

Tobacco control law implementation: Improving retailer compliance with tobacco control policies - tools and experiences from North America

30 October 2025



The Tobacco Retail Environment and Why it Matters for Health & Health Equity

Mollie Mayfield, MPH | October 30, 2025

Setting the stage

- What does the retail environment look like in the United States and why?
- Why does the retail environment matters?
- What are the key policy levers for reducing the it's influence on commercial tobacco use?



What is the retail environment or "point of sale"?







Reasons why the point of sale matters



Industry marketing spending





Youth tobacco use initiation





Quit attempts more difficult





Disparities at the point of sale



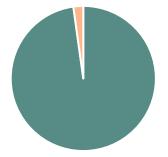
Tobacco industry marketing 2022 expenditures in the USA

\$8.3 Billion

Spent in 2022 on cigarettes and smokeless tobacco marketing at the point of sale

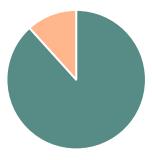
97.8%

Spent in 2022 on cigarette marketing at the point of sale



88.3%

Spent in 2022 on smokeless tobacco marketing at the point of sale





What are they spending on?

\$8.2 Billion /yr

Price discounts and promotional allowances paid to retailers



\$51.4 Million /yr

Point-of-sale advertisements: signs, displays, shelving units, functional items



\$119.4 Million
/yr
Coupons

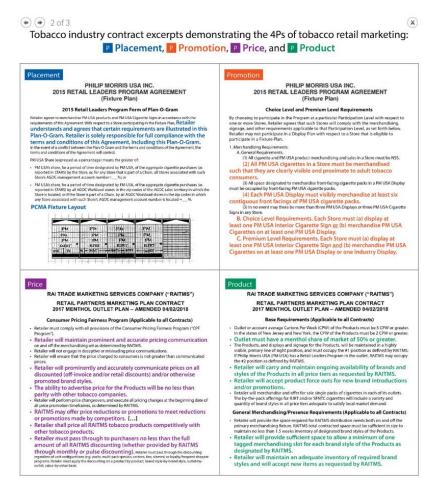




Tobacco retailer contracts

Tobacco companies dictate through contracts with retailers:

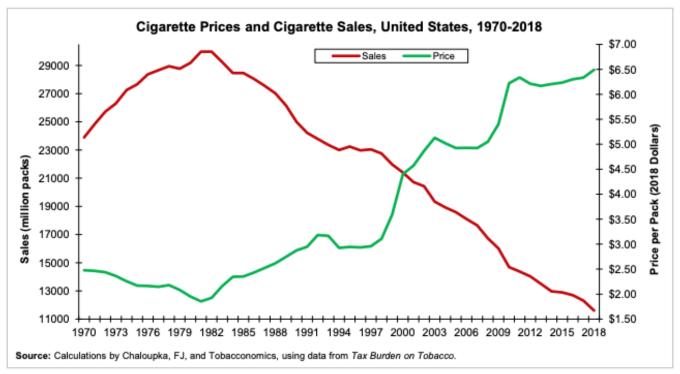
- Placement: "Plan-O-Grams" dictate how and where tobacco products must be displayed
- Pricing: Dictate pricing and discounts offered
- Product: Requirements for product inventory (eg. 50% share of menthol...)
- Promotion: Require retailers to display tobacco advertisements





Reimold AE, Lee JGL, Ribisl KM. Tobacco company agreements with tobacco retailers for price discounts and prime placement of products and advertising: a scoping review. *Tobacco Control* Published Online First: 24 January 2022.

Cheap and visible









There are over 375,000+ retailers across the United States





Tobacco retailer proximity to schools



Tobacco retailer density is not evenly spread across the US

- Tobacco retailer density higher in neighborhoods with a higher percentage of:
 - Households with low income
 - Vacant housing units
 - Black residents
 - Hispanic residents
 - Asian residents
 - Same-sex households



Tobacco retailer density as a driver of disparity





Reducing access and exposure





Raising the age of sale: Tobacco 21

- 95% of people of smoke started before age 21
- Raising the age of sale will reduce youth initiation
- The federal age of sale was raised to 21 in 2019 but...
 - 7 states have not raised the age to match the federal age, limiting enforcement
 - Many existing statewide age of sale laws have weak enforcement provisions
 - Some state and local laws focus on purchase, use, and/or possession rather than sales

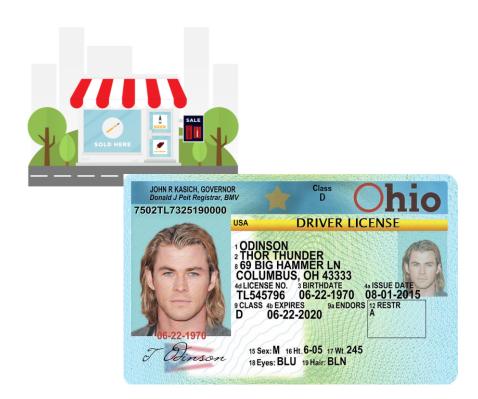




Tobacco retailer licensing (TRL)

