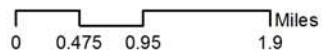


Changes in age-adjusted asthma rates for all ages

2/25/2013

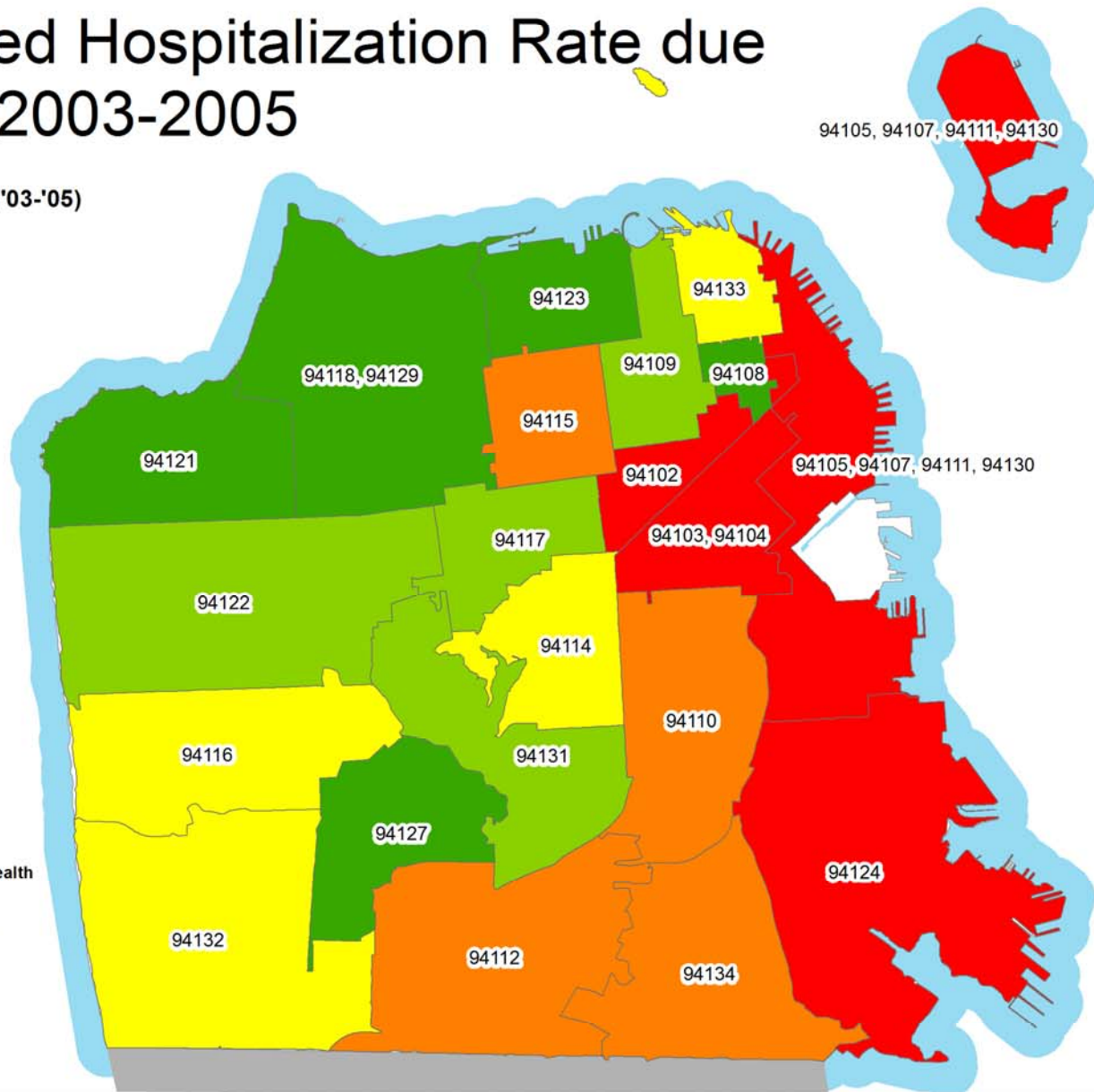
Age-Adjusted Hospitalization Rate due to Asthma, 2003-2005

Hospitalizations per 10,000 ('03-'05)



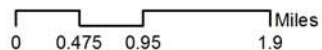
Source: California Office of Statewide Health Planning and Development via Health Matters in SF (www.healthmattersinsf.org)

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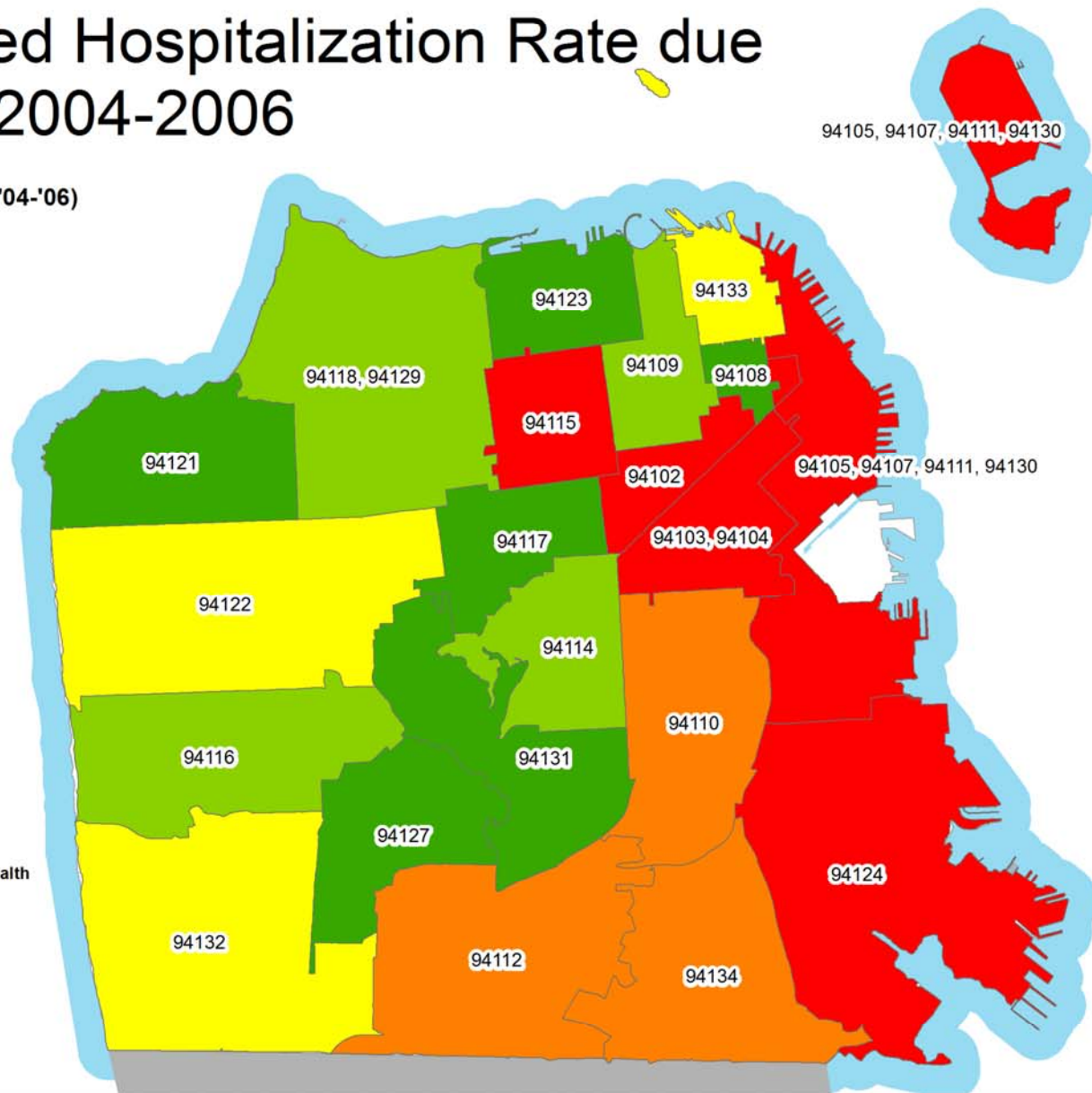
Age-Adjusted Hospitalization Rate due to Asthma, 2004-2006

Hospitalizations per 10,000 ('04-'06)



