Pediatric Grand Rounds

Cambridge Health Alliance
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Cambridge Community Development Department
Clifford Cook
Planning Information Manager
email: ccook@cambridgema.gov
web site: http://www.cambridgema.gov/cdd
617/349-4656

About the U. S. Decennial Census

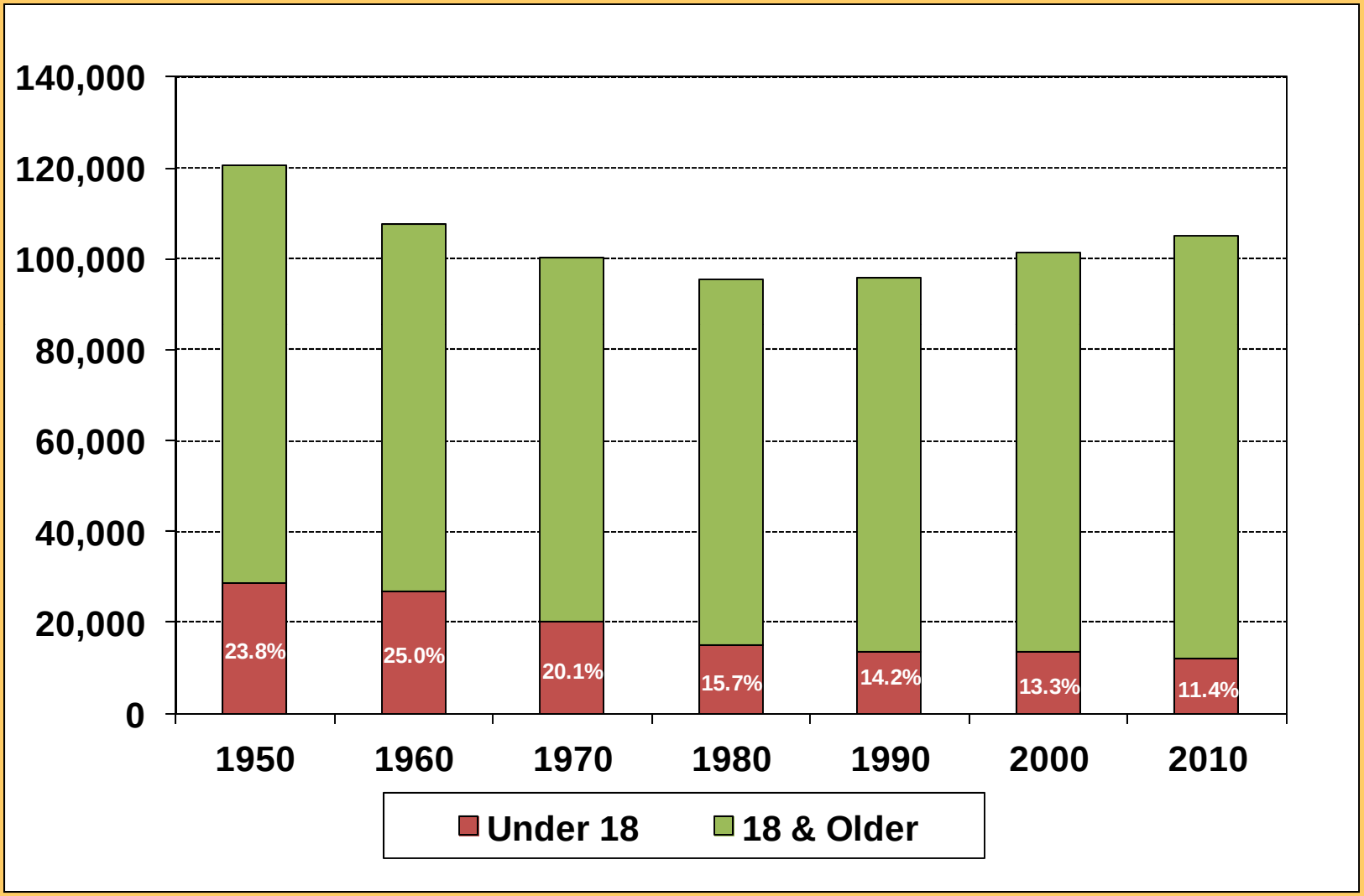
- Required by the US constitution
- Held every 10 years
- Now includes only basic demographic questions such as sex, age, race, Hispanic origin, family relationship and tenure
- Formerly included both a short form census and long form survey
- Products include Redistricting File, Profiles, Summary Files
- All data is available on the web at the Census Bureau's American Factfinder site:

  http://factfinder2.census.gov

About the American Community Survey

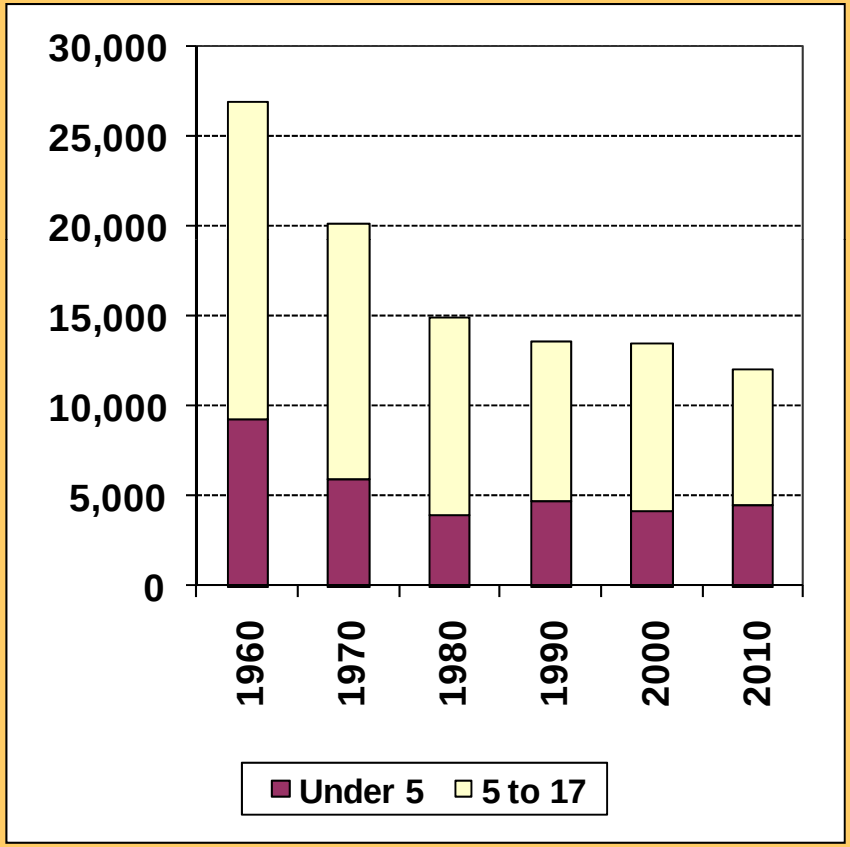
- The American Community Survey (ACS) replaced the decennial census long form questionnaire, used to collect socioeconomic data about persons and households.
- The ACS surveys 1 in 40 households each year, but actual return rate works out to 1 in 15 households over 5 years. In contrast, the decennial census long form surveyed 1 in 6 households.
- ACS data is released in 1, 3 and 5 year increments. Starting in 2010 the Bureau is using ACS to make detailed socioeconomic information available down to the blockgroup level on an annual basis
- Places with more than 65,000 residents – including Cambridge - have new ACS data released every year, as well as three and five year estimates.
- Places with 20,000 or more residents have estimates released every 3 and 5 years.
- Smaller places, including all census tracts and blockgroups, have estimates released every 5 years

Population Trend: 1950 - 2010

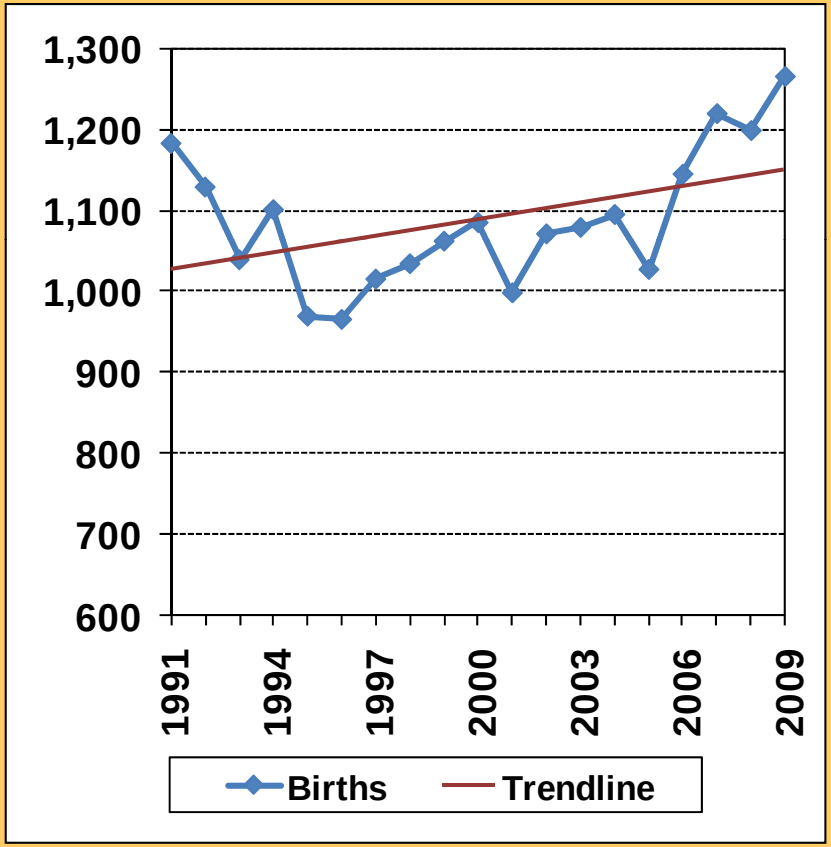


Source: SF1 Data File, Decennial Census, U. S. Census Bureau.