TRL requires every store that wants to sell tobacco to obtain an annual license for an annual fee. Strong policies provide:

- A better list of who is selling tobacco and where
- Youth protection: TRL can reduce sales to minors, youth initiation, and youth use of cigarettes and ecigarettes
- <u>Comprehensive enforcement:</u> visits to every retailer every year to check for compliance
- Meaningful penalties: license suspension and revocation
- A versatile <u>regulatory platform</u>. Other tobacco control policies can be enforced through licensing





Point-of-sale policy options: the 4 Ps



Point of sale retailer compliance challenges

- Age of sale: not all states have raised the legal age of sale to match the federal age of 21, leaving gaps in state enforcement authority and confusion among retailers
- **Evolving product landscape:** Tobacco control laws and regulation struggle to keep pace with tobacco industry innovation with products, flavors, etc.
- **Licensing**: not all states have retail licensing, or do not have a high enough fee to cover comprehensive enforcement, leading to a <u>lack of inspection coverage</u> for all retailers each year
- **Preemption:** Localities in some states do not have the authority to pass their own local retail policies and must rely on state and federal policies and enforcement
- **Industry influence:** Retailers get messages from the tobacco industry about the importance of tobacco to their bottom line, while being beholden to the tobacco companies through contracts
- **Equitable enforcement**: Ensuring all communities are well protected and businesses and industry actors are held accountable rather than youth other individuals.



Thank you



CounterTools.Org

CounterTobacco.Org

mollie@countertools.Org

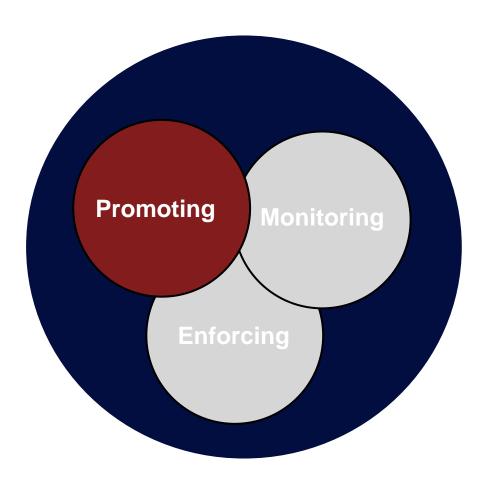


Strategies to Build Tobacco Compliance & Enforcement





Compliance Building





Promoting: Education Materials



It is illegal for a retailer to sell any tobacco product—including e-cigarettes—to anyone under 21. The federal minimum age of sales of tobacco products applies to all retail establishments and persons with no exceptions.

Additional Tobacco 21 Requirements
Beginning September 30, 2024, retailers must



Tobacco 21

Not sell tobacca products via venmachine in facilities where indiviunder 21 are present or permitteenter at any time.



Not sell cigarettes or smokeless tobocco via self-service displays in facilities where individuals under 21 are present or permitted to enter at

FDA Resources to Assist Retailers



FDA's "This is Our Watch" gregram materials include a mix of educational materials for retail stan to inform customers at the law and Age Verification Tools FDA has resources to help retailers quickly determine it a customer is old enough to



COLD States for



For the latest information, please visit FDA's Tobacco 21 webpage.

CENTER FOR TORACCO PRODU



What should you do if you receive a Warning Letter?

- · Review the letter carefully to see what charges are listed.
- Respond to the Warning Letter within 15 working days, in writing, by mail or email.
 Include the following in your response to the Warning Letter:
 - An explanation of the steps you will take to correct the violation(s) and prevent future violations (for example, retrain your employees, remove the problematic items, etc.); and
 - Your current contact information including telephone number and email address.
- Promptly and adequately correct the violations listed and be sure that you comply with all applicable laws and regulations.
- If you have any questions about warning letters, contact the Center for Tobacco
 Products at 1-877-CTP-1373 or via email to the address listed in your warning letter:

Undercover Buy Inspections

*Retailer unaware inspection is taking place. Minor and inspector will not identify themselves.

