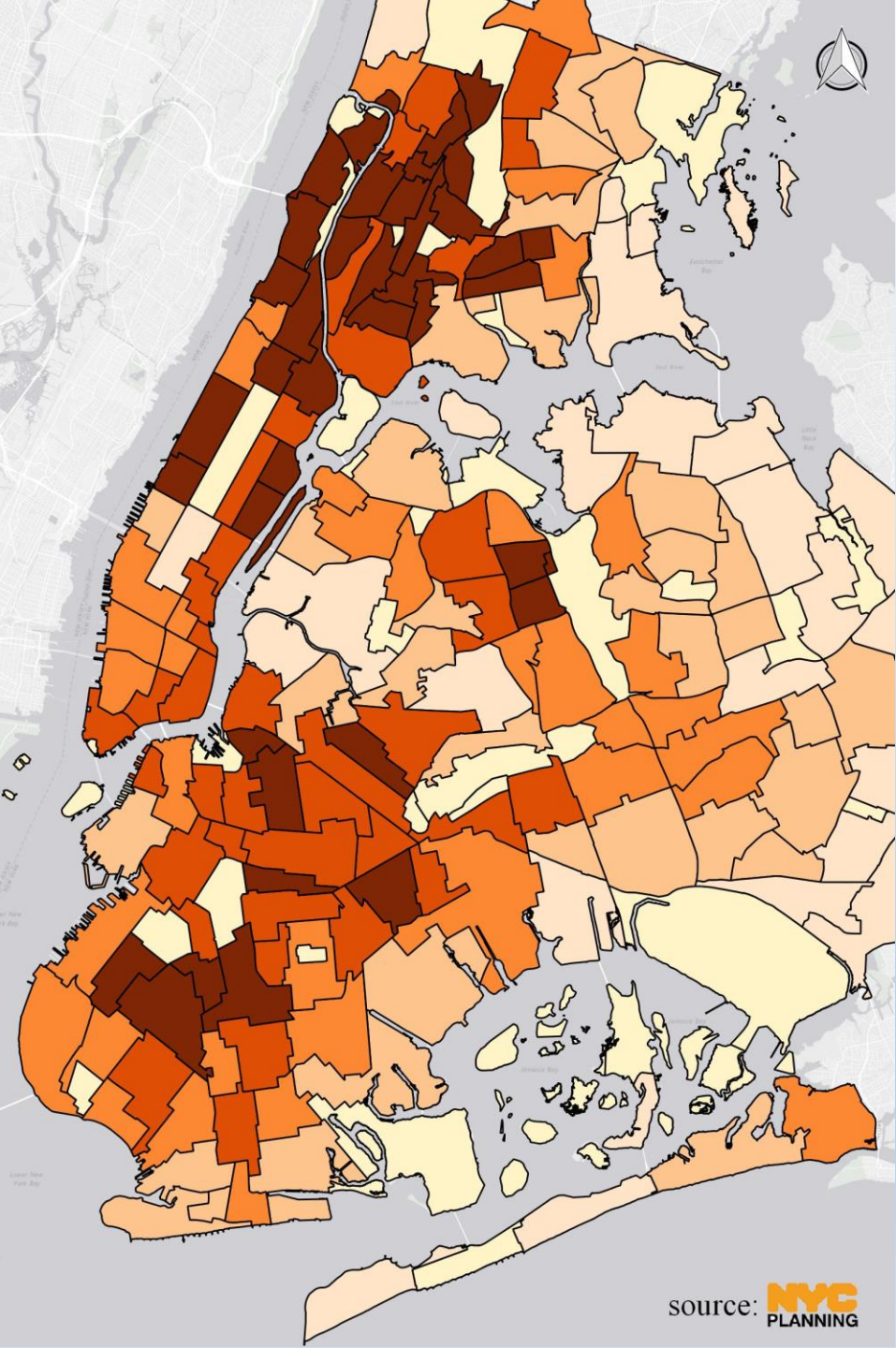
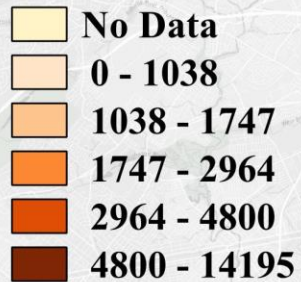


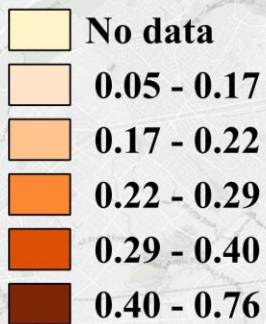
Population Density of Children Under the Age of Five in New York City Neighborhoods

