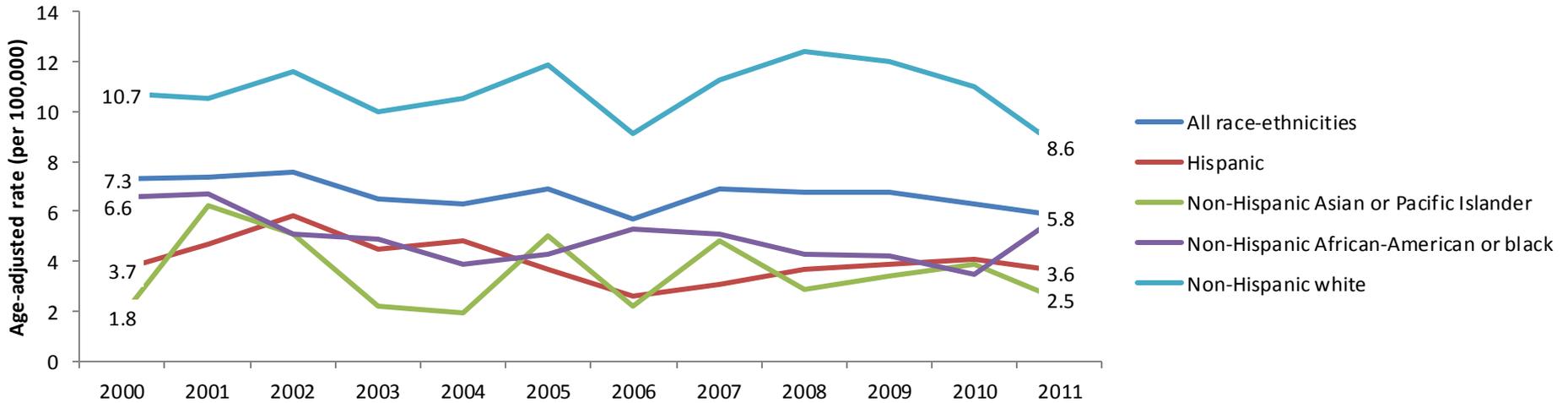
Mental Health

Suicide

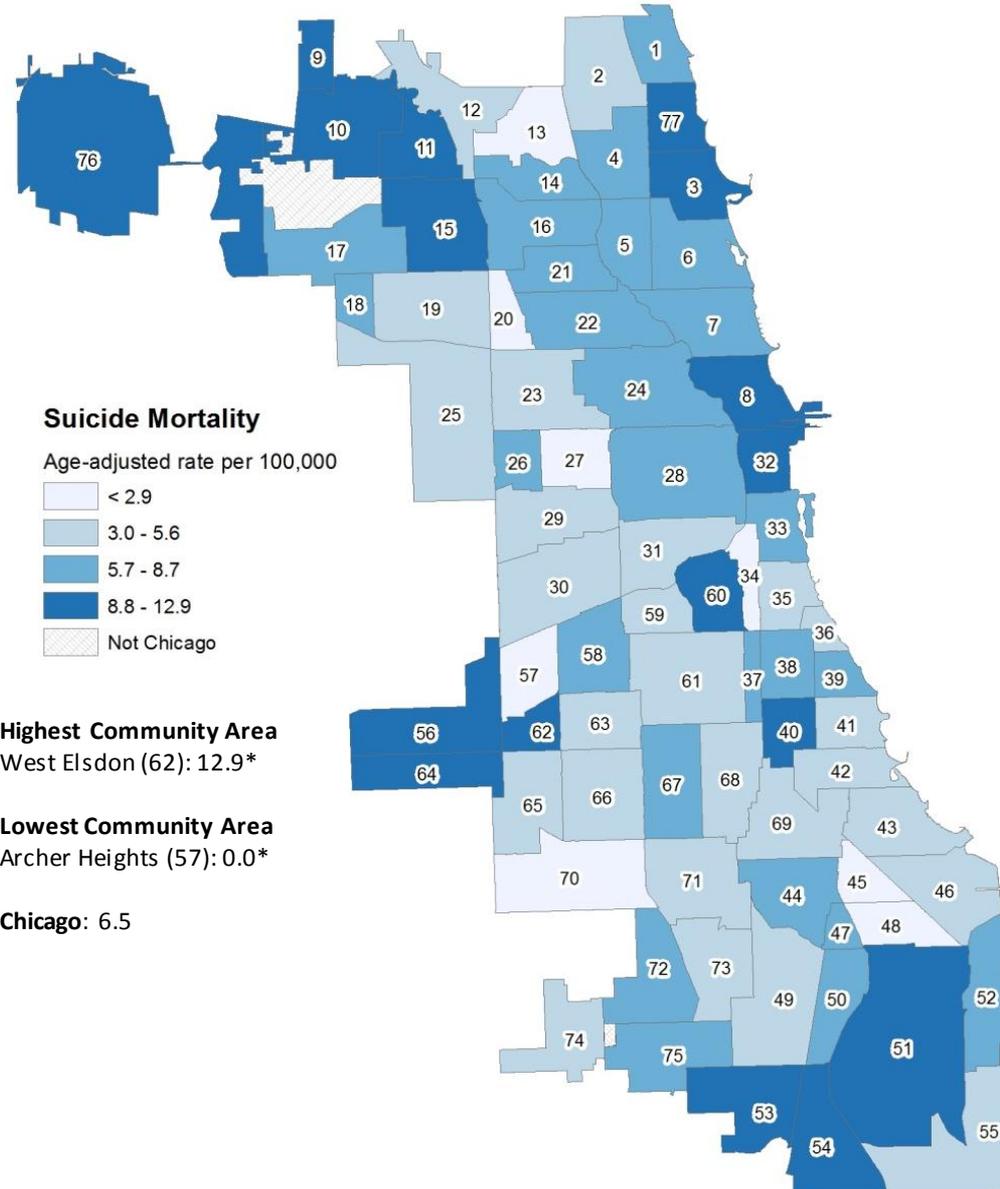
Healthy People 2020 10.2

 12.3

 5.8



Suicide



* Rates are unreliable due to the low number of reported deaths due to this cause during this period.

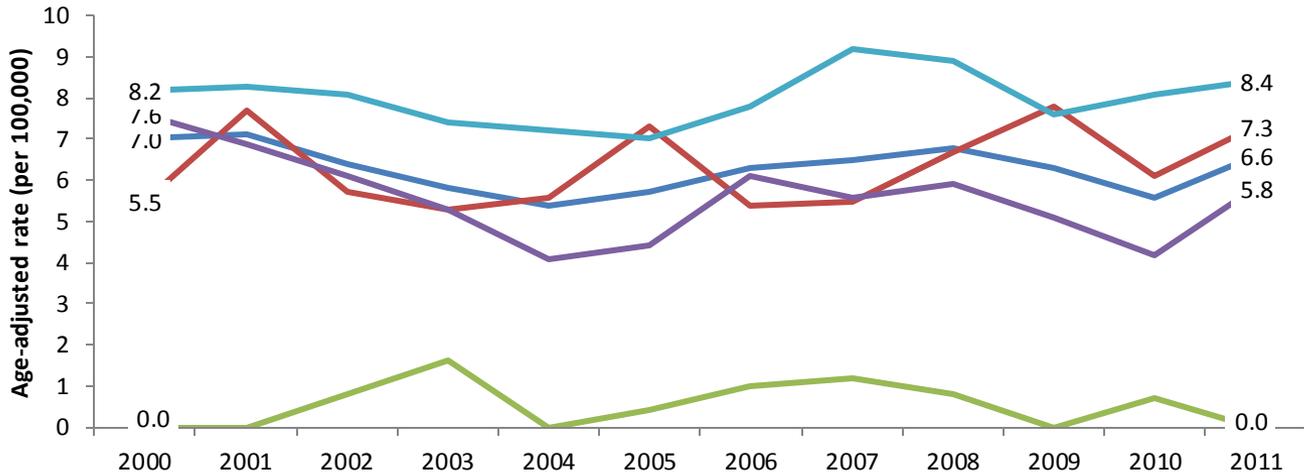
Alcohol-induced Mortality



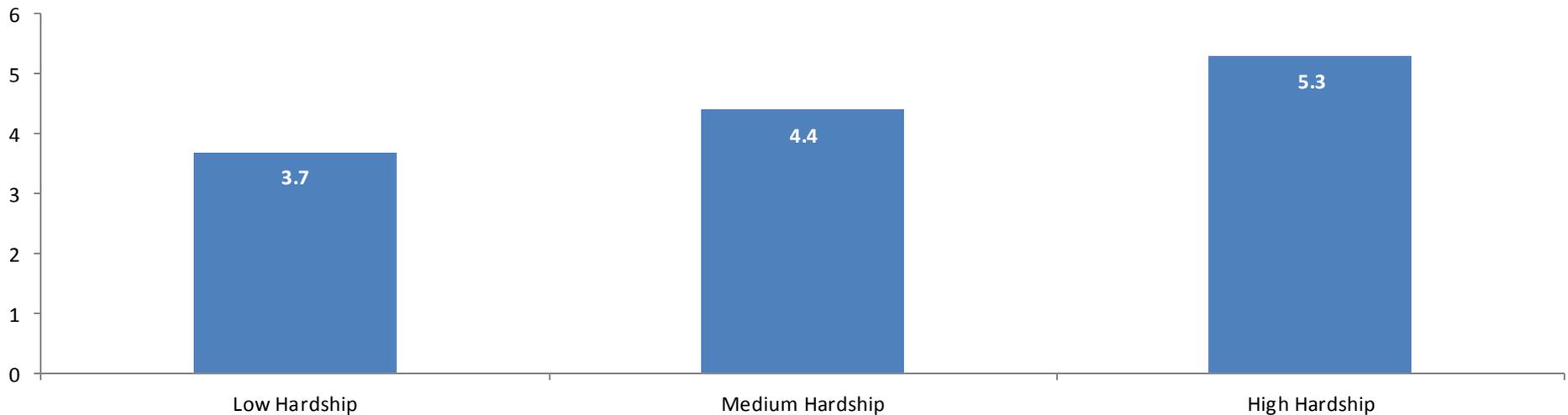
8.6



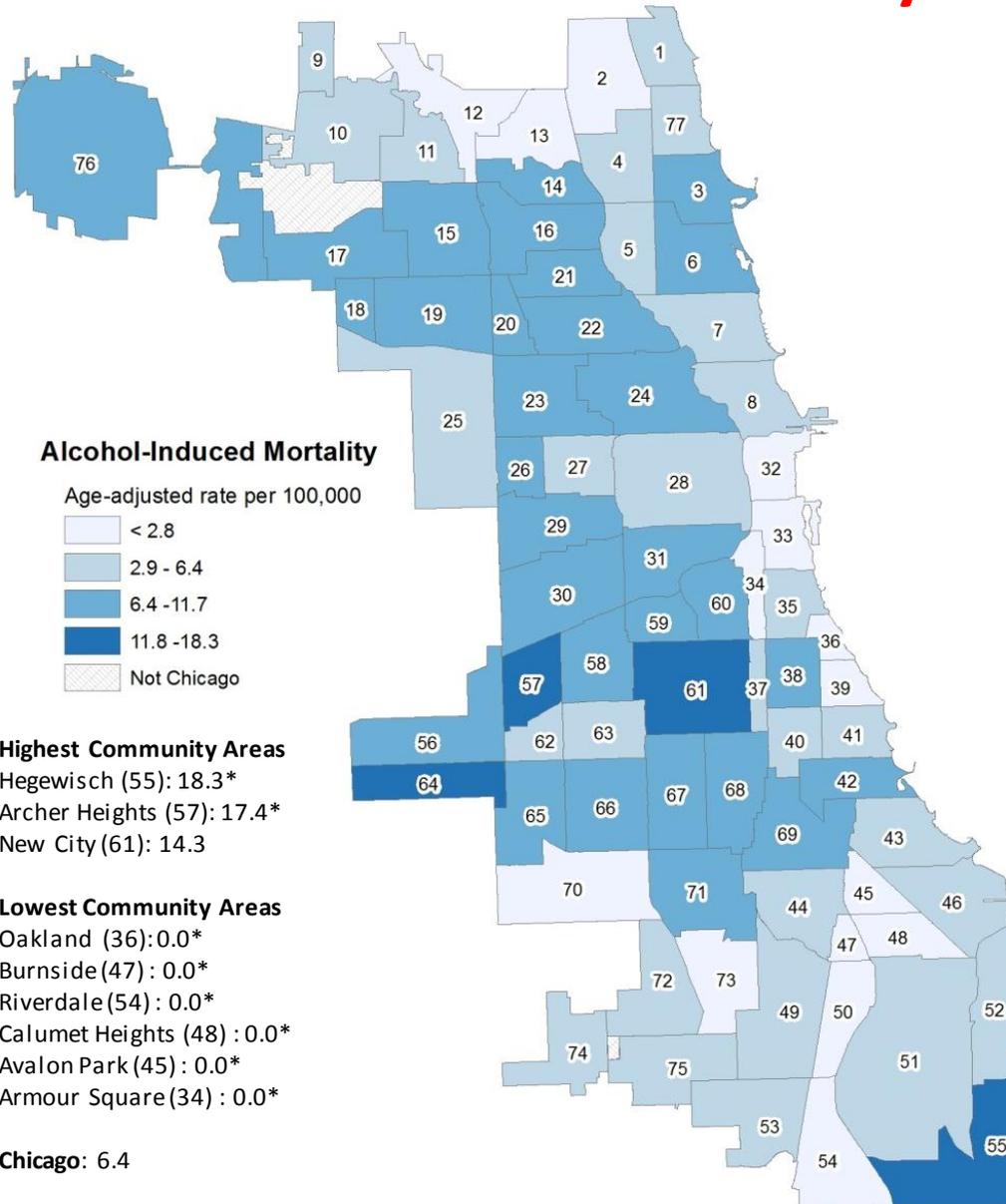
6.6



- All race-ethnicities
- Hispanic
- Non-Hispanic Asian or Pacific Islander
- Non-Hispanic African-American or black
- Non-Hispanic white

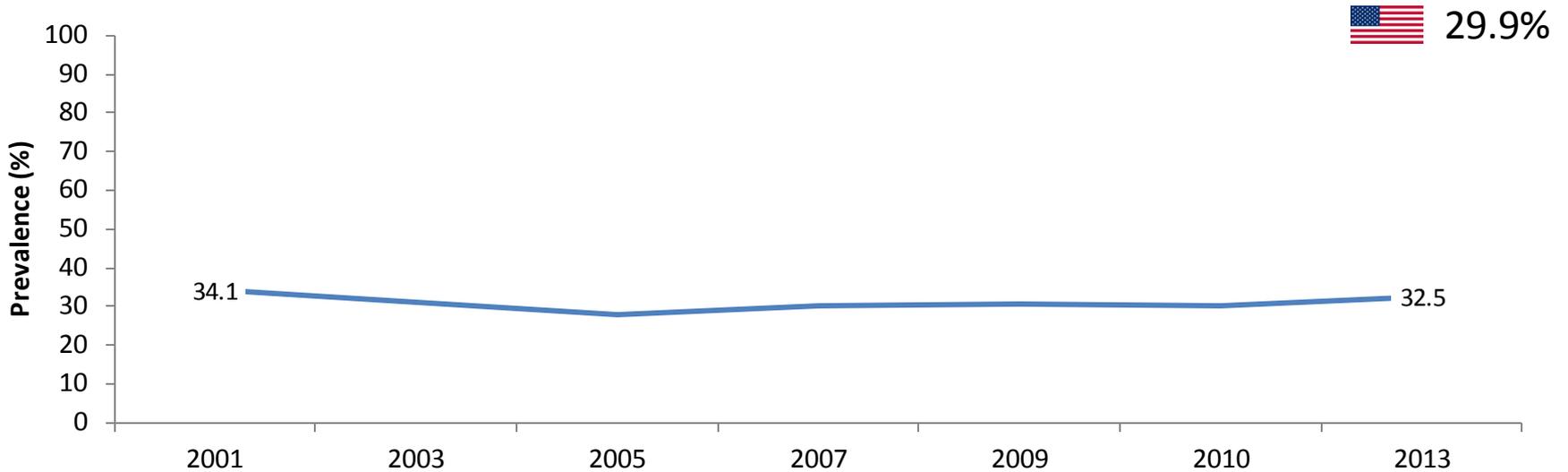


Alcohol-induced Mortality



* Rates are unreliable due to the low number of reported deaths due to this cause during this period.

