

Tobacco Retailer Density

Christopher Banthin, Esq., Public Health Advocacy Institute

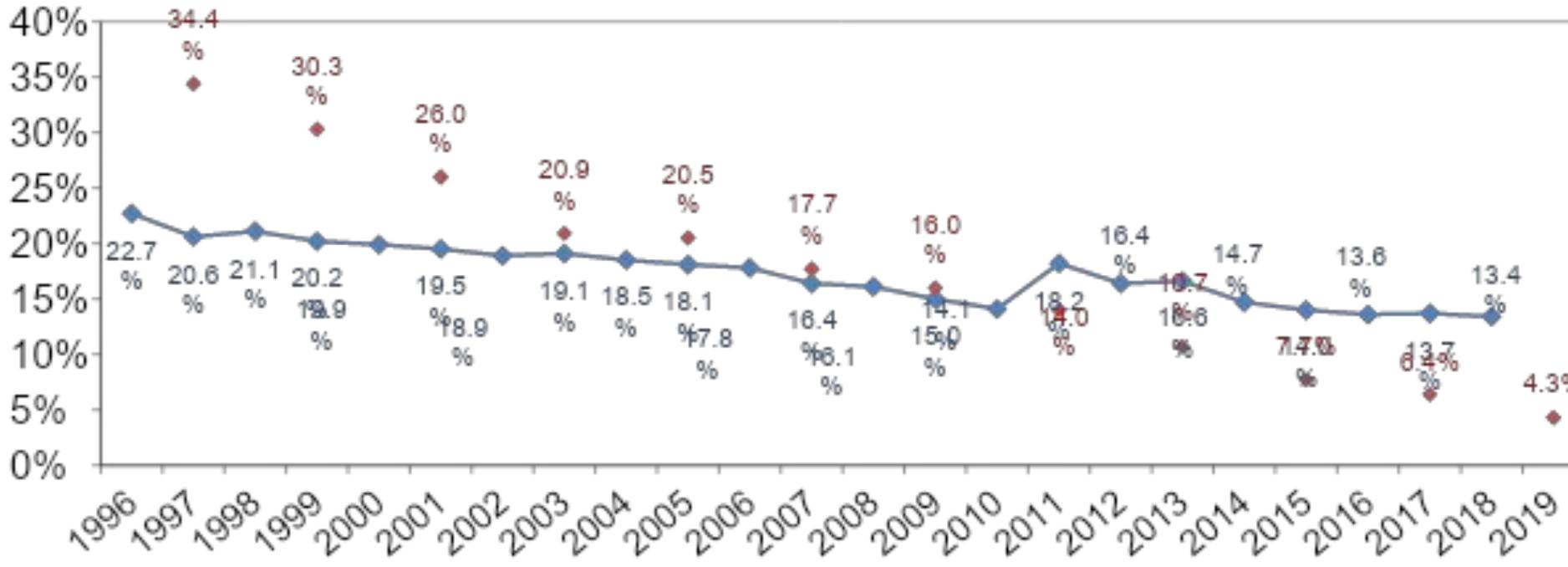
Massachusetts Health Officers Association Conference

October 26, 2022

Male enrolling history.