Trained minor, working with commissioned PDA important, attempts to purchase regulated tobacca product

Notice of Compilance Check inspection sent to FDA

FDA performs initial review

Notice of Compilance Check inspection in Retailer informing them that there was a potential youldation for sale to a minor you have a potential youldation for sale to a minor you have a potential youldation for sale to a minor you have a potential youldation for sale to a minor you have a potential youldation for sale to a minor you have a potential youldation for sale to a minor you have a potential youldation for sale to a minor you have a potential youldation for sale to a minor you have a potential youldation for sale to a minor you have to the your form you have yo



Promoting: Training









Promoting: Public Database





Promoting: Public Communications

FDA Warns 80 Retailers for Selling Unauthorized E-Cigarettes

The Food and Drug Administration issued warning letters to 80 brick-and-mortar retailers in 15 different states for the sale of unauthorized Elf Bar and Lost...

Jul 25, 2024

FDA Takes Action Against Unauthorized E-Cigarettes Promoted at Industry Trade Show

The FDA also announced the issuance of warning letters to five online retailers for selling unauthorized e-cigarette products popular with youth...

Sep 13, 2024

FDA Warns Firms Selling E-Cigs Resembling Products With Smart Tech

FDA issued warning letters to nine online retailers and one manufacturer for selling and/or distributing unauthorized disposable...

Oct 30, 2024

Retailers Warned to Stop Selling Illegal Youth-Appealing E-Cigarettes

FDA issued warning letters to seven online retailers for selling unauthorized e-cigarettes packaged to look like youth-appealing toys and...

Nov 16, 2023

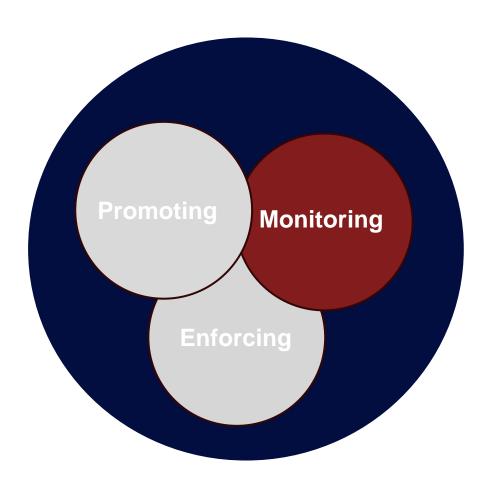
FDA warns retailers to stop selling illegal e-cigarettes that appeal to youth

The Federal Drug Administration issued 15 warning letters Wednesday, Aug. 23 to retailers for selling illegal e-cigarettes packaged for youth.

Aug 29, 2023



Compliance Building





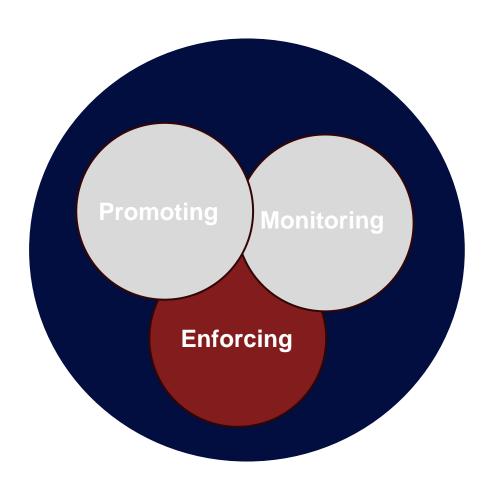
Monitoring



- FDA issues contracts to assist with compliance check inspections of retail establishments.
- Inspections of retailers are conducted to determine compliance with federal law.
- During undercover buy inspections, the retailer is unaware an inspection is taking place.



Compliance Building





Enforcing



Manufacturer



Importer



Distributor



Retailer



Thank You!

partnerships@tobaccofreekids.org







@Campaign for Tobacco Free Kids



@Campaign for Tobacco Free Kids









Developing an Evidence-Based Tobacco Retailer eLearning

Program

Executive Director, ASH Canada Vital Strategies Webinar, October 30, 2025



Youth access to tobacco and vaping products



- » Restricting youth access to tobacco is associated with declines in youth tobacco use.
- » Retail compliance with tobacco access legislation remains problematic.
- » Youth report relatively easy access to tobacco and vaping products in retail locations.
- » Tobacco retailer education is **one of three key elements** to reduce youth access





Recommendations for Preventing Tobacco Use Among Youth^{9,34}

- Increase the unit price of tobacco products.
- Conduct mass-media education campaigns in combination with other community interventions.
- Mobilize the community to restrict minors' access to tobacco products in combination with additional interventions (stronger local laws directed at retailers, active enforcement of retailer sales laws, and retailer education with reinforcement).





