

Harford County Health Department



Board of Health Update September 18, 2018

Russell Moy, MD, MPH Health Officer

September is National Recovery Month



Help us light the way during the month of September for Recovery Month. By using purple lights, show Harford County there is hope and recovery is possible.
If you need help, call 410-877-2340.





HARFORD COUNTY HEALTH DEPARTMENT







- Update on the health of Harford County
 - Behavioral health
 - Tobacco
 - Sexually transmitted diseases
 - Cancer
- Health Department's strategic plan
- Role of Peer Recovery Specialists



Drug-related deaths reach all-time high in 2017 In the U.S.

The New York Times

Bleak New Estimates in Drug Epidemic: A Record 72,000 Overdose Deaths in 2017

Fentanyl is a big culprit, but there are also encouraging signs from states that have prioritized public health campaigns and addiction treatment.

By Margot Sanger-Katz

Aug. 15, 2018

Drug overdoses killed about 72,000 Americans last year, a record number that reflects a rise of around 10 percent, according to new preliminary estimates from the Centers for Disease Control. The death toll is higher than the peak yearly death totals from H.I.V., car crashes or gun deaths.

Analysts pointed to two major reasons for the increase: A growing number of Americans are using opioids, and drugs are becoming more deadly. It is the second factor that most likely explains the bulk of the increased number of overdoses last year.

Drug-related deaths reach all-time high in 2017 In Maryland

Maryland's drug-related deaths increase for seventh straight year, reach all-time high in 2017



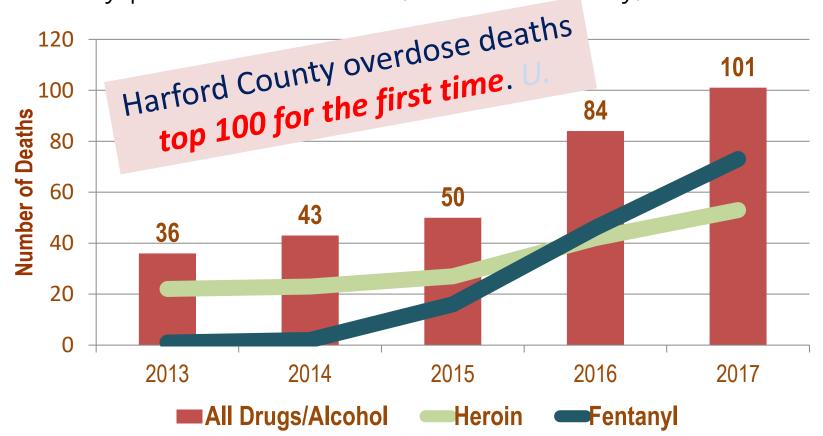
By Andrea K. McDaniels The Baltimore Sun

JULY 26, 2018, 2:45 PM

The number of drug- and alcohol-related deaths in Maryland soared to an all-time high of 2,282 last year as the state continued to struggle with an opioid addiction problem that has gripped the entire country.

Last year there were 9 percent more such overdose deaths than in 2016 and most of them -2,009 – were opioid-related, according to data released Thursday by the Maryland Department of Health.