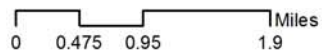
Source: California Office of Statewide Health Planning and Development via Health Matters in SF (www.healthmattersinsf.org)

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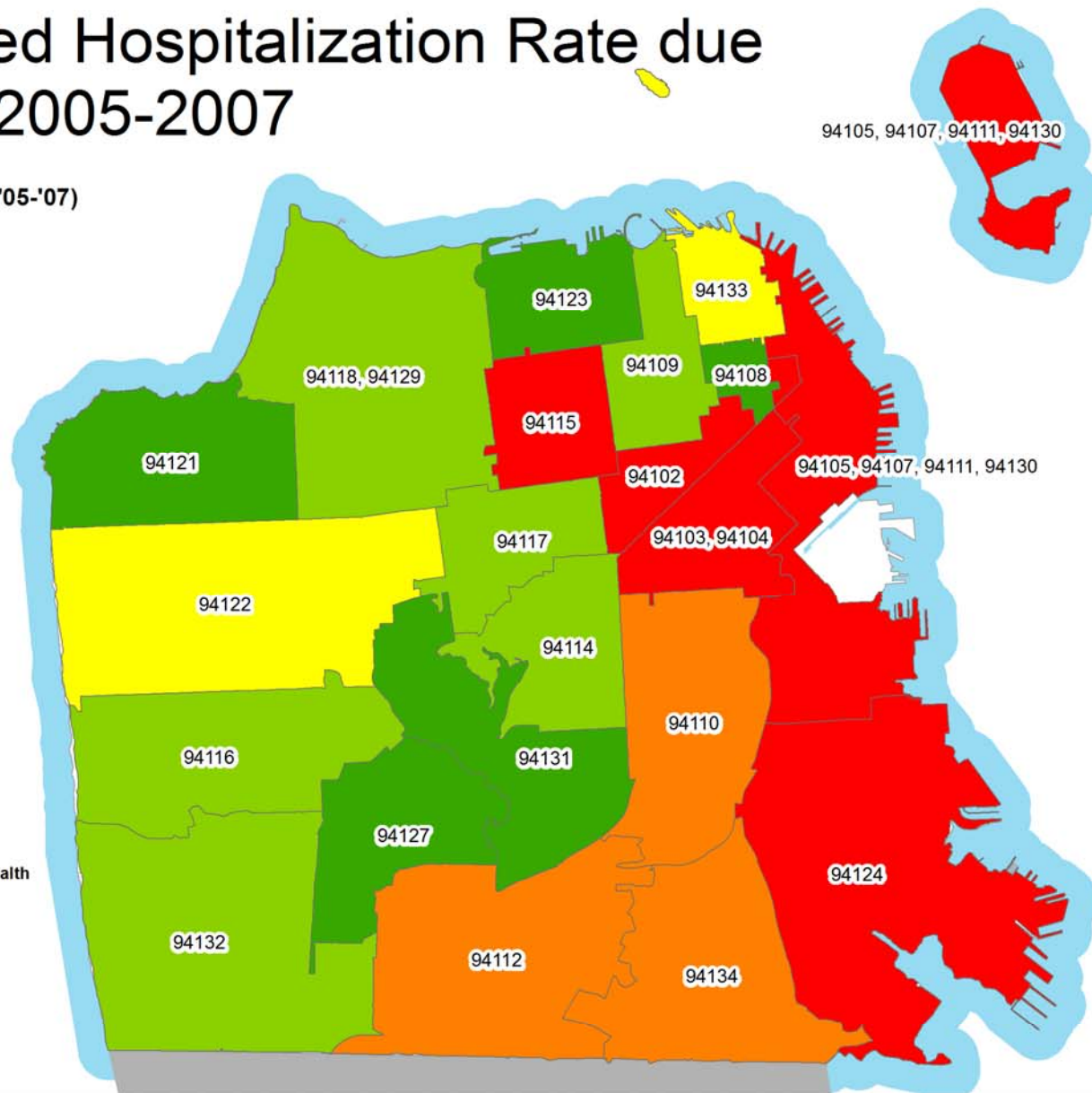
Age-Adjusted Hospitalization Rate due to Asthma, 2005-2007

Hospitalizations per 10,000 ('05-'07)



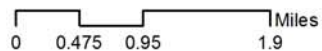
Source: California Office of Statewide Health Planning and Development via Health Matters in SF (www.healthmattersinsf.org)

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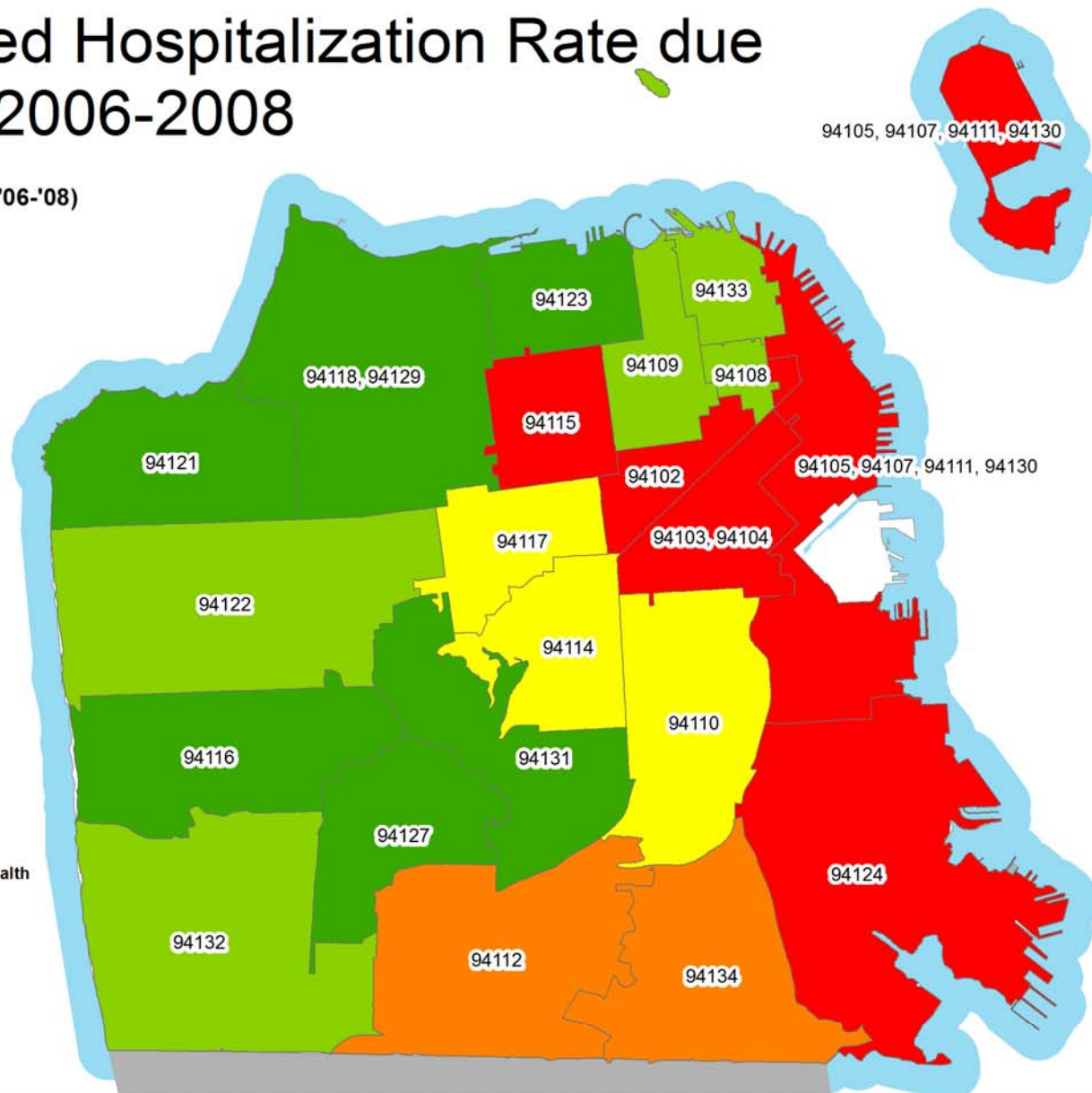
Age-Adjusted Hospitalization Rate due to Asthma, 2006-2008

Hospitalizations per 10,000 ('06-'08)



