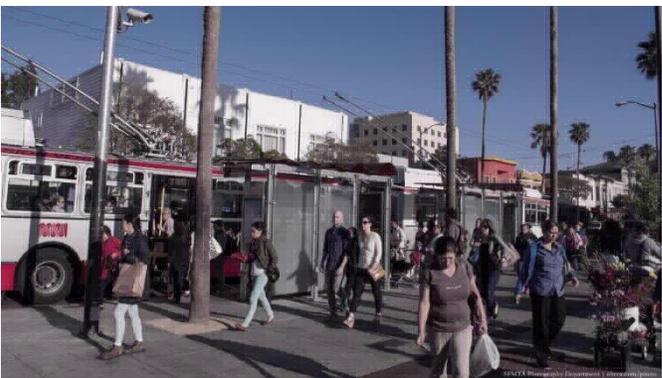




SECOND-HAND SMOKE EXPOSURE IN SAN FRANCISCO



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POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

Smoking, Vaping and Cannabis Use in SF

San Francisco Adults (2018)


12.1% current smokers


20.8% ever tried an e-cigarette


currently smoke e-cigarettes


59.7% ever used cannabis



SFUSD High School Students (Fall 2018)

 no change
6.5% are current smokers

 Increased
31% ever tried an e-cigarette

 ~ 2x more than in 2017
16% currently smoke e-cigarettes


27.3% ever used cannabis



Second Hand Exposure in California 2016-18

California Adults (18-64 years old)



- More than half of CA adults exposed to second-hand tobacco smoke
- Exposure to Second-hand cannabis smoke and e-cigarette aerosol **increased** between 2016-2018 for adults
- 1 in 3 California high school students report exposure to second-hand smoke, e-cigarette aerosol, and cannabis smoke (2017-2018)

ZSFGH inpatient pediatric patients exposure to Second-Hand Smoke (2019)

- 22% exposed to second hand smoke
- 9% exposed to cannabis smoke



Harms of Second-Hand Smoke

- There is no risk-free level of second hand smoke exposure
- Risks for children, elderly, and those with health issues



Second-Hand Cigarette Smoke

- 7,000 chemicals, including 70 carcinogens
- Exposed non-smokers increase risk of stroke, heart disease and lung cancer by 20-30%
- Risk of SIDS and asthma attacks in babies and children increased



Second-Hand E-cigarette Aerosol

- Not harmless water vapor
- Aerosol nanoparticles: nicotine, 10+ on Prop 65 list of toxins, more easily and deeply breathed in
- Propylene glycol base solution can result in *development* of asthma
- Damaging to lung tissue, and blood vessels



Second-Hand Cannabis Smoke

- Contains carcinogens like cadmium, chromium, benzene
- 33+ on Prop 65 list of toxins
- Exposed children have detectable levels of THC



Places Where Second-Hand Smoke/Vape is Prohibited

Enclosed Common Areas

(Hallways, elevators, stairways, restrooms, meeting rooms, etc)



Government buildings



Health Facilities



Businesses
Non Profits*



Education Facilities
Childcare facilities



Arts/Entertainment Facilities



Restaurants



Bars*
Taverns



Convention Centers



Tobacco Shops*



Multi-Unit Housing



Tourist lodging facilities
(6+ guests)

Other Places in San Francisco



Wharfs/
Piers



Parks
Playgrounds
(city & state)



Public Transit
Transit Stops



Vehicles
for Hire



Service
Waiting Lines



Outdoor
Events



Farmers
Markets



Sports
Arenas



Private car
with minor
present



80% Hotel
Guest rooms



15ft from entry ways,
windows

*exemptions exist

Second-Hand & Third-Hand Smoke & Vape in Multi-Unit Housing



- **Approximately half** of San Franciscans live in multi-unit housing (MUH), 2+ more units (CHIS 2013-18)
- People of color, young adults, low-income, and smokers are more likely to live in MUHs.
- **Second-hand exposure** through windows, vents, pipes, tiny cracks in home from a smoking neighbor or someone outside
- **Third-hand smoke and vape** absorbs and sticks to furniture, walls, carpet that continues to expose residents
- Windows, air ventilation, air conditioning and fans cannot completely eliminate exposure to second-hand smoke/vape
- SF residents who live in buildings with 5+ more units are 3.5x more likely to report drifting smoke exposure. (Holmes et al 2019)