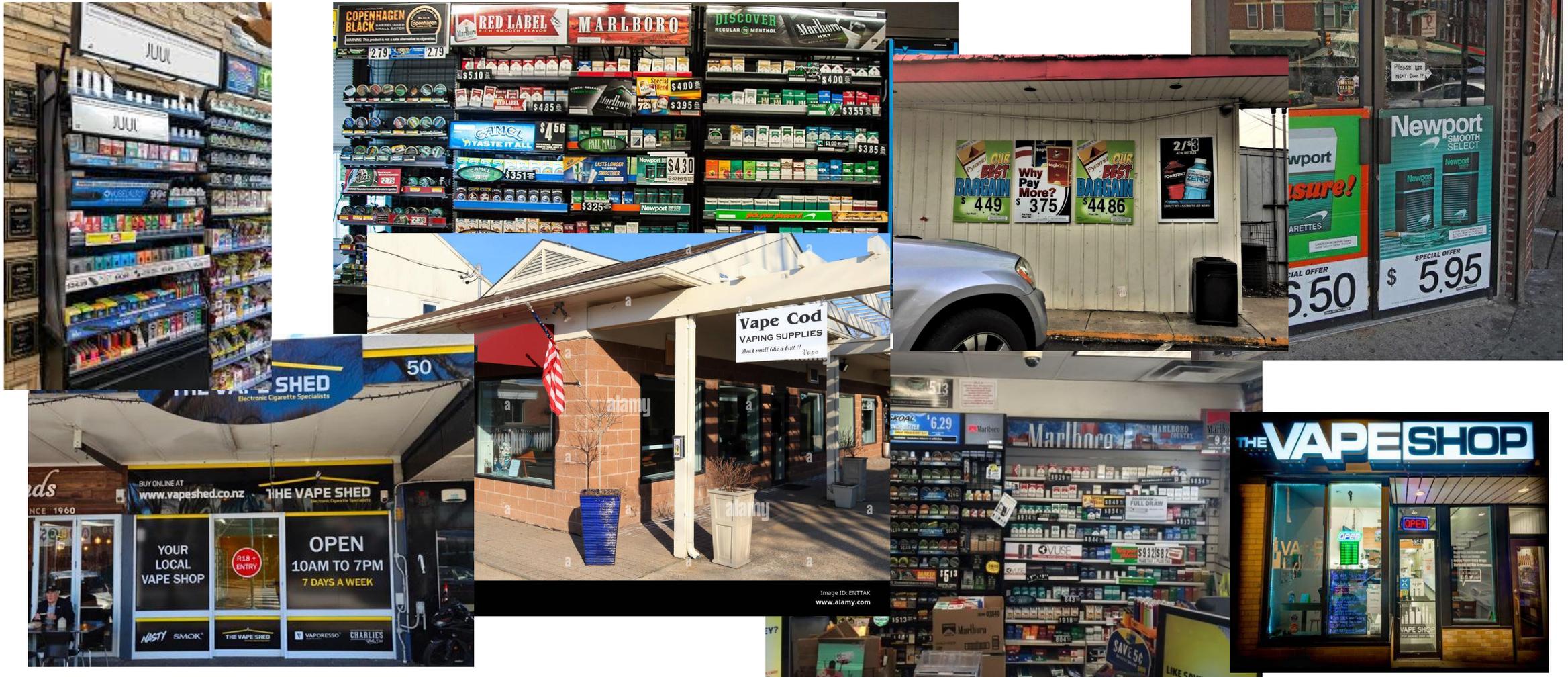


◆ Adult Smoking Rate ◆ Youth Smoking Rate



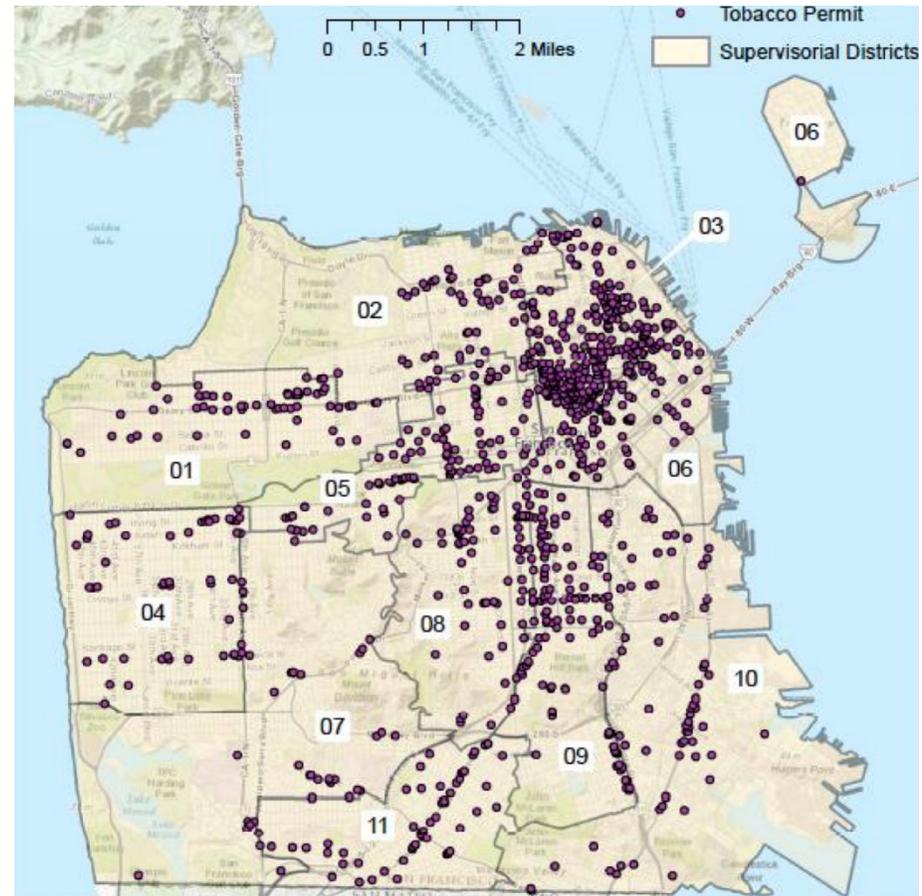
Data Sources: Adult smoking: Behavioral Risk Factor Surveillance System; Youth Smoking 1997-2017: MYRBS; 2019: HS MYHS