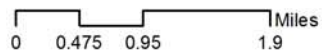
Source: California Office of Statewide Health Planning and Development via Health Matters in SF (www.healthmattersinsf.org)

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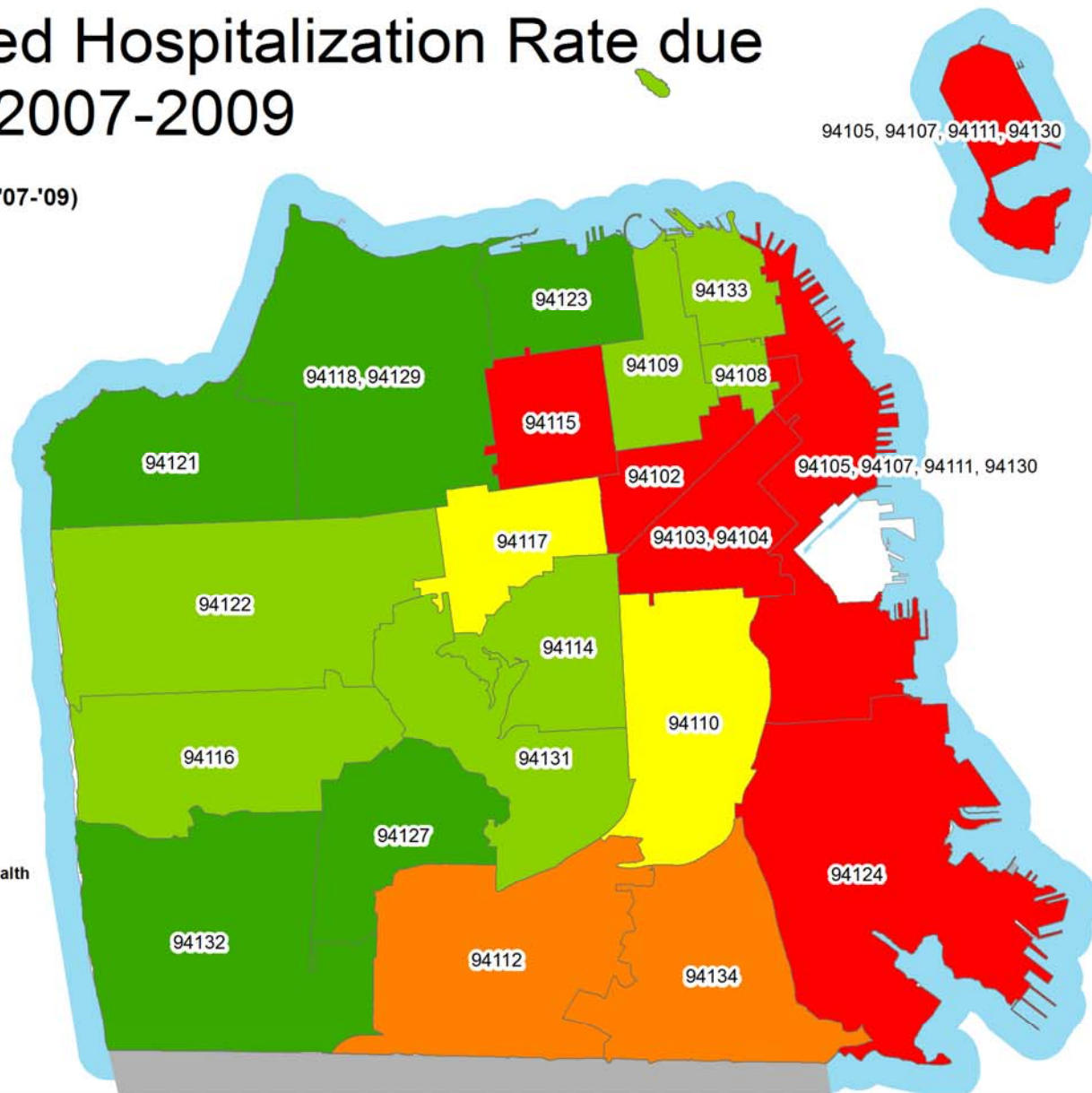
Age-Adjusted Hospitalization Rate due to Asthma, 2007-2009

Hospitalizations per 10,000 ('07-'09)



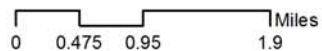
Source: California Office of Statewide Health Planning and Development via Health Matters in SF (www.healthmattersinsf.org)

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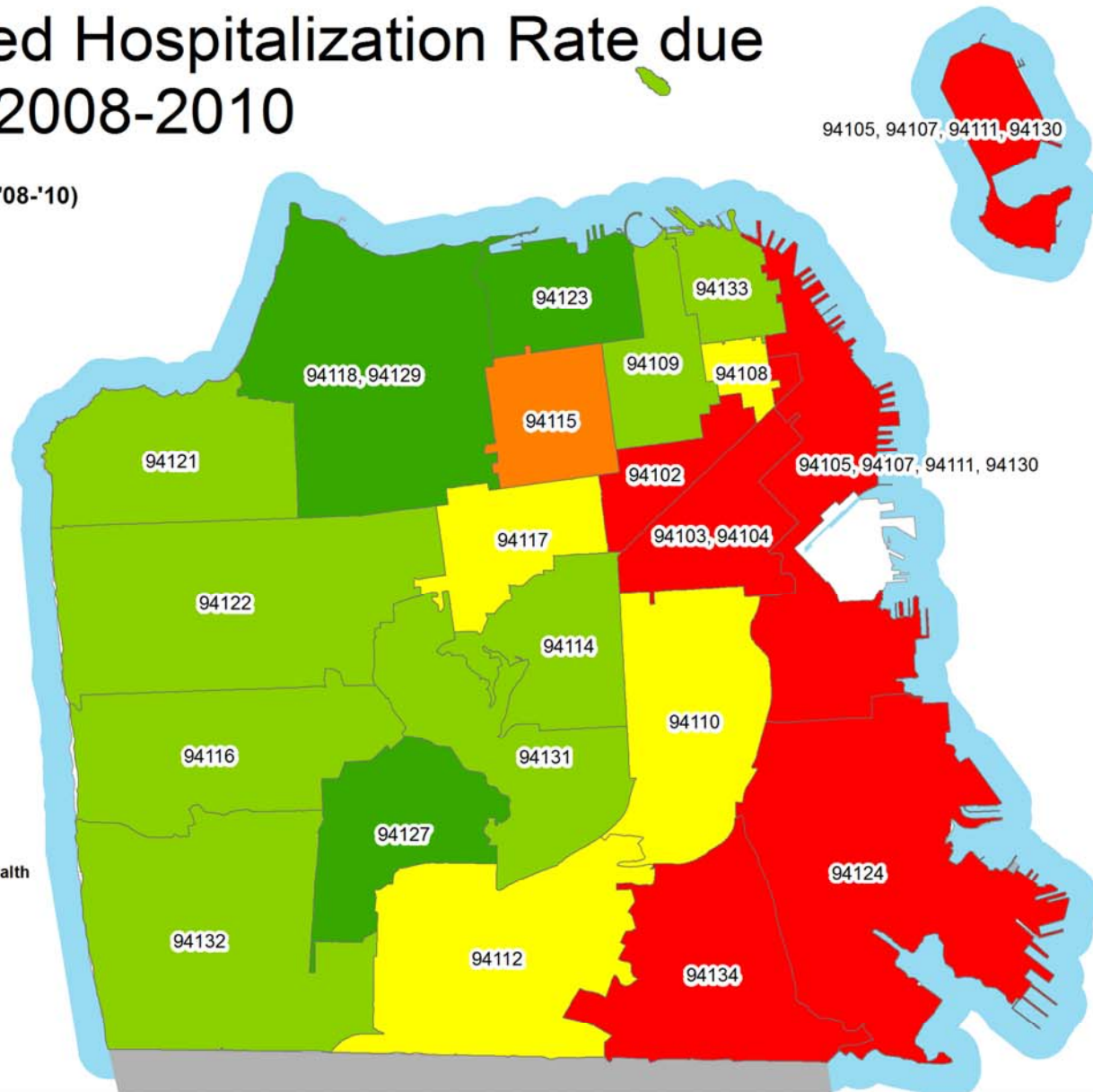
Age-Adjusted Hospitalization Rate due to Asthma, 2008-2010