Local, State and Federal Policies Protecting San Franciscan Residents from Second-Hand Smoke in their Homes

2010

San Francisco Health Code 19F

- Smoke Free Common Areas of MUH
- Smoking at curb or at least 15 ft away from entryways, exits and windows

2012

California Senate Bill 322

Allows property owners to prohibit smoking in their units

2017

Housing & Urban Development Smoke-Free Public Housing

All Public Housing Authorities comply by July 2018

2010

SF Public Housing Authority

New leases are smoke-free, including common areas and units

2013

San Francisco Health Code 19M Housing Smoking Disclosure Ordinance

Voluntary Smoke-Free Policies exist, even among supportive and transitional housing

In a San Francisco Multi-Unit Housing Complex...



Smoking is NOT Permitted in..

- Enclosed common areas such as elevators, lobbies, hallways, stairways, and laundry facilities.
- Shared open space that is within 10 feet of any doorway or window.

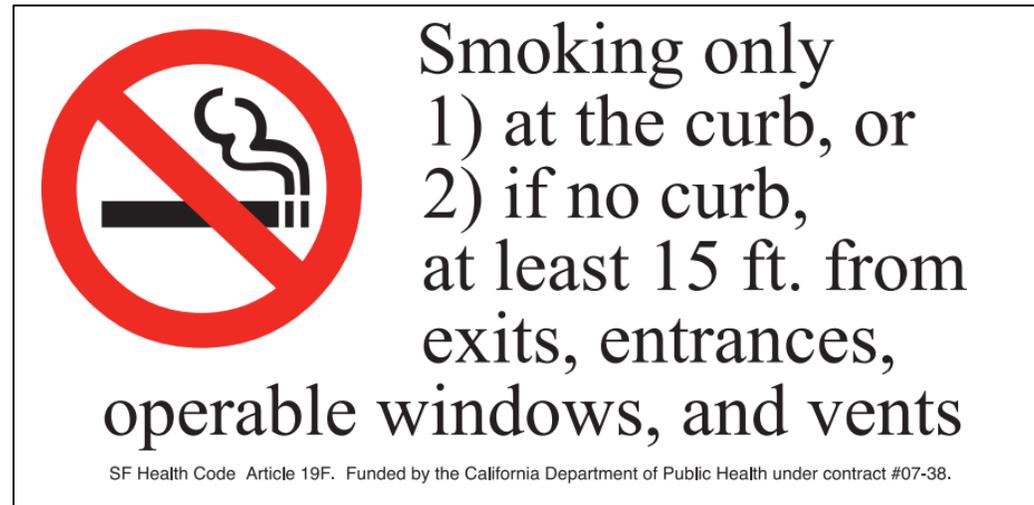
Smoking is Permitted in...

- Inside the tenant's or owner's dwelling unit.
- On resident's private balcony or outdoor space.
- Large shared patio or outdoor space at least 10 feet from an door or window of the building.



Property Owner Requirements:

- Post no smoking signs at front entrance and in common area inside building.
- Remove all ashtrays from indoor spaces.
- Request the tenant or guest of tenant to refrain from smoking.