Retail Tobacco in Your Neighborhood



High Tobacco Retailer Density Causes:

- Normalizes tobacco use, including vaping
- Primary exposure to tobacco industry advertising
- Makes access easier
- Contributes to social and environmental inequities.
- Makes it harder to quit



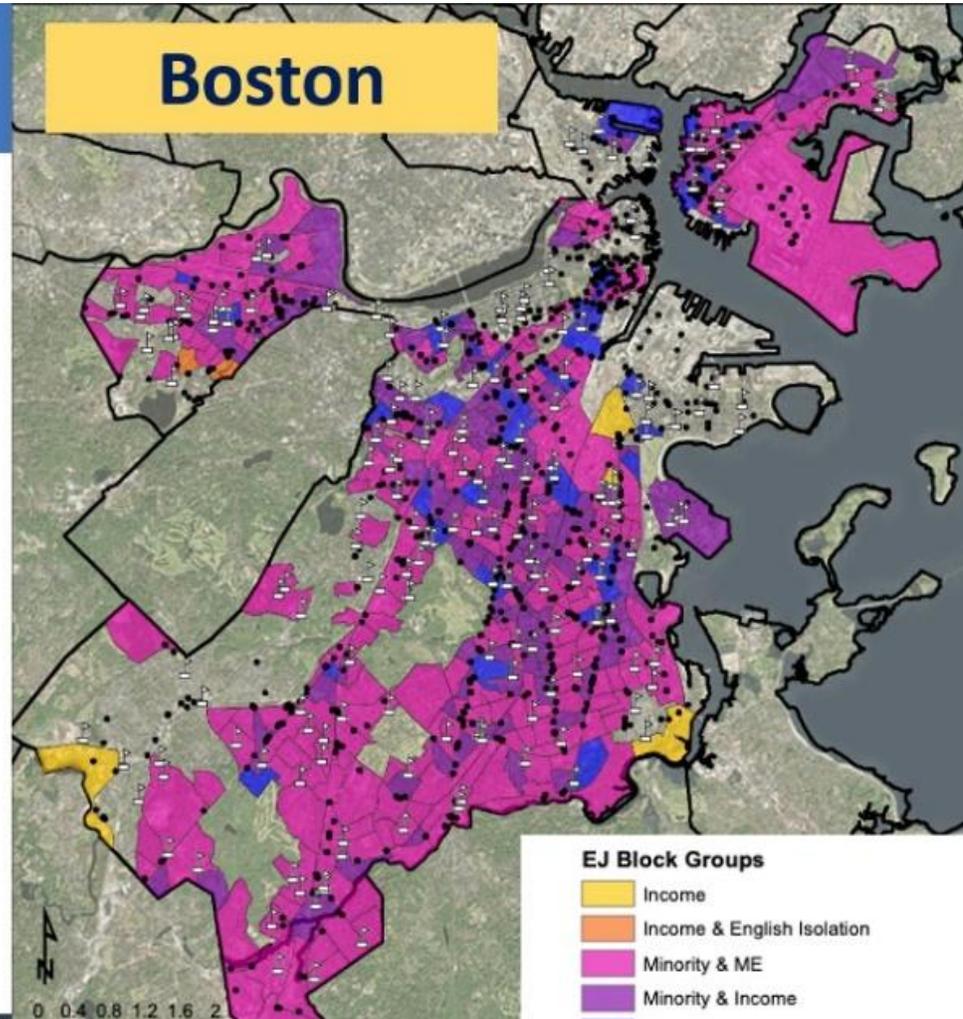
Social and environmental inequities

Inequities in retail density

Environmental justice block groups are classified as block groups that meet any of the following criteria:

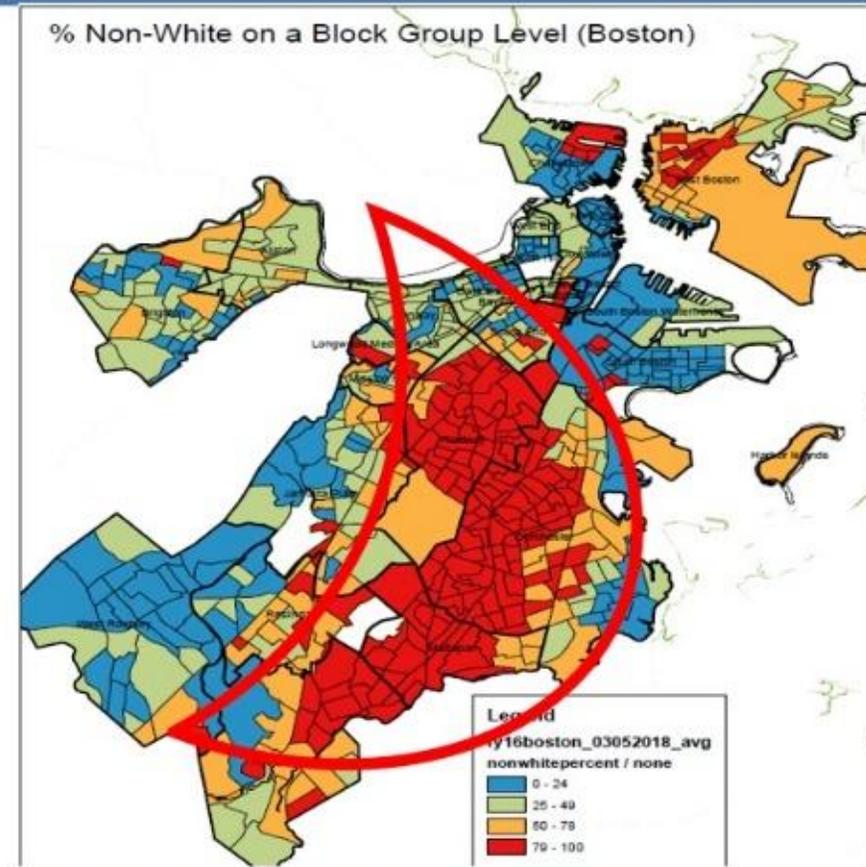
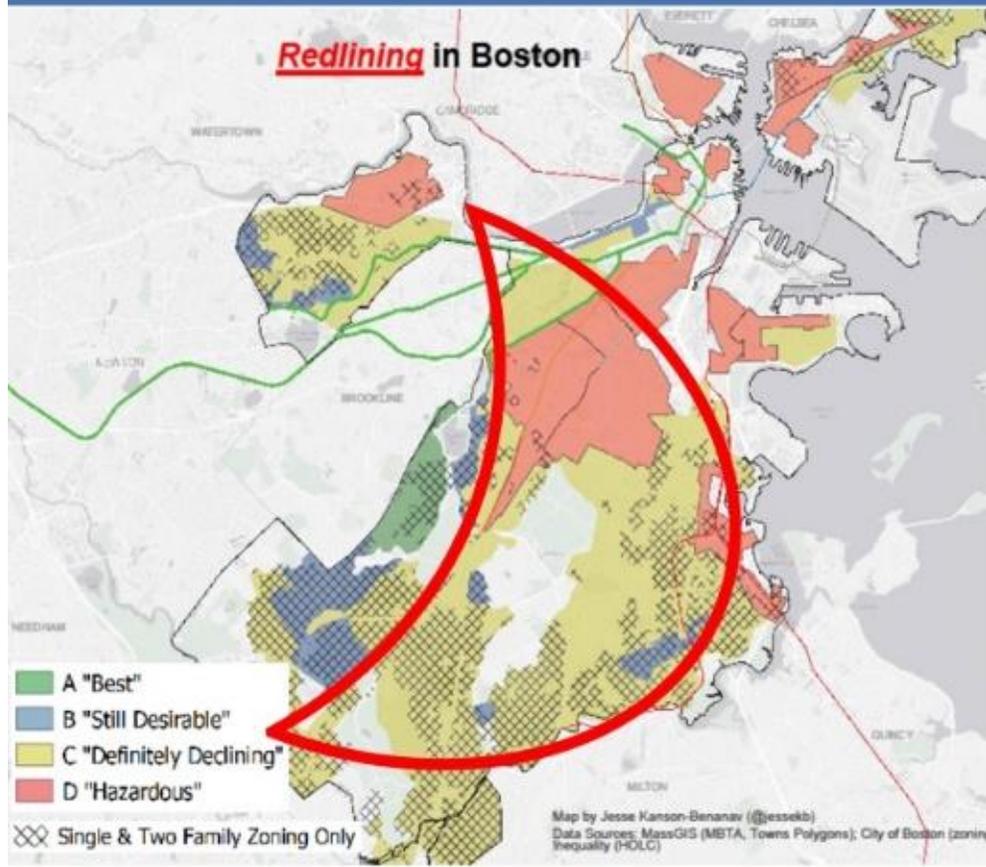
1. 25% or more **minority (M)** populations (people of color)
2. Median household **income (I)** equal to or lower than \$40,673
3. 25% or more **English language isolation (E)** (a household in which no person 14 years old and over speaks English well)