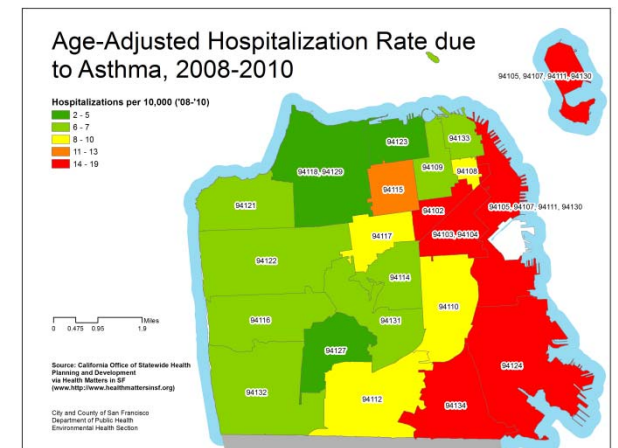
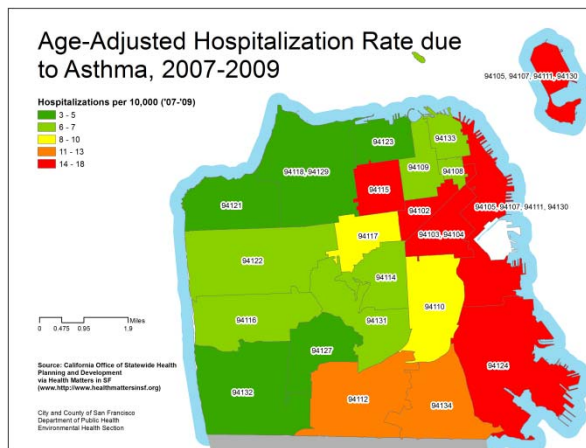
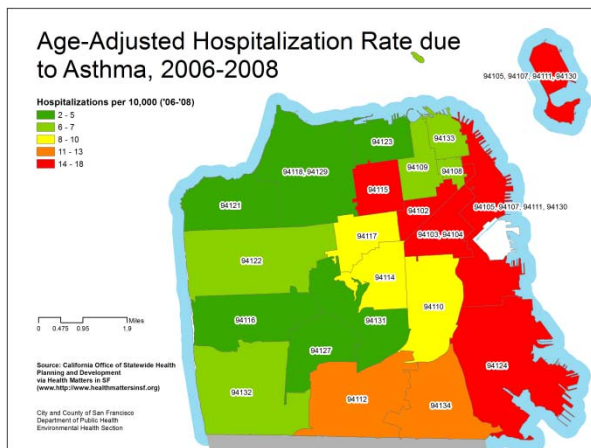
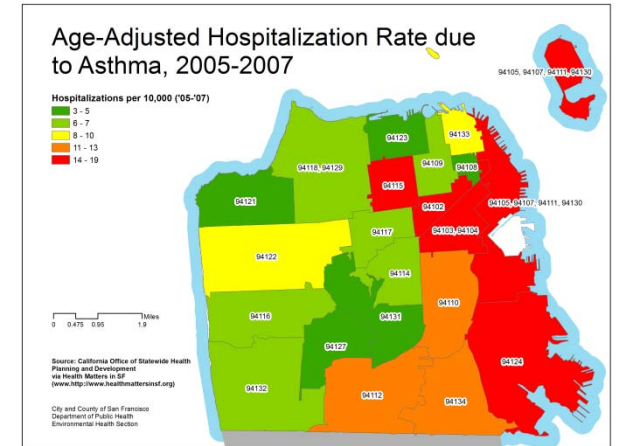
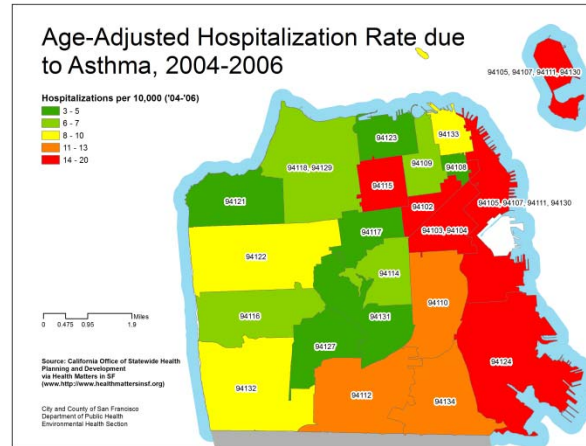
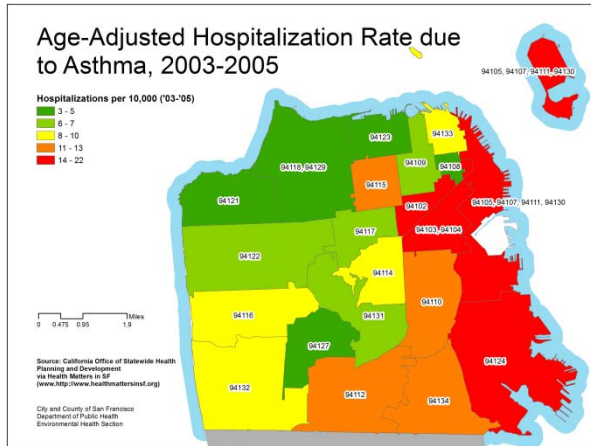
Hospitalizations per 10,000 ('08-'10)



Source: California Office of Statewide Health Planning and Development via Health Matters in SF (www.healthmattersinsf.org)

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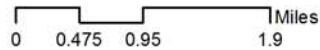
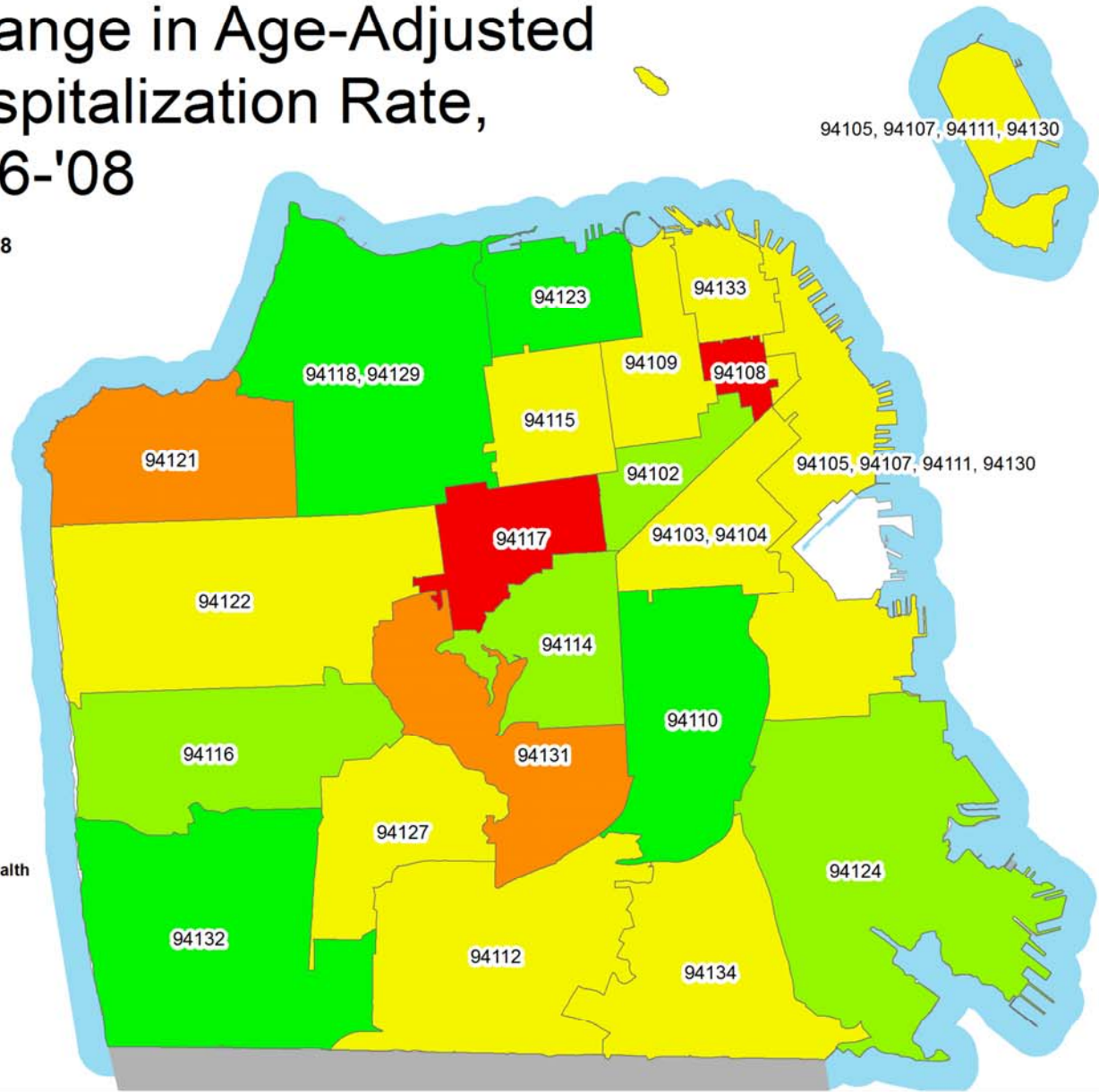
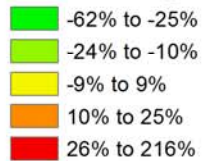