Number of children per square mile

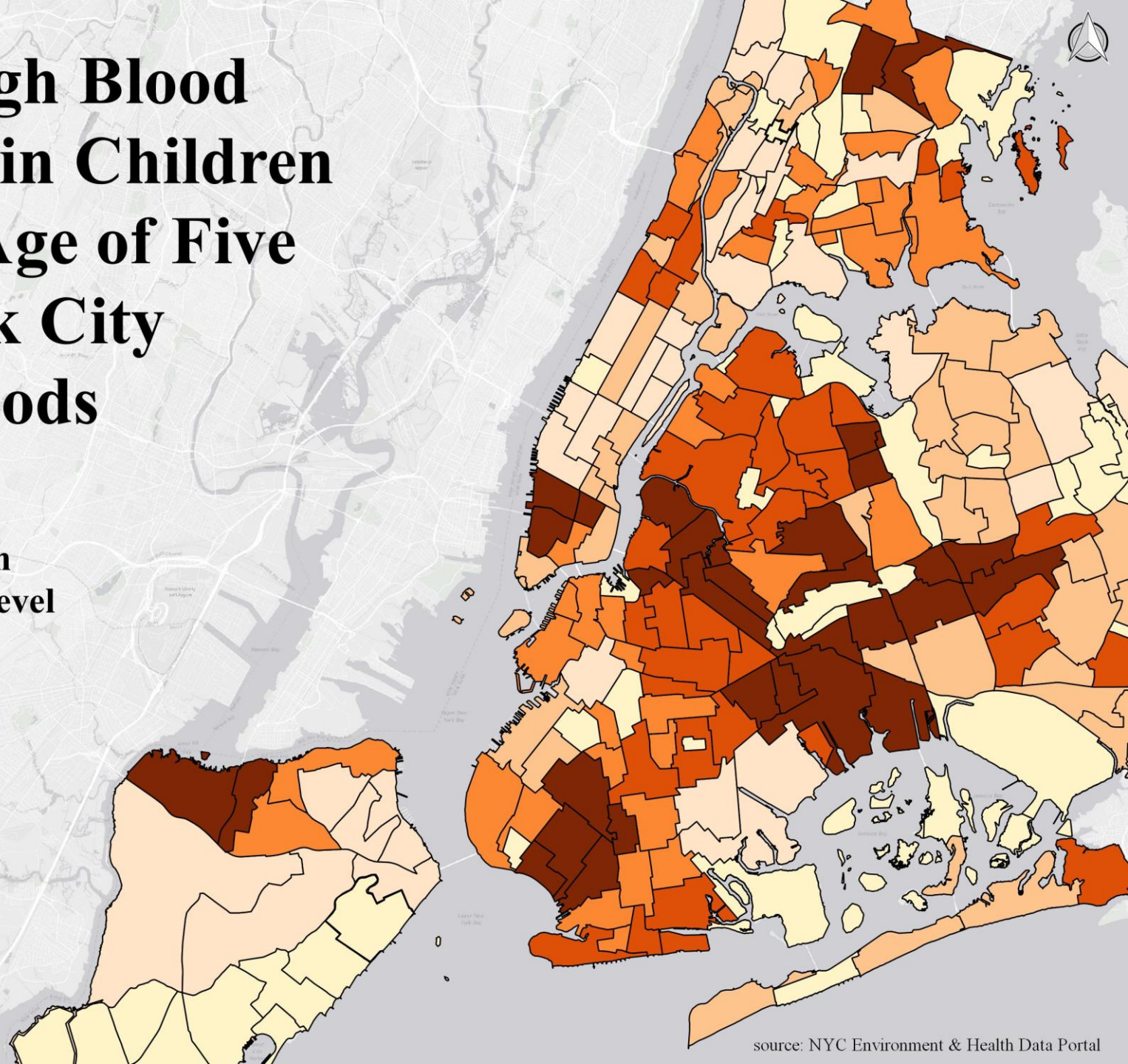


Cases of High Blood Lead Level in Children Under the Age of Five in New York City Neighborhoods

Percentage of children with high blood lead level



0 2.5 5 mi

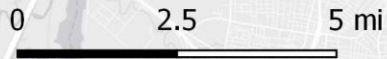




Most Affected Areas

Neighborhoods with over 5000 children under 5 years old per square mile, with over 0.4% confirmed cases of high blood lead level

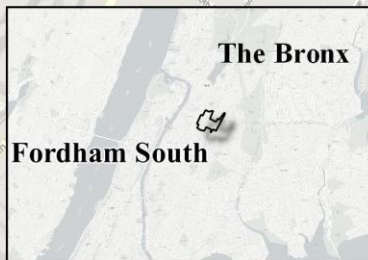
Neighborhood	Children Density	Percentage of Children with High Blood Lead Level
Fordham South	11,725	0.76%
Borough Park	7,503	0.60%
Corona	5,957	0.51%
Williamsburg	14,195	0.47%
Bushwick North	5,502	0.45%
Corona North	7,619	0.44%
NYC average	2,965	0.28%



Sources:
 United States Census Bureau
 NYC Environment & Health Data Portal

Fordham South Neighborhood The Bronx, NYC

- ★ Elementary school / Kindergarten
- Lead water testing kits 311 requests
- Post 1960 buildings
- Pre 1960 buildings

