### **E-CIGARETTES: A GROWING CONCERN**

Presentation to City of Milwaukee Public Safety and Health Committee

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### NOT JUST WATER VAPOR

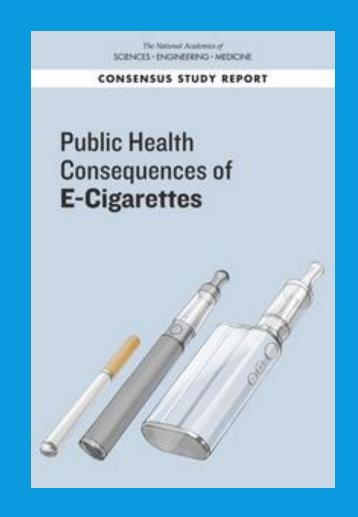


## NATIONAL ACADEMY OF SCIENCES REPORT EXPOSURE TO E-CIGARETTE AEROSOL

**Conclusive evidence** that e-cigarette use increases airborne concentrations of particulate matter and nicotine in indoor environments compared with background levels

**Conclusive evidence** that in addition to nicotine, most ecigarette products contain and emit numerous potentially toxic substances

**Substantial evidence** that e-cigarette aerosol contains metals

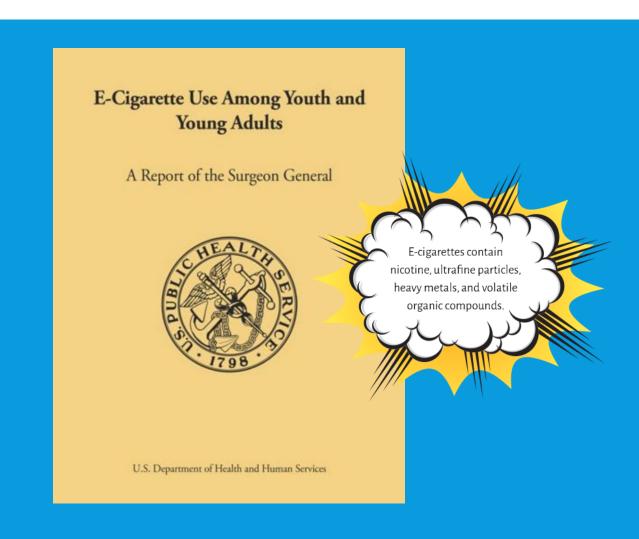


# US SURGEON GENERAL REPORT E-CIGARETTE USE AMONG YOUTH AND YOUNG ADULTS

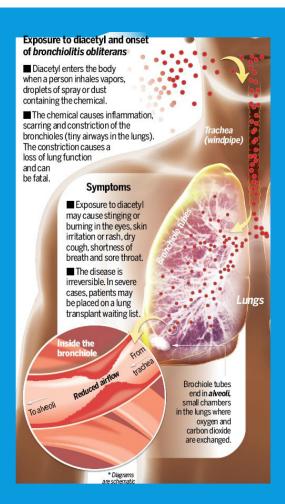
 Flavors in e-cigarettes are one of the main reasons youth use them

E-cigarette aerosol is not safe

 E-cigarette use is strongly associated with the use of other tobacco products among youth and young adults



### MILWAUKEE JOURNAL SENTINEL WATCHDOG REPORT





Scott Reid, a professor and chair of Marquette University's chemistry department, found diacetyl and another lungdestroying chemical in five e-liquid samples bought from vape shops around Milwaukee. To view photo galleries, go to WATCHDOG REPORTS | GASPING FOR ACTION | WATCHDOG UPDATE

## Cases tie e-cigarettes to lung injuries, pneumonia



Two recent cases are among the first to highlight severe lung injuries physicians say are related to the use of e-cigarettes and other vaping devices. Credit: Associated Press

By Raquel Rutledge of the Journal Sentinel

Oct. 29, 2015

A 31-year-old West Virginia woman with no prior lung disease contracted what doctors say is a rare form of pneumonia after inhaling vapor from electronic cigarettes.

The woman had been vaping for about three months before being admitted to a hospital this year with a chronic cough. Soon after, she went into respiratory failure and was put on a ventilator, according to the doctors who treated her.

### NOT APPROVED TO HELP PEOPLE QUIT

#### FDA-approved methods to help people quit

Nicotine patch Nicotine gum Nicotine lozenge

Nicotine inhaler

Nicotine nasal spray

Varenicline (Chantix)
Bupropion SR (Zyban)

Note: E-cigarettes are <u>NOT</u> an approved cessation device

Source: https://www.fda.gov/ForConsumers/ConsumerUpdates/ucm198176.htm





### **E-CIGARETTE INCLUSION IN SMOKE-FREE AIR LAWS IN WI**

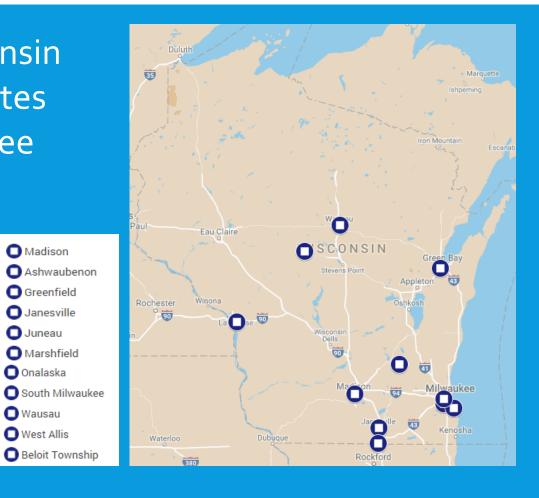
11 cities in Wisconsin include e-cigarettes in their smoke-free air law.

Madison

Greenfield

Janesville Juneau Marshfield Onalaska

Wausau ■ West Allis



### A NATIONAL TREND