Percent change

Percent Change in Age-Adjusted Asthma Hospitalization Rate, '03-'05 to '06-'08

Percent change '03-'05 to '06-'08

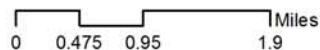
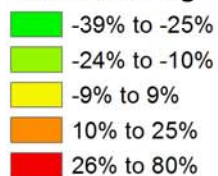


Source: California Office of Statewide Health Planning and Development via Health Matters in SF ([www.http://www.healthmattersinsf.org](http://www.healthmattersinsf.org))

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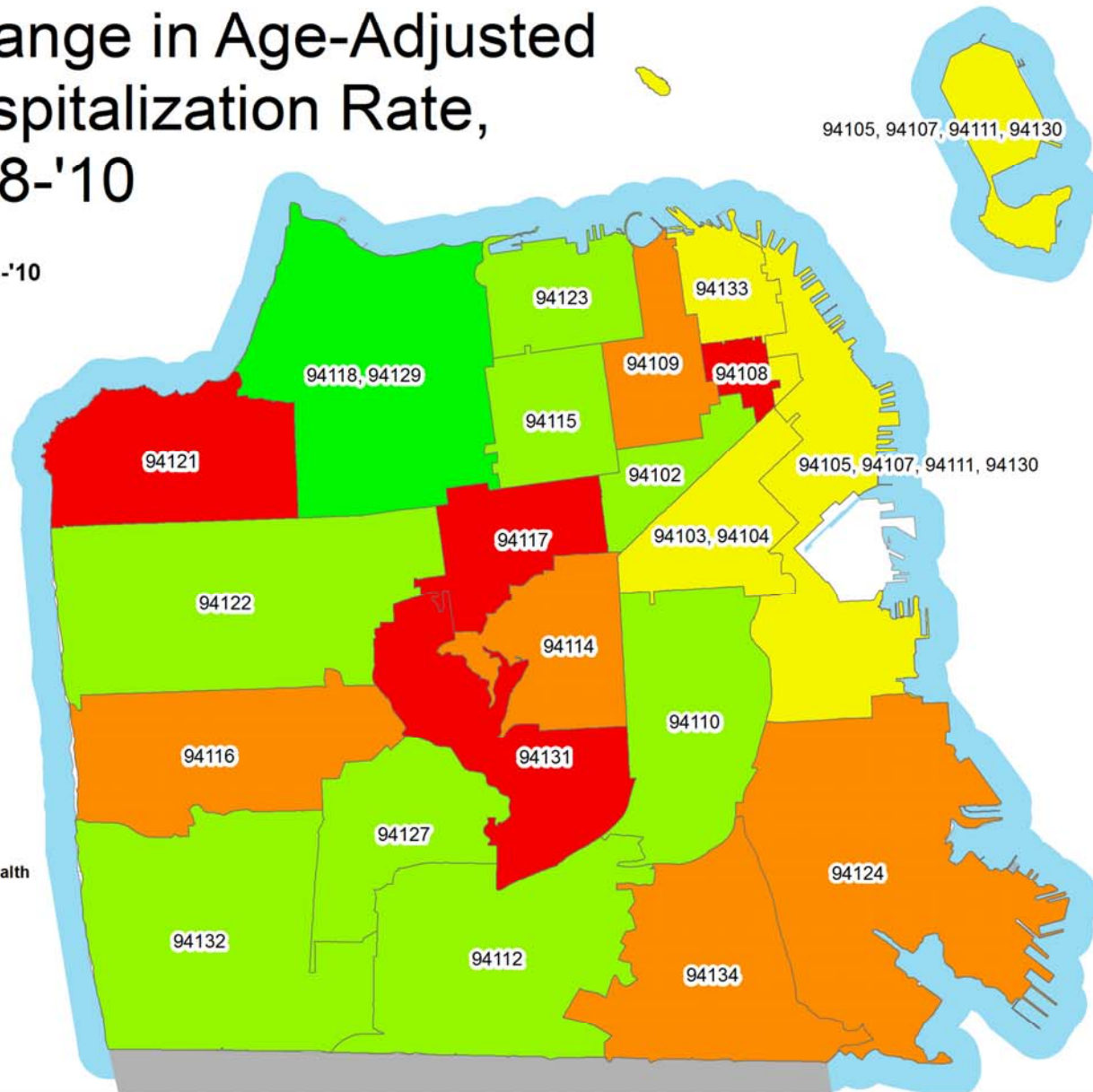
Percent Change in Age-Adjusted Asthma Hospitalization Rate, '05-'07 to '08-'10

Percent change '05-'07 to '08-'10



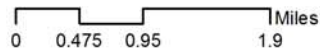
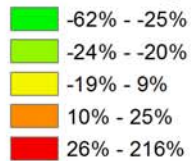
Source: California Office of Statewide Health Planning and Development via Health Matters in SF ([www.http://www.healthmattersinsf.org](http://www.healthmattersinsf.org))

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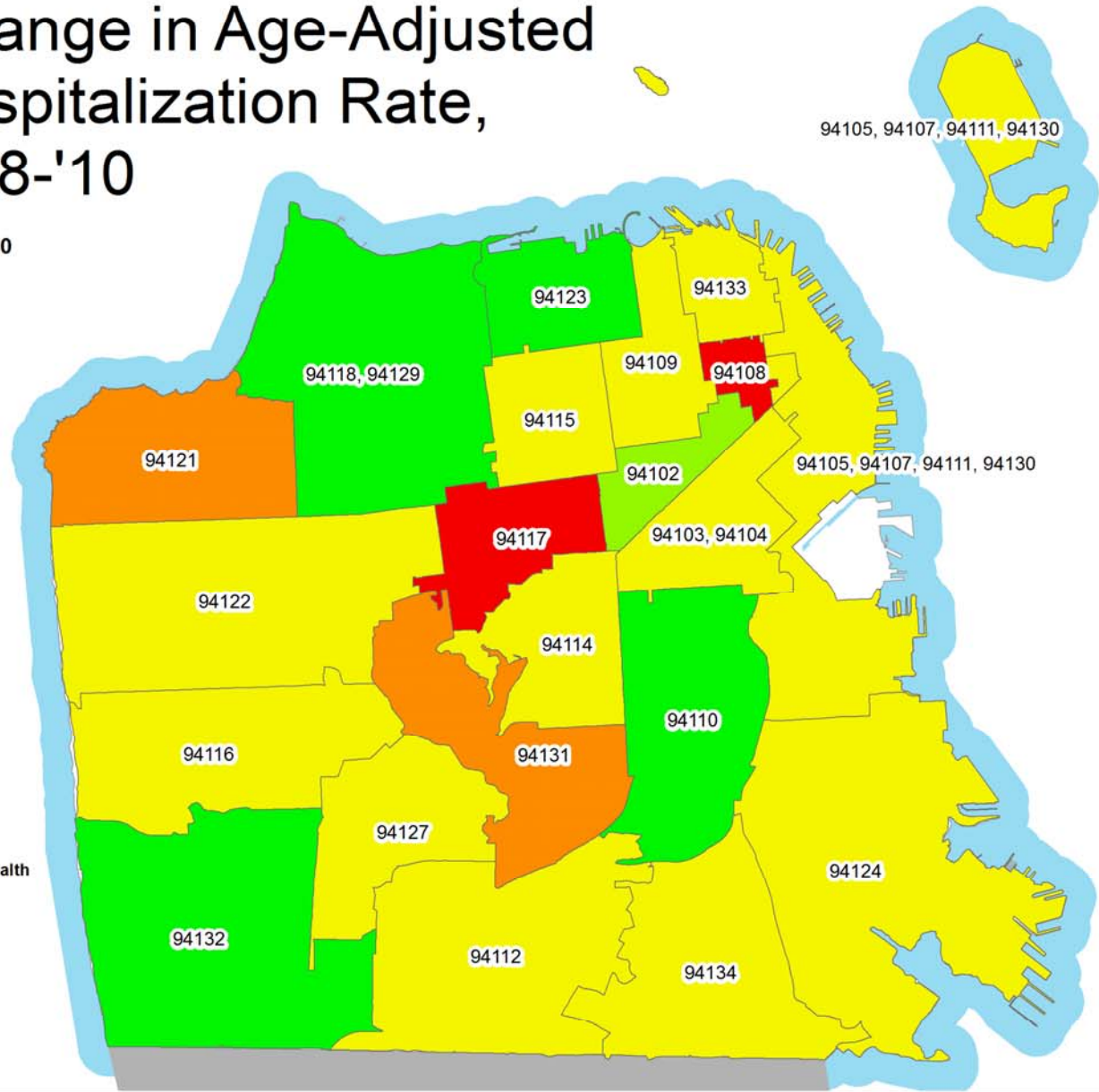
Percent Change in Age-Adjusted Asthma Hospitalization Rate, '03-'05 to '08-'10