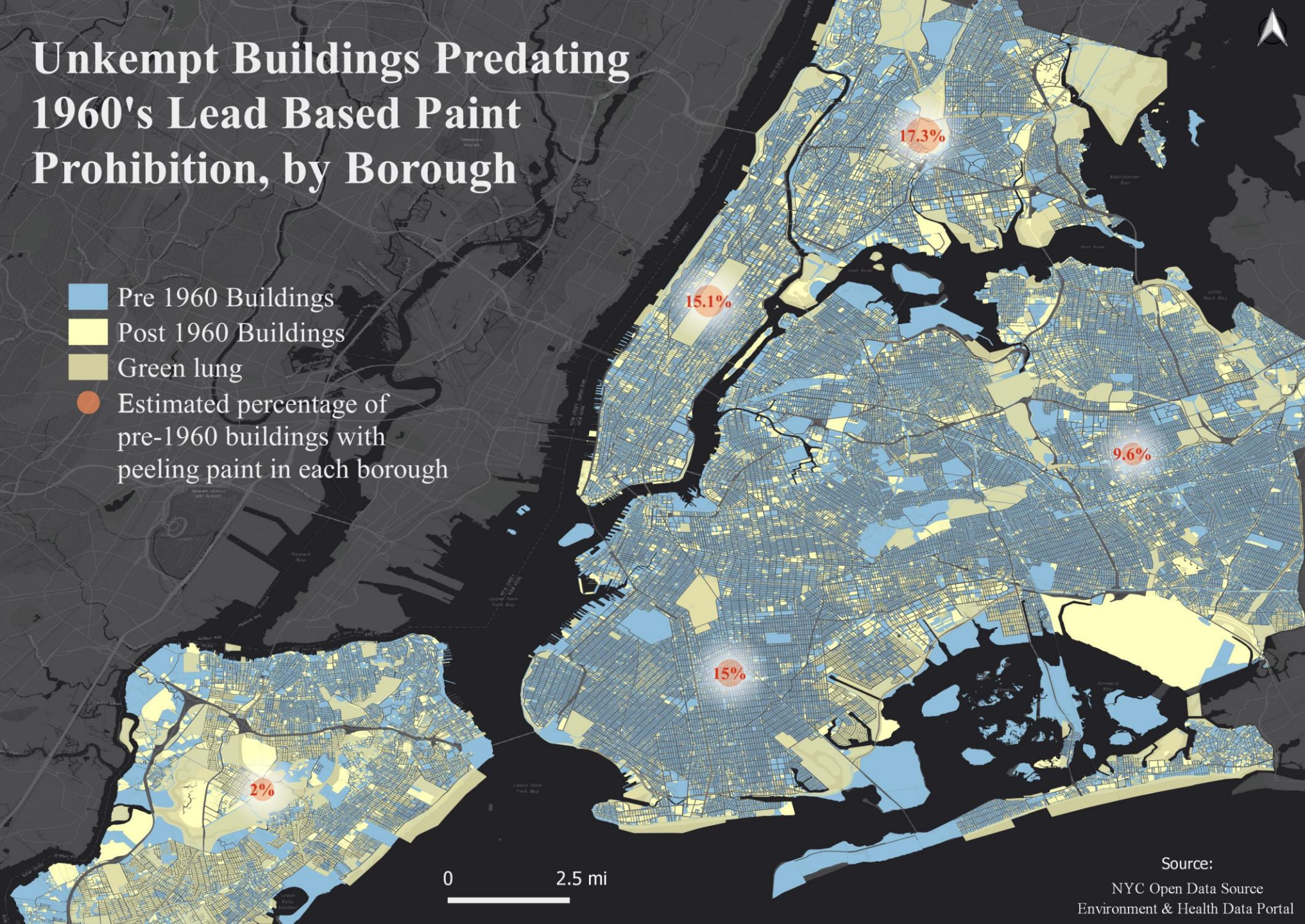


Source:
**NYC
PLANNING**

0 1000 ft

Unkempt Buildings Predating 1960's Lead Based Paint Prohibition, by Borough

- Pre 1960 Buildings
- Post 1960 Buildings
- Green lung
- Estimated percentage of pre-1960 buildings with peeling paint in each borough



Source:

NYC Open Data Source
Environment & Health Data Portal

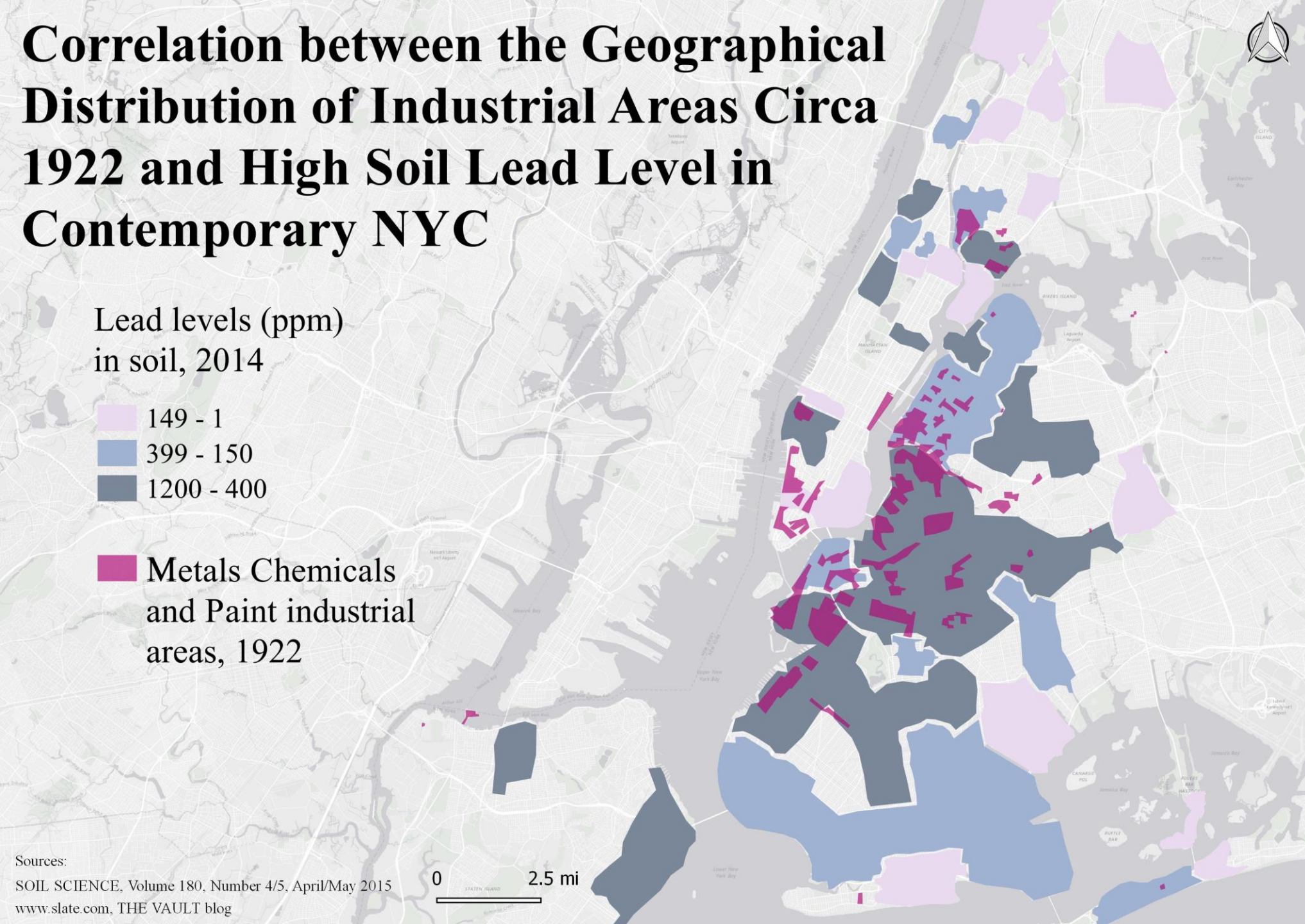


Correlation between the Geographical Distribution of Industrial Areas Circa 1922 and High Soil Lead Level in Contemporary NYC