The US SimSmoke tobacco control policy model of smokeless tobacco and cigarette use

Levy et al. BMC Public Health (2018) 18:696

Table 1 Policy Inputs for Cigarette and Smokeless Tobacco in SimSmoke Simulation Model (Continued)

| Policy | Description | Cigarette Effect Size ^a | Smokeless Tobacco Effect Size ^b |
|---|--|---|---|
| Subsidization pharmacotherapy | Payments to cover pharmacotherapy and behavioral cessation treatment | -2.25% prevalence, + 12% cessation ^d | Half |
| Brief health care provider interventions | Advice by health care provider to quit and methods provided | -1% prevalence, +8% cessation ^d | Half |
| All of the above | Complete availability and reimbursement of pharmaco- and behavioral treatments, quitines, and brief interventions | -5.2% prevalence, +43% cessation ^d | Half |
| Youth Access Restrictions [75] | | | |
| Strongly enforced | Compliance checks are conducted 4 times per year per outlet, penalties are potent and enforced with heavy publicity | -16% initiation and prevalence for ages 16–17 and – 24% ages < 16° | Half |
| Well enforced | Compliance checks are conducted regularly, penalties are potent, and publicity and merchant training are included | – 8% initiation and prevalence for ages 16–17 and – 12% ages < 16 ^d | Half |
| Law enforcement | Compliance checks are conducted sporadically, penalties are weak | -2% initiation and prevalence for ages 16-17 and - 3% ages < 16 ^d | Half |
| Vending machine restrictions | Total ban | Enforcement effects increase by 816 ⁸ | Half |
| Self-service restrictions | Total ban | Enforcement effects increase by 4% ^d | Half |
| Publicity | Media campaigns directed at youth use | Enforcement effects increase by 10% ^d | Half |

^{*} Unless otherwise indicated, the effects are in terms of the reduction in prevalence during the first year, the reduction in initiation, and increase in first year quit rates during the years that the policy is in effect

^b Effect sizes are relative to cigarette effect sizes and applied to exclusive cigarette use only unless otherwise indicated

⁴ Elasticities translate into effect sizes through percentage change in price

d Effect size differs for exclusive SLT and for dual use

Impact of restrictions on youth access Levy et al.

Youth Access Restrictions [75]

Strongly enforced

Well enforced

Compliance checks are conducted 4 times per year per outlet, penalties are potent and enforced with heavy publicity

Compliance checks are conducted regularly, penalties are potent, and publicity and merchant training are included -16% initiation and prevalence for ages 16-17 and -24% ages < 16^d

 8% initiation and prevalence for ages 16–17 and – 12% ages < 16^d

Attributes of eLearning

- » Accessibility: Learners can access content anytime.
- » Flexibility: Supports self-paced learning.
- » Scalability: Can reach large audiences.
- » Interactivity: Strong learner engagement.
- » Multimedia: Combines text, audio, video, and animations for richer learning experiences.
- » Cost-effectiveness: No training staff required.
- » Mobile Compatibility: Smartphones, tablets, etc.



TRAC™ training history

- »Alberta government passed legislation in 2013 mandating tobacco retailer training
- »Alberta Health provided grant funding to ASH in 2019 to develop a new online training program
- »TRAC program finalized and pilot tested in 2019/2020
- »Initial evaluation completed in spring 2020



Project objectives

- 1. Develop an online tobacco vendor training program for pilot testing.
- 2. Pilot test the program among a reliable sample of tobacco retailers.
- 3. Evaluate the program's usability and impact on users' knowledge.



Program development

- »Exhaustive search of online training programs for agesensitive products.
- »Reviewed published literature regarding retailer education programs.
- »Identified major compliance factors.
- »Adapted FDA retail training best practices.
- »Reviewed provincial/national legislative requirements.



FDA Retailer Training Guidance

- » Review applicable laws and penalties
- » Describe the health effects of youth tobacco use
- » Provide written company policies
- » Review age verification techniques
- » Describe all regulated tobacco products
- » Refusing illegal sales
- » Test staff regularly

Tobacco Retailer Training Programs (Revised) * Guidance for Industry

Comments may be submitted at any time for Agency consideration. Electronic comments may be submitted to http://www.resoulations.sov. Alternatively colonic technic comments to the Comments may be submitted at any time for Agency consideration. Electronic comments may be submitted to http://www.eguilations.gov. Alternatively, submit written comments may Davision of Dockets Management (HFA-305), Food and Drug Administration. 5630 Fishers FDA-2010.D.0350.

All comments should be identified with Docket No.

For questions regarding this guidance, contact the Center for Tobacco Products at (Tel) 1-877.

One of the Contact of Tobacco Products at (Tel) 1-877.

Additional copies are available online at imp//www.fda.gov/TobaccoProducts/Labeling/RulesRegulations/Gurdance/default.htm You may send an e-mail request to SmallFiz Tobacco@fda.hhs.gov to receive an electronic copy of http://www.fda.gov/TobaccoProducts/Labe img/Rules/Regulations/Gurdance/default.htm You may send an e-mail request to SmallEiz/Tobacco@fda.hts.gov to receive an electronic copy of gurdance. You may send a request for hard copies to U.S. Food and Drug Administration, Control for Tobacco Products. Ann. Office of Small Business Assistance. Document Control this guidance. You may send a request for hard copies to U.S. Food and Drug Administration.