Youths: 1960 – 2010
Births: 1991 - 2009

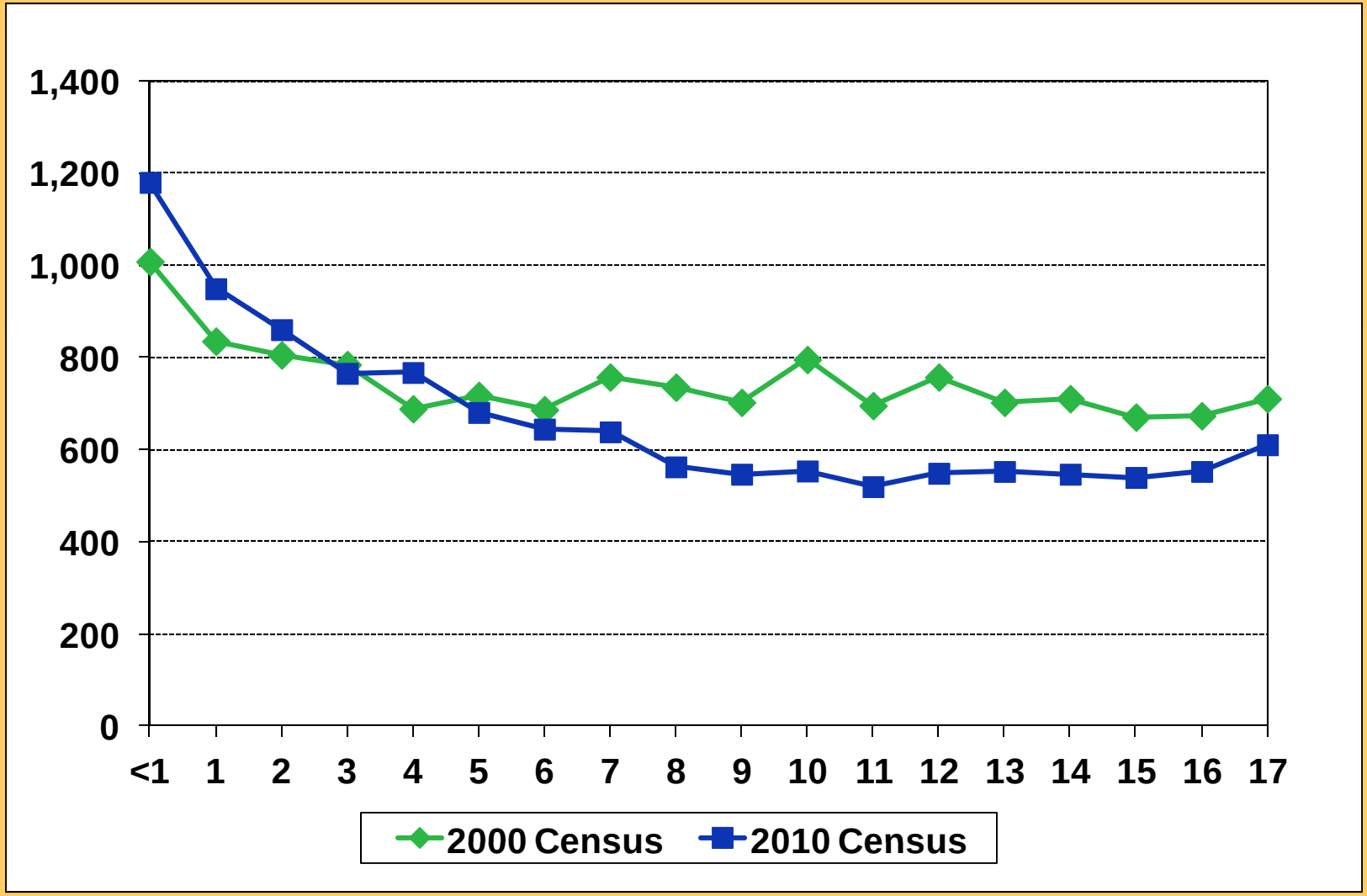


Source: SF1 Data File, Decennial Census, U. S. Census Bureau.



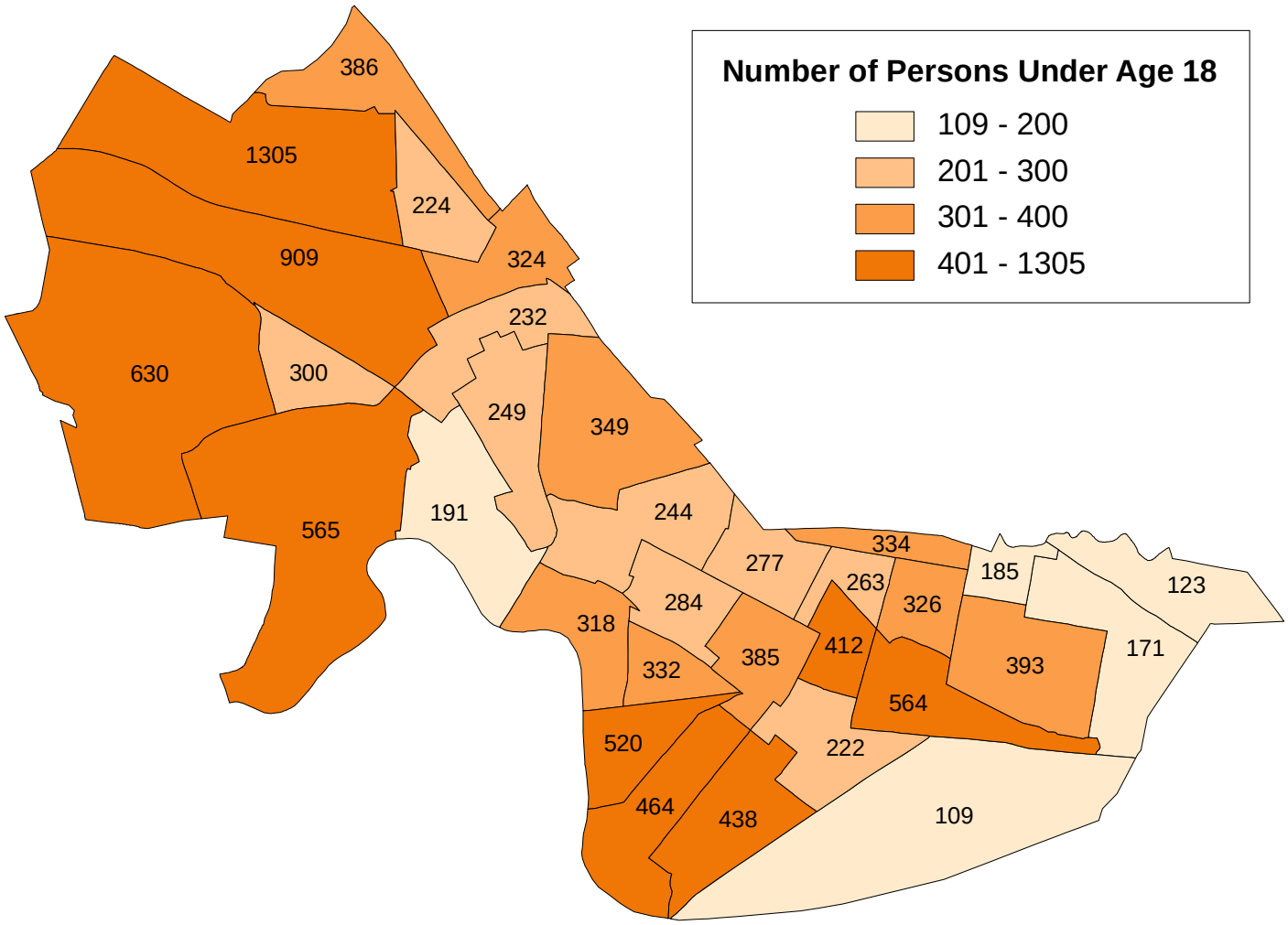
Source: MA DPH Births, 1991 - 2009

Age by Year 2000 and 2010



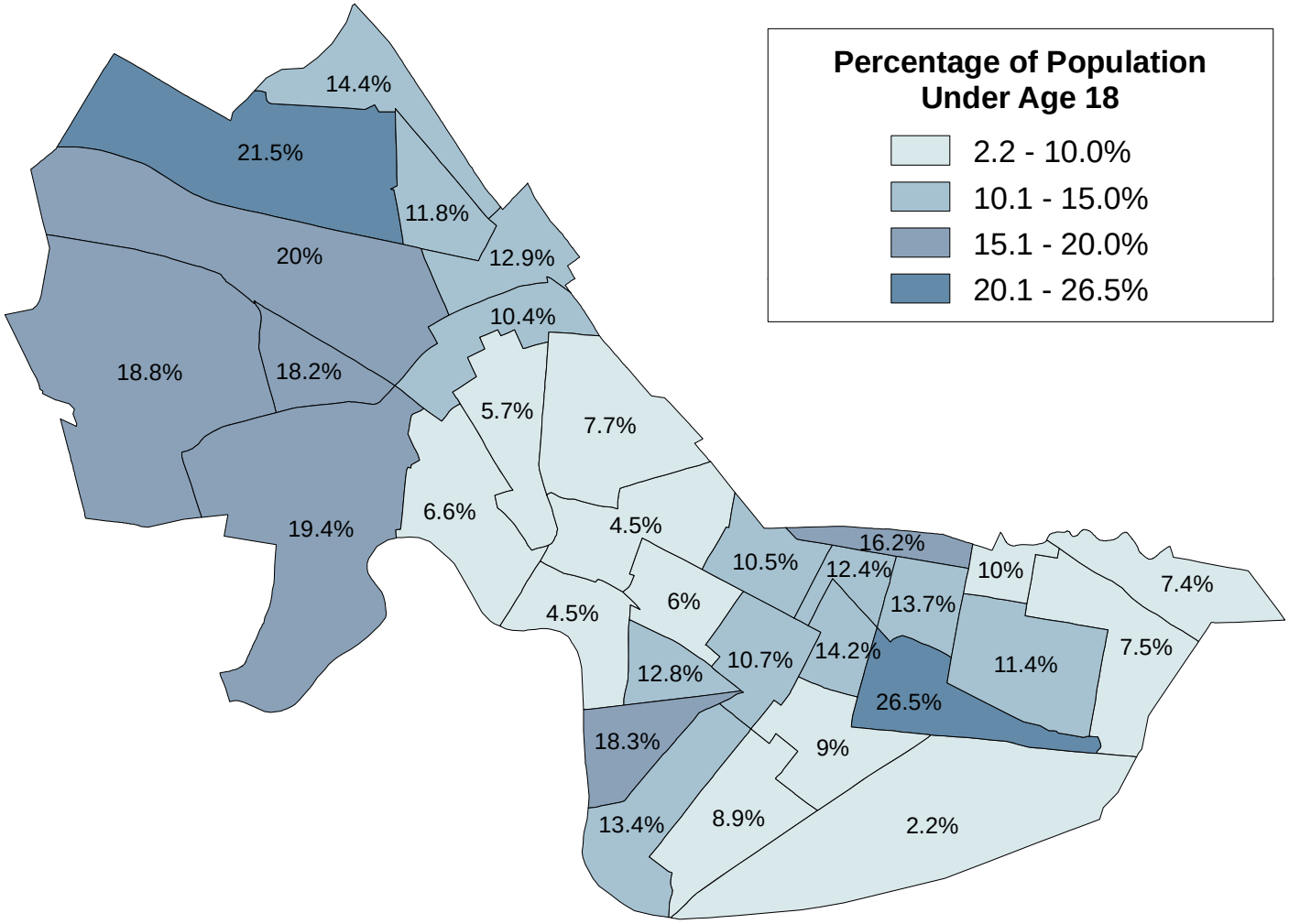
Source: SF1 Data File, Decennial Census, U. S. Census Bureau.