Felt sad or hopeless



2013

Gender*

Male	23.5%
Female	40.7%

Race-Ethnicity

Hispanic	37.6%
NH Black	29.8%
NH White	24.6%

Grade

9 th	30.9%
10 th	33.8%
11 th	34.4%
12 th	30.7%

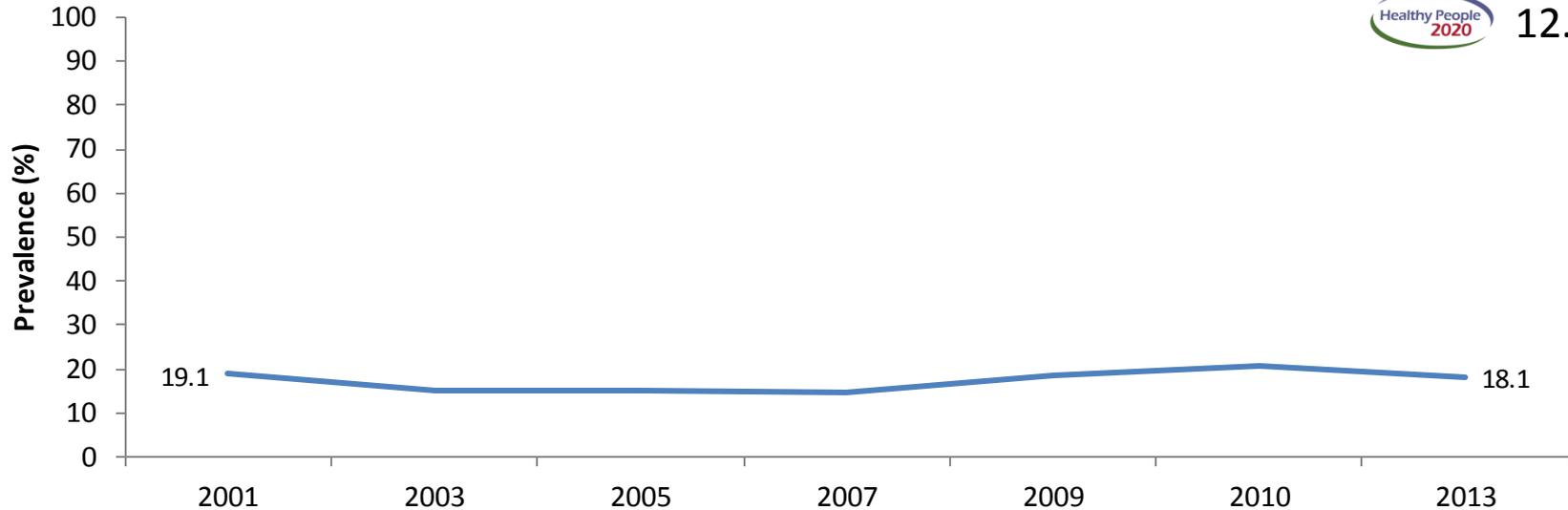
Sexual Identity*

Heterosexual	28.8%
LGB/ unsure	55.1%

* Significant difference

Exhibited disordered eating

Healthy People 2020 12.9%



2013

Gender*

Male	13.2%
Female	22.5%

Race-Ethnicity

Hispanic	20.5%
NH Black	16.8%
NH White	12.2%

Grade

9 th	21.3%
10 th	19.3%
11 th	17.2%
12 th	13.1%

Sexual Identity*

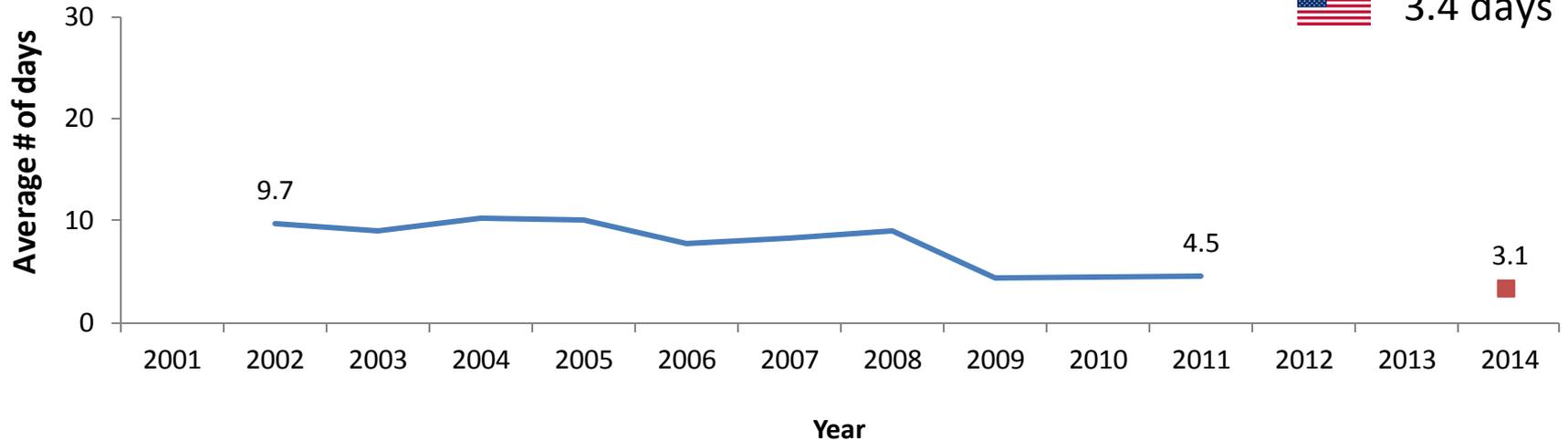
Heterosexual	14.5%
LGB/ unsure	37.5%

*Significant difference

Mentally Unhealthy Days

3.1 days

 3.4 days



2014

Gender

Male	2.7
Female	3.5

Race-Ethnicity

Hispanic	3.6
NH Black	3.4
NH White	2.8

Age

18-29	2.8
30-44	3.5
45-64	3.4
65+	2.4

Hardship*

Low	2.6
Medium	3.9
High	3.1

* Indicates statistically significant difference at $\alpha = 0.05$

Psychological Distress (Kessler 6 Score)

- About how often in the past 30 days did you feel...
 - Nervous?
 - Hopeless?
 - Restless or Fidgety?
 - So depressed that nothing could cheer you up?
 - That everything was an effort?
 - Worthless?

No psychological
distress

87%

Mild/Moderate
distress

8%

Serious
distress

5%

Mental Health

Frequent Mental Distress

(14+ days where mental health was not good)

9.2%



10.2%

Ever Had Depression

16.7%



16.9%

**Current Mental Health
Treatment**

10.4%

Access to Mental Health Treatment

During the past 12 months, was there any time when you needed mental health treatment for yourself but didn't get it?

5.8%

Why didn't you get the treatment you needed?

Couldn't afford it	43.1%
Did not know where to go for services	24.1%
Health insurance doesn't cover or pay enough for mental health treatment	16.9%
Worried about stigma or privacy	8.1%
Concerned I'd be committed to a psychiatric hospital	7.5%

Binge Drinking

Males having five or more drinks on one occasion or females having four or more drinks on one occasion in the past 30 days.

29.0%

600,000 adults

 17.1%

Gender*

Male	38.1%
Female	20.3%

Race-Ethnicity*

Hispanic	33.2%
NH Black	18.6%
NH White	38.6%

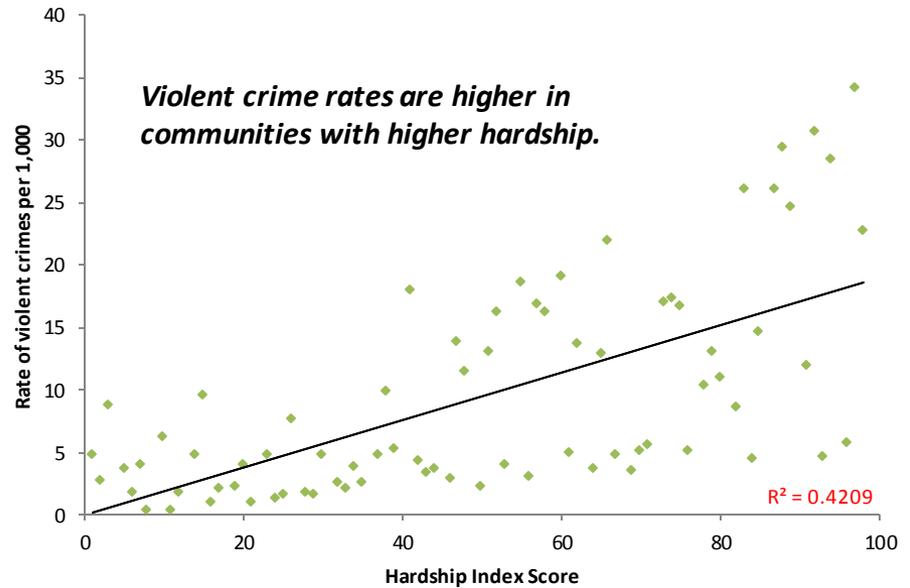
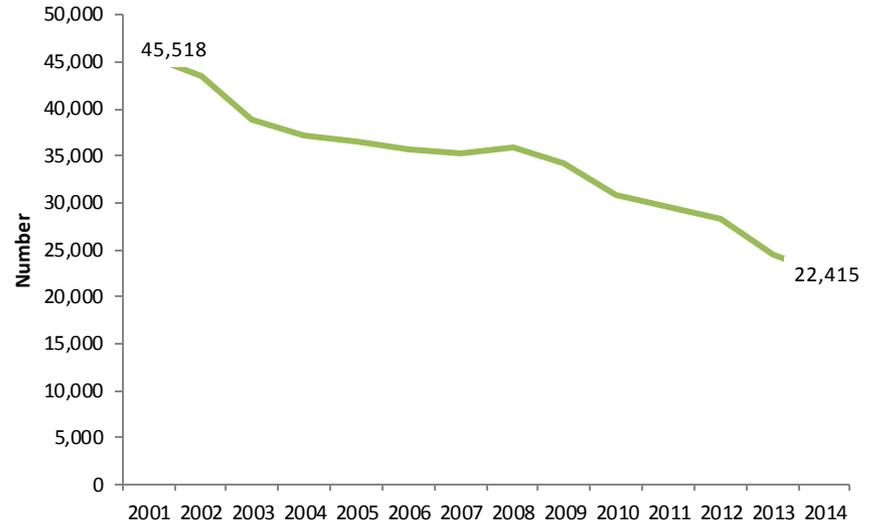
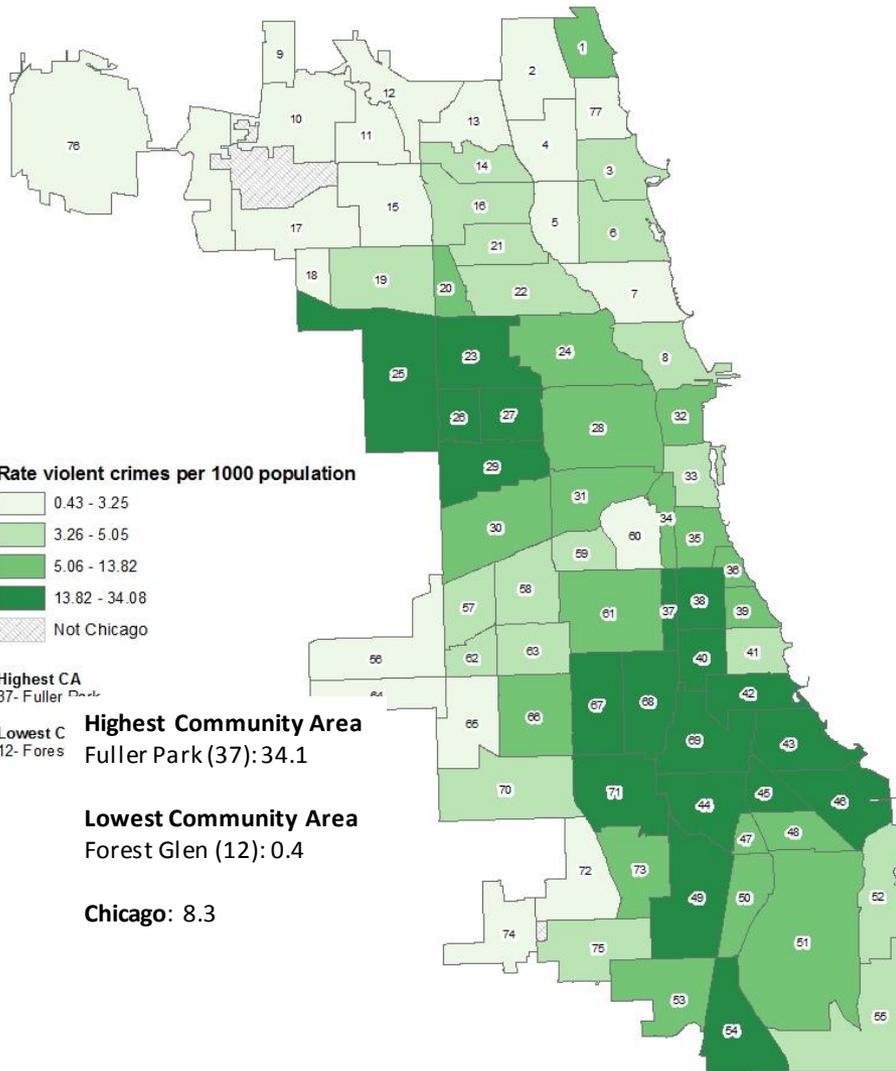
Age