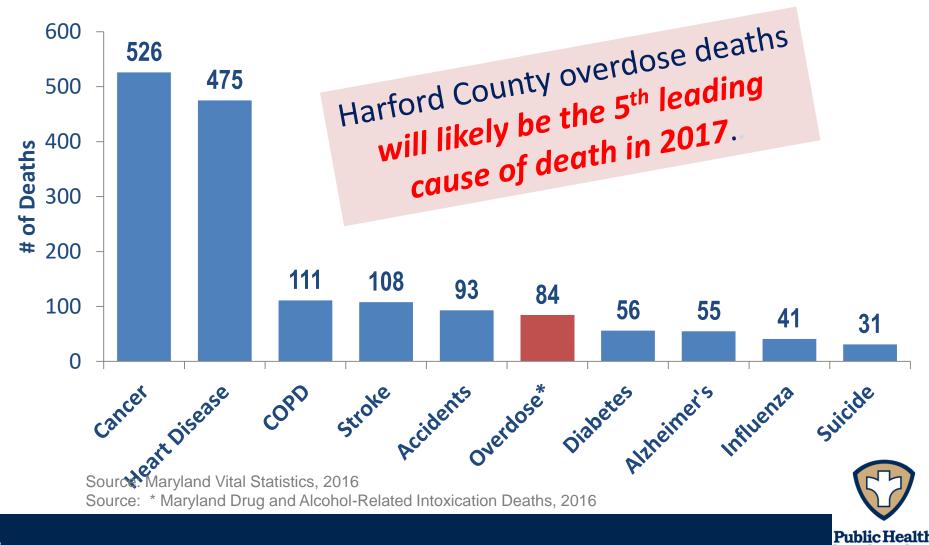
Drug & Alcohol Intoxication Deaths By place of occurrence, Harford County, 2013-2017



Source: Maryland Vital Statistics: Drug- and Alcohol-Related Intoxication Deaths in Maryland

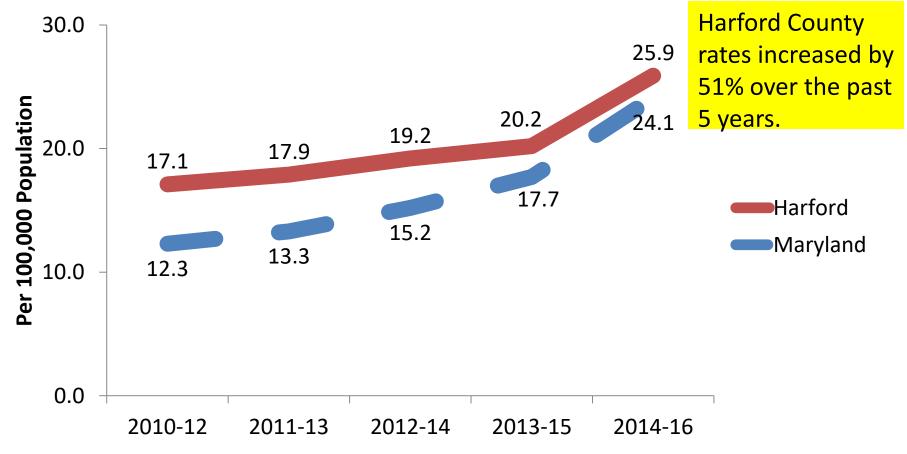


Top 10 Causes of Death Harford County, 2016



Harford County Health Department

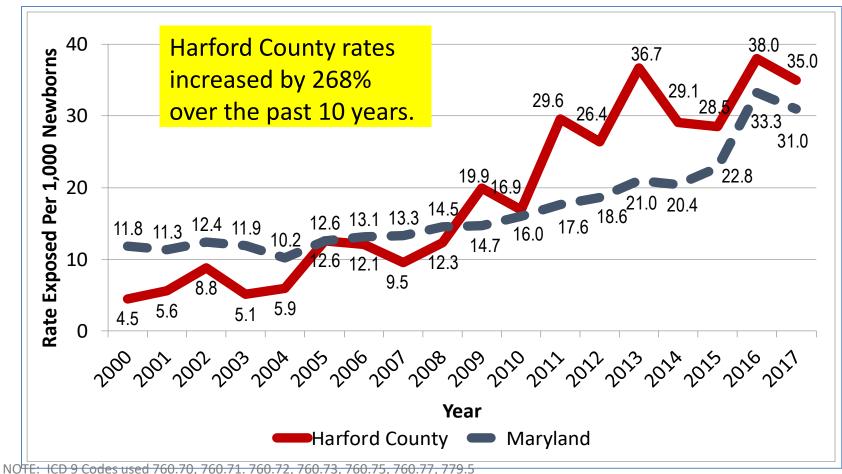
Drug-Induced Mortality Rates Harford County & Maryland, 2012-2016