Youths: 2010



Source: 2010 U.S. Census PL94-171 data file

Percent Youths by Census Tract: 2010



Source: 2010 U.S. Census Summary File 1

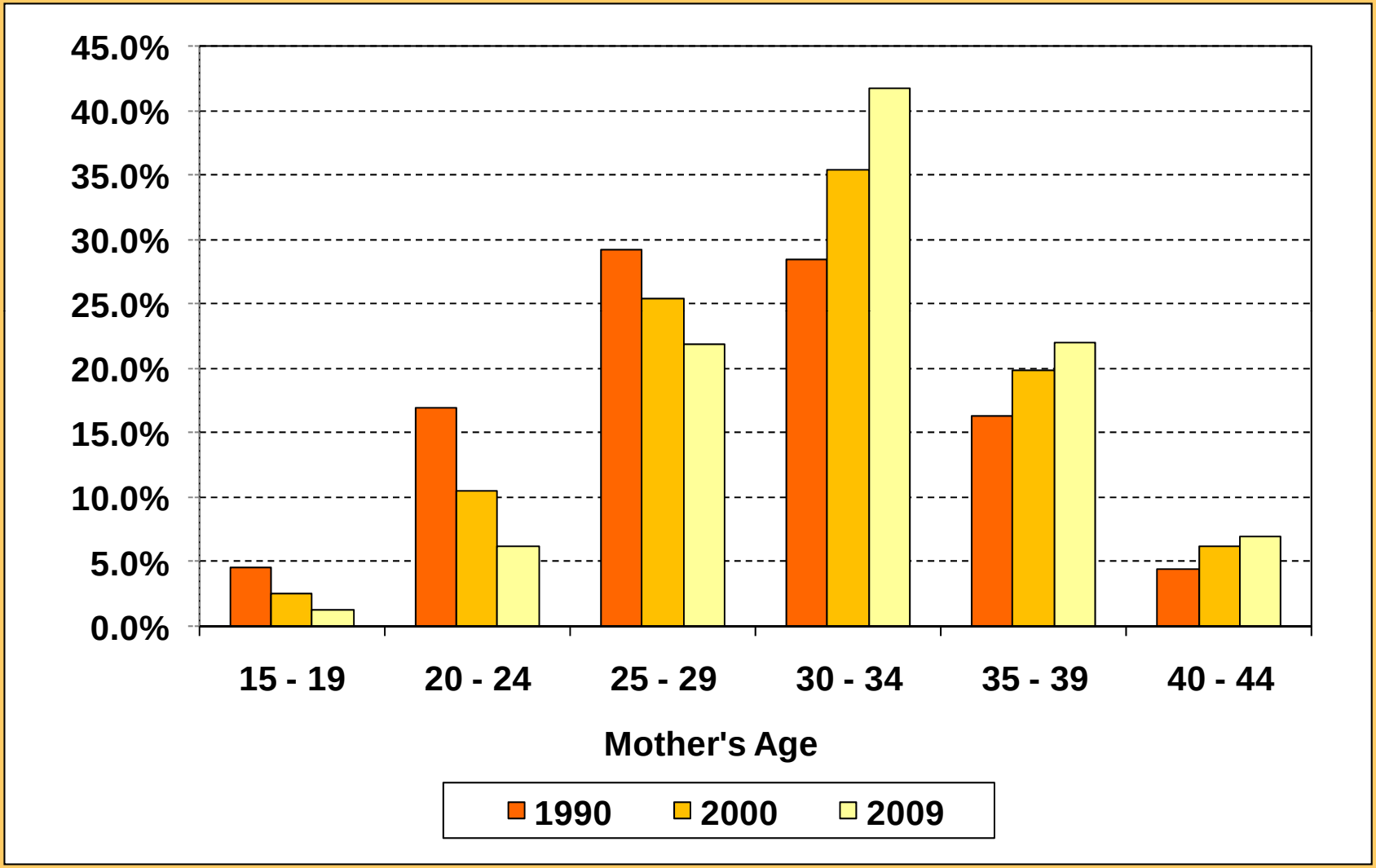
2010 Youths under 18 in Cambridge & Other Massachusetts Towns

including Statewide Rank for Percentage of Youths

Provincetown	1	6.8%	Arlington	128	20.8%
Amherst	2	10.0%	Worcester	176	22.1%
Cambridge	**4**	**11.4%**	Belmont	256	24.6%
Somerville	6	12.1%	Sudbury and Hopkinton	350/ 351	32.0%
Watertown	22	15.5%	Boston Metro	--	21.6%
Boston	34	16.8%	Massachusetts	--	21.7%
Brookline	48	17.7%	United States	--	24.0%

Source: SF1 Data File, Decennial Census, U. S. Census Bureau.

Births by Mother's Age: 1990 - 2009



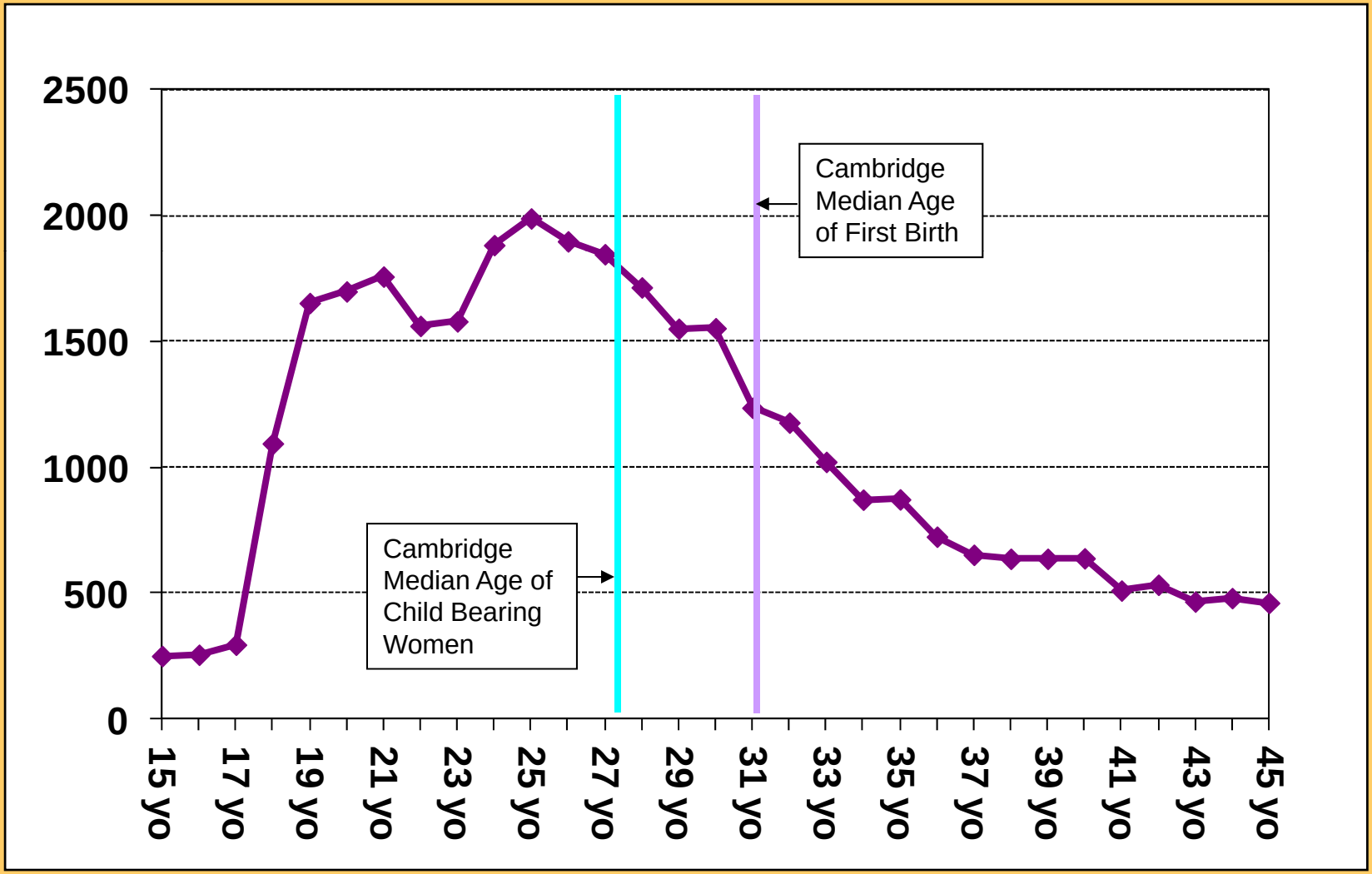
Source: MA DPH, MassCHIP, 2011

Birth Statistics: 1990 -2009

	1990	2000	2009
ALL BIRTHS	1,203	1,085	1,266
Crude Birth Rate	12.6	10.7	12.5
Cambridge Median Age of First Birth	--	--	31.0
Cambridge Median Age of All Births	--	--	32.0
Birth Mother 30 or Older	49%	62%	71%
TEEN BIRTHS			
Maternal Age 15 to 19	54	27	16
Maternal Age 15 to 17	14	10	6 or less
Teen Birth Rate	14.9	7.2	3.8
Rank among 30 Largest Communities	25	26	28

Source: MA DPH, MassCHIP, 2011

2010 Cambridge Age Distribution of Women of Childbearing Age



Source: MA DPH, MassCHIP, 2011

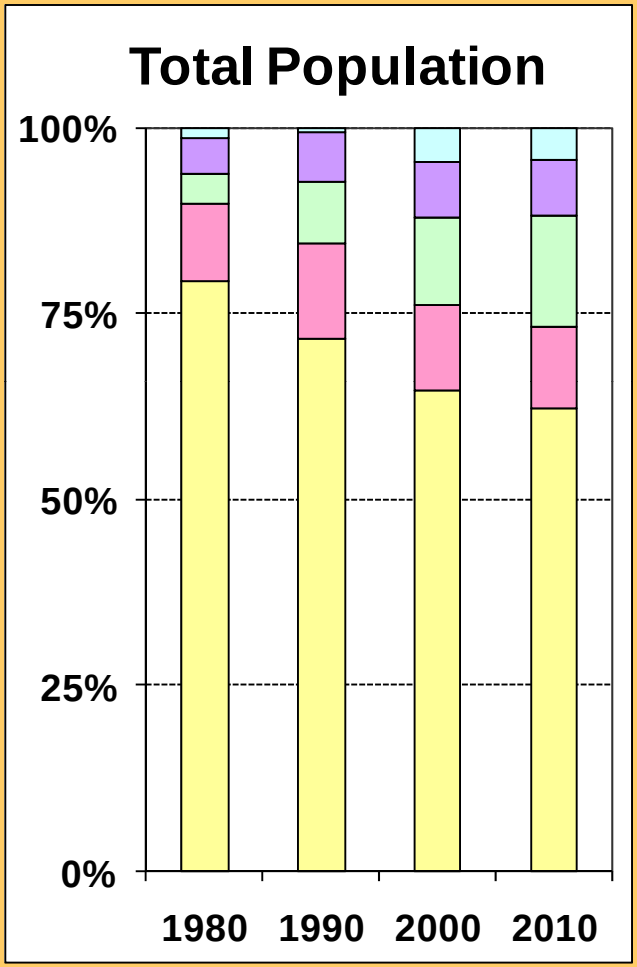
Birth Race & Ethnicity: 1990 -2009

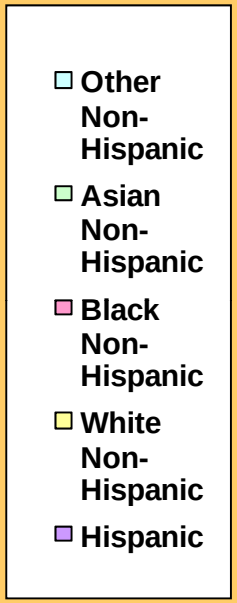
	1990	2000	2009
Total Births	1,203	1,085	1,266
White, Non-Hispanic	58.6%	59.5%	54.7%
Black, Non-Hispanic	20.8%	13.7%	14.6%
Asian, Non-Hispanic	8.6%	14.1%	21.6%
Other, Non-Hispanic	2.4%	3.3%	2.1%
Hispanic	9.6%	9.3%	7.0%

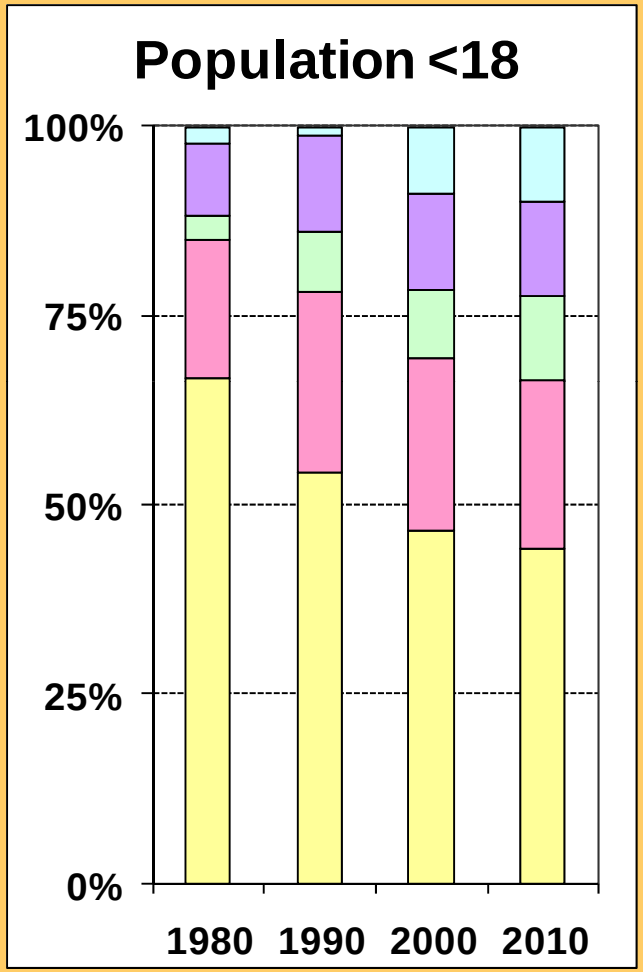
Among the ethnicities recorded for newborns during 2009 were 85 Chinese, 69 African, 60 Haitian, 56 Korean, 51 Asian Indian, 45 Middle Eastern, and 39 African American. One third self classify as “American”.