Percent change '03-'05 to '08-'10



Source: California Office of Statewide Health Planning and Development via Health Matters in SF ([www.http://www.healthmattersinsf.org](http://www.healthmattersinsf.org))

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Percent Change in Age-Adjusted Asthma Hospitalization Rate, '03-'05 to '06-'08

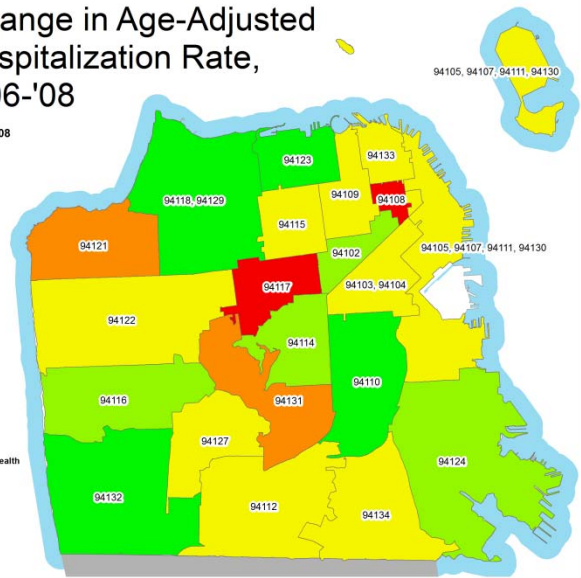
Percent change '03-'05 to '06-'08

- 62% to -25%
- 24% to -10%
- 9% to 9%
- 10% to 25%
- 26% to 216%

0 0.475 0.95 1.9 Miles

Source: California Office of Statewide Health Planning and Development via Health Matters in SF (www.healthmattersinst.org)

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Percent Change in Age-Adjusted Asthma Hospitalization Rate, '05-'07 to '08-'10

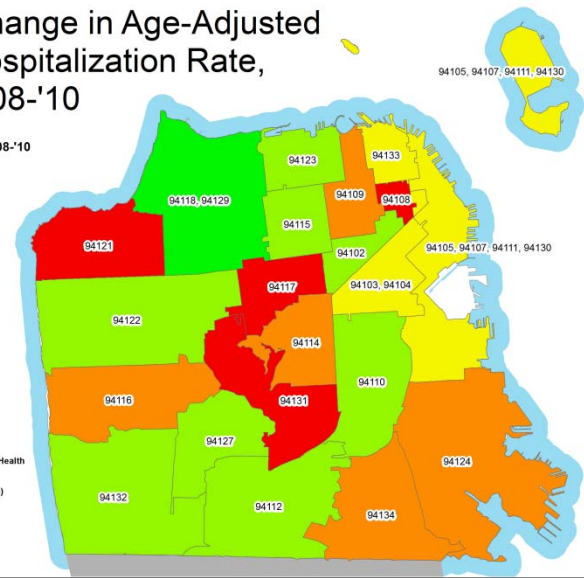
Percent change '05-'07 to '08-'10

- 39% to -25%
- 24% to -10%
- 9% to 9%
- 10% to 25%
- 26% to 80%

0 0.475 0.95 1.9 Miles

Source: California Office of Statewide Health Planning and Development via Health Matters in SF (www.healthmattersinst.org)

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Percent Change in Age-Adjusted Asthma Hospitalization Rate, '03-'05 to '08-'10

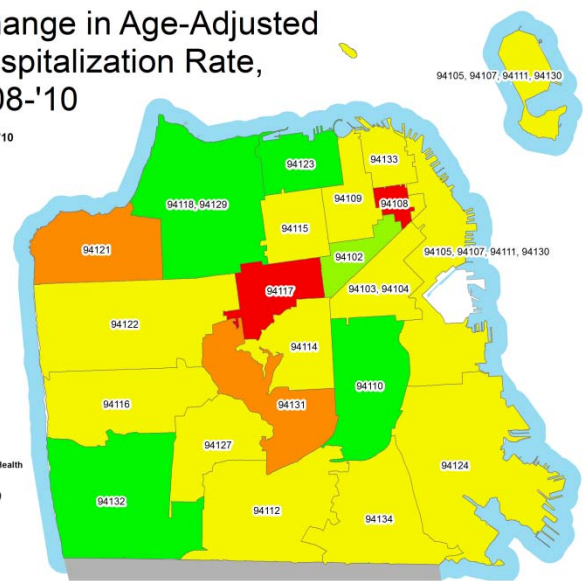
Percent change '03-'05 to '08-'10

- 62% to -25%
- 24% to -20%
- 19% to -9%
- 10% to 25%
- 26% to 216%

0 0.475 0.95 1.9 Miles

Source: California Office of Statewide Health Planning and Development via Health Matters in SF (www.healthmattersinst.org)

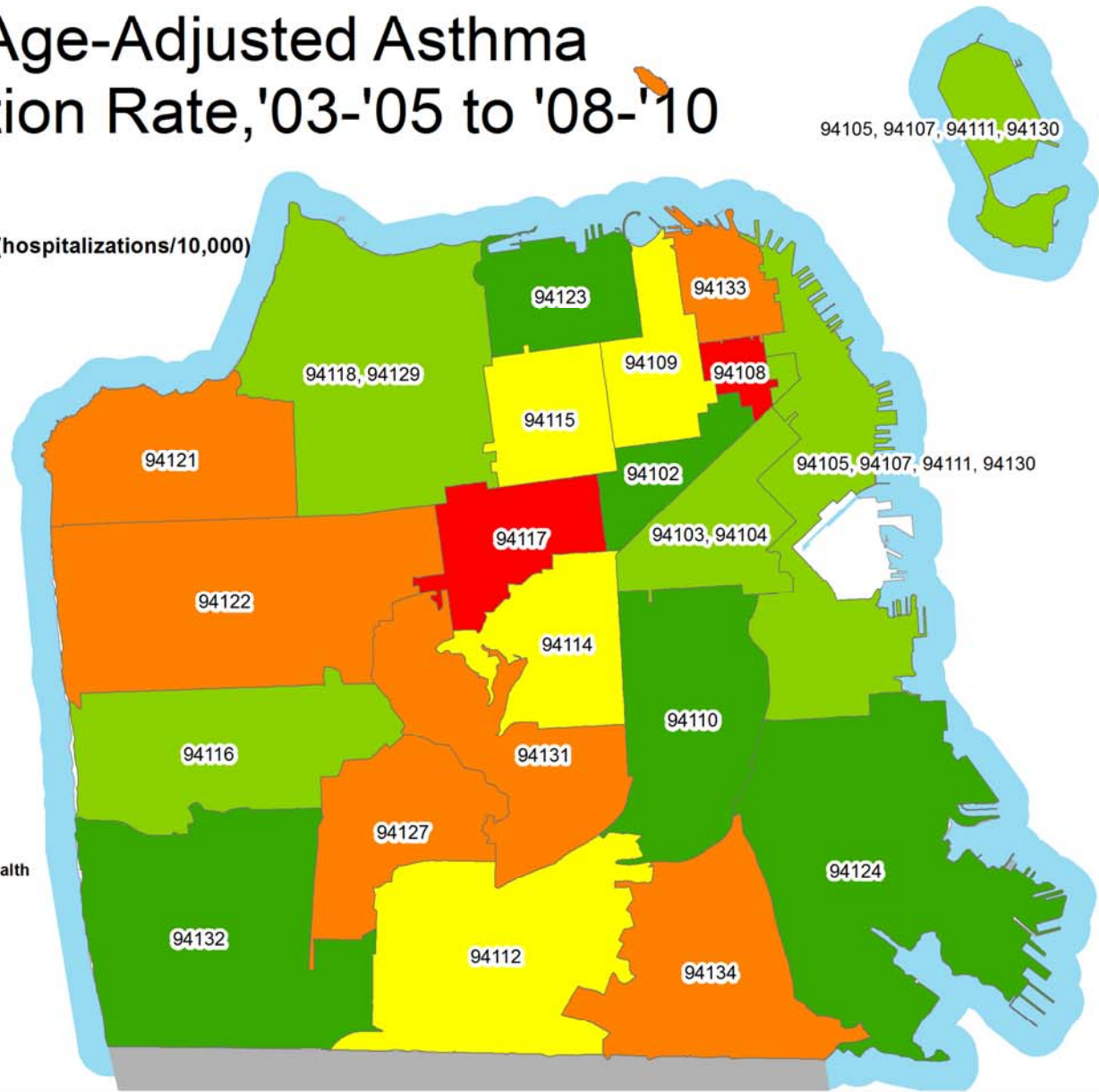
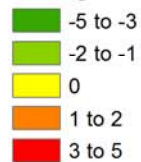
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Rate change