* Age-Adjusted Rates Source: Maryland Vital Statistics Reports



Rate of Hospital Encounters for Newborns Born with Maternal Drug/Alcohol Exposure in Harford County and Maryland, 2000-2017*



ICD 10 Codes used P04.3, P04.4, P04.41, P04.49, P04.8, P04.9, P96.1

* 2017 DATA IS PRELIMINARY – Data compiled by MCHB/MDH. Chart prepared by HCHD.

Source: HSCRC Hospital Data, 2000-17, Maryland resident births only, does not include Maryland resident births born out of state.



The reason this epidemic is so deadly



Comparing the size of lethal doses of heroin, fentanyl, and carfentanil. The vials here contain an artificial sweetener for illustration. (New Hampshire State Police Forensic Laboratory)



Short-term, Narcan (naloxone) spray can reverse an opioid overdose and save lives





Intermediate-term, more substance use disorder medication treatment services are needed

Medication-assisted opioid addiction treatment



(Buprenorphine + Naloxone)

Approved: by FDA in 2002 Dosage: Taken daily - most commonly as a film under the tongue

Cost: \$125-\$250 for a 30-day set **Insurance:** Covered my many providers

Prescription: Can be prescribed at MercyHealth Behavioral Health Services and Compass Behavioral Health Clinic



Approved: by FDA in 1972 Dosage: Taken daily in liquid form

Cost: Less than \$100 per month **Insurance:** Covered my many providers

Prescription: Prescribed at Beloit Comprehensive Treatment Center



Approved: by FDA in 2006 Dosage: Taken as an injection, lasts four weeks Cost: About \$450 per injection Insurance: Covered my many providers Prescription: Can be prescribed

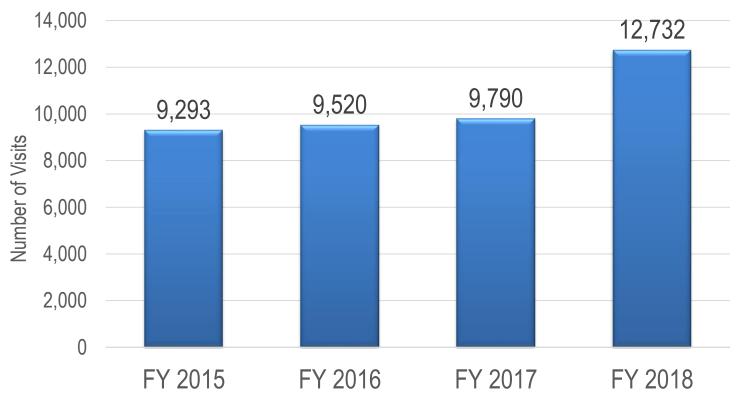
by a medical doctor

SOURCE: U.S. Food and Drug Administration

Tony DiNicola/tdinicola@gazettextra.com

Intermediate-term, more substance use disorder behavioral health services are needed

HCHD Behavioral Health Program Visits, FY 2015-2018



Source: Brill, "New State-level Estimates of the Economic Burden of the Opioid Epidemic," AEI, 1/16/18



Intermediate-term, more substance use disorder crisis and care coordination services are needed



WATCH WELLNESS ACTION TEAMS OF CECIL & HARFORD

- Home visits including Community Health Workers, RNs, Social Workers
- Primary Care Physician referrals and collaboration
- · Referrals to transportation, insurance, housing, food
- Self-care, healthful living and care plan management

Proudly serving the residents of Harford and Cecil counties.