18-29	37.7%
30-44	37.4%
45-64	20.8%
65+	5.7%

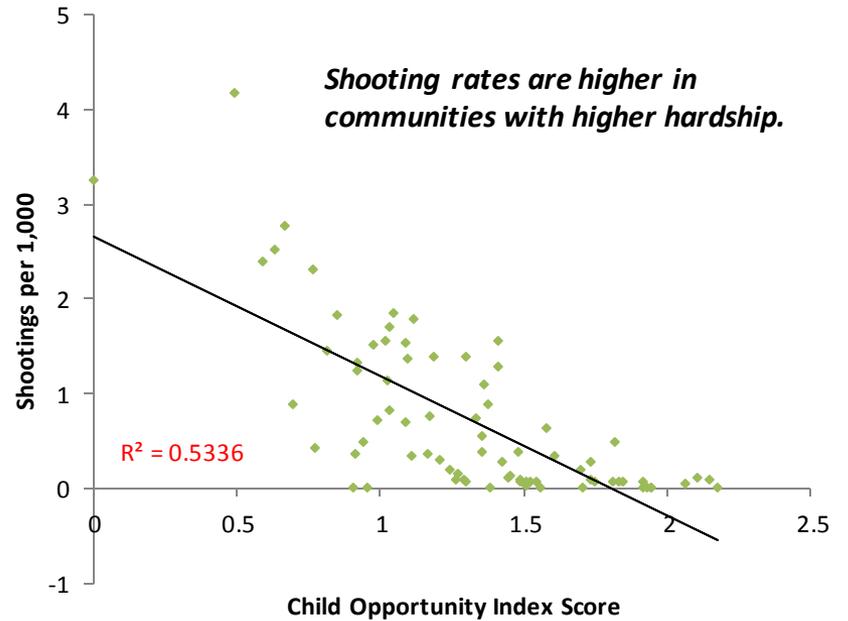
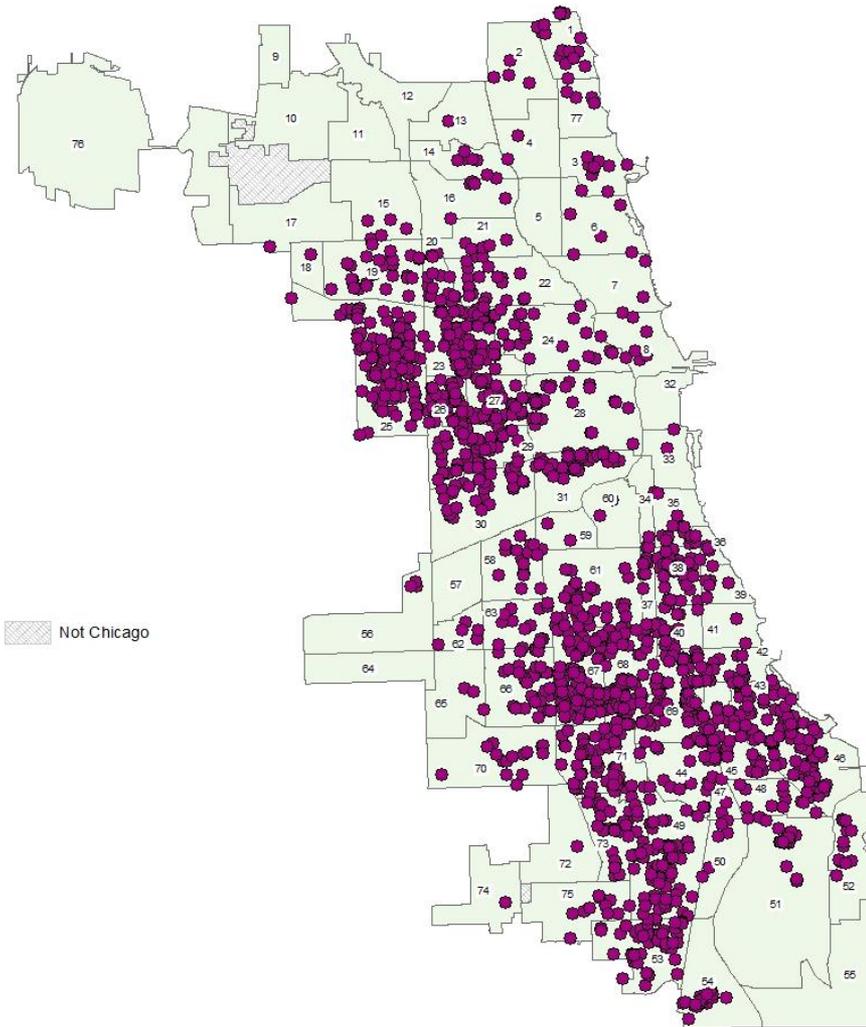
* Indicates statistically significant difference at $\alpha = 0.05$

Crime and Violence

Violent Crime

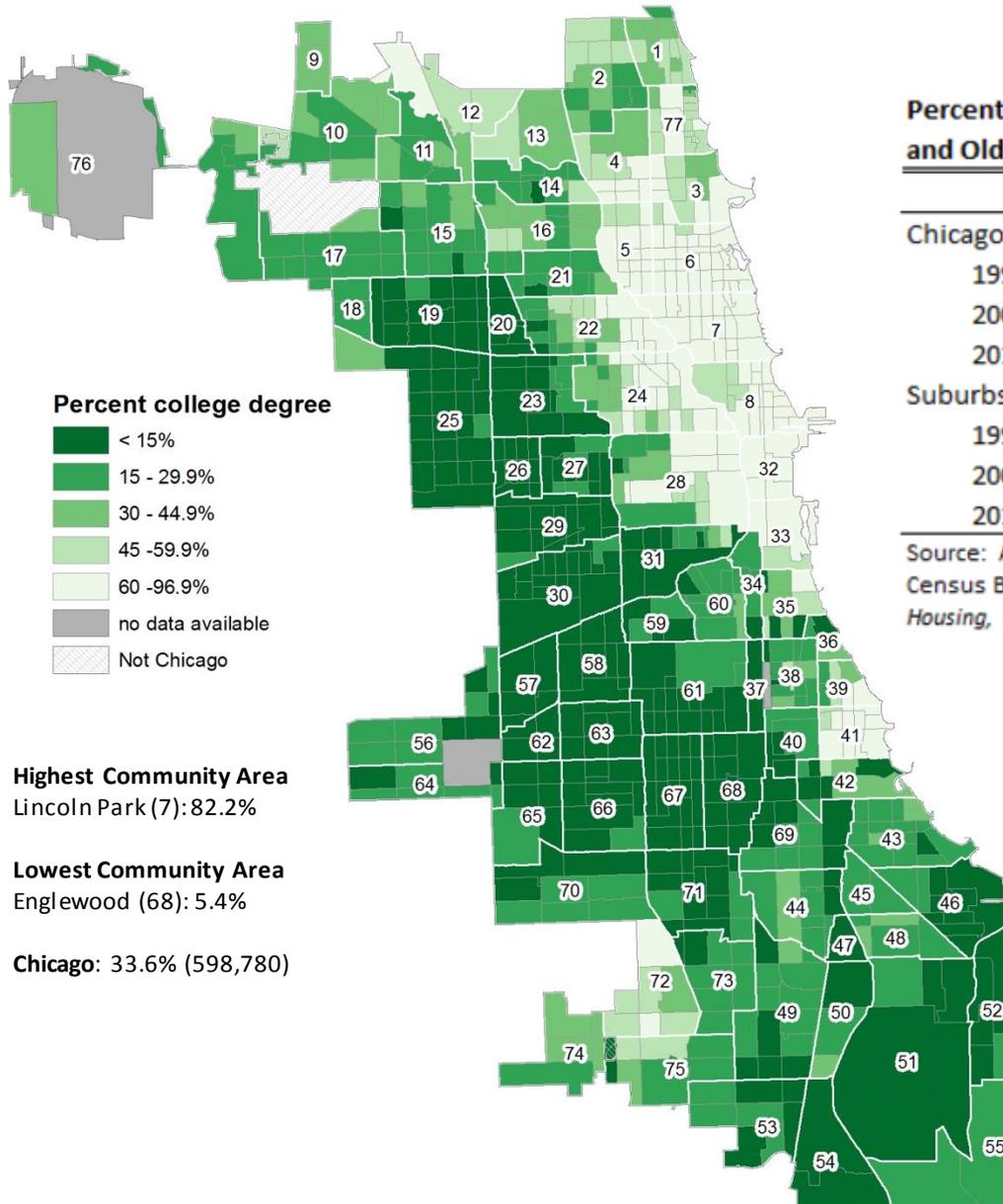


Non-fatal Shootings

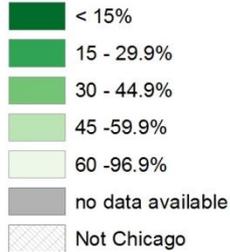


Education

Population with at Least a College Diploma



Percent college degree



Highest Community Area
Lincoln Park (7): 82.2%

Lowest Community Area
Englewood (68): 5.4%

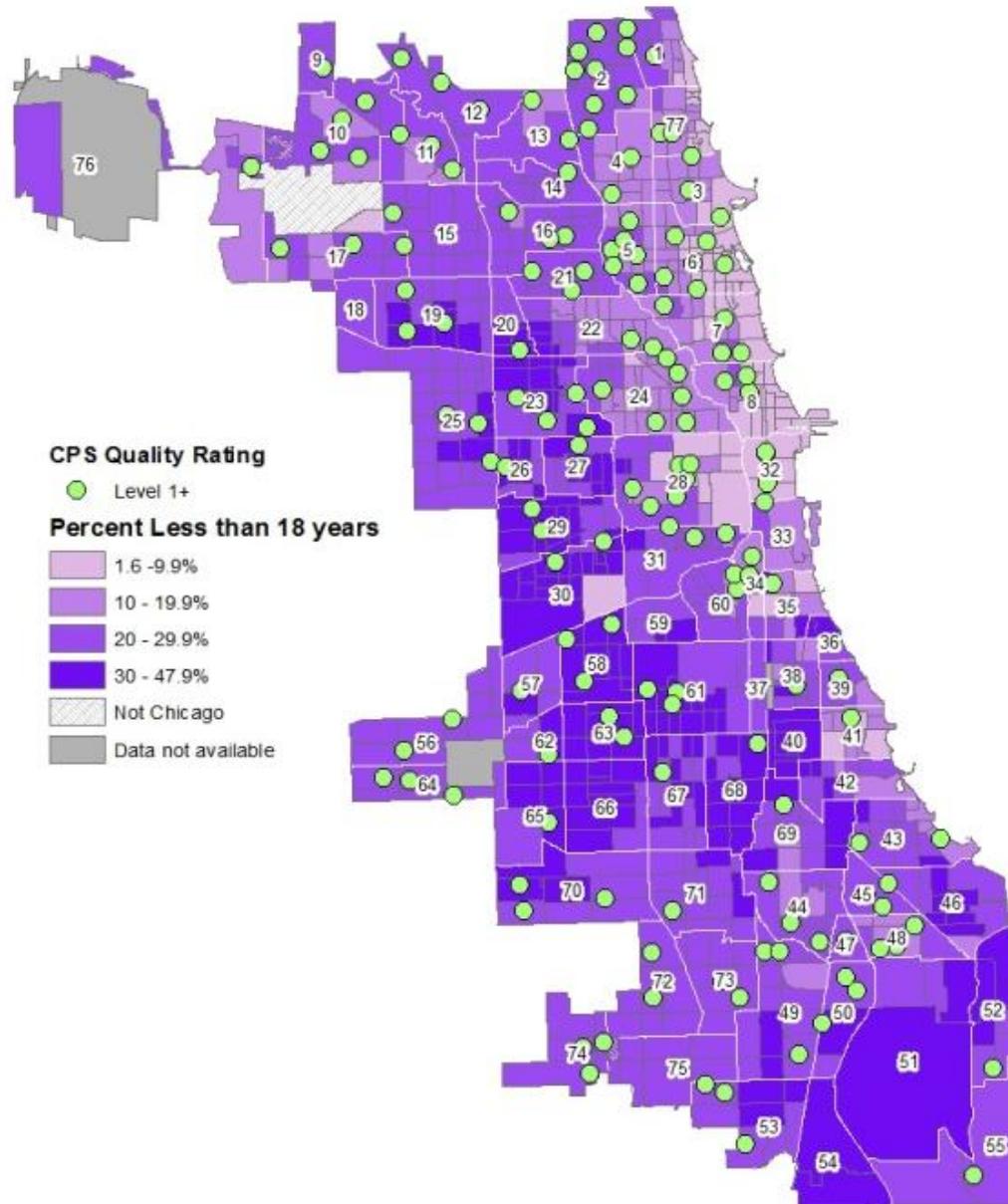
Chicago: 33.6% (598,780)

Percentage of Chicago Population Aged 25 Years and Older with a Bachelor's Degree

	All	White	Black	Hispanic
Chicago				
1990	19	29	11	9
2000	26	42	13	8
2010	33	55	17	12
Suburbs				
1990	28	29	17	13
2000	33	35	20	10
2010	35	39	22	13

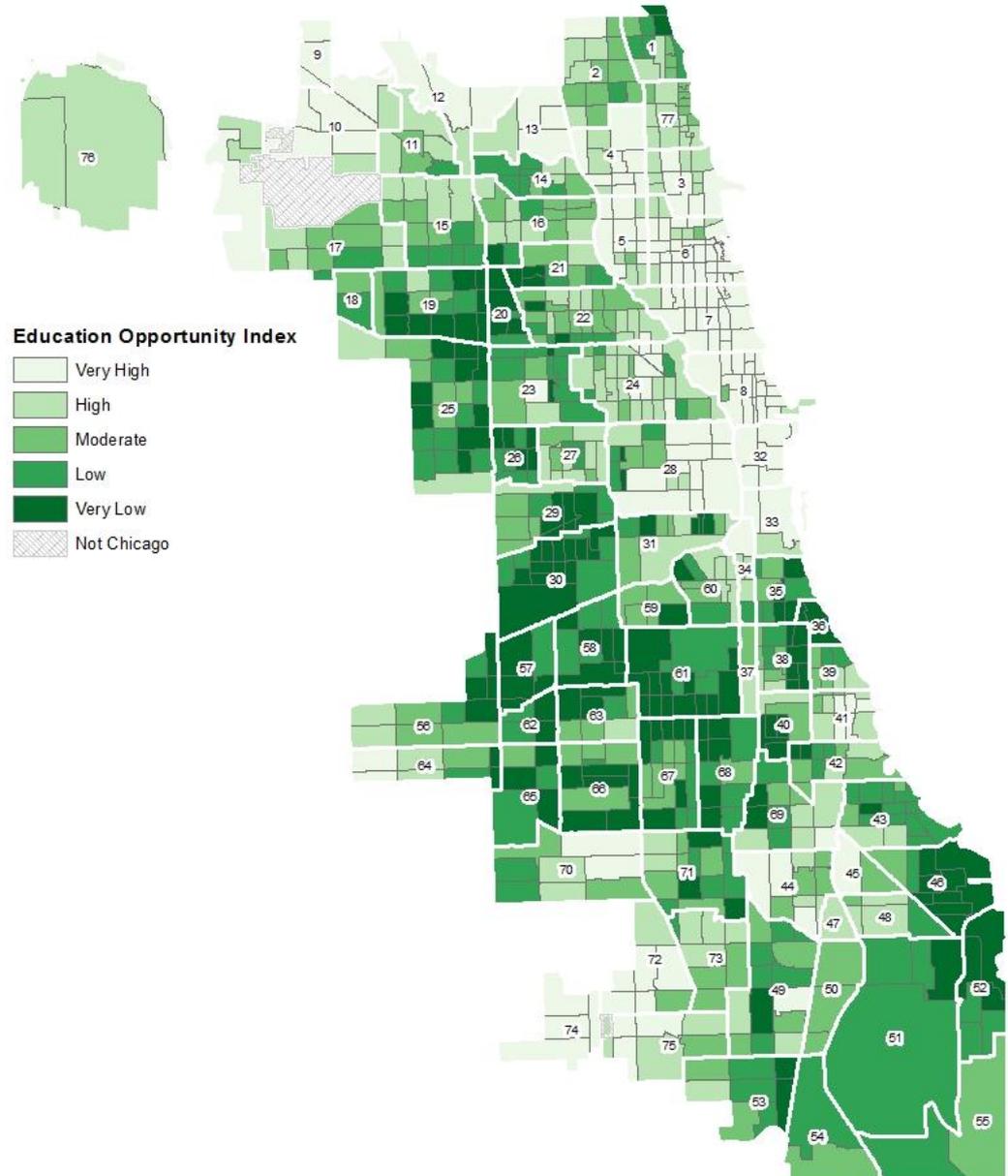
Source: Authors' calculations based on data from the U.S. Census Bureau 1990 and 2010 *Census of Population and Housing*, and the *American Community Survey 2010*.