Change in Age-Adjusted Asthma Hospitalization Rate, '03-'05 to '08-'10

Change in hospitalization rate (hospitalizations/10,000)



Source: California Office of Statewide Health Planning and Development via Health Matters in SF ([www.http://www.healthmattersinsf.org](http://www.healthmattersinsf.org))

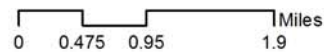
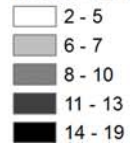
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2008-2010 Age-Adjusted Asthma Hospitalization Rate and Seven Year Rate Change (2003-2010)

Change in hospitalization rate (hospitalizations/10,000)

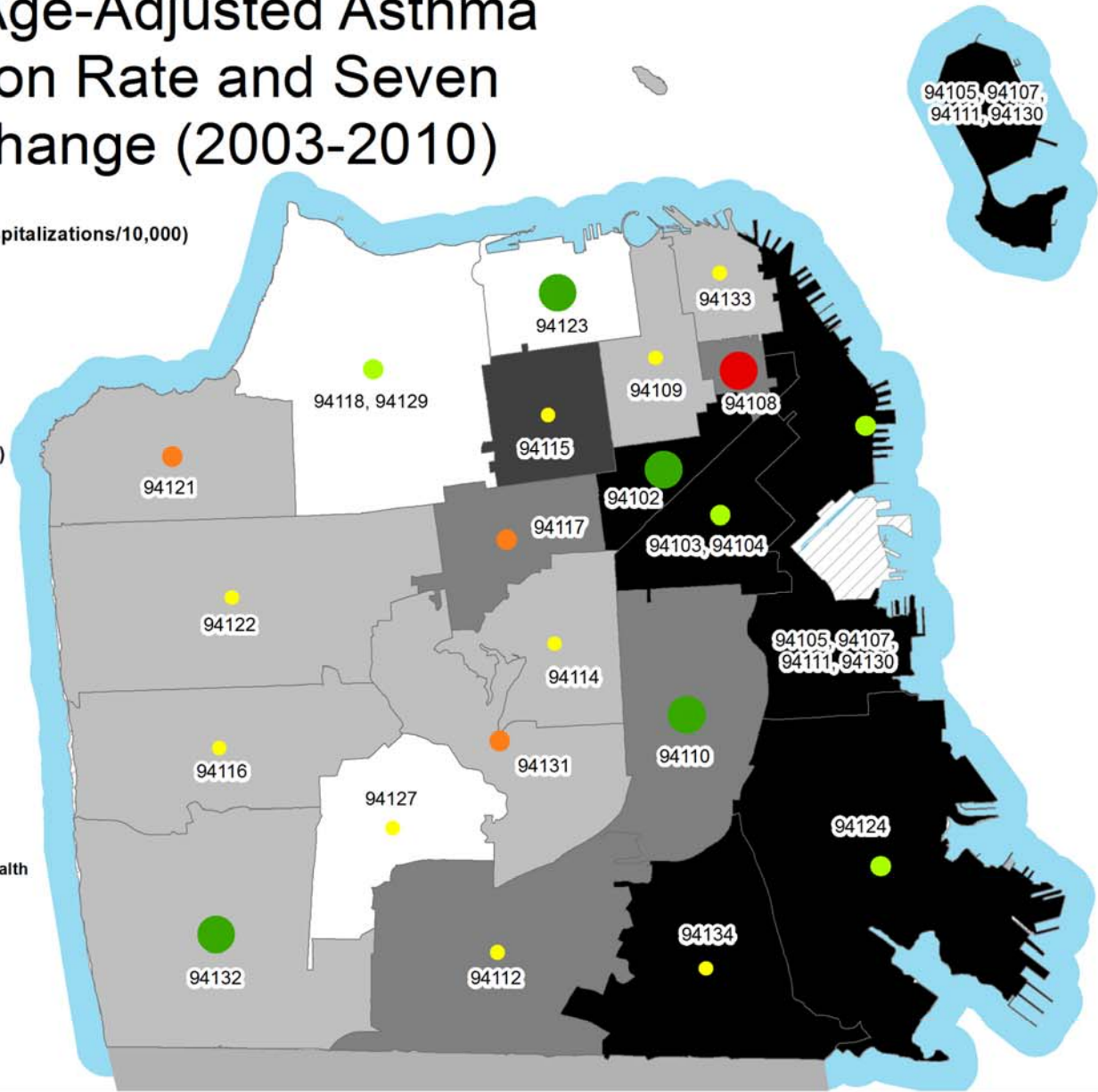


Hospitalizations per 10,000 ('08-'10)