For information, please contact 800-515-0044 healthyharford.org



HARFORD CRISIS CENTER Behavioral Health & Addiction Services

CC THE HARFORD CRISIS CENTER WILL BE THE FIRST OF ITS KIND IN MARYLAND TO FOCUS ON BOTH MENTAL HEALTH AND ADDICTION Click here to find out more



Prevent. Promote. Protect Harford County Health Department

Long-term, prevention works best

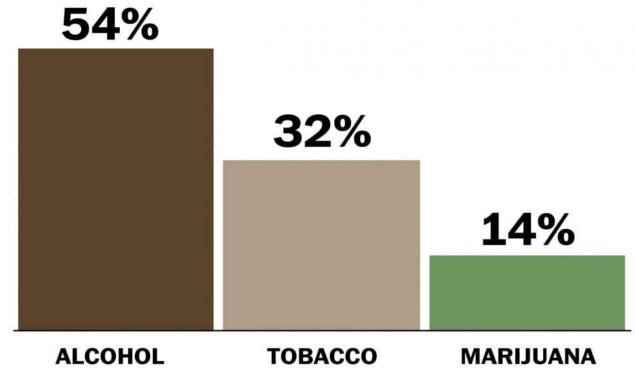


Copyright © 2011 by The National Center on Addiction and Substance Abuse at Columbia University. All rights reserved. May not be used or reproduced without the express written permission of The National Center on Addiction and Substance Abuse at Columbia University.

Is there a gateway drug?

Alcohol: the true gateway drug

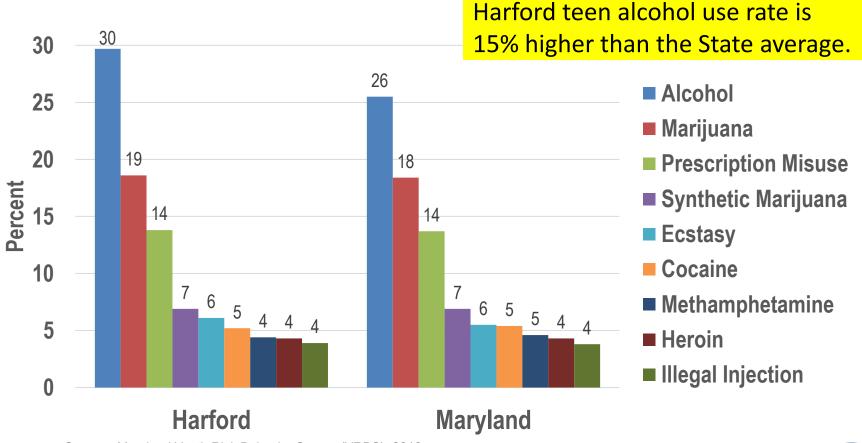
First drug of use, among 12th graders who had ever used alcohol, tobacco or marijuana:



WAPO.ST/WONKBLOG

Source: Prioritizing Alcohol Prevention: Establishing Alcohol as the Gateway Drug and Linking

Adolescent Alcohol and Drug Use Rates Harford County & Maryland, 2016



Source: Maryland Youth Risk Behavior Survey (YRBS), 2016 Note: Students, Gr 9-12 who drank at least 1 drink of alcohol in the past 30 days

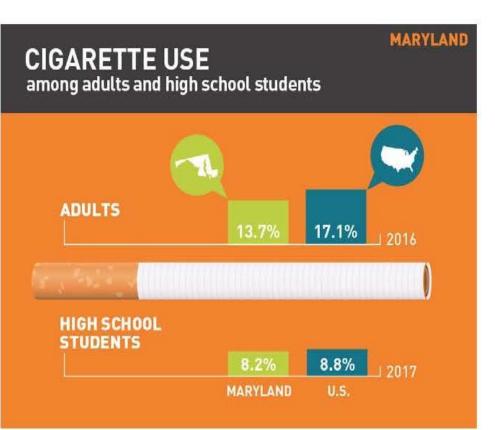


Maryland ranks 7th in adult smoking rates, 22nd in adolescent tobacco use rates

tobacco use in maryland

Cigarette use: Maryland*

- In 2016, 13.7 percent of adults smoked. Nationally, the rate was 17.1 percent.¹
- In 2017, 8.2 percent of high school students smoked on at least one day in the past 30 days. Nationally, the rate was 8.8 percent.²