Lots of Kids \neq Good Schools

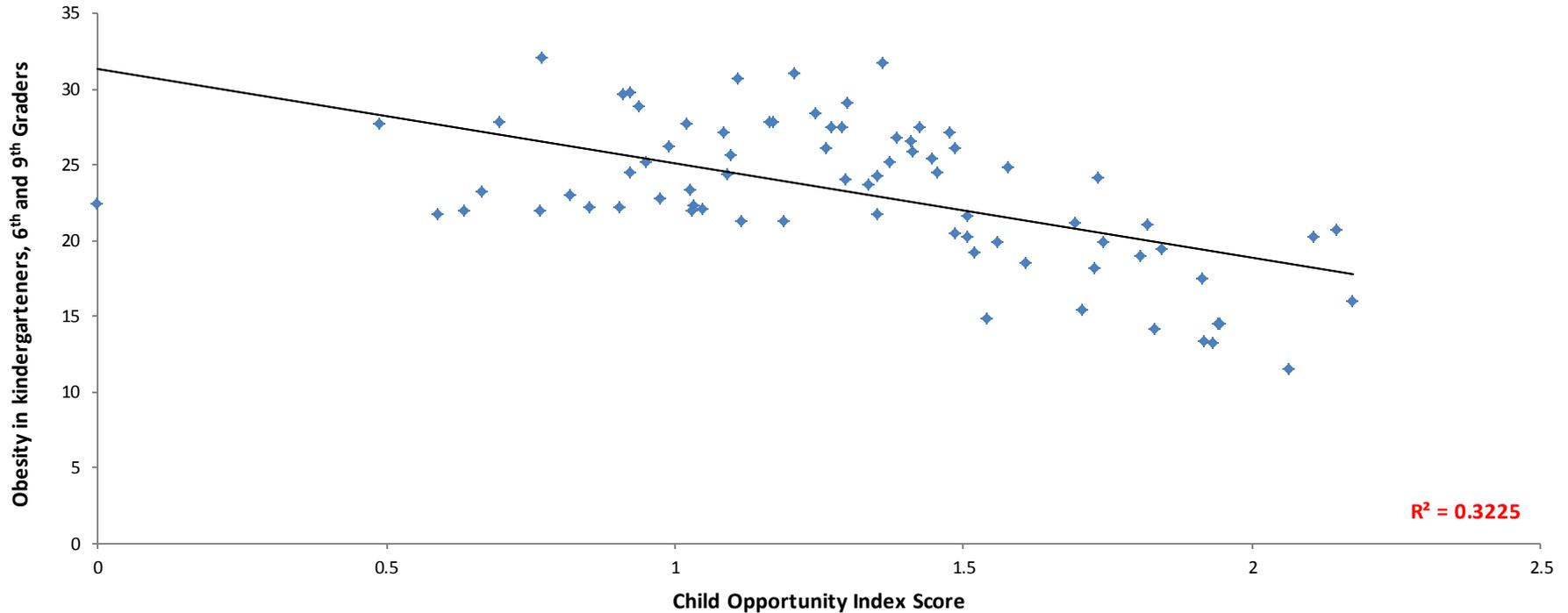


Educational Opportunity Index

- Adult educational attainment
- Student (school) poverty rate
- Reading proficiency rate
- Math proficiency rate
- Early childhood education neighborhood participation patterns
- High school graduation rate
- Proximity to high-quality early childhood education centers
- Proximity to early childhood education centers of any type



Educational Opportunity and Obesity

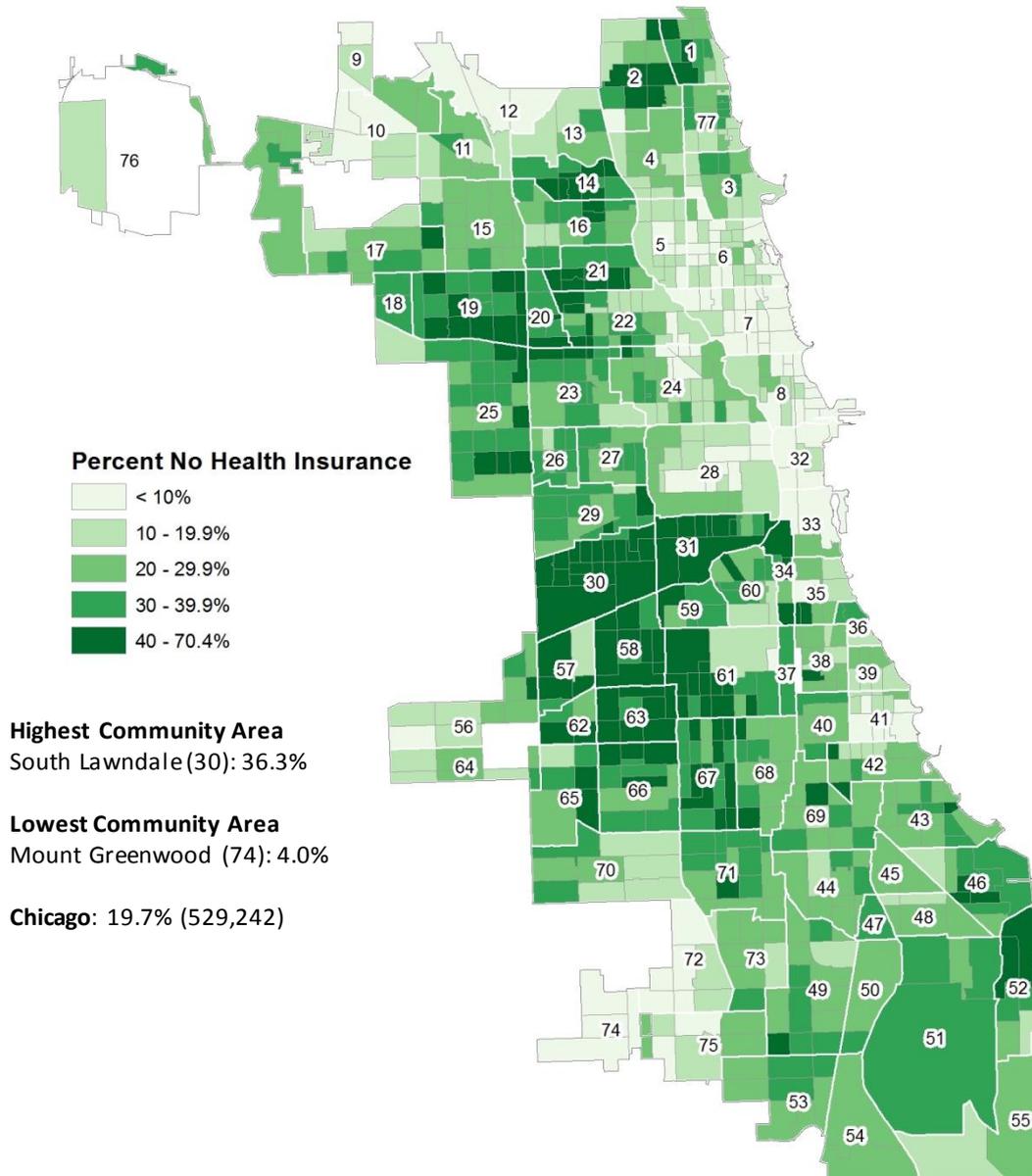


$R^2 = 0.3225$

Obesity among CPS kindergarteners, sixth and ninth graders is greater in children with more educational opportunity.

Access to Health Care

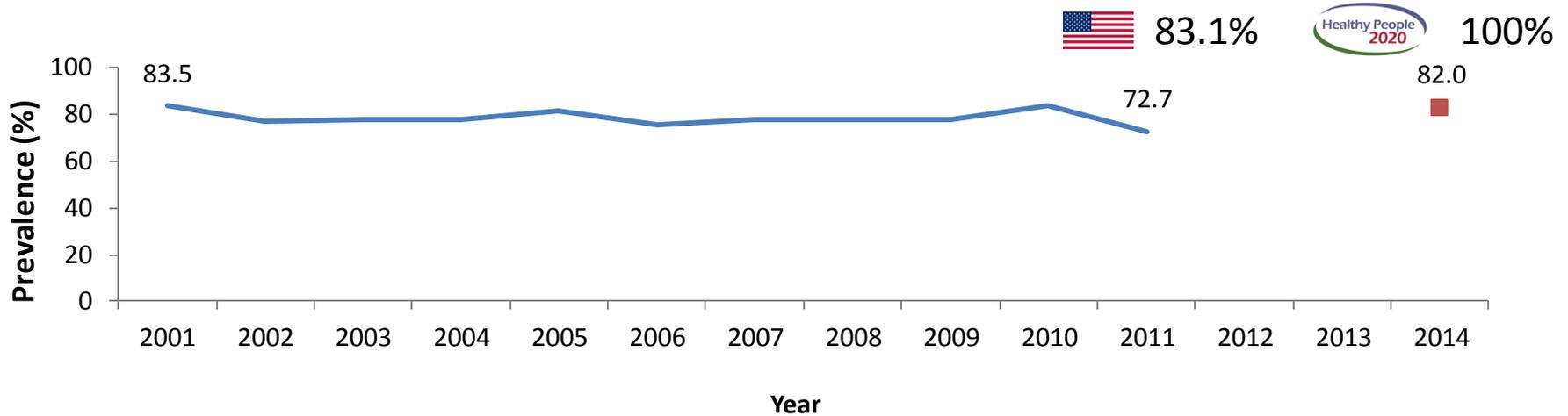
Uninsured among 18-64 Year Olds



Has Health Coverage

82.0%

1,558,000 adults



2014

Gender*

Male	77.1%
Female	86.3%

Race-Ethnicity*

Hispanic	65.3%
NH Black	83.3%
NH White	91.8%

Age*

18-29	75.4%
30-44	78.7%
45-64	84.1%
65+	96.6%

Hardship*

Low	89.5%
Medium	79.0%
High	75.0%

* Indicates statistically significant difference at $\alpha = 0.05$

Source: Behavioral Risk Factor Surveillance System, 2001-2011; Healthy Chicago Survey, 2014

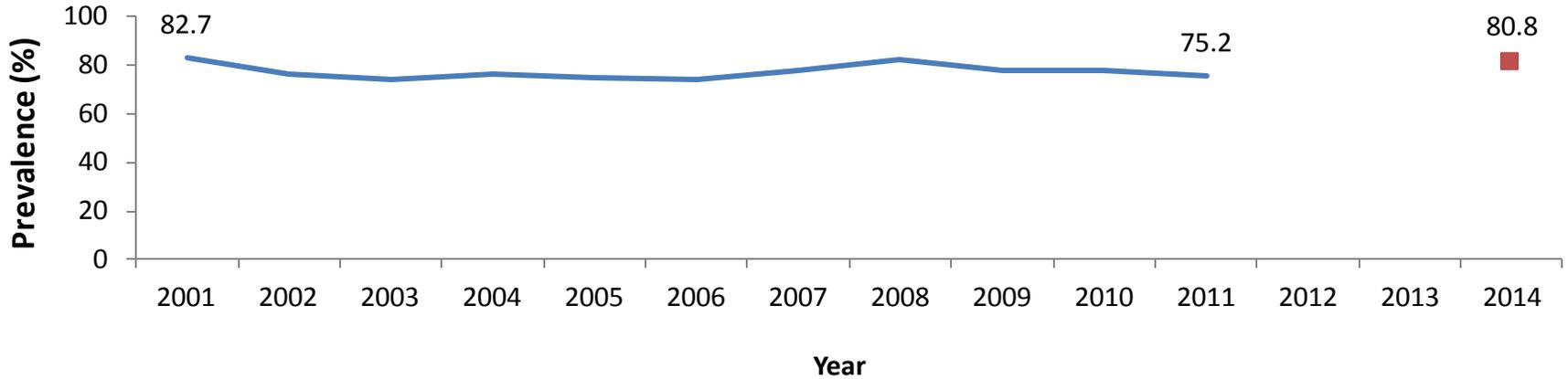
Have Primary Care Provider

80.8%

1,539,000 adults

 77.3%

 83.9%



2014

Gender*

Male	72.6%
Female	88.2%

Race-Ethnicity*

Hispanic	68.4%
NH Black	79.4%
NH White	89.7%

Age*

18-29	71.3%
30-44	76.6%
45-64	86.8%
65+	94.0%

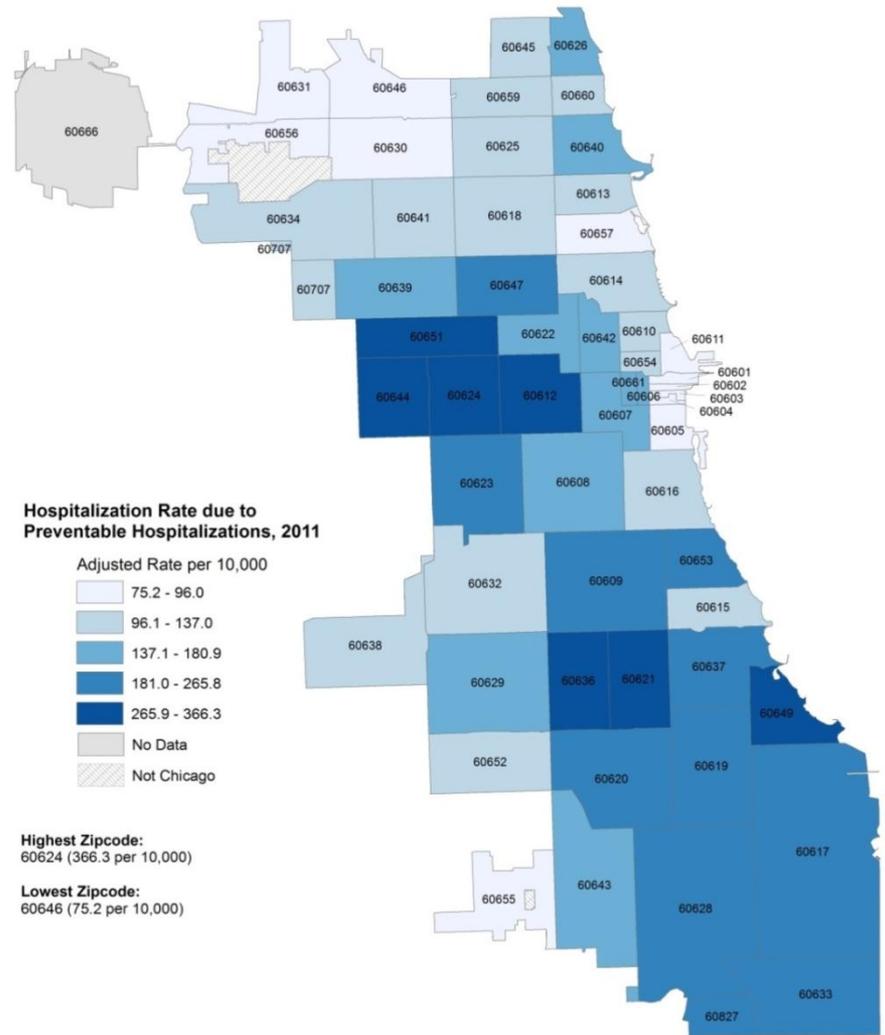
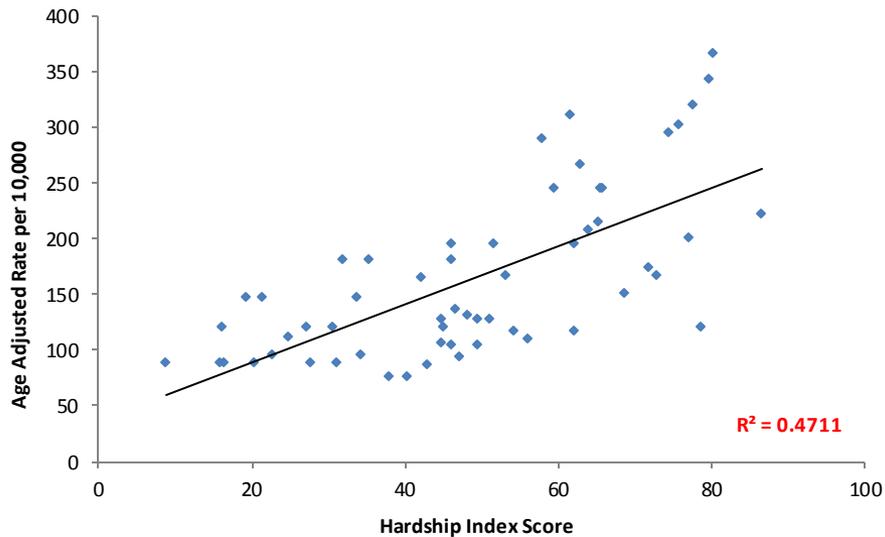
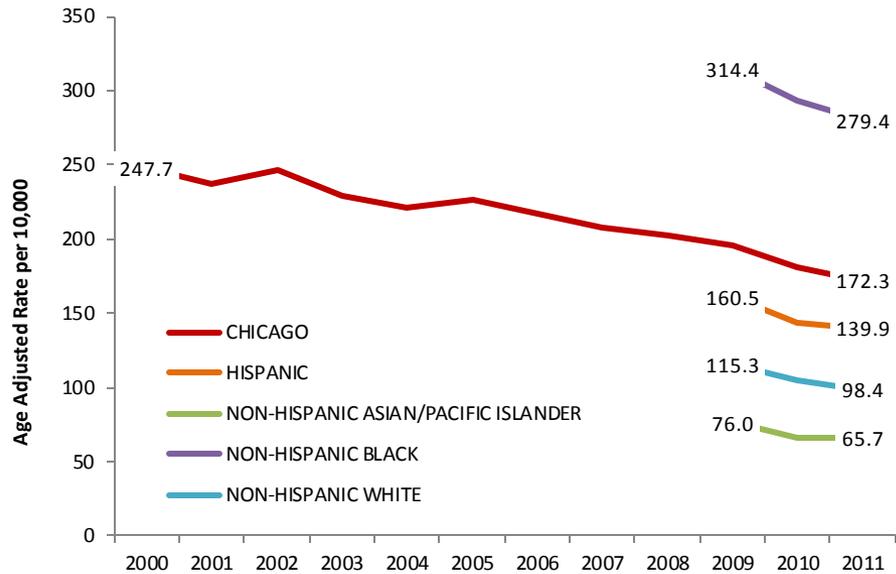
Hardship*