EJ	% of retailer	Retail Density
M	45.2	1.42
M/I	19.0	1.19
M/I/E	11.8	1.65
Non-EJ	15.6	< 1.00

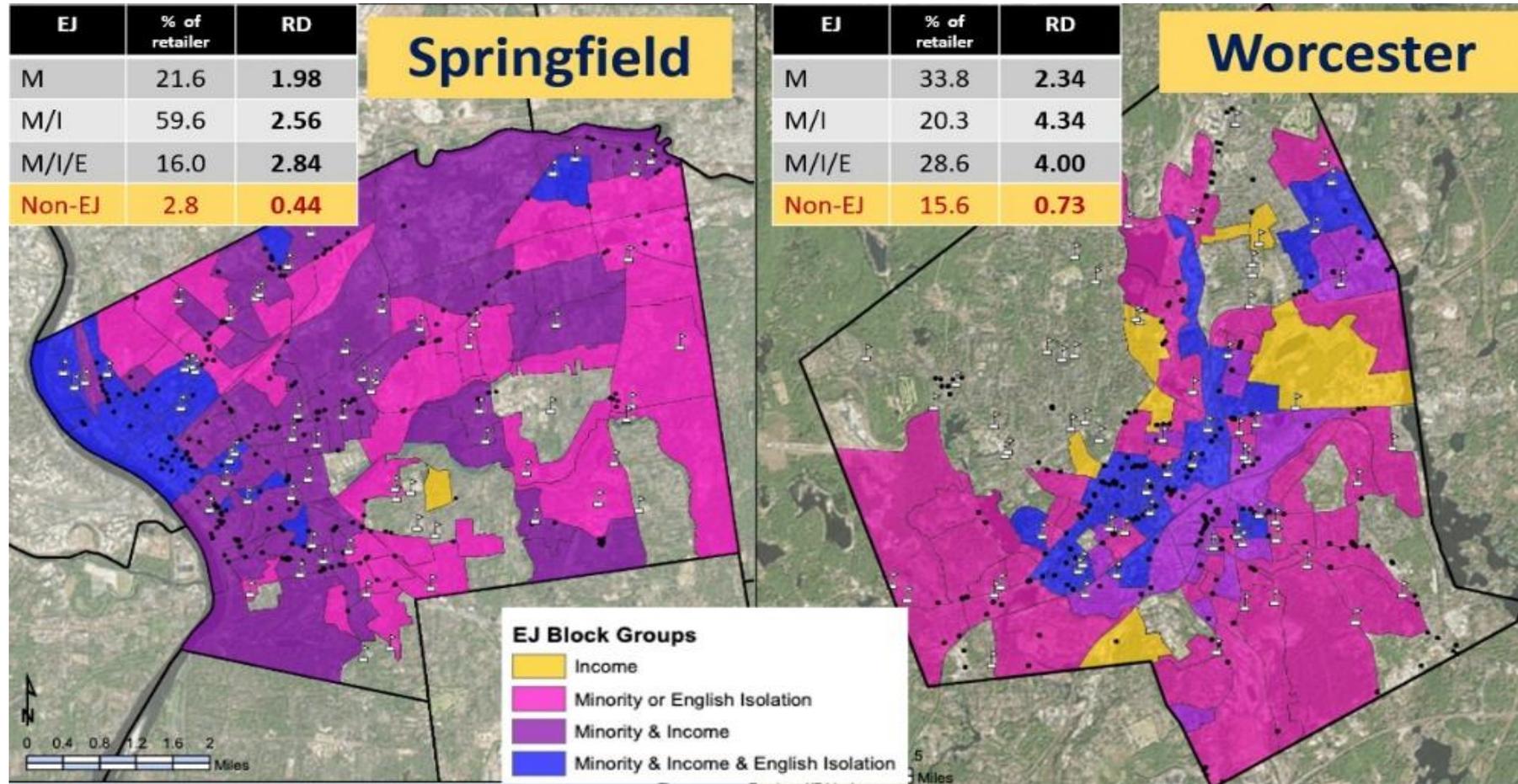


Social and environmental inequities

Historical racist policies, like redlining, have concentrated people of color into communities and neighborhoods where resources have been divested



Social and environmental inequities



Capping

Example Language:

As of the effective date of this regulation, any permit surrendered, revoked or not renewed either because a retailer no longer sells tobacco products, as defined herein, or because a retailer closes the retail business, shall be returned to the [city/town] Board of Health and