NO Smoking/NO Vaping

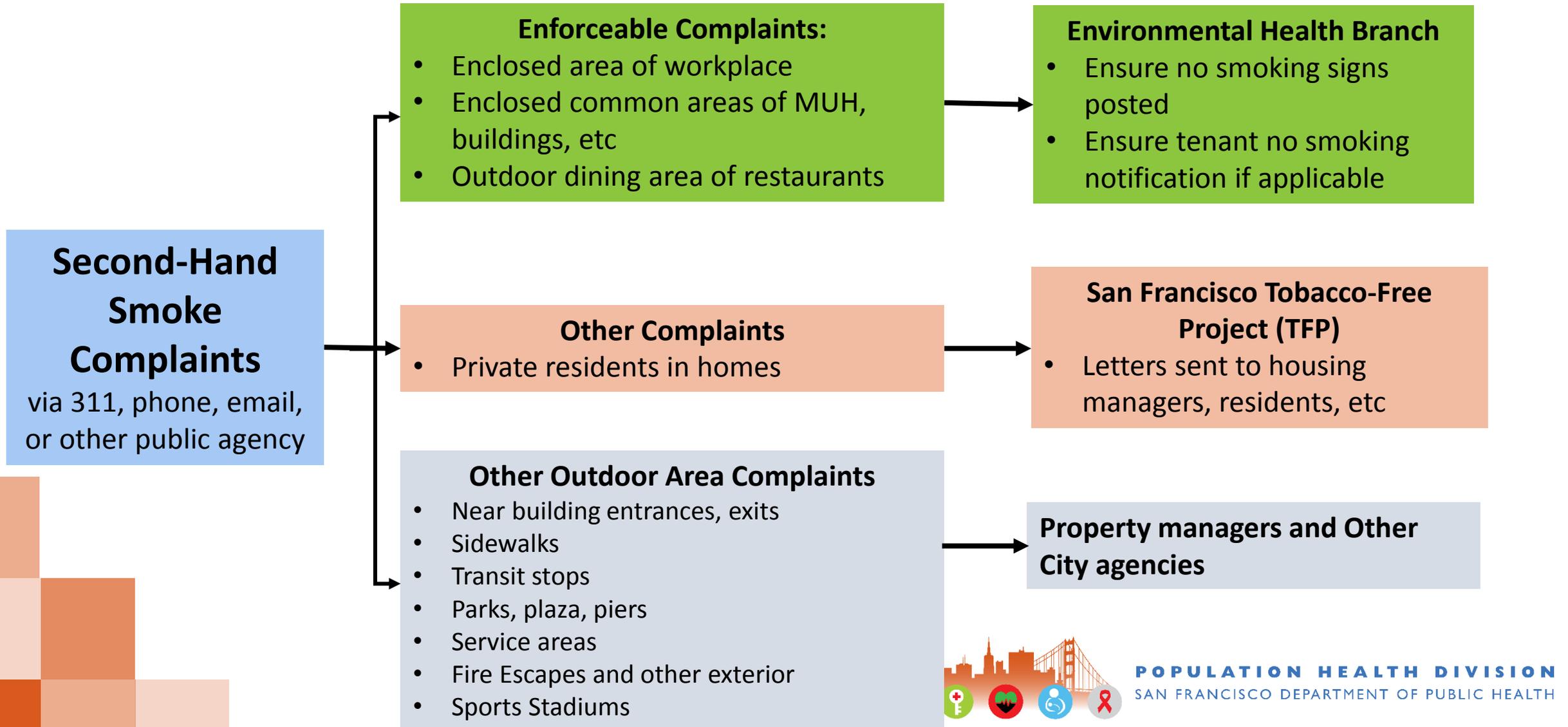
City and County of San Francisco, Department of Public Health
San Francisco Health Code Articles 19F and 19N