Center for Tobacco Products, Ann. Office of Small Business Assistance, Document Control

Cantar Ridge 71 Rm GR35 10003 Natur Hamochina Arm. Chair Strong MD 20003, 2000 Center for Tobacco Products, Attn: Office of Small Business Assistance, Document Control Center, Bidg. 71, Rm. G335, 10903 New Hampshire Ave., Salver Spring MD 20993-2000.

U.S. Department of Health and Human Services Food and Drug Administration
Center for Tobacco Products

August 2018

OABS control number: 19910-07/45
Expiration Date: 12/31/2019
See additional PRA statement in Section VI of the guidance+

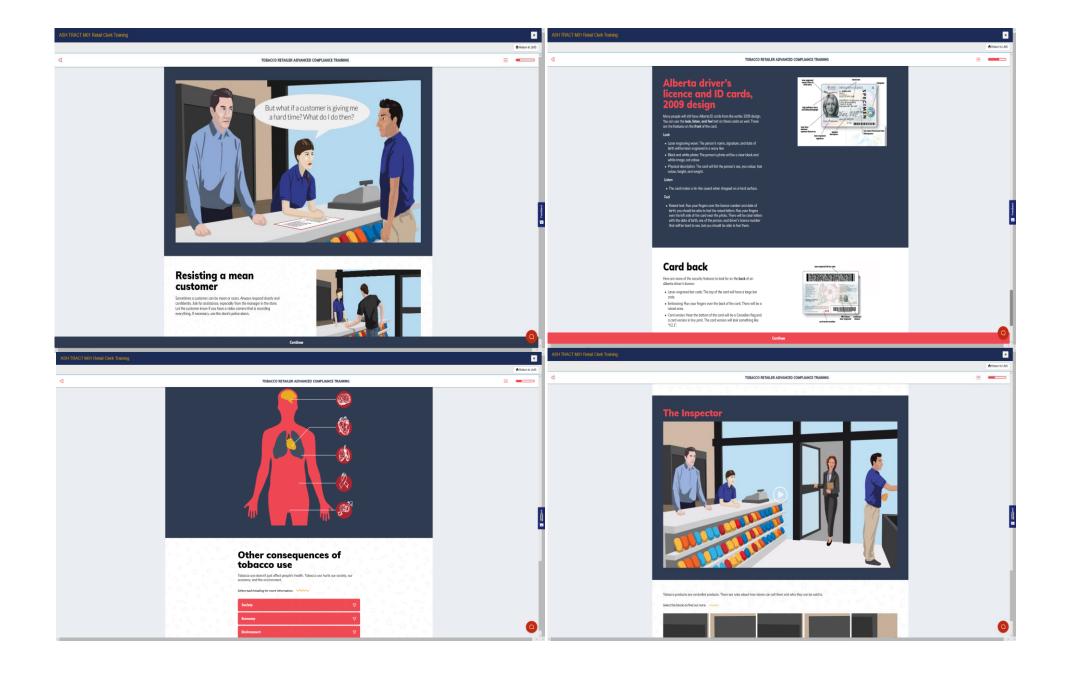


This is a revision to the fourth edition of this guidance, which was issued in June 20.

TRAC™ training attributes

- » Focus on best practices in eLearning, adult education and tobacco retailer training
- » Utilizes FDA guidelines for tobacco retailer training
- » Applies deep-learning techniques such as immersive simulations, interactions and gamification
- » Training goes beyond simple adherence to legal requirements (i.e., maximizing compliance)





A mixed-methods evaluation of the Tobacco Retailer Advanced Compliance (TRAC) online training (e-learning) program

Fadi Hammal^{1,2}, Les Hagen^{1,2}

ABSTRACT

INTRODUCTION Tobacco vendor training is recognized as an essential element to reduce youth access to tobacco. The TRAC training program was developed utilizing best-practices in tobacco retailer training, adult instruction, and e-learning. The objective of this mixed-methods study is to evaluate the acceptability, usability and knowledge impact of an online tobacco retailer program.

METHODS An interview guide and evaluation questionnaire were used to collect data on usability and acceptability. To test learner knowledge, each module included a final set of 15 questions randomly chosen and posed to participants before and after the training. Content analysis, chi-squared tests, Student's t-tests, and paired tests were utilized for data analysis. The evaluation was conducted in Alberta, Canada in 2020.