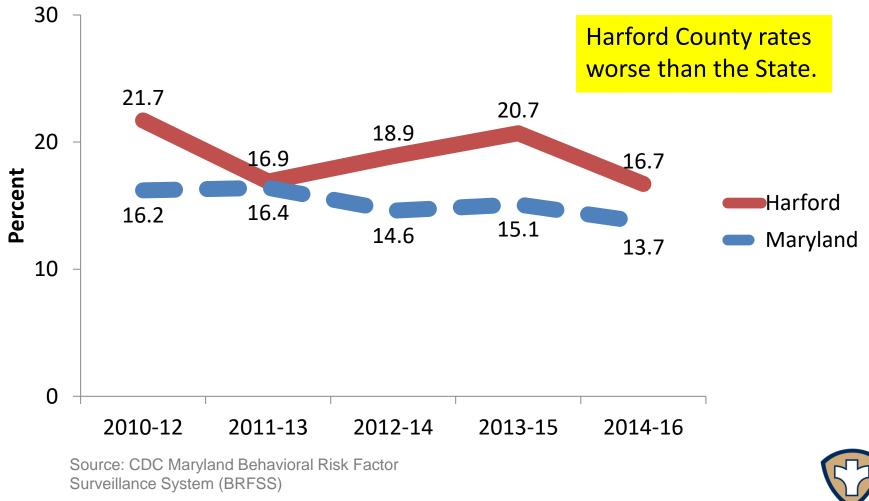




Source: CDC BRFSS Website 2016

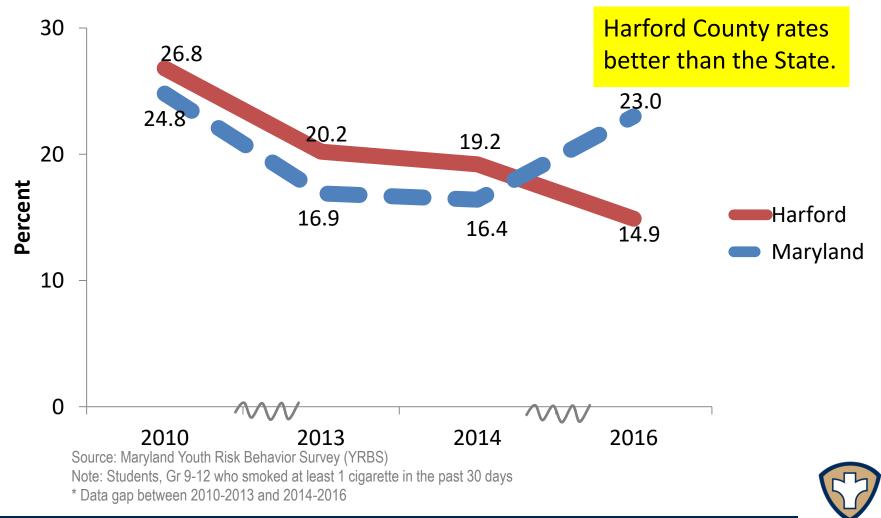
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Adult Smoking Rates Harford County & Maryland, 2012-2016