Low	85.8%
Medium	80.9%
High	74.1%

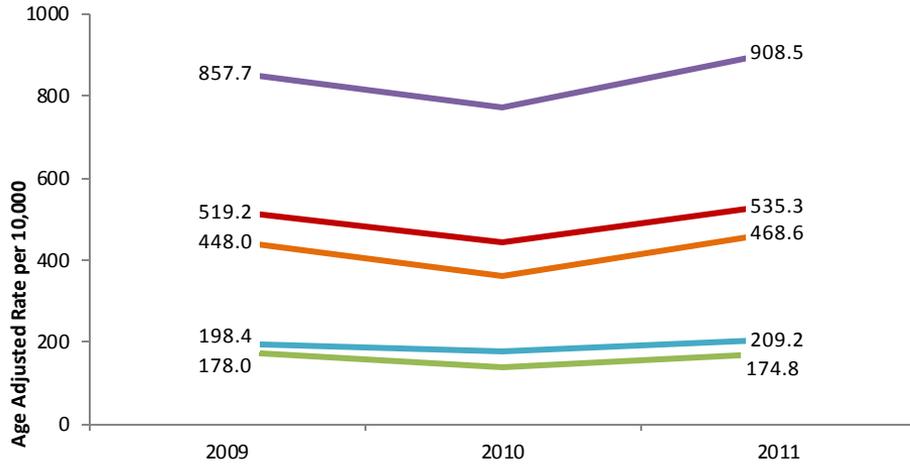
* Indicates statistically significant difference at $\alpha = 0.05$

Source: Behavioral Risk Factor Surveillance System, 2001-2011; Healthy Chicago Survey, 2014

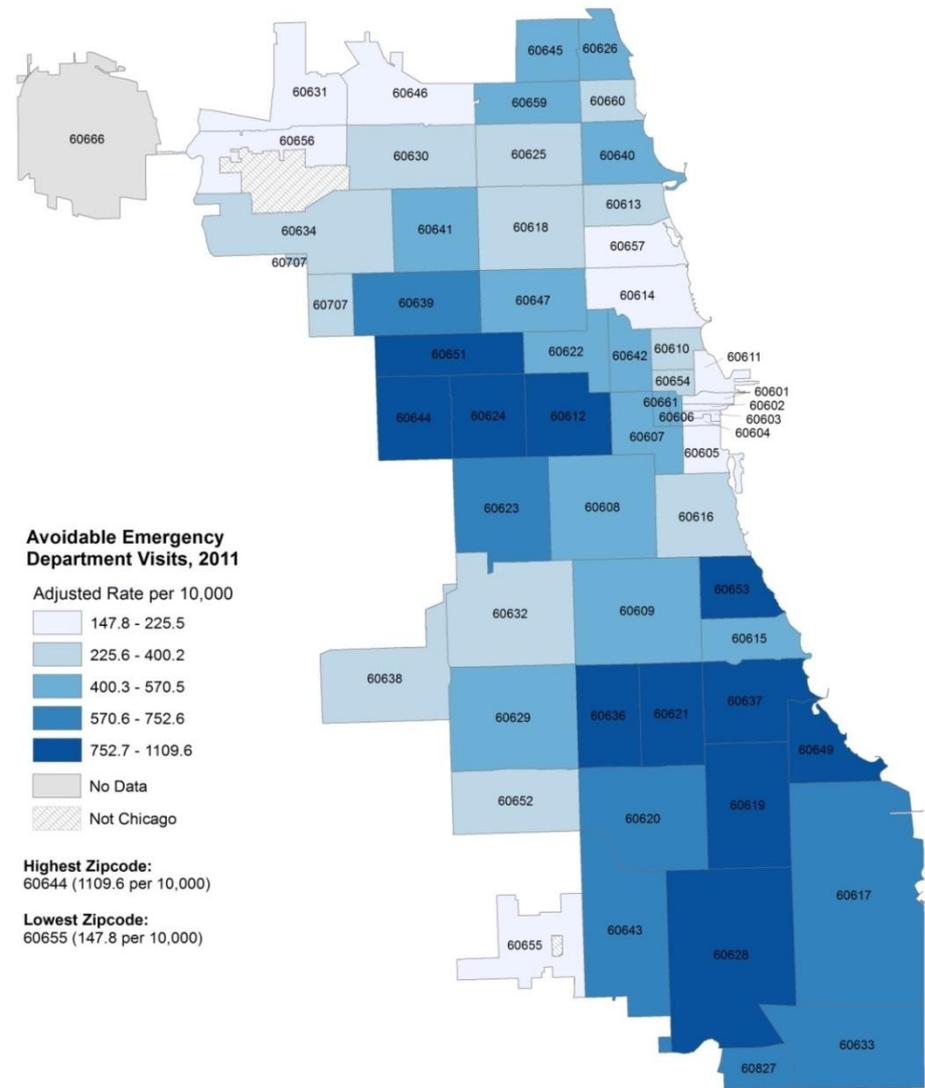
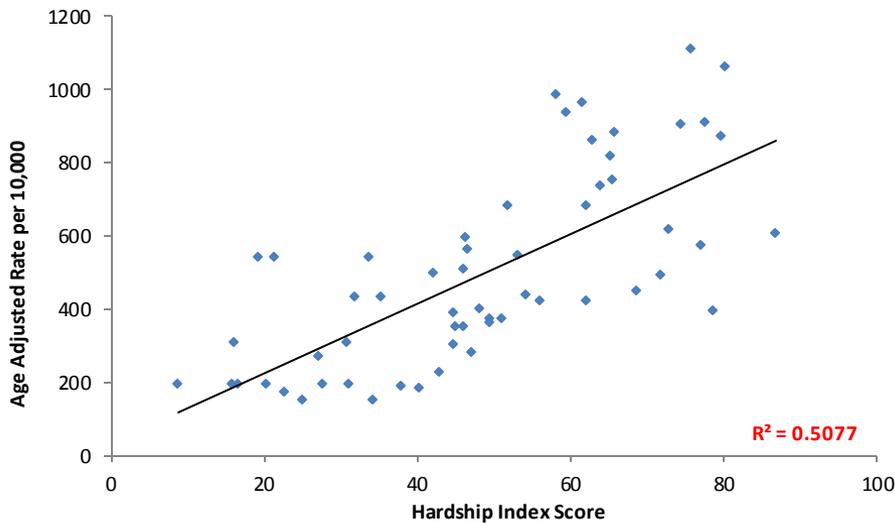
Preventable Hospitalizations



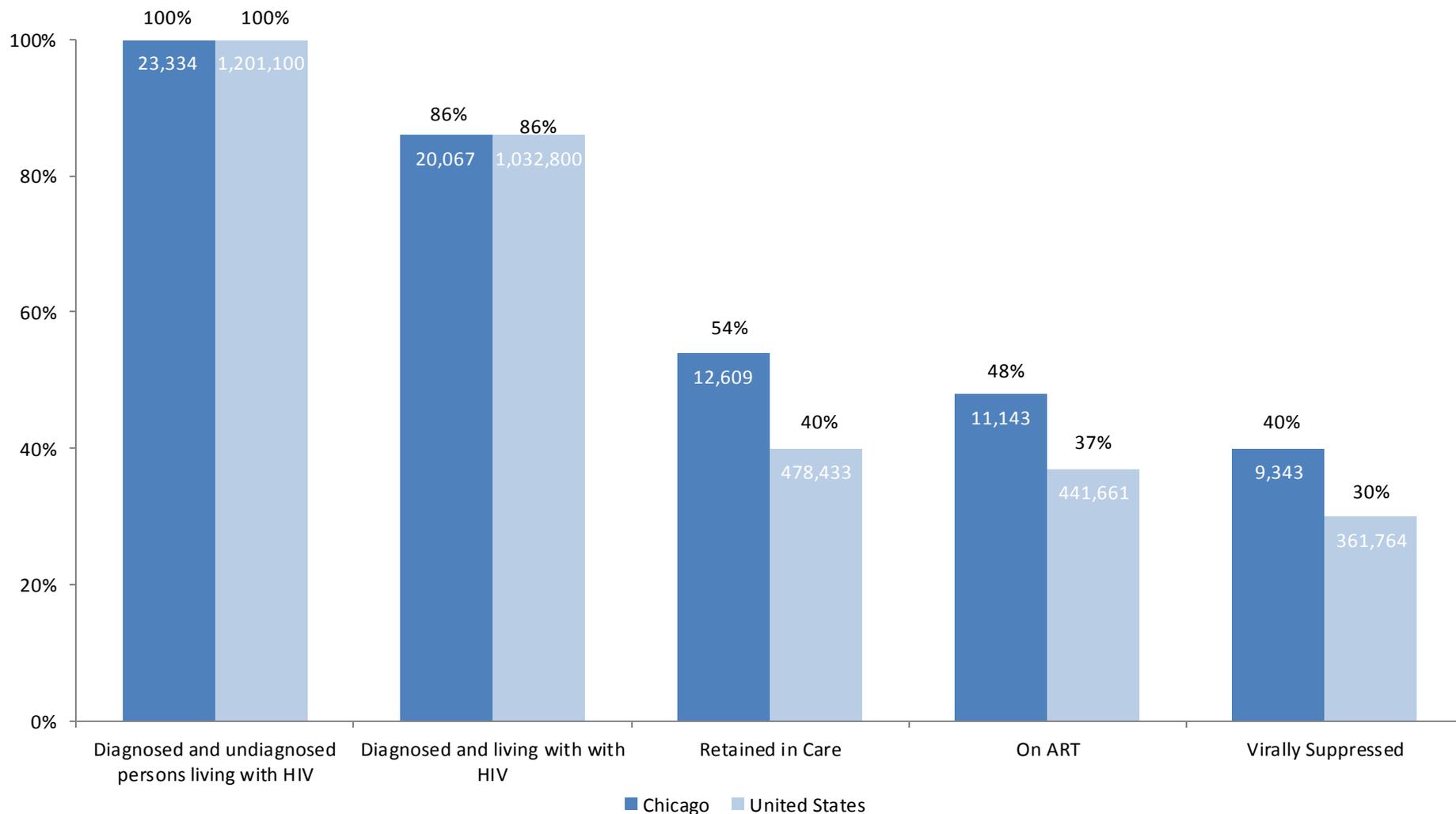
Avoidable Emergency Department Visits



- CHICAGO
- HISPANIC
- NON-HISPANIC ASIAN/PACIFIC ISLANDER
- NON-HISPANIC BLACK
- NON-HISPANIC WHITE



HIV Continuum of Care, 2011



^a CDC National Estimate of Persons Living with HIV (Diagnosed and Undiagnosed)

^b Number of persons ≥18 years of age on 12/31/2010 diagnosed with HIV infection through 12/31/2010, and living with HIV on 12/31/2011.

^c Total weighted population estimate of HIV-infected adults who had at least 1 documented HIV medical care visit in 2011.

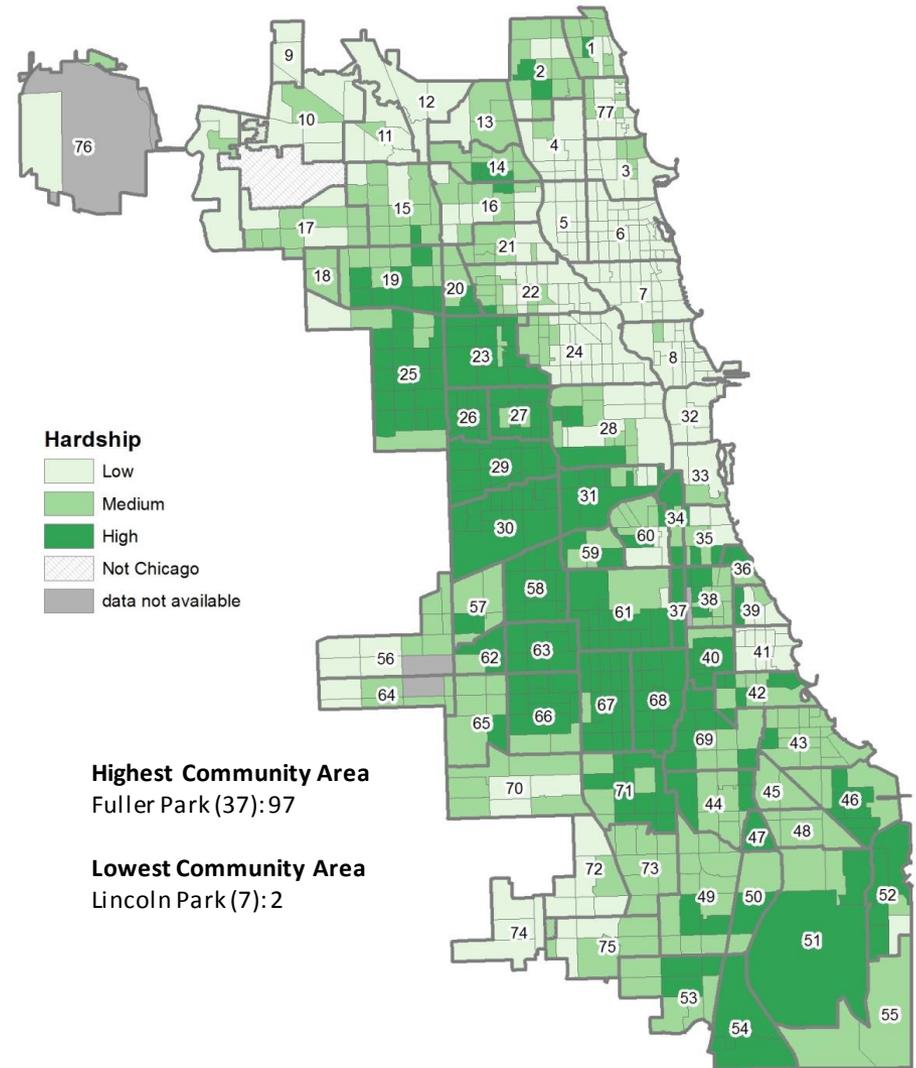
^d Total HIV-infected adults (# of Retained, % of Living) who had at least 1 documented HIV medical care visit in 2011 with a documented prescription for antiretroviral therapy (ART) in 2011.