RESULTS A total of 128 participants enrolled in the study. The main themes revealed in the qualitative aspect of the evaluation were: the training was easy to navigate, engaging, informative, and beneficial to the staff's daily work. Compared with the pre-training test, a significantly higher post-training test score, mean and (SD), was recorded for clerks who completed the clerk training module [59.1 (12.8) vs 75.5 (11.1), t=8.6378, p<0.001], and managers who completed the managers training module [51.5 (11.1) vs 73.1 (12.3), t=7.6446, p<0.001]. Similarly, a higher number of participants achieved the passing score of 80% in the post-training test in all three groups.

conclusions The online training was found to be acceptable and effective in increasing the mean individual score in the knowledge test and in increasing the percentage of participants achieving the passing score. The TRAC training is the first known tobacco retailer training course to employ best practices in tobacco retailer training, adult instruction, and e-learning. Further evaluation of long-term outcomes on employee behavior and on overall compliance with tobacco legislation is recommended.

Tob. Prev. Cessation 2022;8(November):41

https://doi.org/10.18332/tpc/156039

INTRODUCTION

Disrupting tobacco sales to minors has shown to be effective in reducing smoking among youth¹. However, the existence of legislation preventing sale of tobacco to minors alone is not sufficient to achieve consistent compliance among tobacco retailers. Evidence suggests that compliance rates among tobacco retailers must be over 90% in order to have any significant effect on youth tobacco use². Tobacco

AFFILIATION

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KEYWORDS

training, youth, access, minor, retailer, tobacco

Received: 28 May 2022 Revised: 23 October 2022 Accepted: 27 October 2022

Conclusions

- eLearning is an effective, easily accessible and inexpensive way to deliver retail training.
- Modules can be readily deployed and scaled up.
- The platform should be revised and updated regularly or when laws are amended.
- Further evaluation is needed to measure the long-term impact on KAB and sales to minors.



Moving forward

- ASH Canada is making TRACTM widely available.
- Prepared to work with any government or regulator to create a custom turn-key platform that reflects state and local laws.
- The program is based on major compliance factors and can be easily adapted.
- TRACTM is designed to help maximize compliance rates and to complement enforcement efforts.



Questions?

hagen@ash.ca





Policy

- Mass Media Campaigns
 & Communications
- Community Engagement
 & Outreach
- Treatment

Evaluation

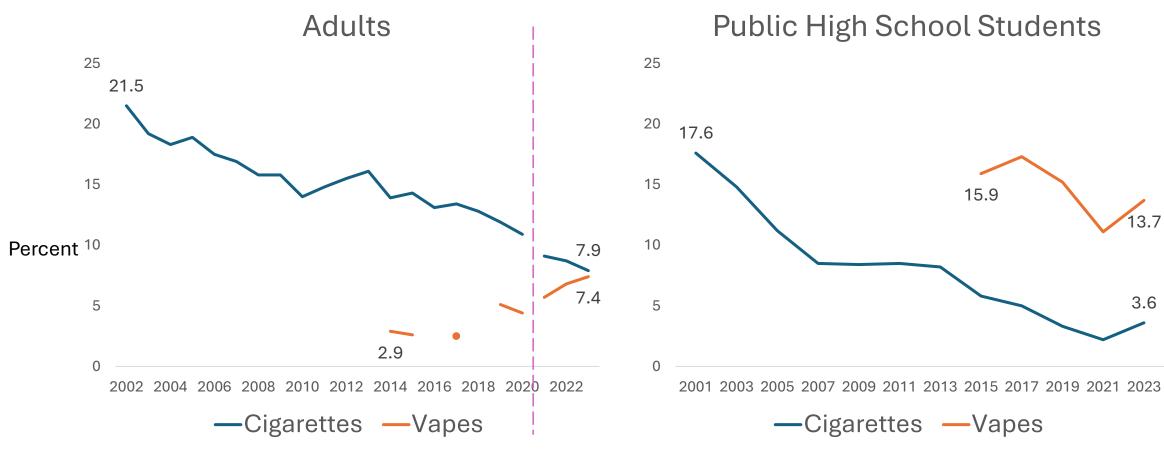
Decrease factors that promote tobacco use

Increase factors that prevent or protect from tobacco use

Is it working?