Source: MA DPH, MassCHIP, 2011

Race & Hispanic Origin: 1980 -2010

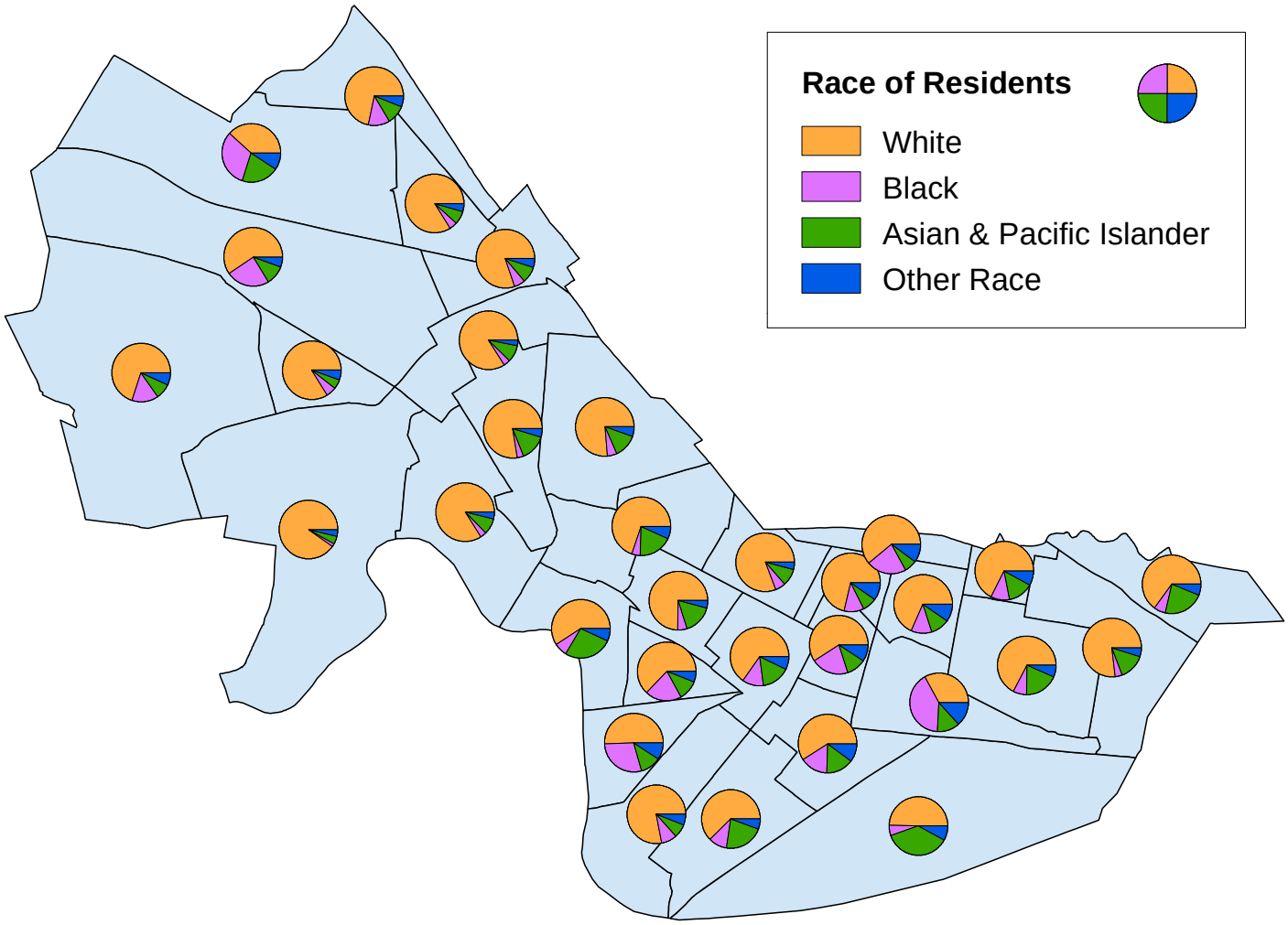






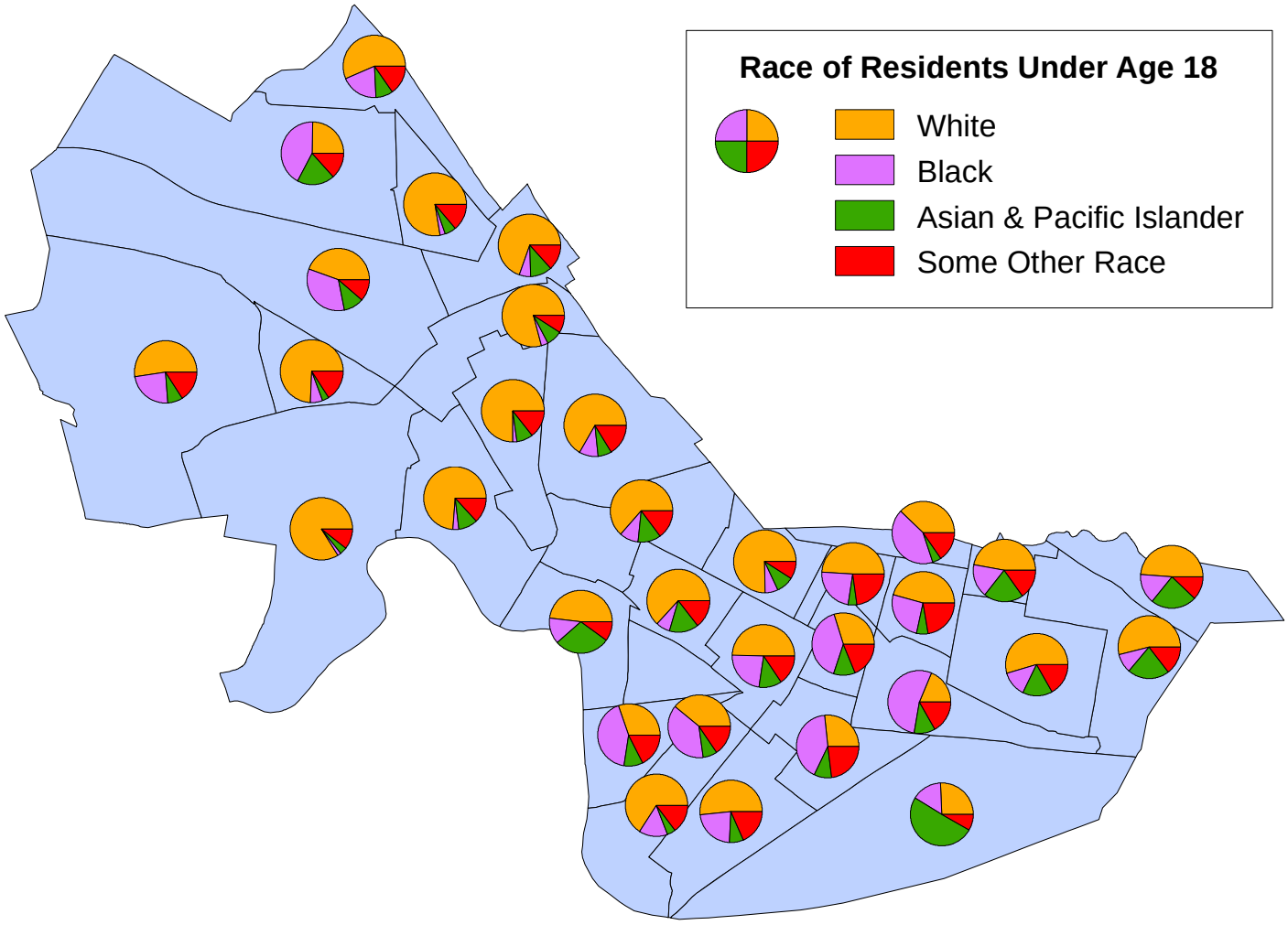
Source: SF1 Data File, Decennial Census, U. S. Census Bureau.

Racial Diversity: 2010



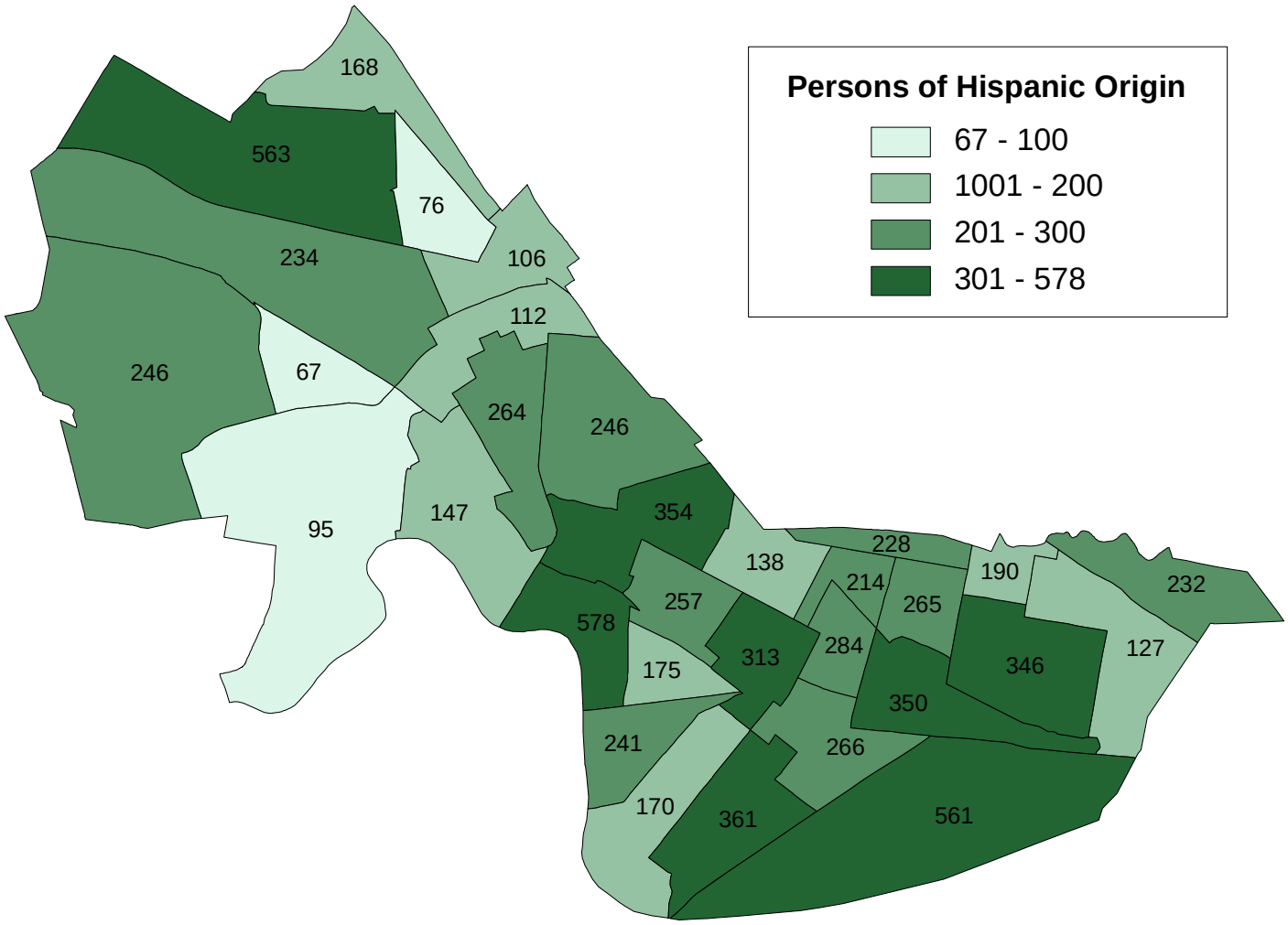
Source: 2010 U.S. Census PL94-171 data file