Adolescent Tobacco Use Rates* Harford County & Maryland, 2010-2016





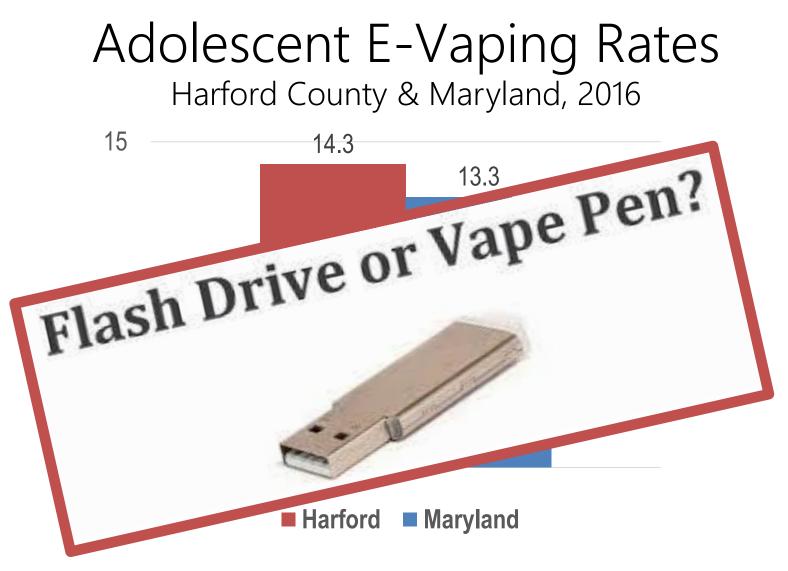
TEEN SMOKING AT ALL TIME LOWS WHILE VAPING INCREASES

Current cigarette smoking among U.S. high school students **lowest in 22 years**





Health Department



Source: Maryland Youth Risk Behavior Survey (YRBS), 2016 Note: Students, Gr 9-12 who drank at least 1 drink of alcohol in the past 30 days



The Washington Post

Health & Science

FDA chief calls youth use of Juul, other e-cigarettes an 'epidemic'

By Laurie McGinley

Laurie McGinley Reporter covering health and medicine Email Blo Z Follow 🔰

September 12 at 10:56 AM

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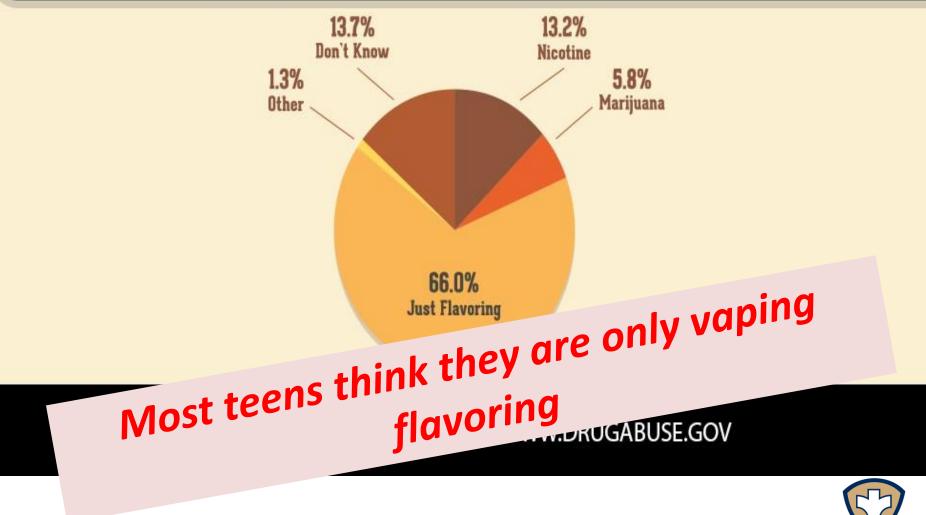
JUU

Youth e-cigarette use an "epidemic" − a 75% increase in use among high school Food and Drug Administration Commissioner St an "epidemic" of teenage vanir retailers for students this year compared to 2017ated enforcement 0: out, would significantly upend the fastact gro