NYC Cigarette Smoking and Vaping





Key NYC Tobacco Retail Policies

Pricing

- Tax increase (2002, 2018)
- Minimum price (2014, 2018)
- Coupon / discount ban (2014)

Age

• Tobacco 21 (2014)

Licensing

- E-cigarette license, tobacco license fee (2018)
- License cap (2018)
- Pharmacy ban (2018)

Products & packaging

- Flavored (excluding menthol) tobacco ban (2009)
- Flavored e-cigarette ban (2019)
- Package sizing (2014, 2018)

Retail Data Sources

In-store methods:

Retailer Advertising of Tobacco Surveys

Administrative Inspections

Out of store methods:

Littered Pack Surveys

Media scans

Listening sessions



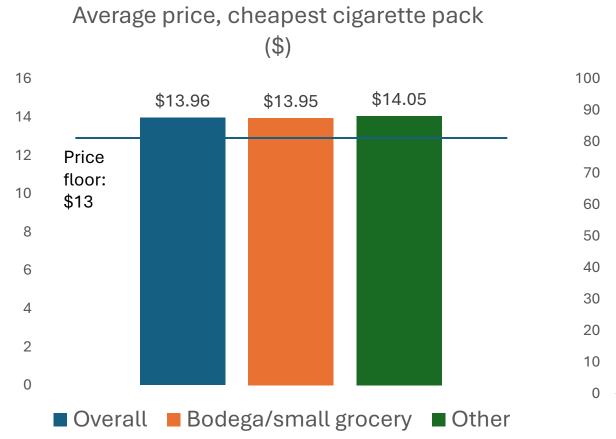
Retail Advertising of Tobacco Survey (RATS)

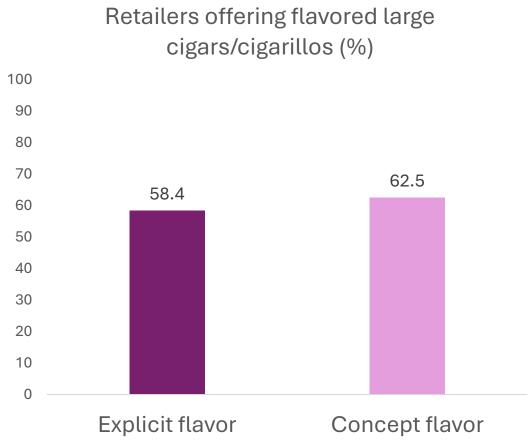
- Conducted by RTI International
- Sample of 10-20% of licensed retailers
- In-store assessment by trained data collectors
 - Advertising
 - · Presence of products
 - Price
 - Signage
- Helpful in evaluating existing policies and identifying new areas of concern

| C15. Price for Marlboro Red (regular hard pack) | a. Sold here? | | b. Enter single Pack/Item Price |
|---|---------------|----|--|
| FILTER CIGARETTES Marlboro 20 CLASS A CIGARETTES | YES | NO | \$ |

| C16. Price for Newport Menthol (regular hard pack) | a. Sold here? | | b. Enter single Pack/Item Price |
|--|---------------|----|--|
| Newport MENTHOL BOX | YES | NO | \$ <u></u> |

Retailers are more compliant with some policies than others





Source: NYC RATS, 2019 Source: NYC RATS, 2017

Administrative Inspections

- Conducted by NYC Department of Consumer and Worker Protection
- Each licensed retailer inspected at least once annually
- Two main types
 - Underage purchase attempts
 - Routine inspections
- Focused on compliance with existing policies
- Helpful in understanding most common violations and detecting new products



Inspection Checklist: Tobacco Retail Dealers



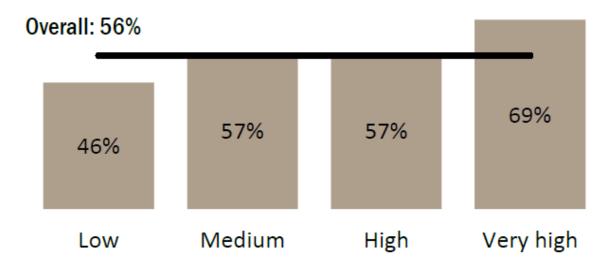
| Requ | uirement | Do you meet this requirement? |
|------|---|-------------------------------|
| Flav | ored Tobacco | |
| 4 | It is illegal to sell or offer for sale tobacco products that have or produce a distinguishable taste or aroma, including, but not limited to: fruit, chocolate, honey, vanilla, candy, cocoa, dessert, alcoholic beverage, herb, or spice. It is not illegal to sell products that have or produce the taste or aroma of menthol, mint, wintergreen, or tobacco. | ☐ Yes |
| | NYC Code §17-715(a) | 1 |