Youth Racial Diversity: 2010



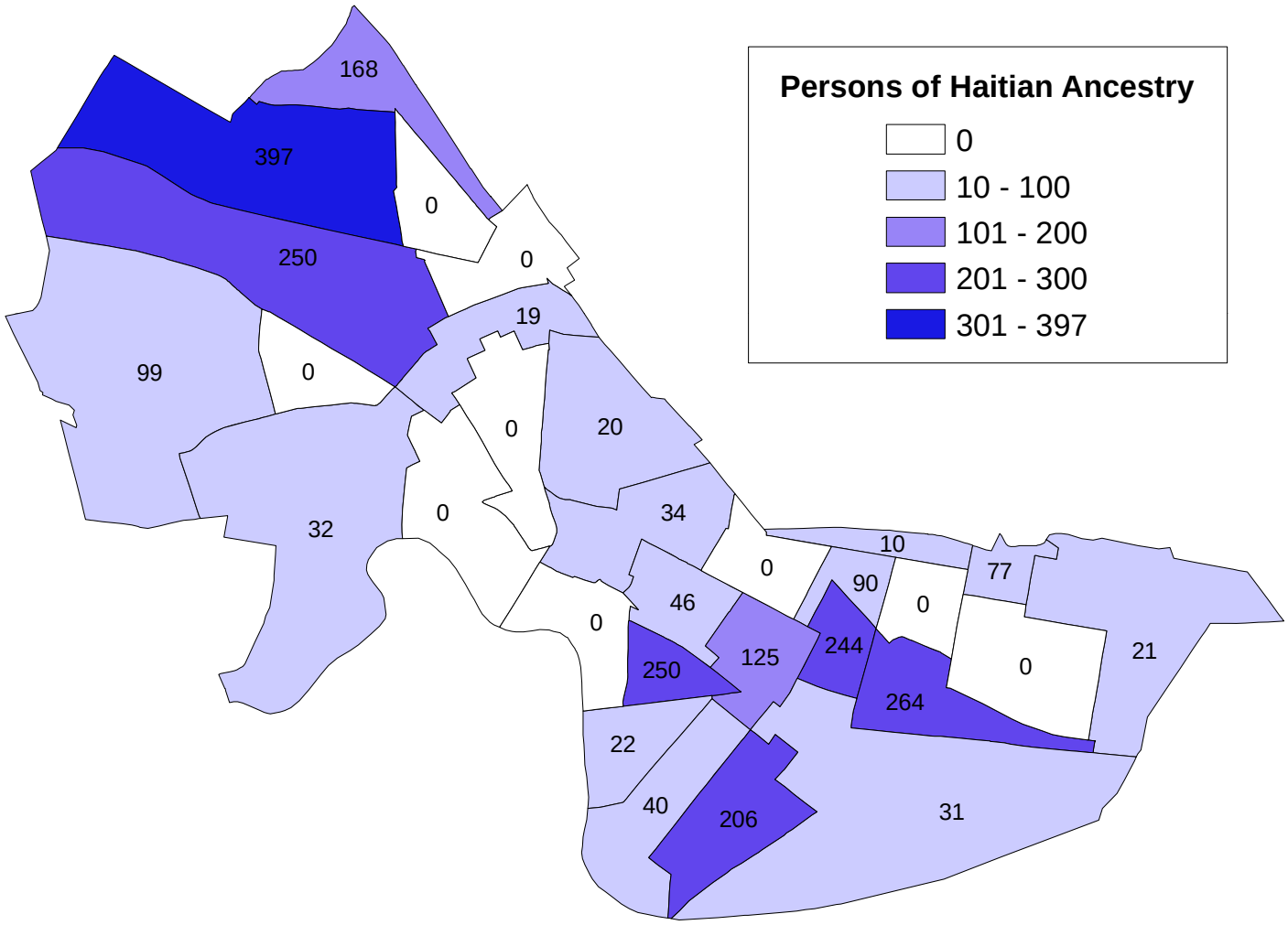
Source: 2010 U.S. Census Summary File 1

Hispanic Population: 2010



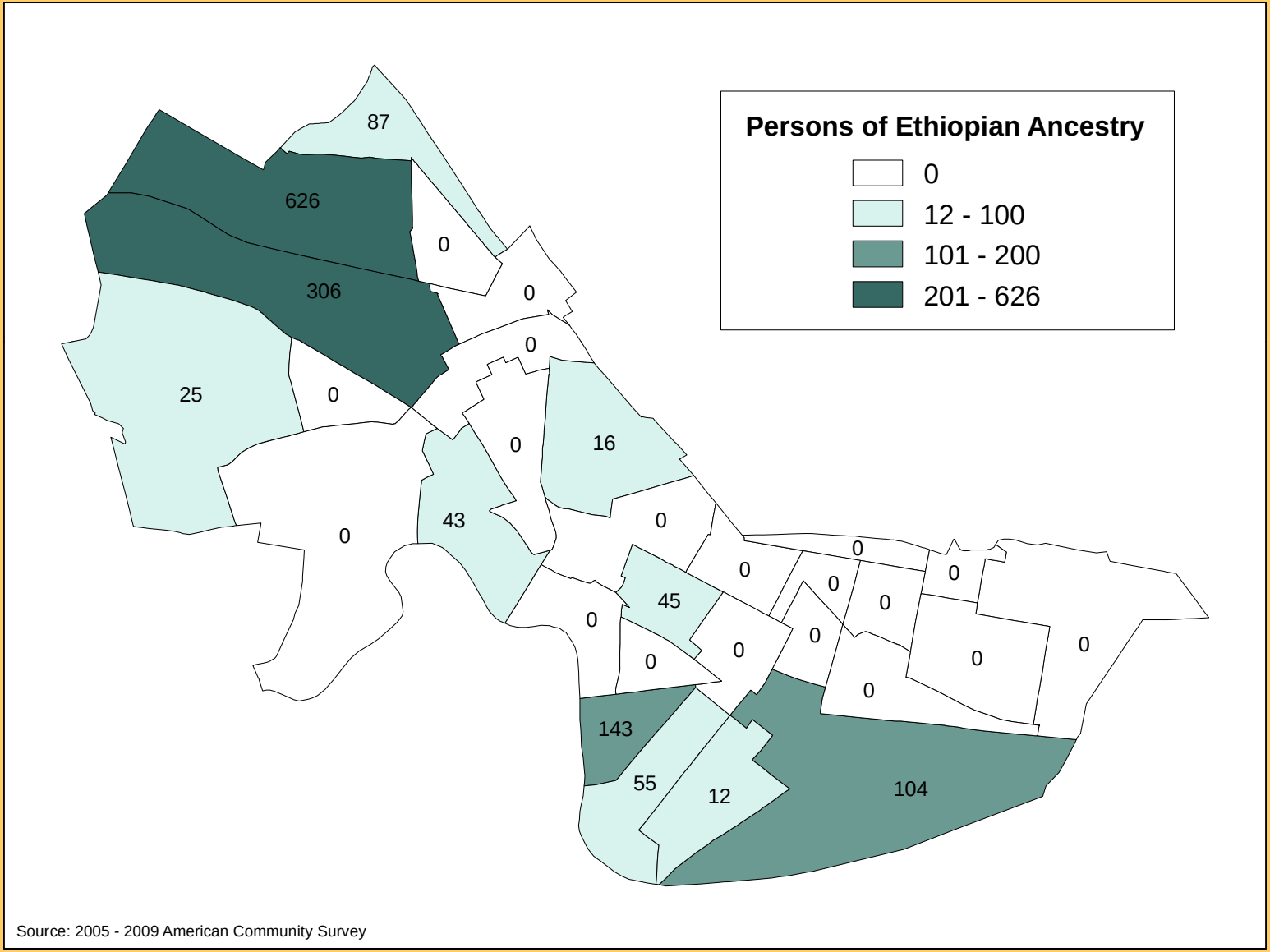
Source: 2010 U.S. Census PL94-171 data file