^e Total HIV-infected adults (# of on ART, % of Living) who had at least 1 documented HIV medical care visit in 2011 and had a documented HIV viral load of undetectable or ≤ 200 copies/mL at most recent viral load test.

Economic Stability

Hardship Index

- **Dependency**
 - Percentage of the population under 18 or over 64 years of age
- **Crowded housing**
 - Percentage of occupied housing with more than one person per room
- **Poverty**
 - Percentage of persons living below the federal poverty level
- **Per capita income**
- **Unemployment**
 - Percentage of persons in the labor force over the age of 16 years that are unemployed
- **No high school graduation**
 - Percentage of person over the age of 25 years without a high school diploma



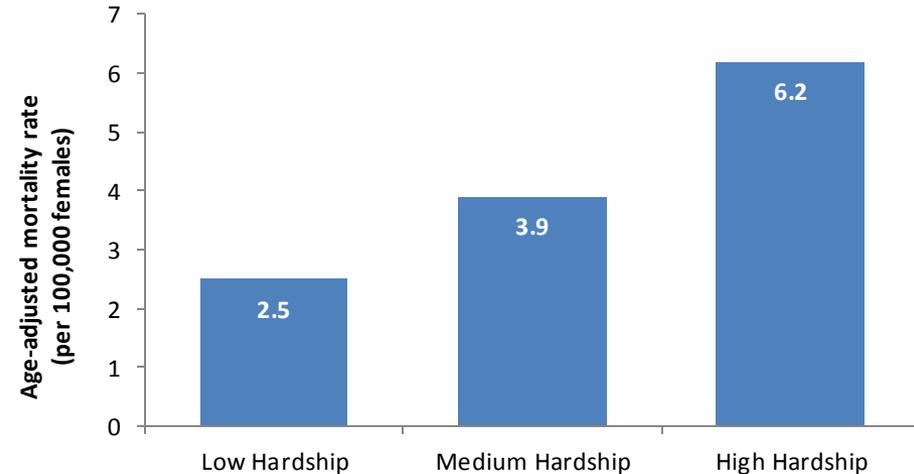
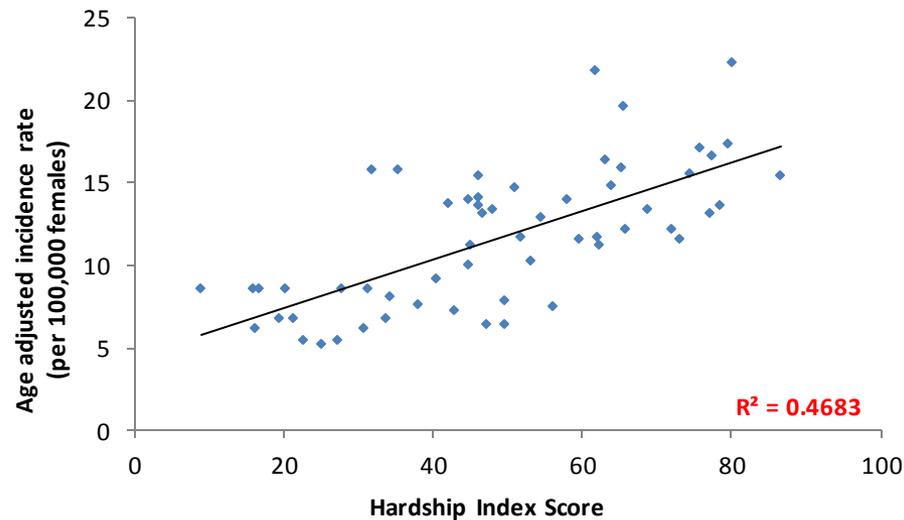
Population Characteristics by Hardship

	Low		Medium		High	
	Number	Percent	Number	Percent	Number	Percent
Total Population	907,911	33.4	949,202	34.9	864,172	31.8
Race-Ethnicity						
Hispanic or Latinos	136,867	17.5	284,258	36.3	362,353	46.2
Non-Hispanic African American or black	96,011	10.9	356,149	40.6	424,661	48.4
Non-Hispanic Asian or Pacific Islander	68,288	46.4	56,546	38.4	22,346	15.2
Non-Hispanic white	586,752	67.5	236,014	27.2	46,508	5.4
Age (years)						
Less than 5	49,400	26.4	64,271	34.3	73,707	39.3
5-14	66,993	20.1	122,775	36.8	144,067	43.2
15-24	123,492	30.2	139,063	34.0	146,886	35.9
25-34	238,561	46.0	148,740	28.7	131,390	25.3
35-44	137,611	36.1	131,113	34.4	112,911	29.6
45-54	109,376	31.9	127,489	37.2	105,720	30.9
55-64	89,121	33.5	101,510	38.2	75,360	28.3
65-74	50,133	32.8	61,003	39.9	41,821	27.3
74-85	29,772	32.7	37,151	40.8	24,182	26.5
85 and older	13,452	35.7	16,087	42.7	8,128	21.6
Gender						
Male	444,605	33.7	455,580	34.5	420,353	31.8
Female	463,306	33.1	493,622	35.2	443,819	31.7
Households						
Households with children less than 18 years	72,031	27.1	96,150	36.2	97,686	36.7
Households with female head of household and children less than 18 years	13,668	15.0	34,180	37.4	43,437	47.6
Seniors living alone (65 and older)	35,819	39.3	34,721	38.1	20,498	22.5

Economic Stability and Health Outcomes

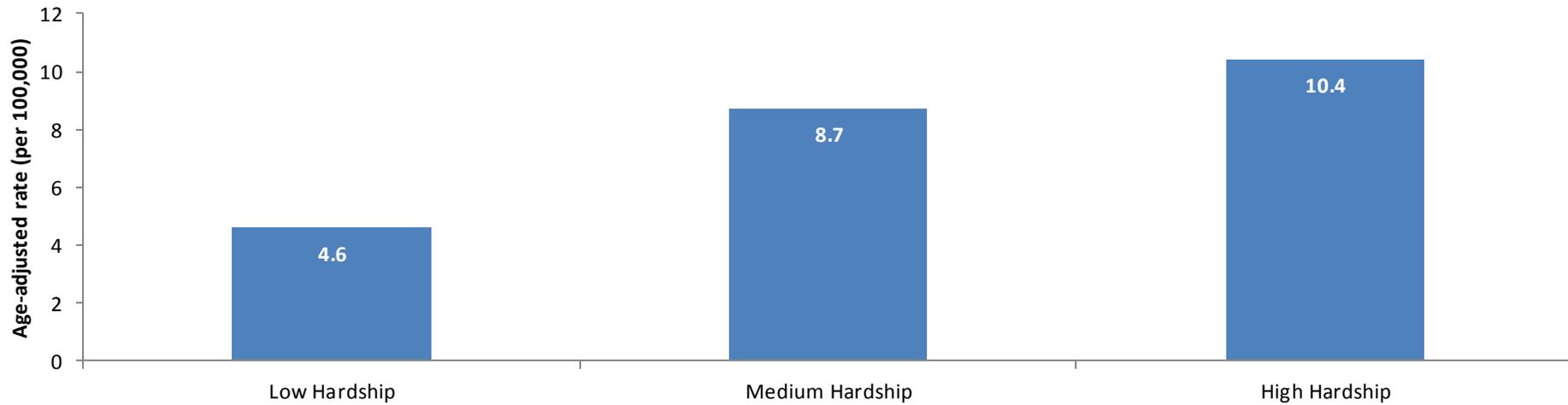
- **High Hardship strongly correlates to:**
 - Inadequate prenatal care
 - Teen births
 - Self-reported poor or poor health status
 - Smoking
 - Low fruit and vegetable consumption
 - No physical activity
 - Adult obesity
 - Poor mental health
 - Chlamydia incidence
 - Hospitalizations related to heart disease, diabetes and COPD
 - Cervical cancer incidence and mortality
 - Premature mortality
 - Homicides
 - Drug-induced mortality
 - Infant mortality
- **Low hardship correlates to:**
 - Breast cancer incidence
 - Suicide

Hardship and Cervical Cancer Incidence and Mortality

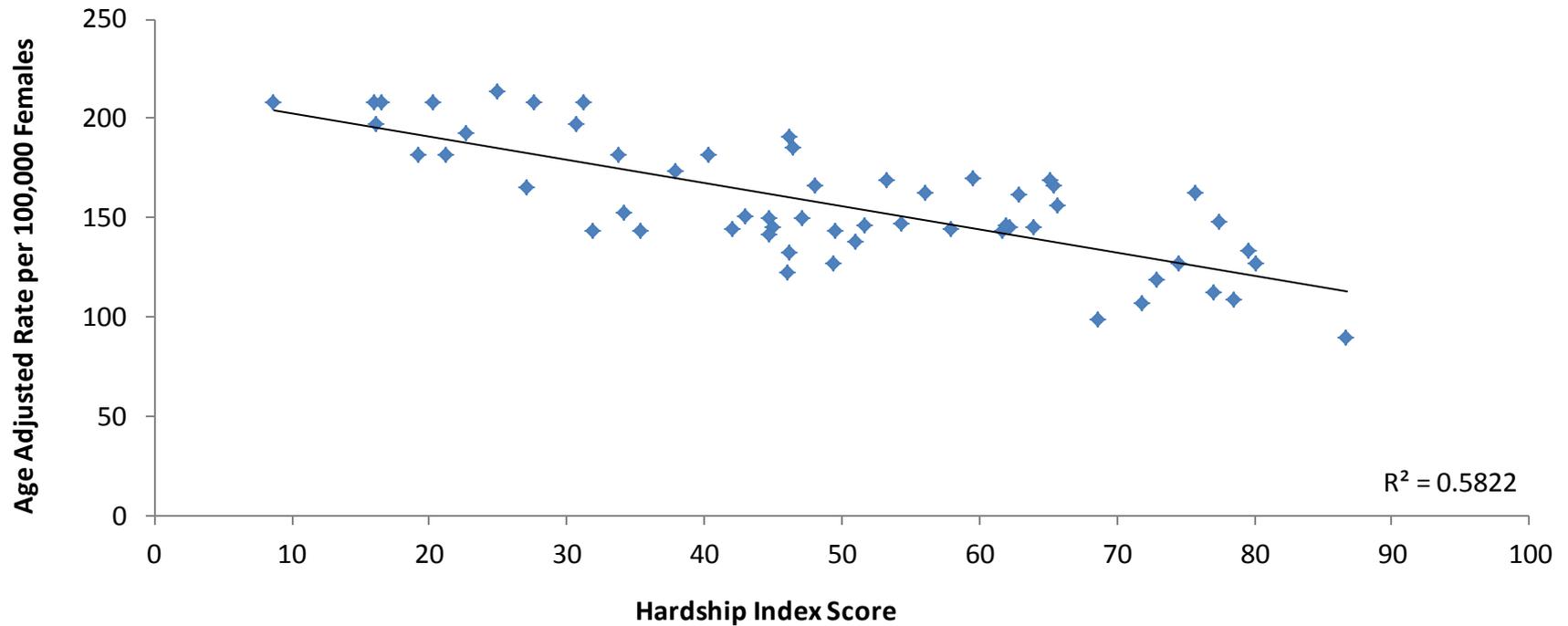


Cervical cancer incidence and mortality rates are higher in communities with higher hardship.

Drug-induced Mortality and Hardship

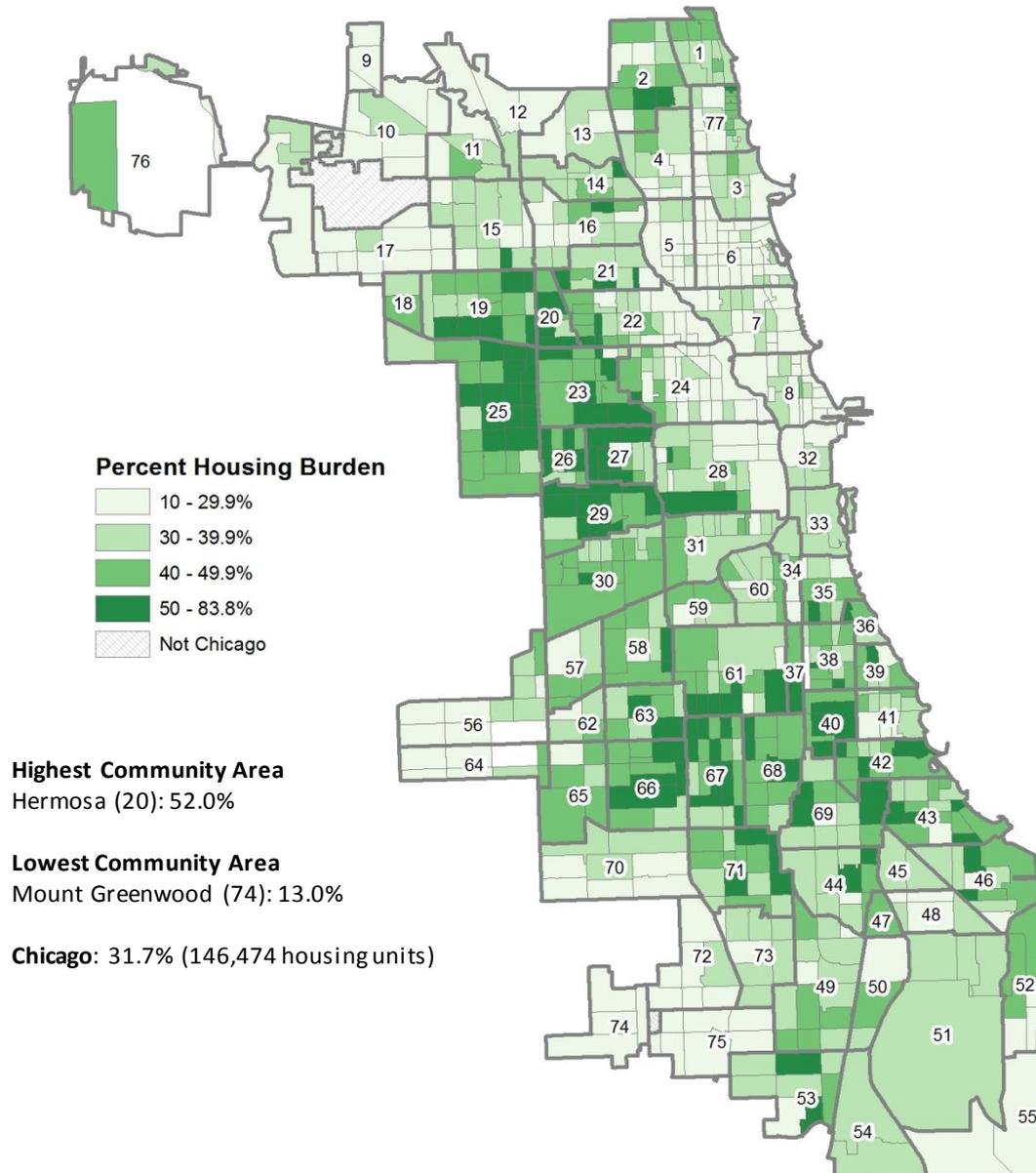


Female Breast Cancer Incidence and Hardship



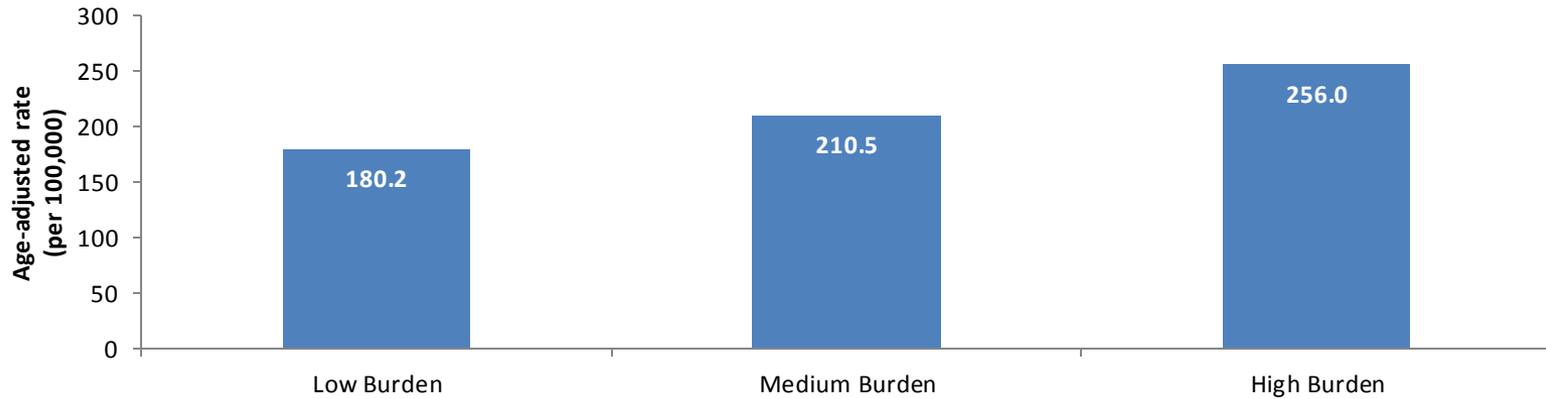
Female breast cancer incidence is higher in communities with lower hardship.