shall be permanently retired by the Board of Health and the total allowable number of Tobacco Product Sales Permits shall be reduced by the number of the retired permits. [Exception for sale of businesses]

Consult with TA provider

Retail Density

Example Language:

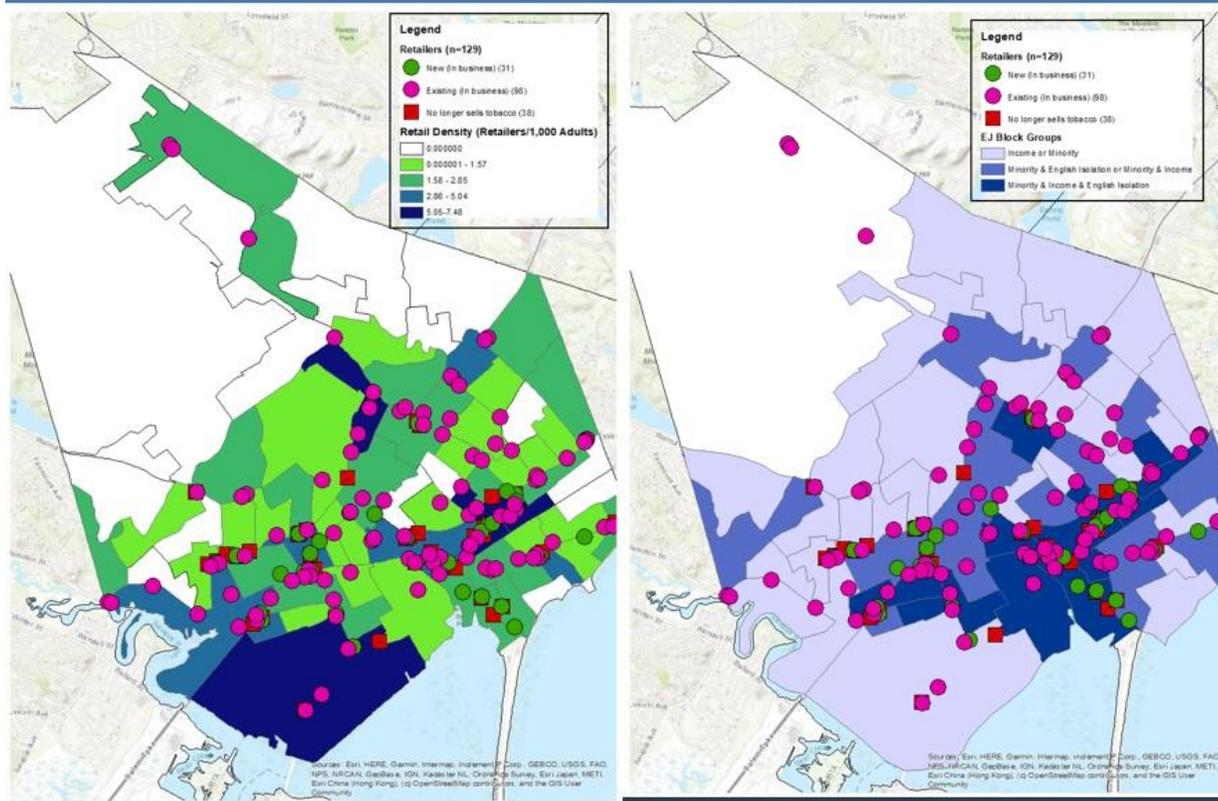
A Tobacco Product Sales Permit shall not be issued to any new applicant for a retail location within five hundred (500) feet of a public or private elementary or secondary school as measured by a straight line from the nearest point of the property line of the school to the nearest point of the property line of the site of the applicant's business premises.