Haitian Population: 2005 - 2009

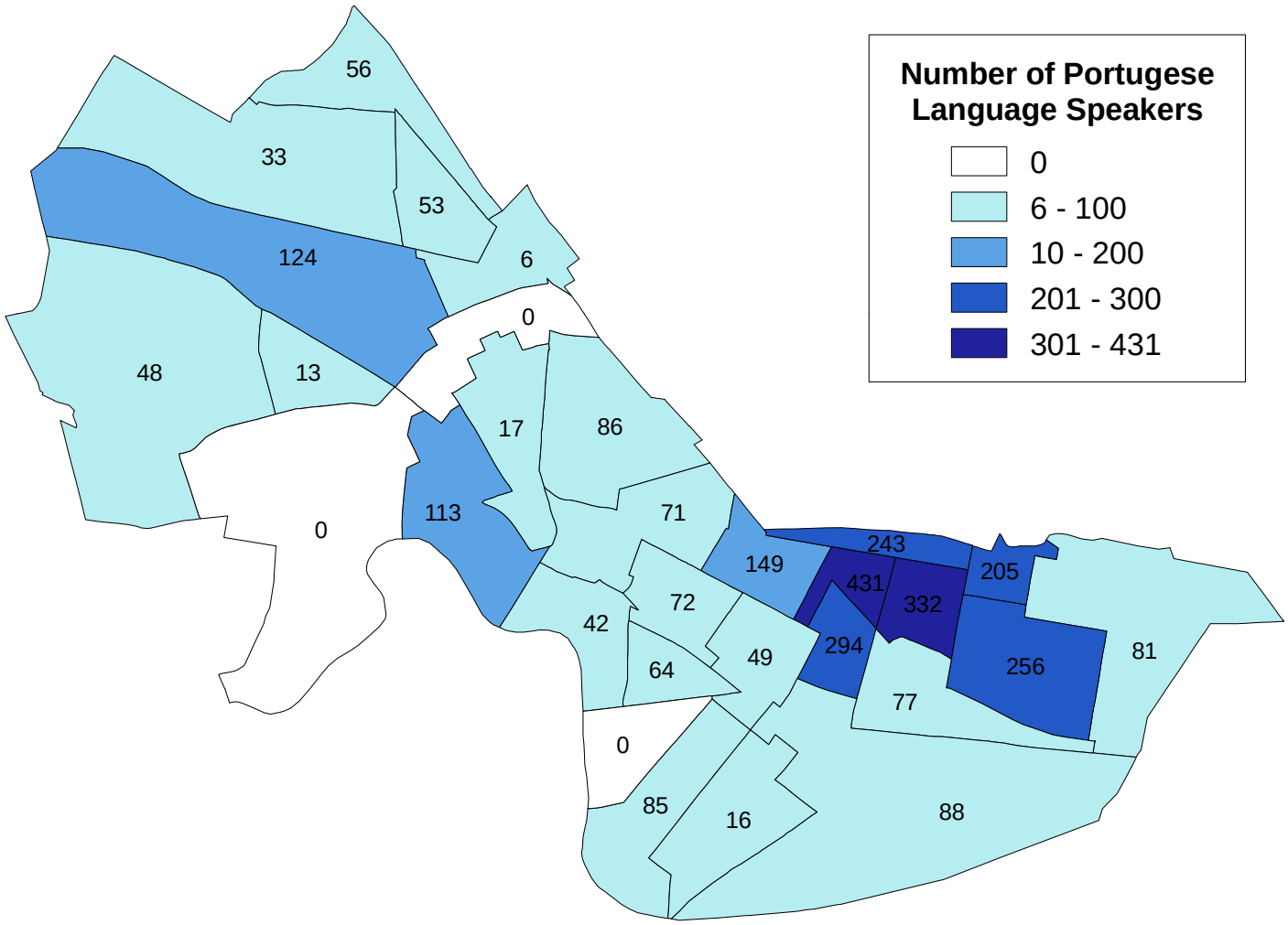


Source: 2005 - 2009 American Community Survey

Ethiopian Population: 2005 - 2009

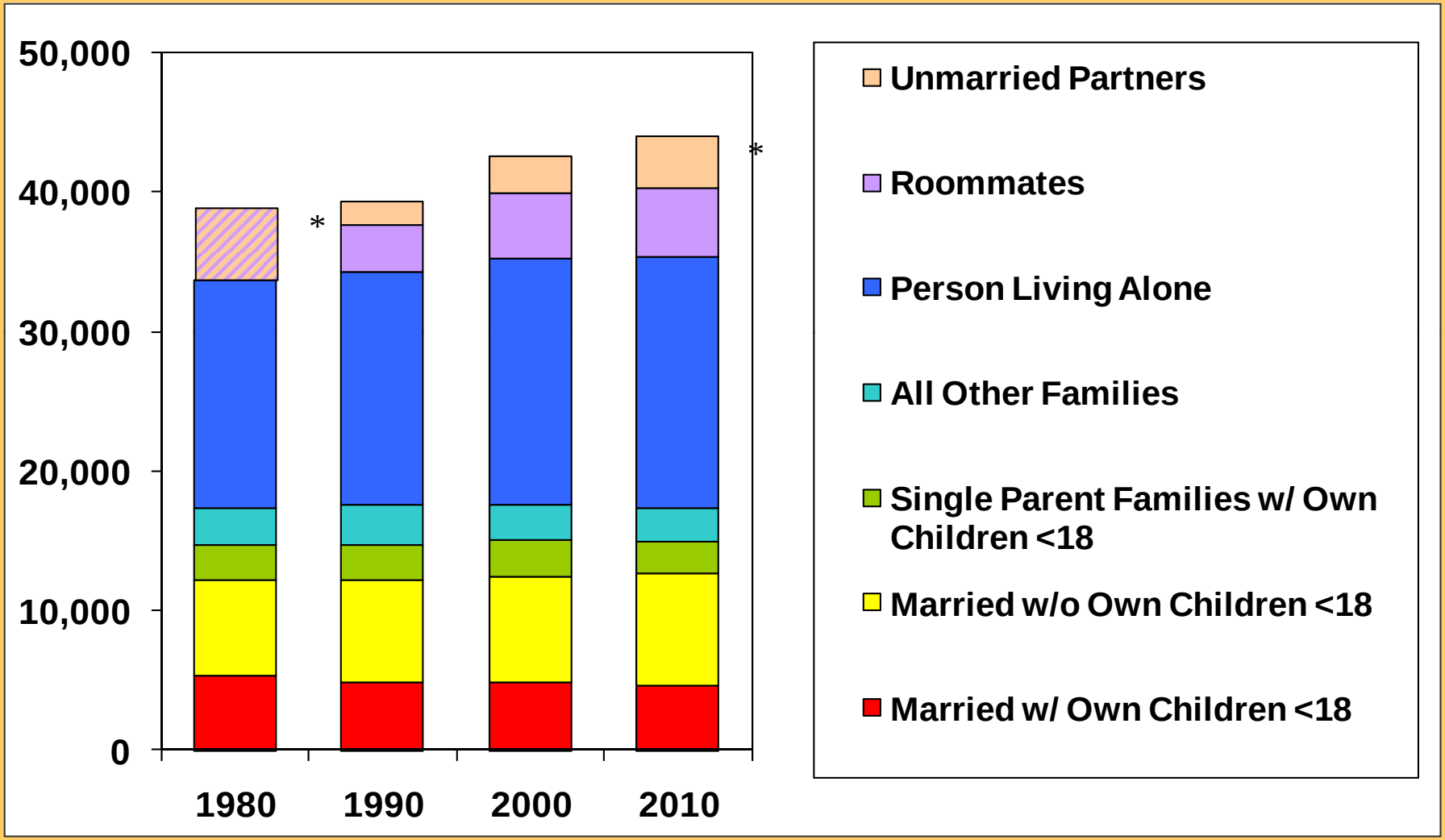


Portuguese Groups: 2005 - 2009



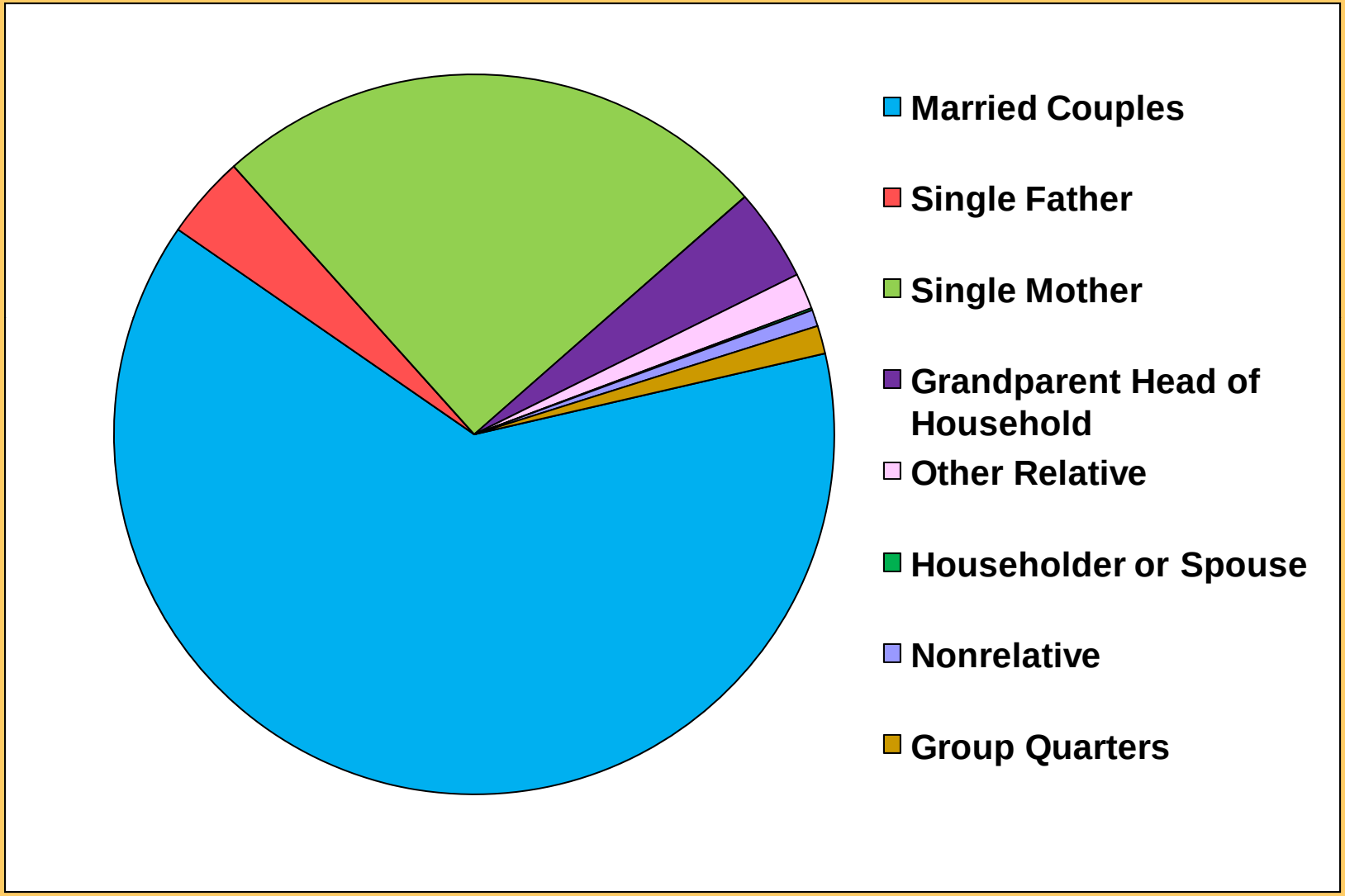
Source: 2005 - 2009 American Community Survey

Household Trends: 1980 – 2010



* The 1980 Census did not distinguish between unmarried partner and roommate households.
Source: SF1 Data File, Decennial Census, U. S. Census Bureau.

Living Arrangements of Children: 2010



Source: SF1 Data File, Decennial Census, U. S. Census Bureau.