Severe Housing Cost Burden

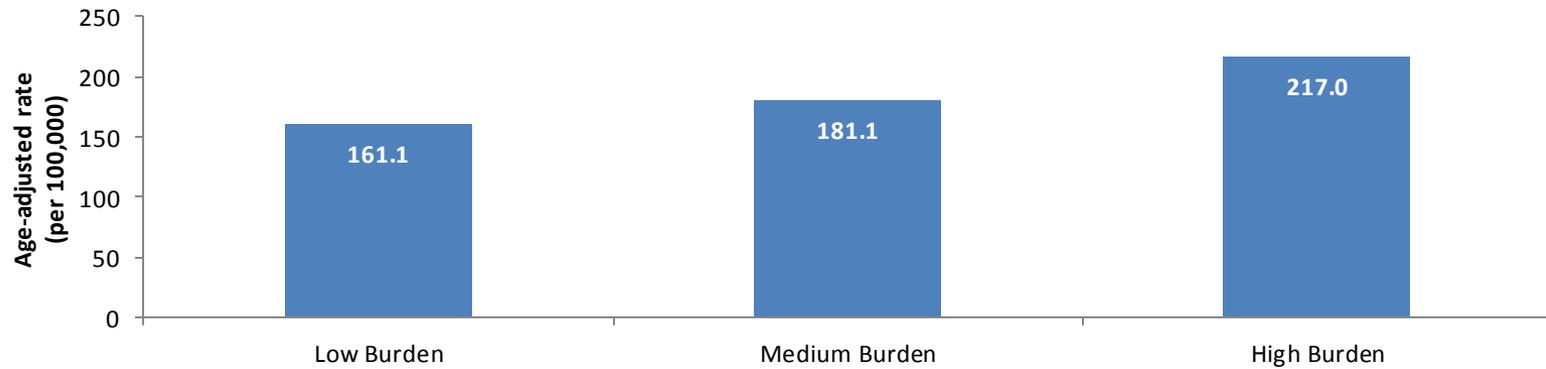


Severe Housing Cost Burden and Chronic Disease Mortality

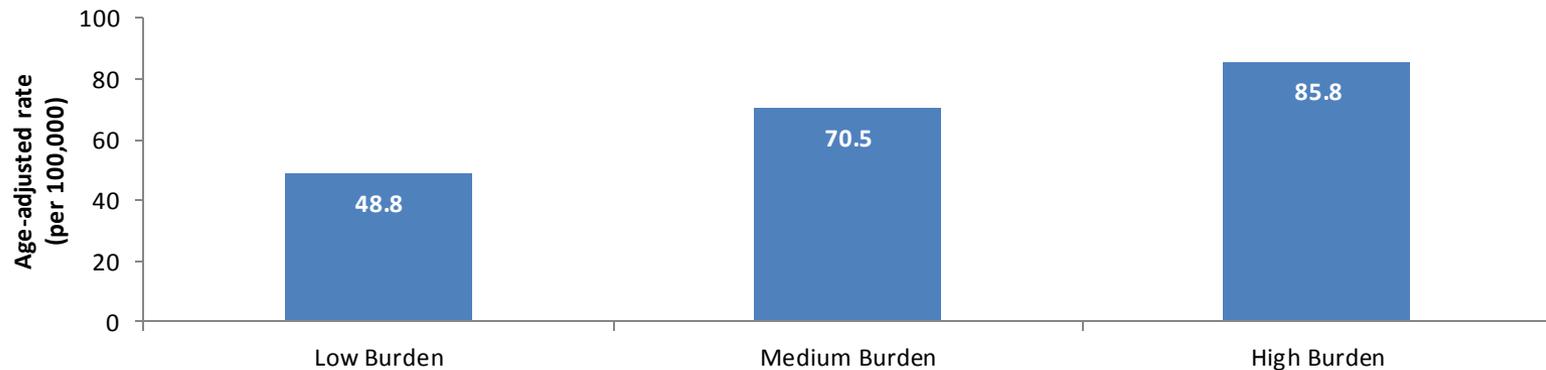
Heart Disease



Cancer



Diabetes



Neighborhood and Built Environment

Child Opportunity Index

Educational

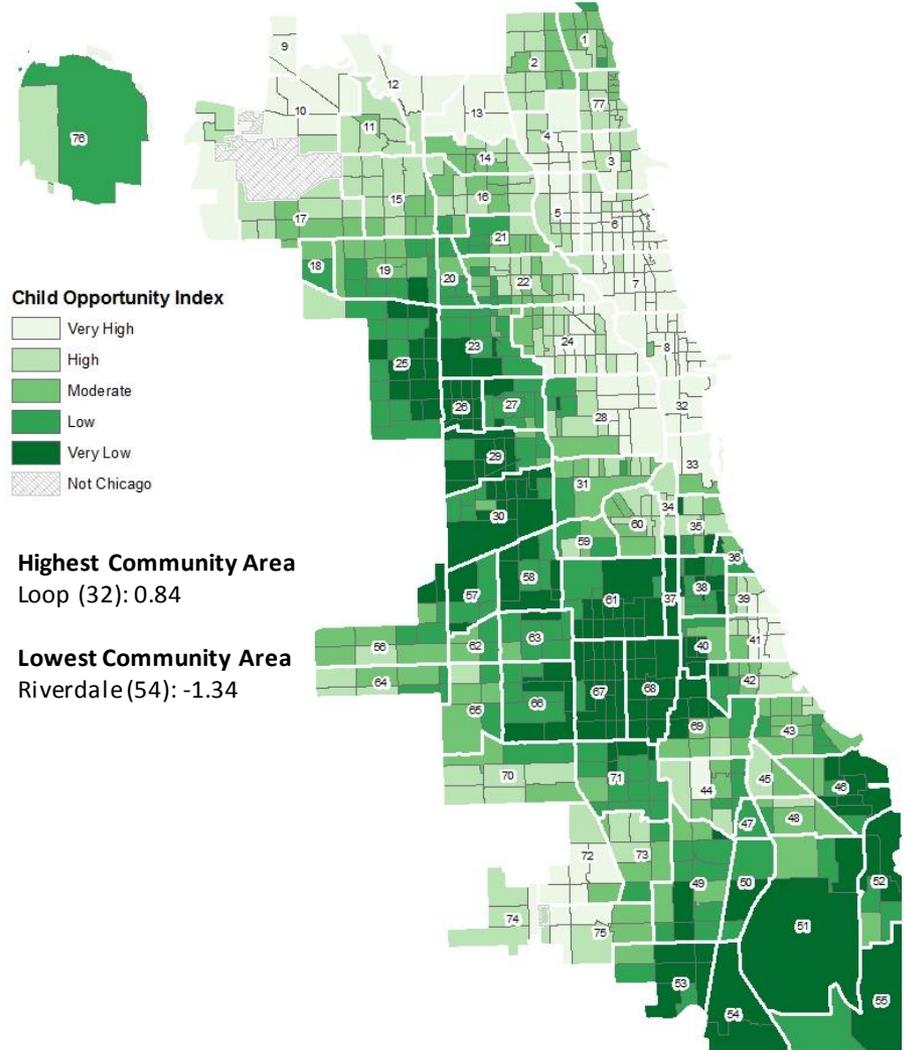
- Adult educational attainment
- Student (school) poverty rate
- Reading proficiency rate
- Math proficiency rate
- Early childhood education neighborhood participation patterns
- High school graduation rate
- Proximity to high-quality early childhood education centers
- Proximity to early childhood education centers of any type

Health and Environmental

- Retail healthy food index
- Proximity to toxic waste release sites
- Volume of nearby toxic release
- Proximity to parks and open spaces
- Housing vacancy rates
- Proximity to health care facilities

Economic

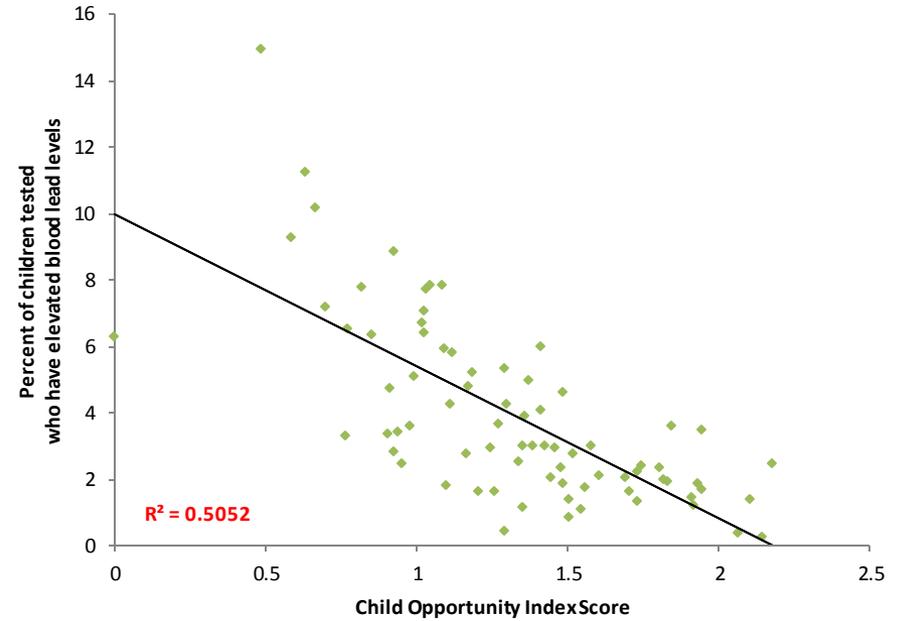
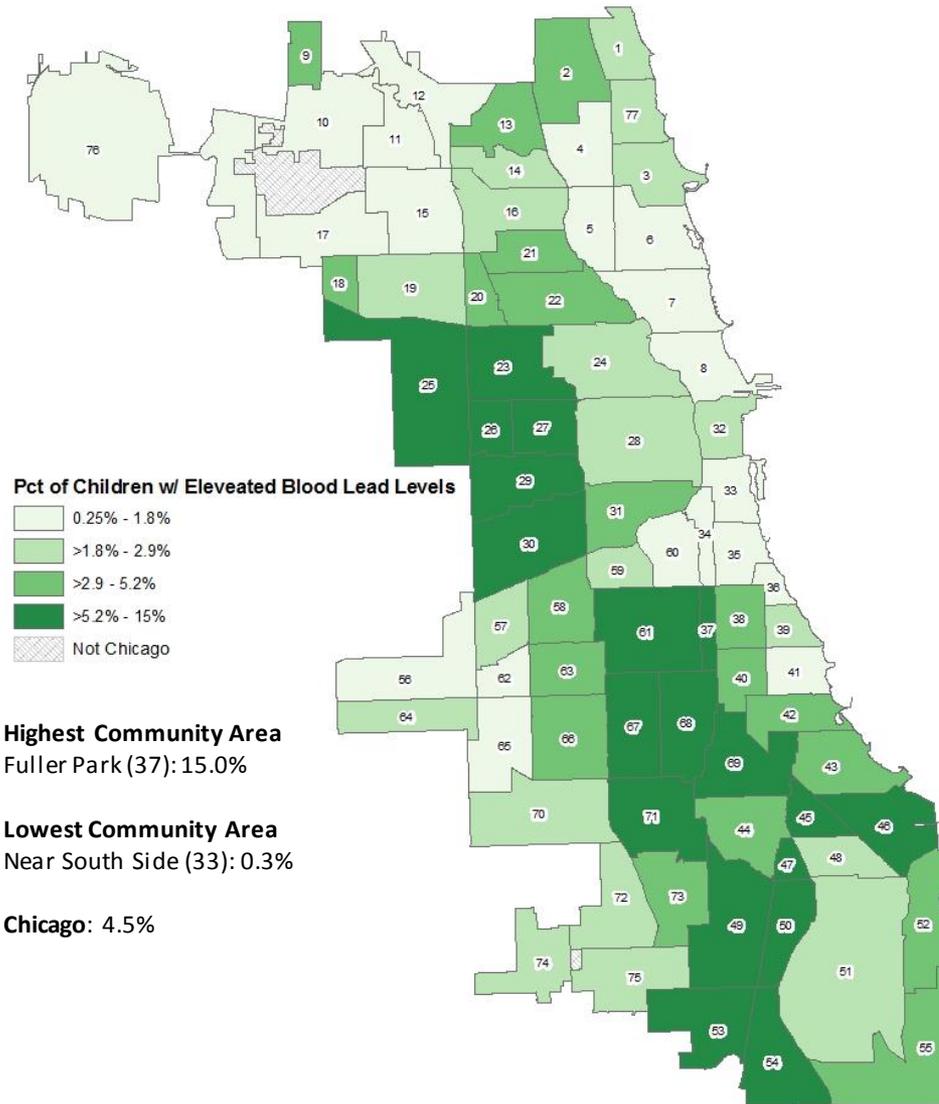
- Neighborhood foreclosure rate
- Poverty rate
- Unemployment rate
- Public assistance rate
- Proximity to employment



Child Opportunity and Health Outcomes

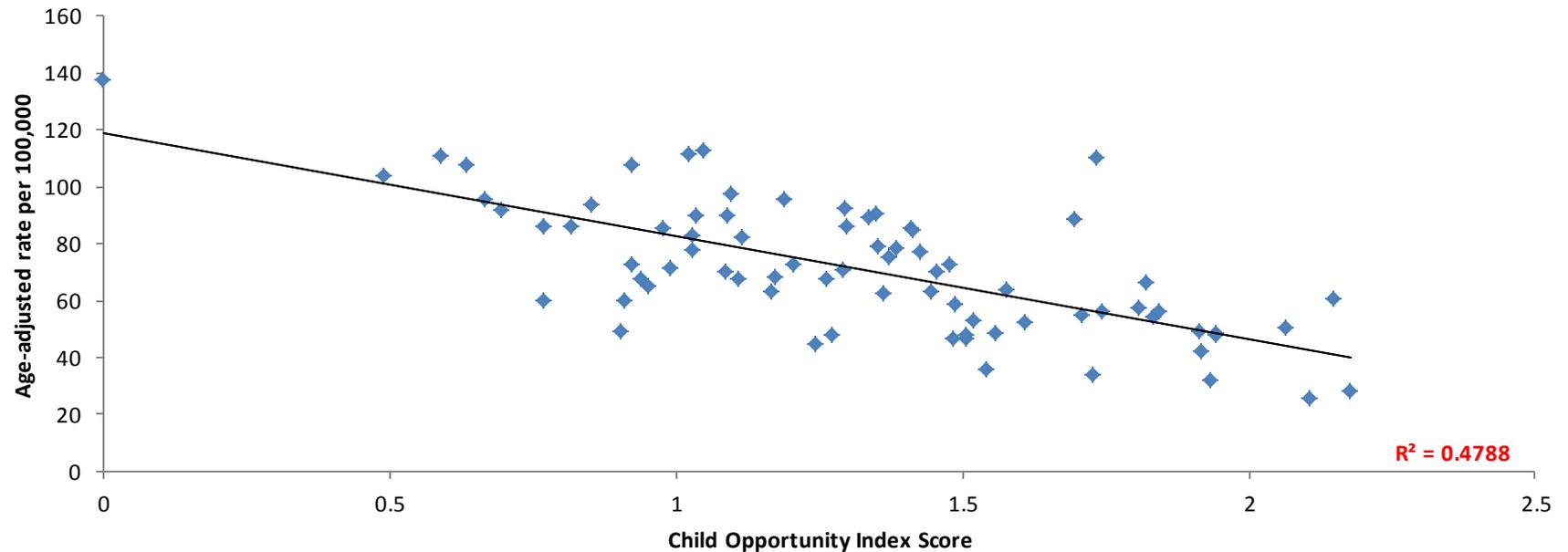
- **Less child opportunity in a neighborhood is strongly correlated with:**
 - Shootings
 - Elevated blood lead levels
 - Obesity in children
 - Life expectancy at birth
 - Diabetes-related mortality
 - Diet-related mortality
 - Teen births