A Tobacco Product Sales Permit shall not be issued to any new applicant for a retail location within five hundred (500) feet of a retailer with a valid Tobacco Product Sales Permit as measured by a straight line from the nearest point of the property line of the retailer with a valid Tobacco Product Sales Permit to the nearest point of the property line of the site of the applicant's business premises.

Consult with TA provider

Capping and Retail Density

Lynn Retail Density, 2021 (post-capping policy)



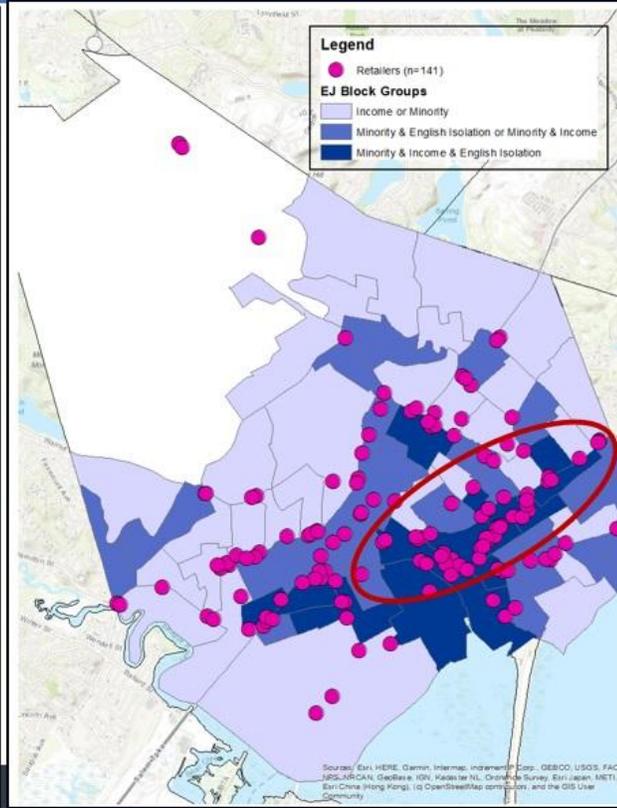
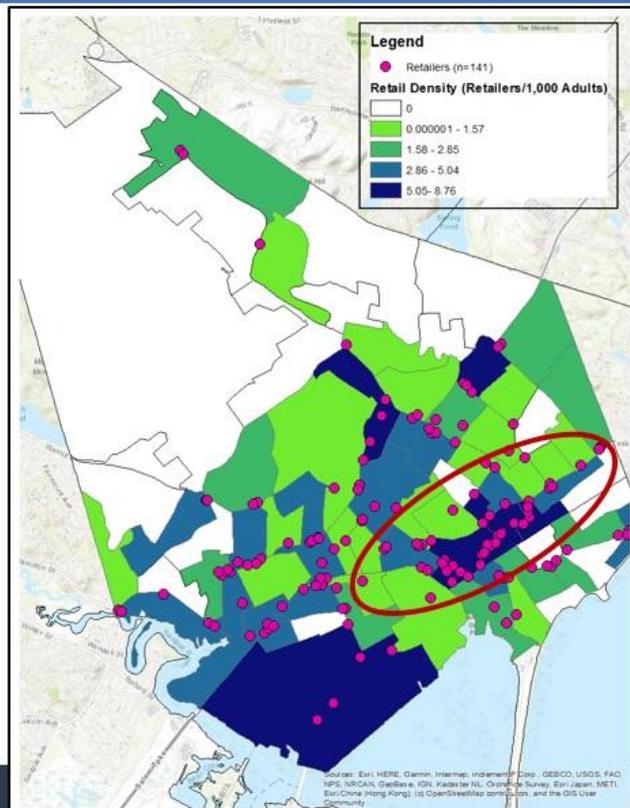
- From 2016 to 2021, retail density decreased in less than half of block groups (44%)
- In 2021, **over 2 in 3 retailers (68%)** are located in block groups with at least 2 EJ indicators.