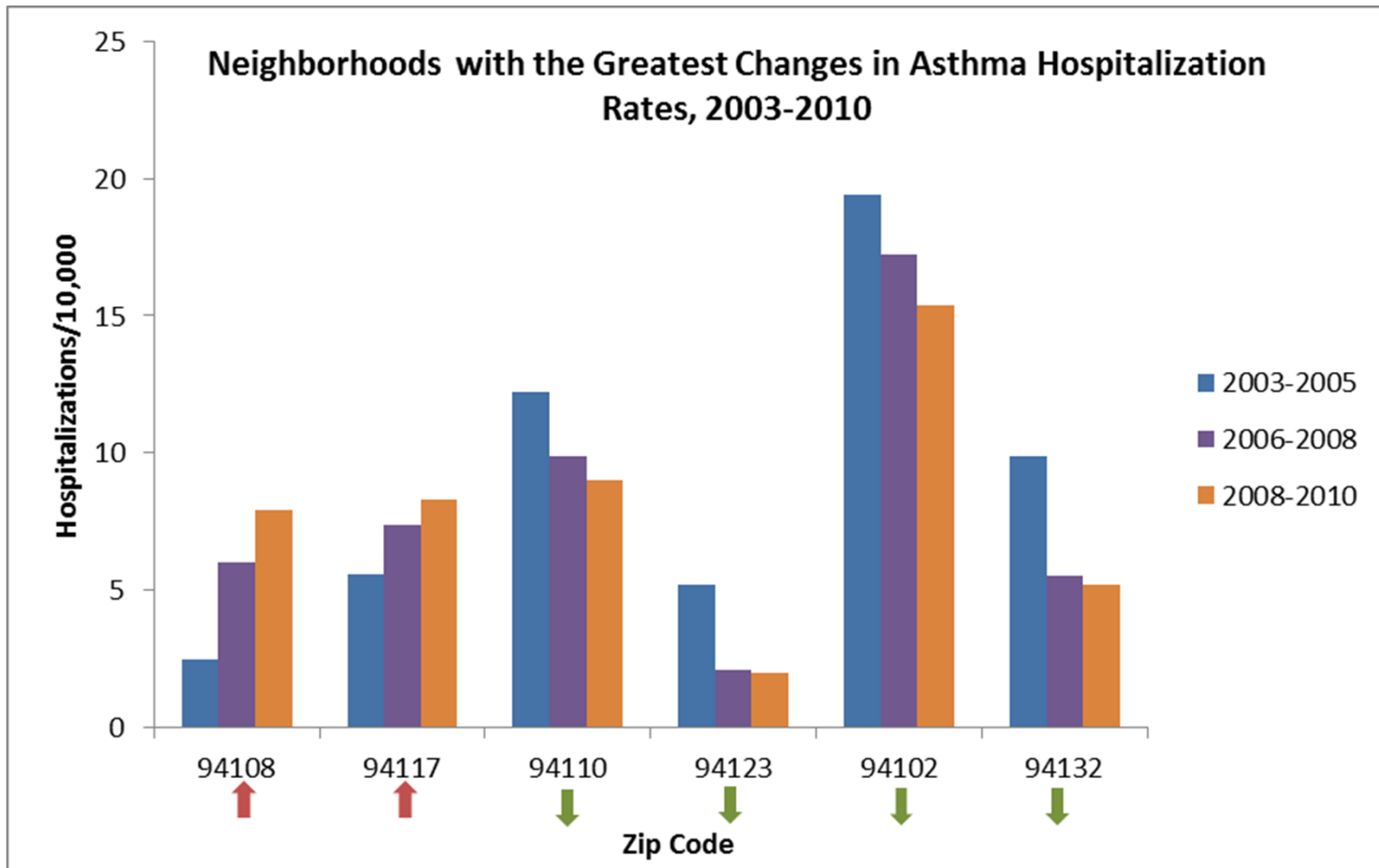


Source: California Office of Statewide Health Planning and Development via Health Matters in SF (www.healthmattersinsf.org)

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Neighborhoods with the Largest Increases and Decreases, 2003-2010



Trends in the age-adjusted asthma hospitalization rate (per 10,000)

Zip code	P1	P2	P3	P4	P5	P6	Percent change between periods			Rate change
	2003-2005	2004-2006	2005-2007	2006-2008	2007-2009	2008-2010	P1-P4	P3-P6	P1-P6	
94124	21.9	19.6	17.4	16.3	17.6	19.4	-25.6%	11.5%	-11.4%	-2.5
94105, 94107, 94111, 94130	18	17.2	17.3	17.9	16	16.9	-0.6%	-2.3%	-6.1%	-1.1
94103, 94104	17.7	15.8	15.8	13.8	15.9	16.3	-22.0%	3.2%	-7.9%	-1.4
94102	19.4	18	19.1	17.2	15.4	15.4	-11.3%	-19.4%	-20.6%	-4
94134	13	12.6	12.3	11.1	12.2	13.9	-14.6%	13.0%	6.9%	0.9
94115	13.1	14.5	14.7	13.7	13.5	12.6	4.6%	-14.3%	-3.8%	-0.5
94112	10.8	11.9	12.7	12.9	11.8	10.2	19.4%	-19.7%	-5.6%	-0.6
94110	12.2	11.7	10.8	9.9	9.5	9	-18.9%	-16.7%	-26.2%	-3.2
SF	9.8	9.6	9.3	8.9	8.9	9	-9.2%	-3.2%	-8.2%	-0.8
94117	5.6	4.1	6.1	7.4	8.7	8.3	32.1%	36.1%	48.2%	2.7
94108	2.5	3.1	4.4	6	6.8	7.9	140.0%	79.5%	216.0%	5.4
94133	7.3	7.9	7.7	6	6.3	7.3	-17.8%	-5.2%	0.0%	0
94114	7.6	6.4	6.2	7.3	6.4	6.8	-3.9%	9.7%	-10.5%	-0.8
94109	7	6	5.5	5.3	6.8	6.7	-24.3%	21.8%	-4.3%	-0.3
94131	5.6	5	4.2	4.2	5.8	6.6	-25.0%	57.1%	17.9%	1
94122	6.5	7.7	7.7	6.7	6.3	6.4	3.1%	-16.9%	-1.5%	-0.1
94116	7.2	6.1	5.2	5	5.7	6.3	-30.6%	21.2%	-12.5%	-0.9
94121	4.8	4.7	3.9	4.8	5	5.9	0.0%	51.3%	22.9%	1.1
94132	9.9	9.9	6.8	5.5	4.4	5.2	-44.4%	-23.5%	-47.5%	-4.7
94127	3.2	3.7	4	4.5	4.5	3.5	40.6%	-12.5%	9.4%	0.3
94118, 94129	5.1	5.9	5.6	4.7	3.4	3.4	-7.8%	-39.3%	-33.3%	-1.7
94123	5.2	3.6	2.6	2.1	2.5	2	-59.6%	-23.1%	-61.5%	-3.2

Trends in the pediatric age-adjusted asthma hospitalization rate (per 10,000)

	P1	P2	P3	P4	P5	P6	Percent change between periods			Rate change
	2003-2005	2004-2006	2005-2007	2006-2008	2007-2009	2008-2010	P1-P4	P3-P6	P1-P6	
94105, 94107, 94111, 94130	27.4	27.6	27.7	36	25.9	26.7	31.4%	-3.6%	-2.6%	-0.7
94124	22.9	21.3	16.9	14.5	18.2	19	-36.7%	12.4%	-17.0%	-3.9
94102	21.7	21.1	21.2	12.7	10.5	?	-41.5%	--	--	-11.2
94115	19.5	20.3	20	14.9	14.3	13.5	-23.6%	-32.5%	-30.8%	-6
94103, 94104	18.8	16.3	17.5	12.5	15	15	-33.5%	-14.3%	-20.2%	-3.8
94134	18.5	17.8	13.4	11.9	13.3	15.8	-35.7%	17.9%	-14.6%	-2.7
94110	17.9	17.3	14.5	12.1	12.4	9.6	-32.4%	-33.8%	-46.4%	-8.3
94112	17.5	17.9	18.6	16.6	14	12.1	-5.1%	-34.9%	-30.9%	-5.4
94132	17.4	16.6	12.5	?	?	?	--	--	--	-4.9
94116	16.6	13.6	9.7	7.2	10.7	12.2	-56.6%	25.8%	-26.5%	-4.4
94114	16	?	?	?	?	?	--	--	--	--
SF	14.9	14.5	13	11.3	11.5	11.2	-24.2%	-13.8%	-24.8%	-3.7
94122	10	12.2	11.4	9.2	9.2	9.5	-8.0%	-16.7%	-5.0%	-0.5
94121	9	6.2	?	?	6.6	7.8	--	--	-13.3%	-1.2
94131	8.7	9.5	?	?	12.5	15.3	--	--	75.9%	6.6
94109	8.6	7.5	?	?	7.5	?	--	--	--	-1.1
94118, 94129	6.5	7.1	6	6.1	?	5.6	-6.2%	-6.7%	-13.8%	-0.9
94108	?	?	?	?	?	?	--	--	--	--
94123	?	?	?	?	?	?	--	--	--	--
94133	?	?	?	?	?	?	--	--	--	--
94117	?	?	10.9	13.2	13.7	11.5	--	5.5%	--	0.6

Summary

All Ages

- The eastern side of the city continues to have the worst rates, but there have been consistent improvements in the Hayes Valley/Civic Center and Mission/Bernal areas
- Rates in Chinatown and Western Addition increased significantly
- Rates were generally lowest in 2006-2008

Youth

- Pediatric asthma hospitalization rates generally decreased in the zip codes with the highest rates over the 7 year period
- Rates are highest in SOMA, Downtown/Hayes Valley/Civic Center, Treasure Island, Bayview, Western Addition, and Vis Valley
- The aggregation of 94105, 94107, 94111, and 94130 saw no improvement over the 7 years and has the highest rate
- Like for all ages, 94102 and 94110 (Hayes Valley/Civic Center and Mission/Bernal) saw the greatest improvements
- In 94131 (Diamond Heights/Glen Park/Noe Valley area) the rate increased significantly by almost 7 extra hospitalizations per 10,000