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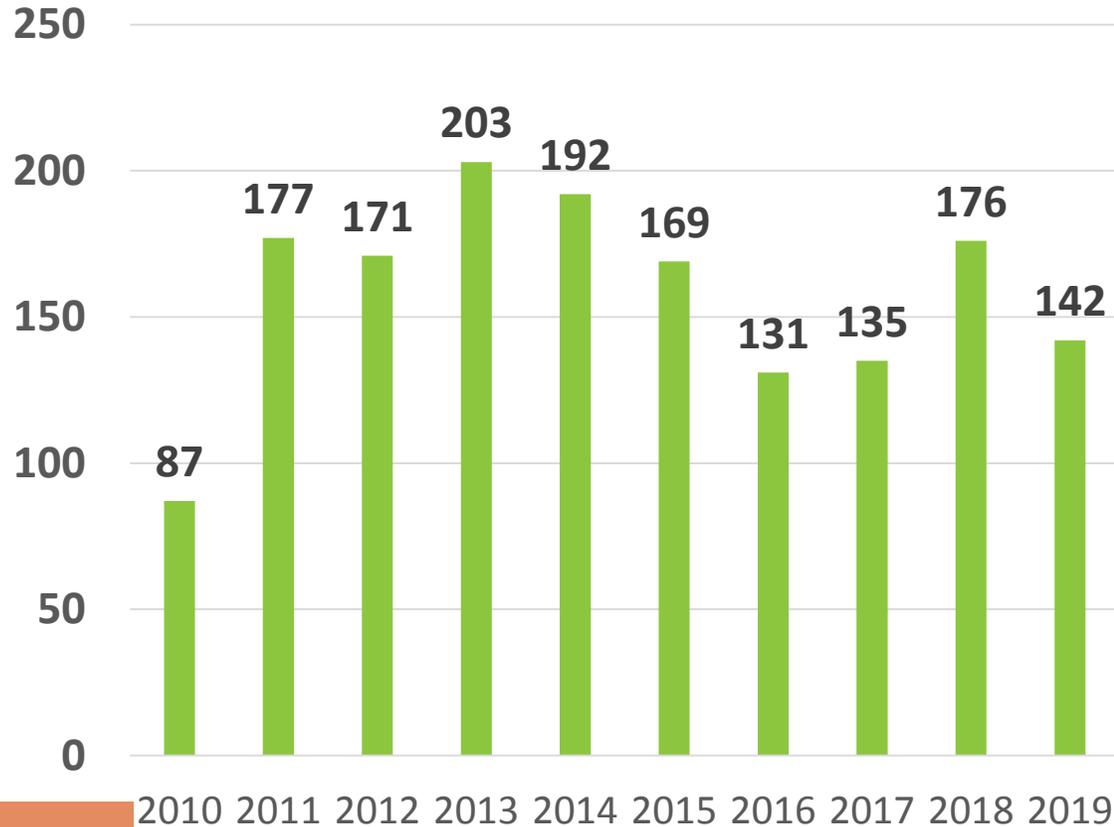
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Second-Hand Smoke Complaints from Public to SFDPH

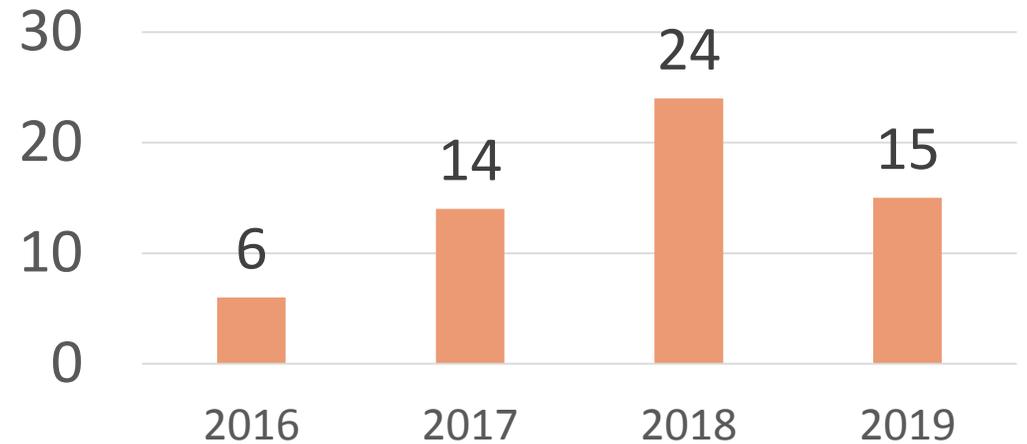


Second Hand Smoke Complaints to 311 & TFP

SFDPH 311 Smoking Complaints



Total Complaints to TFP (n=59)



- 52% about drifting smoke within Multi-Unit Housing
- 23% about drifting smoke from a neighboring building
- 5 (8%) complaints included drifting cannabis smoke
- Only 4 (7%) enforceable and sent to Environmental Health Branch

“I asked my neighbor to close her doors but that is not helping at all. My kitchen, two closets, master bed and bath smell like cigarette almost the entire day. This situation is stressing me out. I'm way too concern[ed] about my child.”
- Complaint received 2019

Exposure to Second-Hand Smoke within San Francisco Multi-Unit Housing



Image Source: CDC

- San Franciscans may be exposed to second—hand smoke in their homes, especially those in Multi-Unit Housing:
 - Apartments, Condos, SROs, transitional housing, affordable housing, senior housing, etc
 - Renters and Owners
 - Elderly, children and those with health issues
- San Franciscans may be exposed to drifting smoke from outdoors (e.g. sidewalks, neighbors backyard or outdoor patio, etc) into their homes



Thank You

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