This has increased from 2016

EJ	# of Retailers	RD	Change
M or I	37	1.31	-0.29
M/E or M/I	40	1.73	-0.09
M/I/E	48	3.36	-0.51
Non-EJ	4	0.78	+0.02

Capping and Retail Density

Lynn Retail Density, August 2016 (pre-capping policy)



In 2016, **almost 2 and out 3 retailers (65%)** were located in block groups with at least 2 EJ indicators

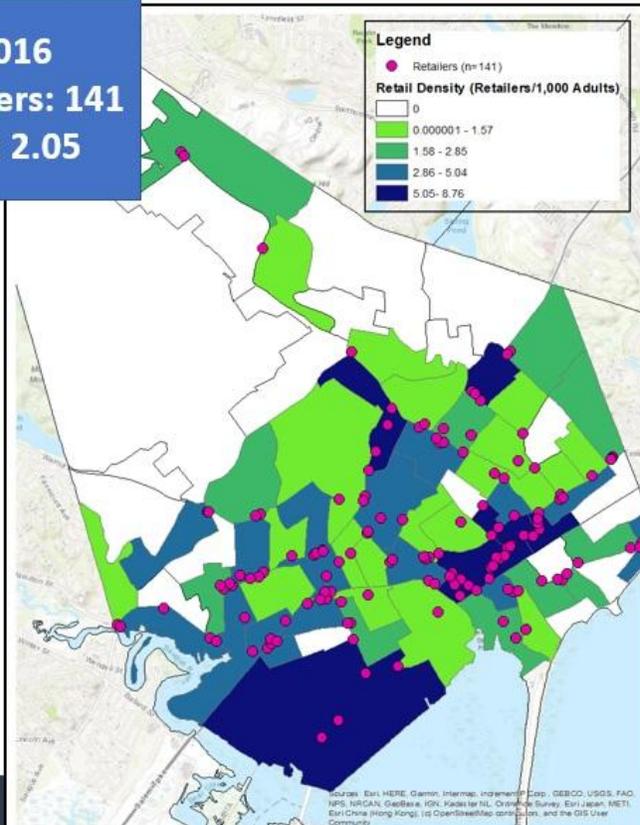
EJ	# Retailers	RD
M or I	45	1.60
M/E or M/I	31	1.82
M/I/E	53	3.87
Non-EJ	4	0.76

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox, and the GIS User Community

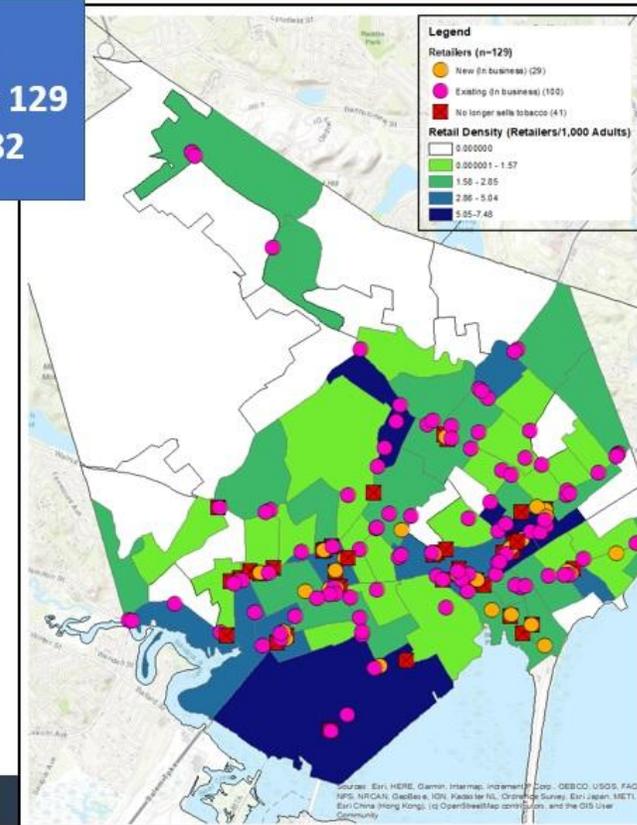
Capping and Retail Density

A capping policy was implemented in Lynn on August 1st, 2017
From August 2016 to September 2021, retail density decreased by 11%

2016
Retailers: 141
RD: 2.05



2021
Retailers: 129
RD: 1.82



Tobacco Retailer Density

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