The ____a, not yet published, show a 75 percent increase in e-cigarette use among high school students this year compared to 2017. The FDA declined to publicly release the numbers, but people familiar with them said they were preliminary data from the National Youth Tobacco Survey, on which

p

WHAT DO TEENS SAY IS IN THEIR E-CIG?³





Dangers of Synthetic Cannabinoids

FDA Statement

Statement from FDA warning about significant health risks of

contam cannabi being e

Statement from C Ph.D., director, Ce Woodcock, M.D.,

For Immediate R

July 19, 2018

Statement

The U.S. Food and I illnesses and deaths products that have b anticoagulant comm sold in convenience

such as "K2" and "Spice." Use of the concerns for both individuals who m blood supply, as there is the potenti

Es

Smoking Liquid Synthetic Marijuana In E-Cigs

izer Pens Hide

otine. But these devices are ations of THC. **Courtesy**

otine. But these devices are ations of THC.

 \bigcirc

levels of exposure. That makes accidental contami suggests the poison may have been introduced del doses these people are getting, but it's a lot " says It's a sunny afternoon at Kelly's Collective, a medical marijuana dis Angeles, and Nikki Esquibel is getting stoned. But you wouldn't kno

Mille E.



Synthetic Cannabinoid is Not Marijuana

SYNTHETIC CANNABINOIDS (K2/SPICE) UNPREDICTABLE DANGER

K2/SPICE IS NOT MARIJUANA

It's often called synthetic marijuana or fake weed because some of its chemicals are like those in marijuana. The effects can be unpredictable and in some cases, severe or even life-threatening.

SYNTHETIC CANNABINOIDS (K2/SPICE) UNPREDICTABLE DANGER

HEALTH EFFECTS OF K2/SPICE ARE UNPREDICTABLE

These drugs can act or many different lines and receptors, inducing the receptors that load to THC (round in margame).

hard manufacture -

BRAIN X Substitut the sprint X Substitut the sprint X Factorial H Substitutions

Shredde plant n



Harford County Health Department

Health consequences of drug misuse affect both physical and mental health



Home » Related Topics » Health Consequences of Drug Misuse

Health Consequences of Drug Misuse

Drug use can have a wide range of short- and long-ter direct and indirect effects. These effects of heart or lung specific drug or drugs used in clude heart or lung taken, the per-Longer-term effects include heavy (AIDS, Longer-term effects, and illness, HIV/AIDS, disease, cancer, mental illness, disease, long hepatitis, and others.

Le constant include heart or lung disease, cancer, manar illness, HIV/AIDS, hepatitis, and others. Long-term drug use can also lead to addiction. Drug addiction is a brain disorder. Not everyone who uses drugs will become addicted, but for some, drug use can change how certain brain circuits

ase, cancer, ng-term n is a brain e addicted, ain circuits ble experience normal pleasures in life such as

work. These brain changes interfere with how people experience normal pleasures in life such as food and sex, their ability to control their stress level, their decision-making, their ability to learn and remember, etc. These changes make it much more difficult for someone to stop taking the drug even when it's having negative effects on their life and they want to quit.

A Case Study: How the opioid epidemic sparked an HIV, hepatitis, and STD outbreak

PUBLIC HEALTH

Mapping How The Opioid Epidemic Sparked An HIV Outbreak

January 14, 2018 · 6:00 AM ET

HEATHER BOERNER

In late 2014, there was an HIV outbreak in rural Scott County, Indiana, population 4,200. By June 2015, **170 people had been diagnosed with HIV** infection. To put this number in perspective, during the 10 years before the outbreak, only 5 people had been diagnosed with HIV in Scott County...