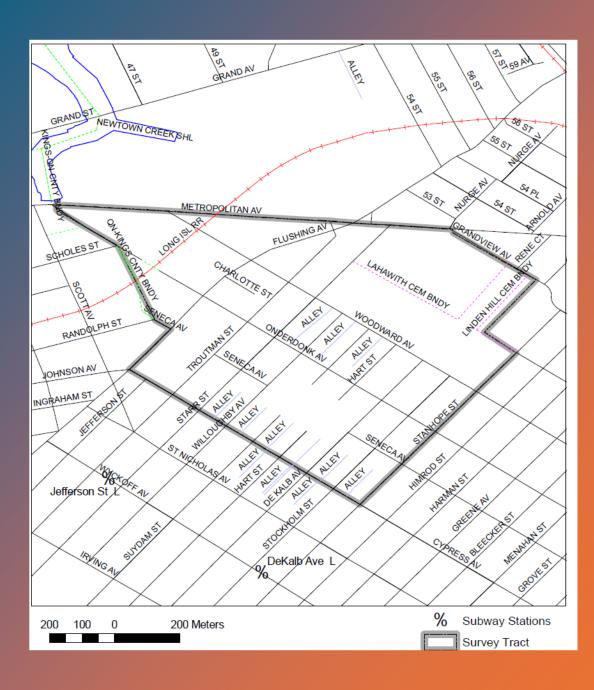


Violations for selling flavored e-cigarette products were more common in neighborhoods with more young residents Percentage of retailers found in violation by proportion of residents ages 24 or younger in New York City neighborhoods, 2023



UHF neighborhoods by proportion of residents ages 24 or younger

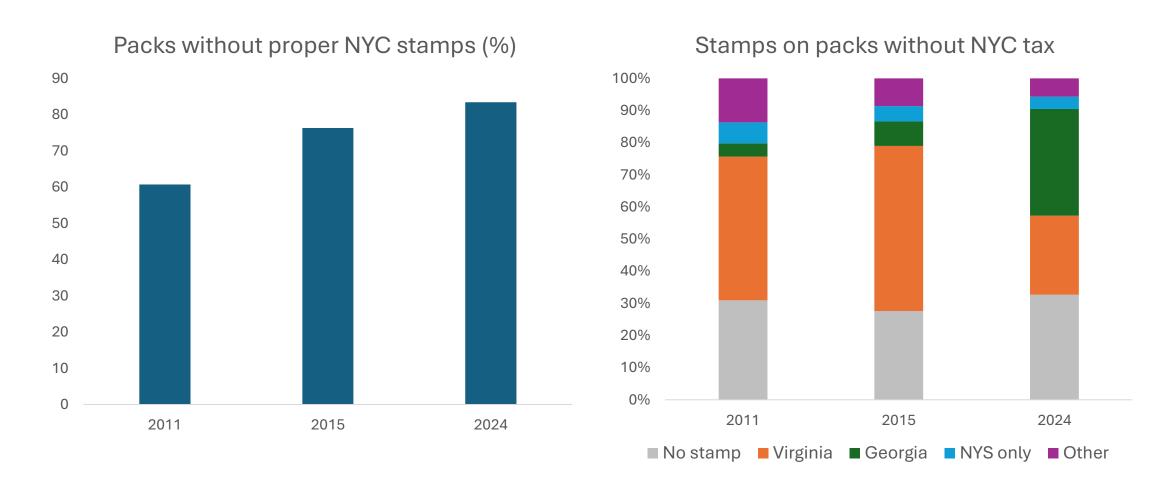




Littered Pack Survey

- Conducted by RTI and Rutgers INTS
- 30 census tracts sampled
- Surveyors walk perimeter of area:
 - Collect discarded packs
 - Review for presence and origin of tax stamps
- Helpful in assessing influx and availability of cigarettes from outside NYC

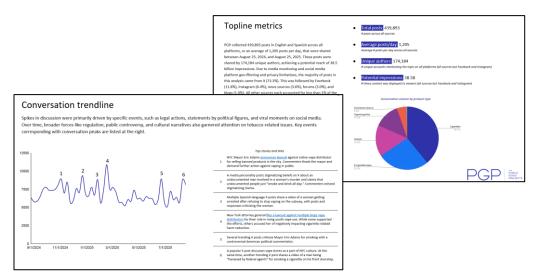
Packs without required stamps are common



Other Data Collection

- Listening sessions
- Meetings with stakeholders and partners
- Media monitoring (NEW!)





Data Informs...

Education



Policy Enforcement and Development



Mayor Adams Ships 1,246 Pounds of Seized Illegal Vapes to be Destroyed and Keep New Yorkers Safe

October 16, 2024

New York City Files Lawsuit Against 9 Disposable E-Cigarette Distributors

Mayor Eric Adams says popular vapes are illegal, include youth-attracting flavors

By Diane Adam on Apr. 09, 2025



for targeting kids, teens

NYC files lawsuit against company allegedly illegally peddling flavored vapes to kids: 'Will not sit idly by'

Ry Aneeta Rhole Published Nov. 7, 2024, 5:07 p.m. ET





For more information, call 311 or

visit nyc.gov and search for tobacco laws

Acknowledgements

- NYC Department of Consumer and Worker Protection
- RTI International
- Rutgers Institute for Nicotine and Tobacco Studies
- The Partnership for Healthy Cities
- The Public Good Projects