Elevated Blood Lead Level and Child Opportunity



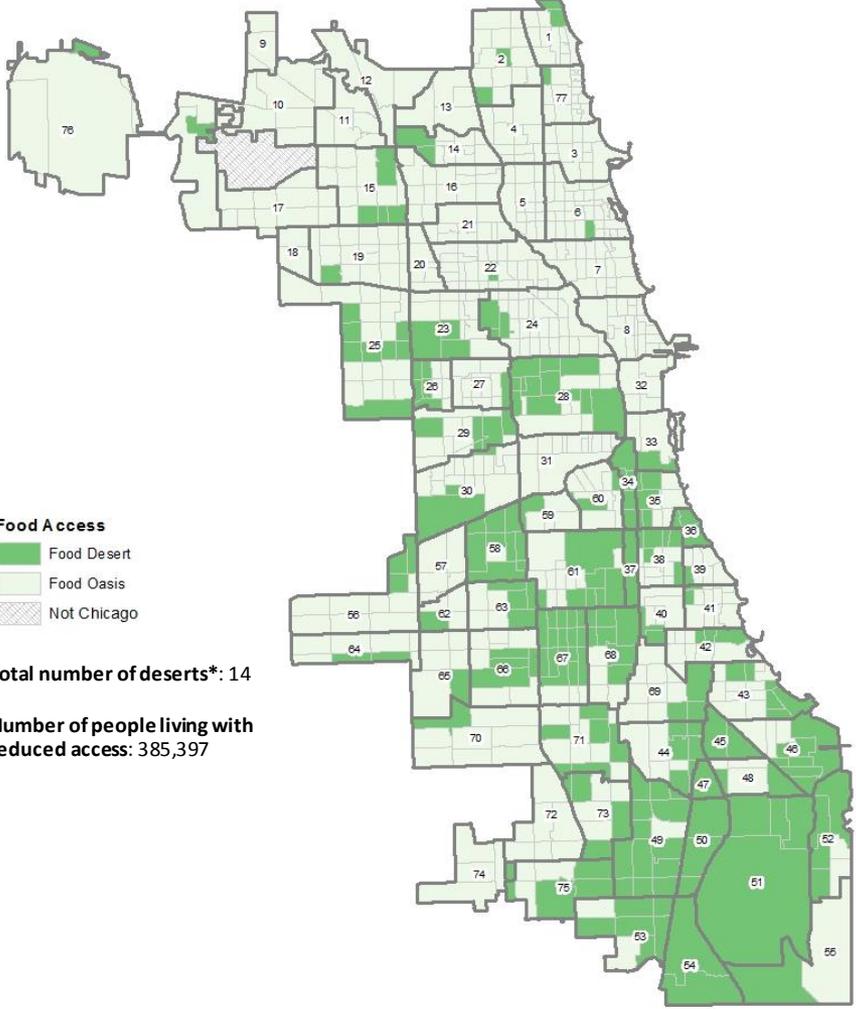
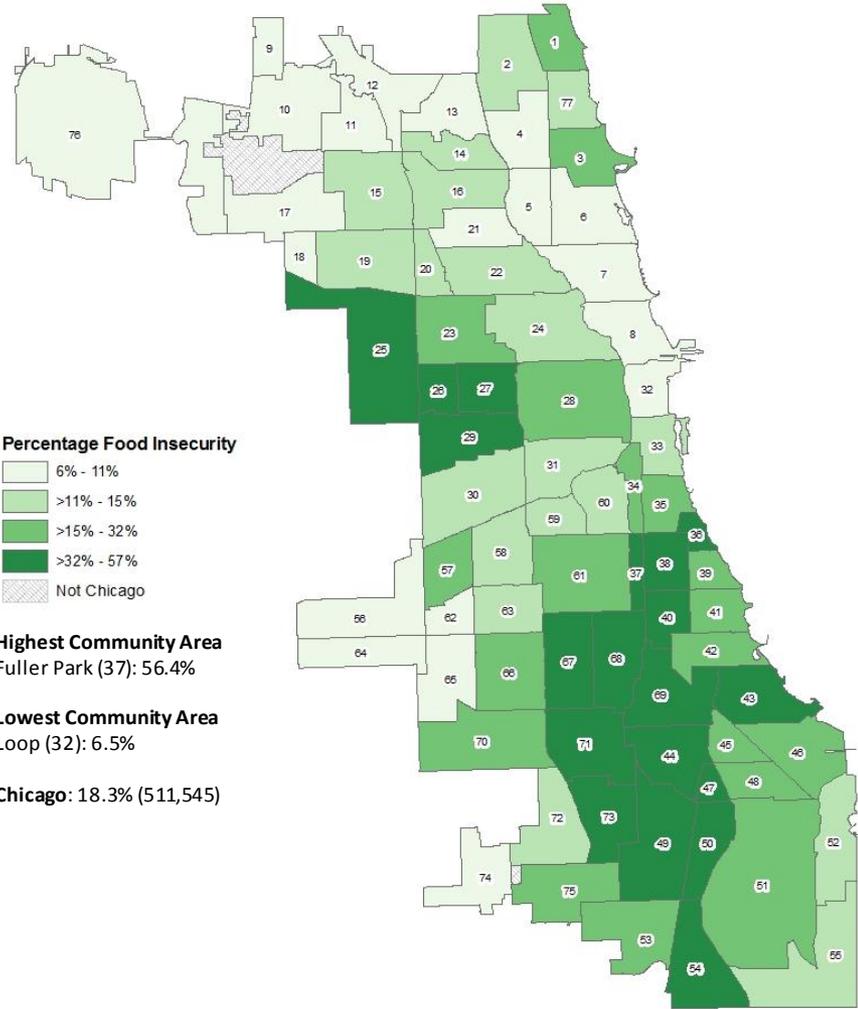
Communities with less opportunity have higher percentages of children with elevated blood lead levels.

Diabetes Mortality and Child Opportunity



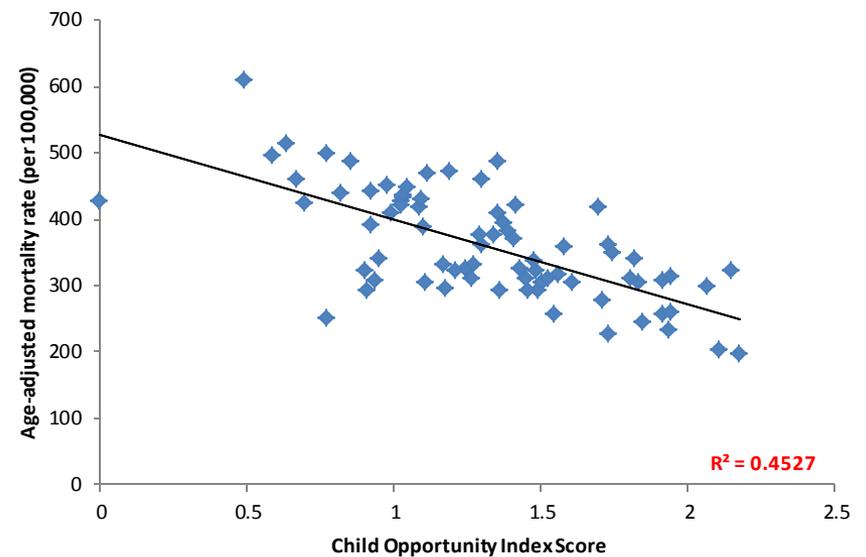
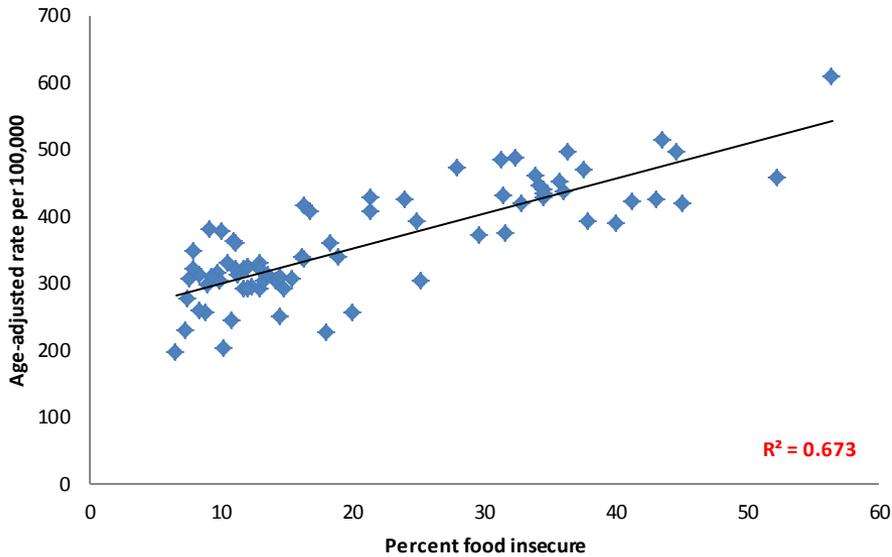
Diabetes-related mortality rates are higher in communities with less opportunity.

Food Insecurity and Access



*Defined as two or more contiguous census tracts

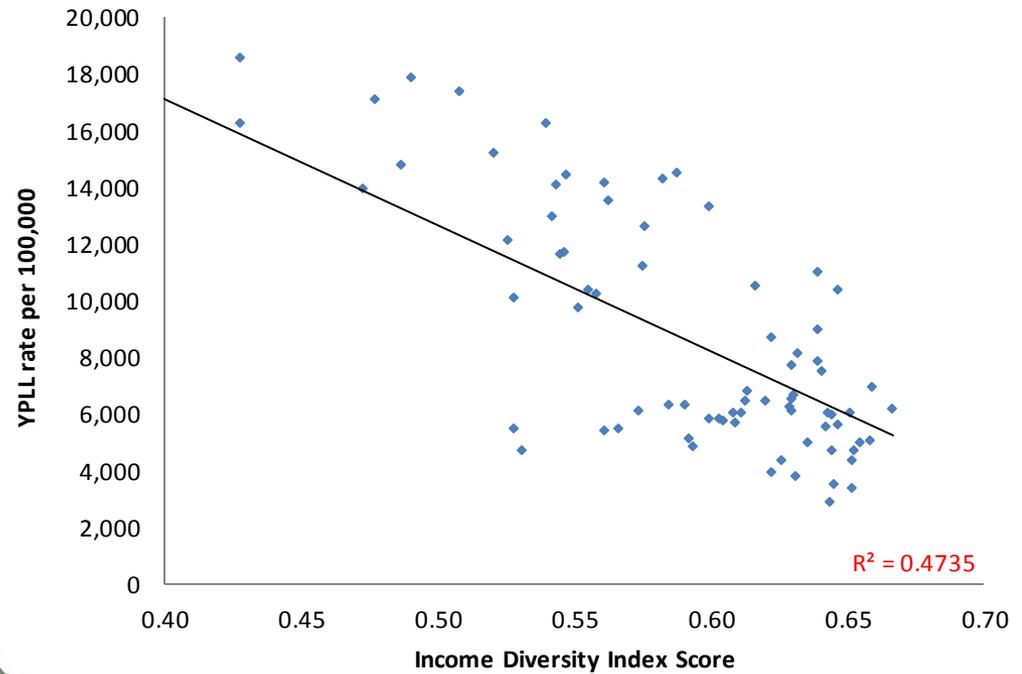
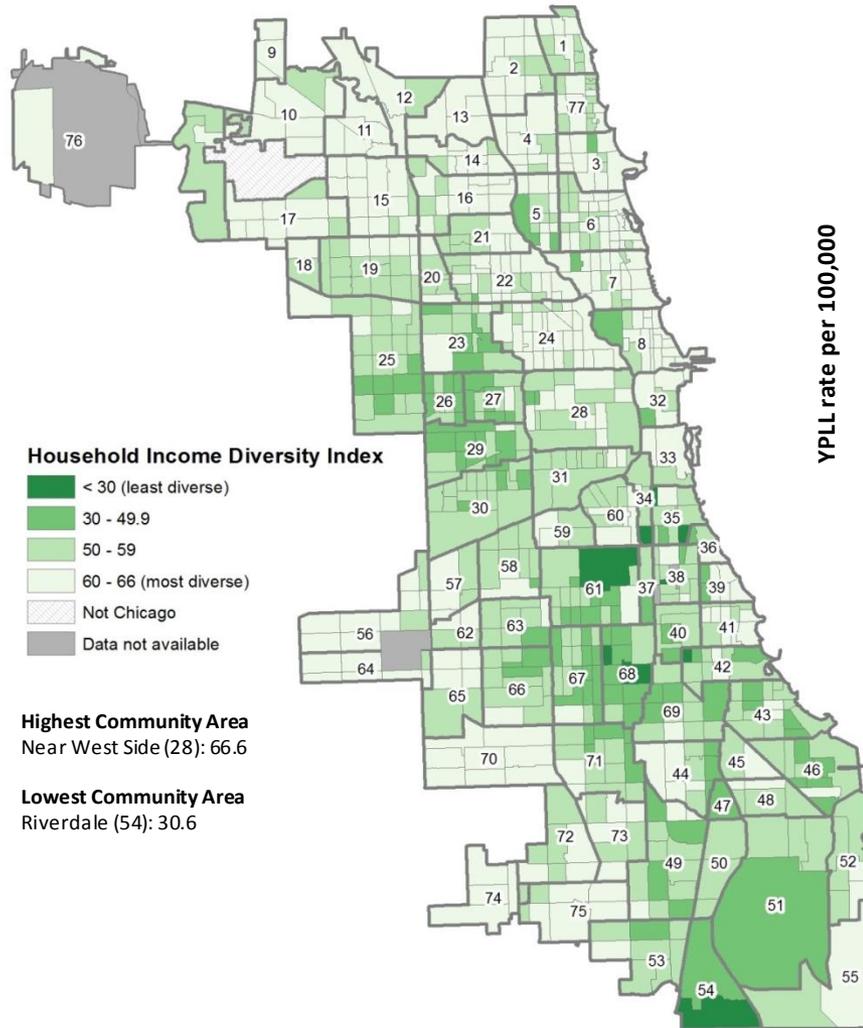
Diet-related Mortality, Food Insecurity and Child Opportunity



Diet-related mortality rates are higher in communities with more food insecurity and less opportunity.

Diversity and Equity

Household Income Diversity and Premature Mortality



Communities with more income diversity have less premature mortality.

All data analysis and interpretation done by the
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