Lead levels (ppm)
in soil, 2014

- 149 - 1
- 399 - 150
- 1200 - 400

Metals Chemicals
and Paint industrial
areas, 1922

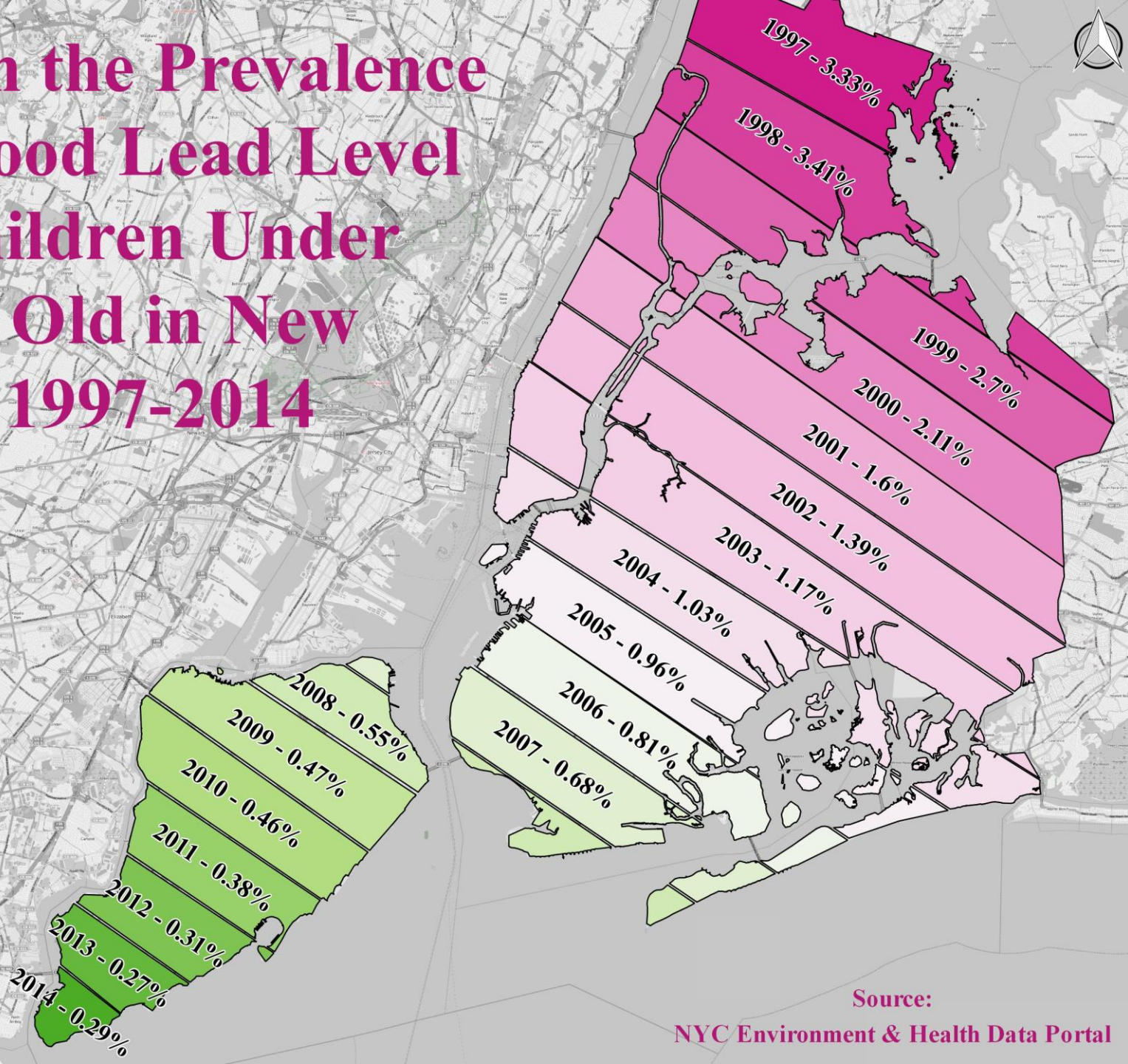


Sources:
SOIL SCIENCE, Volume 180, Number 4/5, April/May 2015
www.slate.com, THE VAULT blog

0 2.5 mi

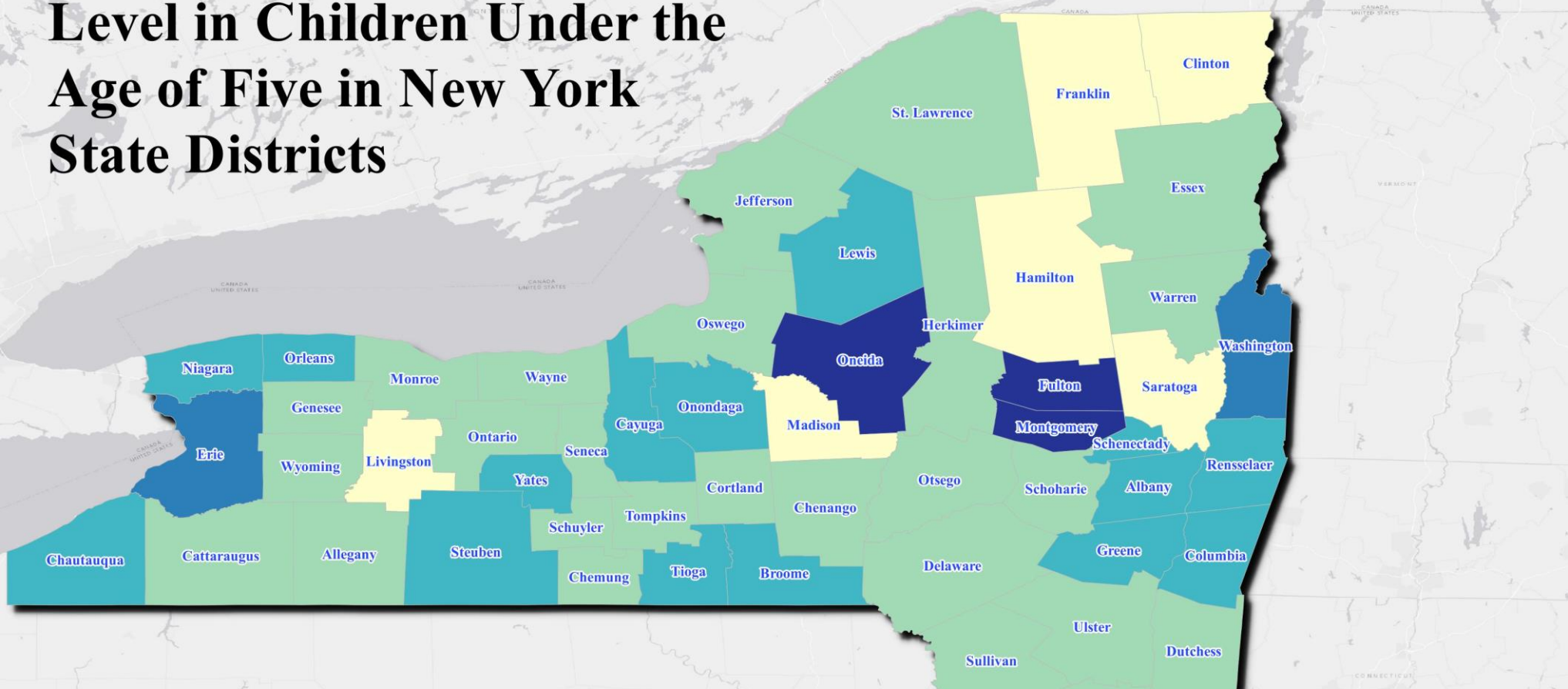
Decrease in the Prevalence of High Blood Lead Level Among Children Under Five Years Old in New York City, 1997-2014