Living Arrangements of Children: 2010

Living Arrangement	Children	As %
With One or Both Parents	11,083	92.1%
Married Couples	7,607	63.2%
Single Parent	3,476	28.9%
Single Father	449	3.7%
Single Mother	3,027	25.2%
w/ Other Relative	693	5.8%
Grandparent Head of Household	499	4.1%
Other Relative	194	1.6%
Householder or Spouse	12	0.1%
Nonrelative	89	0.7%
Group Quarters	151	1.3%
All Children	12,028	100.0%

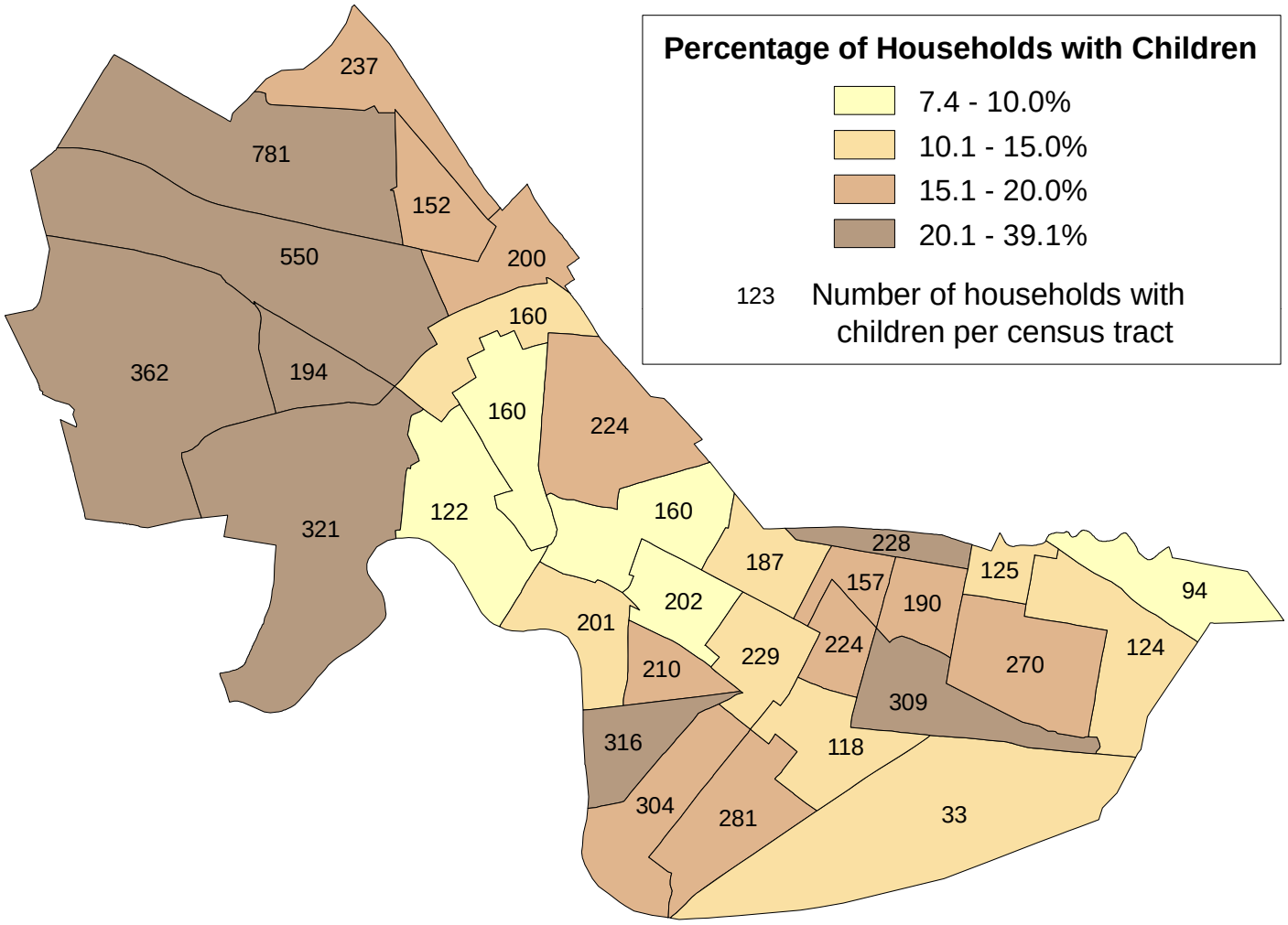
Source: SF1 Data File, Decennial Census, U. S. Census Bureau.

Households with Youths: 2010

Living Arrangement	Households	As %
Married Couples	4,803	64.7%
w/ Own Children	4,676	63.0%
w/ Other Related Children	116	1.6%
w/ Unrelated Children	11	0.1%
Single Parent	2,586	34.8%
w/ Own Children	2,296	30.9%
w/ Other Related Children	280	3.8%
w/ Unrelated Children	10	0.1%
Nonfamily HHs	29	0.4%
Householder is under 18	7	0.1%
All Households w/ Children	7,425	100.0%
Unmarried Couples w/ Own Children	407	5.5%
Opposite Sex w/ Own Children	280	3.8%
Same Sex w/ Own Children	127	1.7%

Source: SF1 Data File, Decennial Census, U. S. Census Bureau.

Families with Children: 2010



Source: 2010 U.S. Census Summary File 1

Language Spoken at Home: 2007 - 2009

Language Spoken at Home Population 5+	2007 - 2009
Speak Only English	69.7%
Speak Another Language at Home	30.3%
Spanish	6.5%
Chinese	4.5%
French incl. Creole	4.4%
African Languages	2.2%
Portuguese incl. Creole	1.5%
Linguistically Isolated HH Residents 5+	5.3%
5 - 17	10.1%
18 and Older	4.8%
5 - 17 in HH with Language Other than English	34.7%

Sources: 2007 – 2009 American Community Survey, U. S. Census Bureau

Education: 2000 and 2007 - 2009

	Education		Median Earnings	
	2000	2007 - 2009	2000	2007 - 2009
Less Than High School	10.4%	5.0%	$20,146	$22,428
High School or Equal	12.2%	11.6%	$32,118	$27,828
Less than 4 Years College	12.2%	11.0%	$32,311	$28,525
Bachelors or Higher	65.2%	72.5%	--	--
Bachelors	26.7%	29.8%	$41,644	$41,960
Graduate Degree	38.5%	42.7%	$55,160	$53,798

Sources: 2000 Decennial Census, 2007 – 2009 American Community Survey, U. S. Census Bureau

Income: 1999 and 2007 - 2009

	1999	2007 - 2009	Change
US Median Income			
Households	$54,264	$51,369	-5%
Families	$64,669	$62,367	-4%
Cambridge Median Income			
Households	$61,988	$67,297	9%
Families	$76,786	$88,574	15%
Families with Own Children	--	$75,894	--
Married Couples	--	$109,017	--
Single Father	--	$31,118	--
Single Mother	--	$25,684	--
Mean HH Public Assistance	$5,068	$3,485	-31%

Sources: 2000 Decennial Census, 2007 – 2009 American Community Survey, U. S. Census Bureau

- All figures are adjusted to 2009 dollars using the CPI

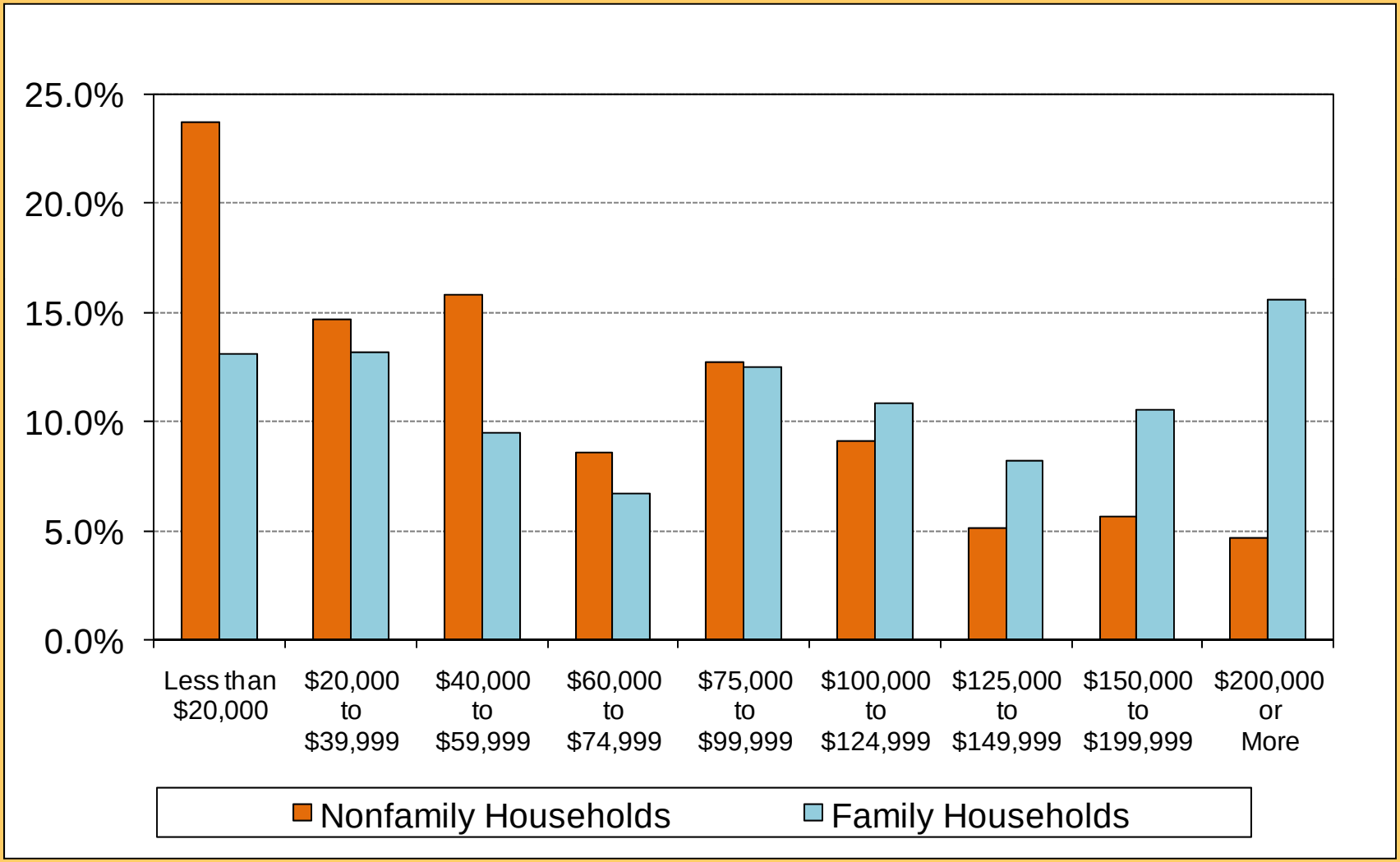
Household Income Quintiles: 2007 - 2009

Quintile	Proportion of Households	Upper Income Limit	Mean Income	Share of Income
Lowest	20%	$20,948	$10,663	2.1%
Second	20%	$50,446	$35,369	7.1%
Third	20%	$85,105	$67,012	13.4%
Fourth	20%	$137,119	$108,340	21.6%
Upper	20%	--	$279,046	55.8%
Top 5%	5%	$305,218	$562,065	28.1%

Source: 2007 – 2009 American Community Survey, U. S. Census Bureau

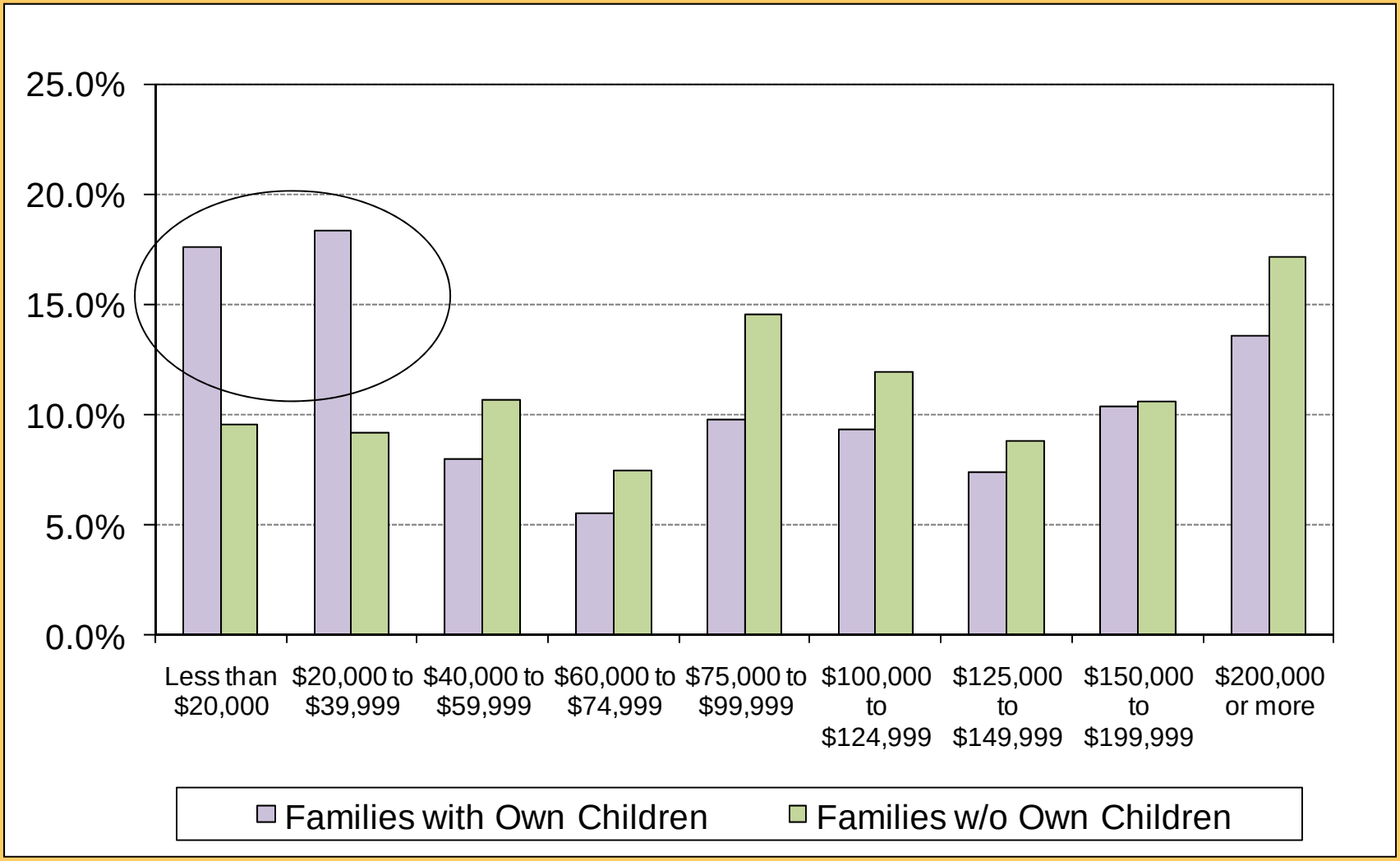
- The level of income inequality can be measured using the Gini Index, where 0 indicates perfect equality and 1 equals perfect inequality.
- For Cambridge the value is 0.534, which exceeds surrounding communities, MA and US. Comparable areas include Washington DC, Puerto Rico and Hong Kong.
- 40.7% of households are under the moderate income threshold and quality for housing assistance.

Distribution of Family and Nonfamily Income: 2007 - 2009



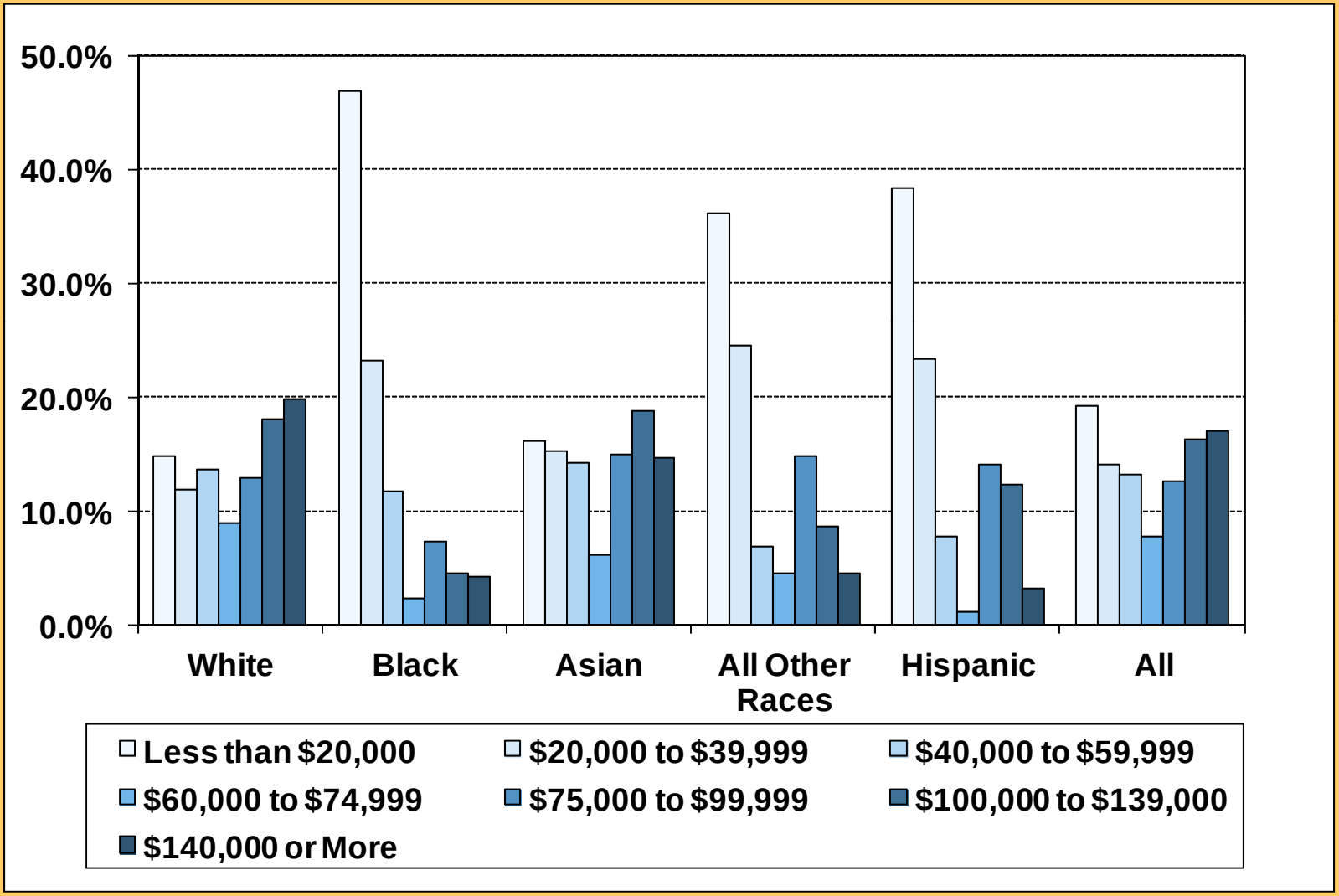
Source: 2007 – 2009 American Community Survey, U. S. Census Bureau

Distribution of Family Incomes: 2007 - 2009



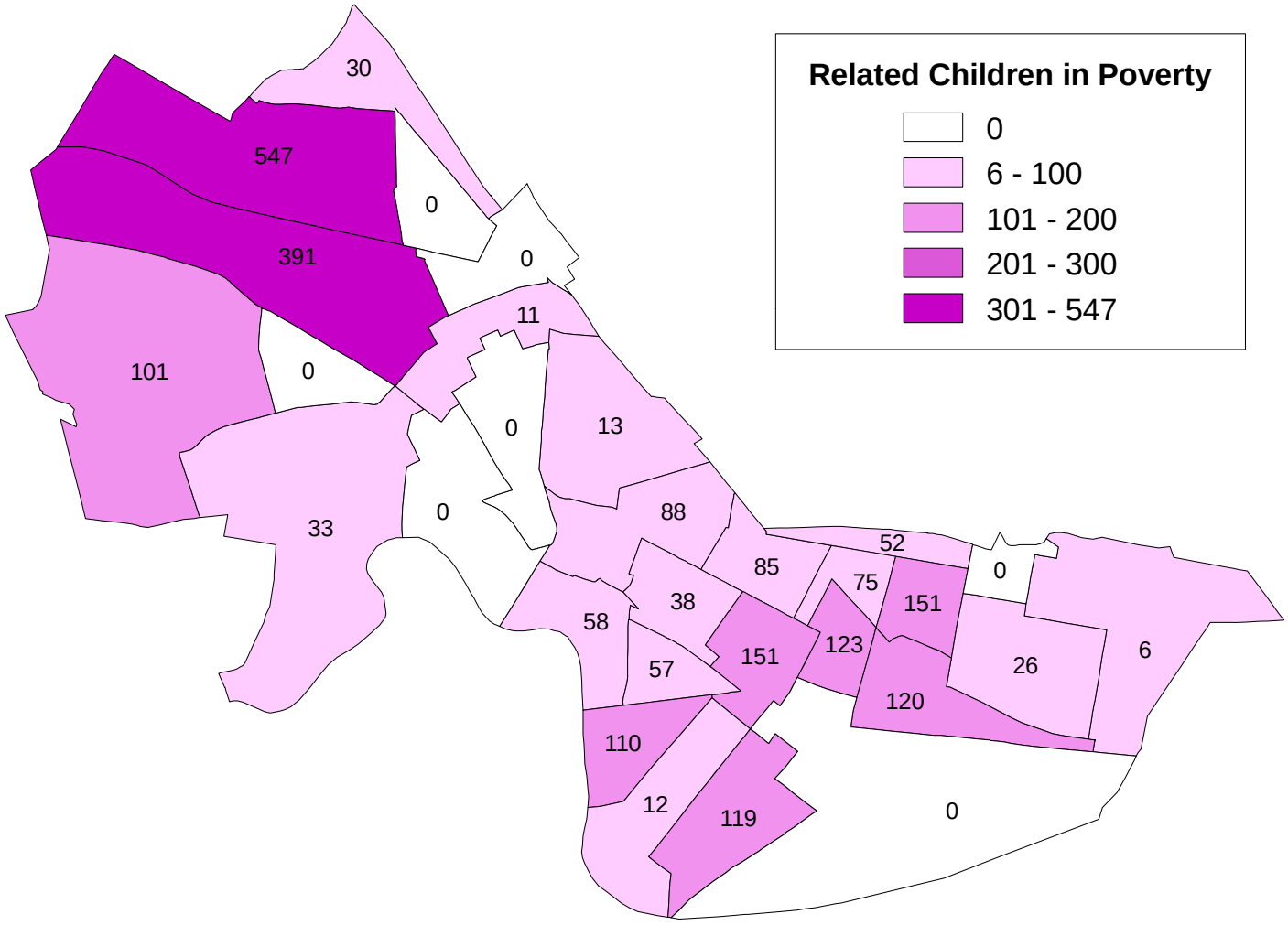
Source: 2007 – 2009 American Community Survey, U. S. Census Bureau

Income by Race: 2007 - 2009



Source: 2007 – 2009 American Community Survey, U. S. Census Bureau

Kids Living in Poverty: 2005 - 2009



Source: 2005 - 2009 American Community Survey

Food Stamps: 2007 - 2009

Households Receiving Food Stamps	2,334
As % of All Households	4.9%
% Who Are	
Below Poverty	69.0%
Family Households	49.0%
% Who Are Female Headed	83.0%
% Who Have at Least One Worker	67.0%
As % of All Households with:	
Member over 60	5.2%
Member under 18	9.3%
Income below Poverty	24.5%
Female Headed w/ Children	30.2%
Median Household Income	$11,020

Source: 2007 – 2009 American Community Survey, U. S. Census Bureau