0 2.5 5 mi

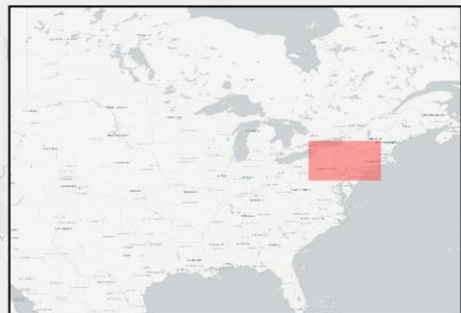
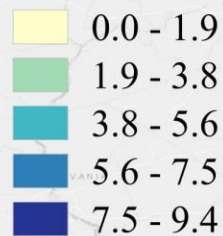


Source:
NYC Environment & Health Data Portal

Cases of High Blood Lead Level in Children Under the Age of Five in New York State Districts



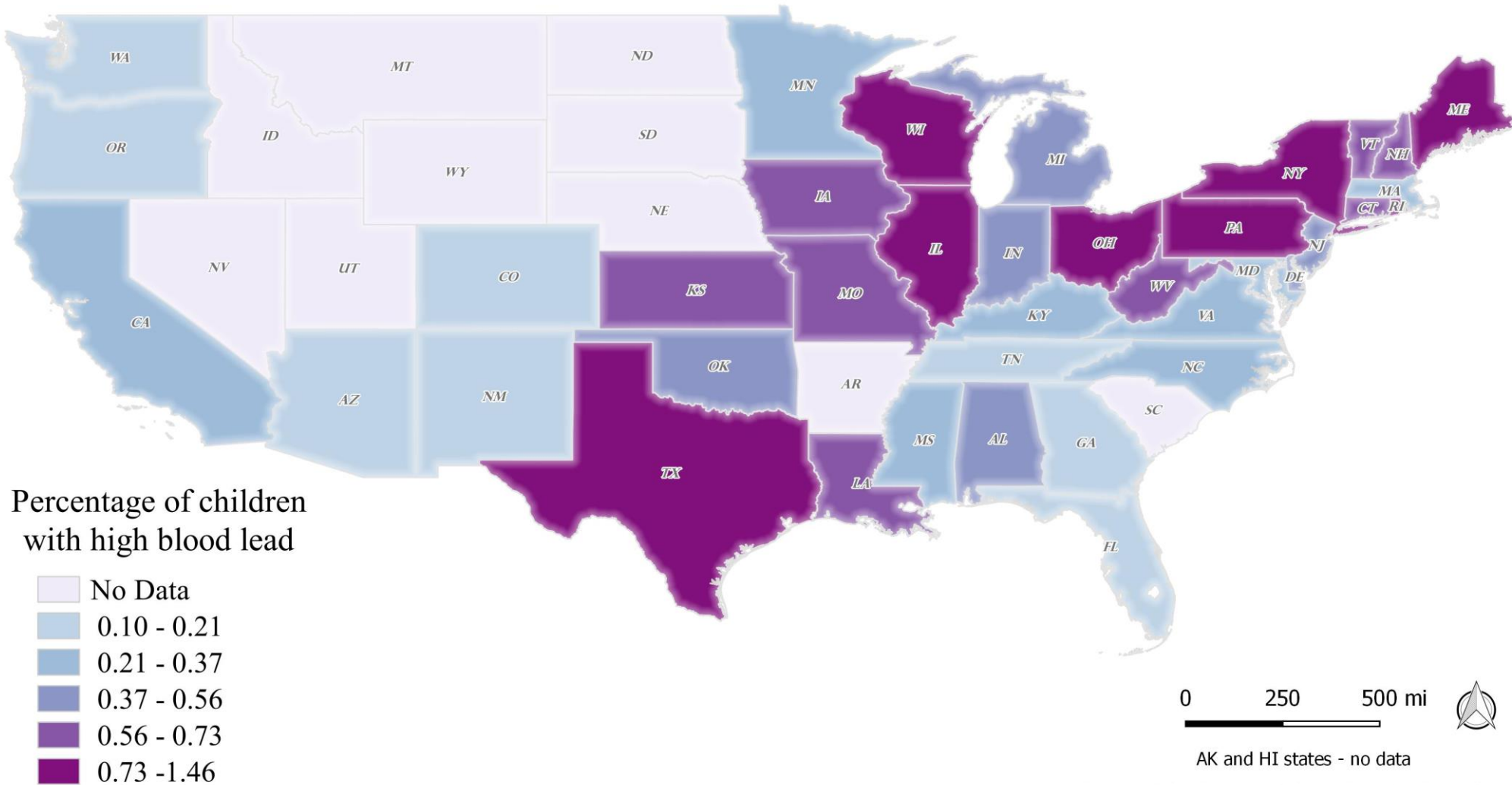
Percentage of children with high blood lead level



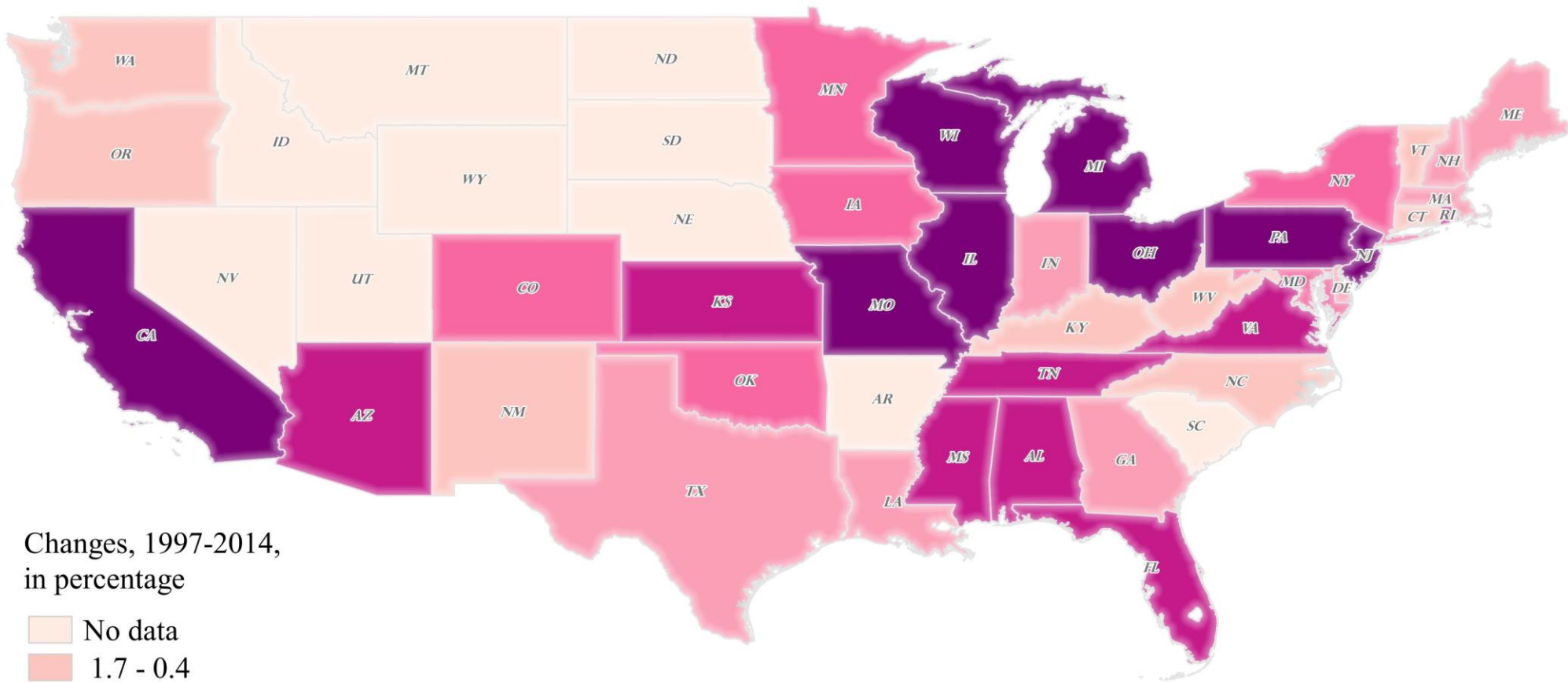
Source:



Cases of High Blood Lead Level in Children Under the Age of Five in the US, 2014



Trends in High Blood Lead Level Incidence among Children, 1997-2014, by State



Changes, 1997-2014,
in percentage

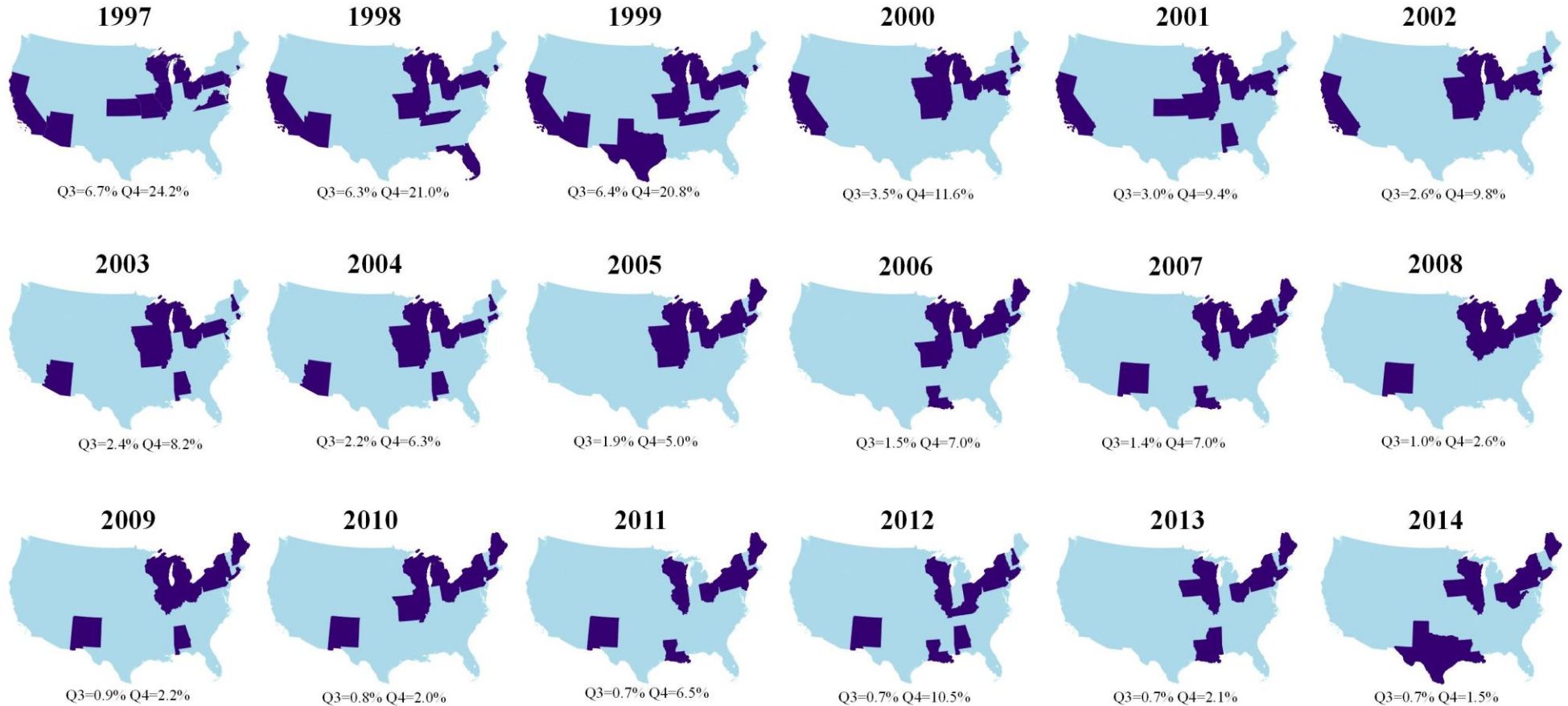
- No data
- 1.7 - 0.4
- 3.0 - 1.7
- 5.7 - 3.0
- 9.4 - 5.7
- 22.9 - 9.4

0 250 500 mi



AK and HI states - no data

Top 25th Percentile States for High Blood Lead Levels among Children, 1997-2014





Decrease in the Prevalence of High Blood Lead Level among Children Under Five Years Old in the US, 1997-2014

Sources:

Year	Number of children tested	Percentage of high blood lead level
1997	1,611,569	7.61%
1998	1,761,674	6.50%
1999	1,875,500	5.03%
2000	2,216,700	3.96%
2001	2,538,008	3.03%
2002	2,652,964	2.56%
2003	3,092,229	2.27%
2004	3,250,848	1.76%
2005	3,529,634	1.53%
2006	4,168,544	1.20%
2007	3,980,954	0.94%
2008	4,310,140	0.72%
2009	4,375,356	0.61%
2010	4,282,565	0.60%
2011	3,899,689	0.56%
2012	2,768,373	0.61%
2013	2,256,230	0.54%
2014	2,477,289	0.53%