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When people started to show up to Dr. William Cooke's primary care office in Austin, Ind., in 2014 with HIV, Cooke knew it was probably related to the region's opioid

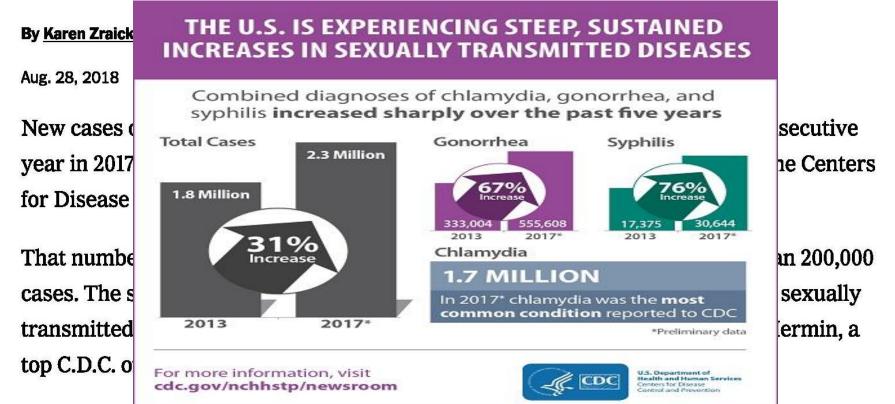
Harm reduction strategies helped turn around this HIV epidemic



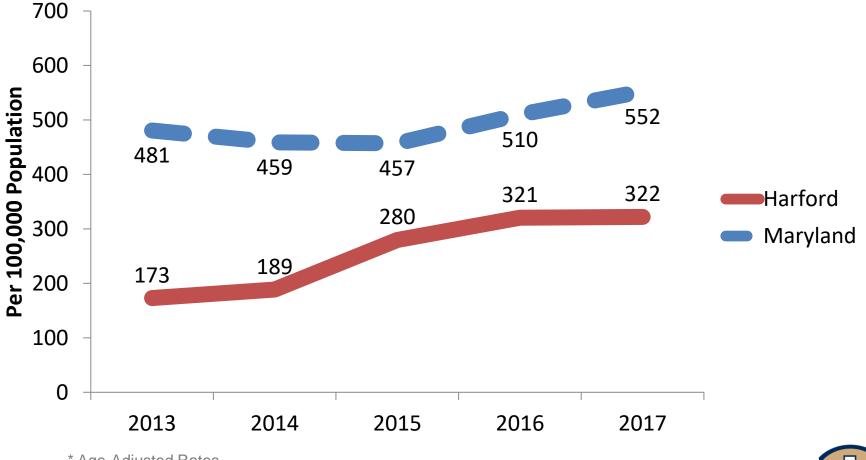
STDs have dramatically increased in the U.S. over the past 5 years

The New York Times

S.T.D. Diagnoses Reach Record 2.3 Million New Cases in U.S.



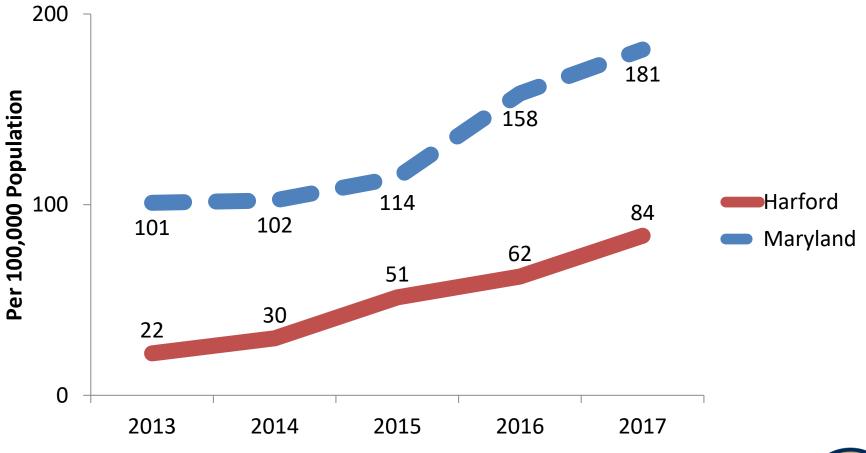
Chlamydia Rates Harford County & Maryland, 2013-2017



* Age-Adjusted Rates Source: Maryland Vital Statistics Reports



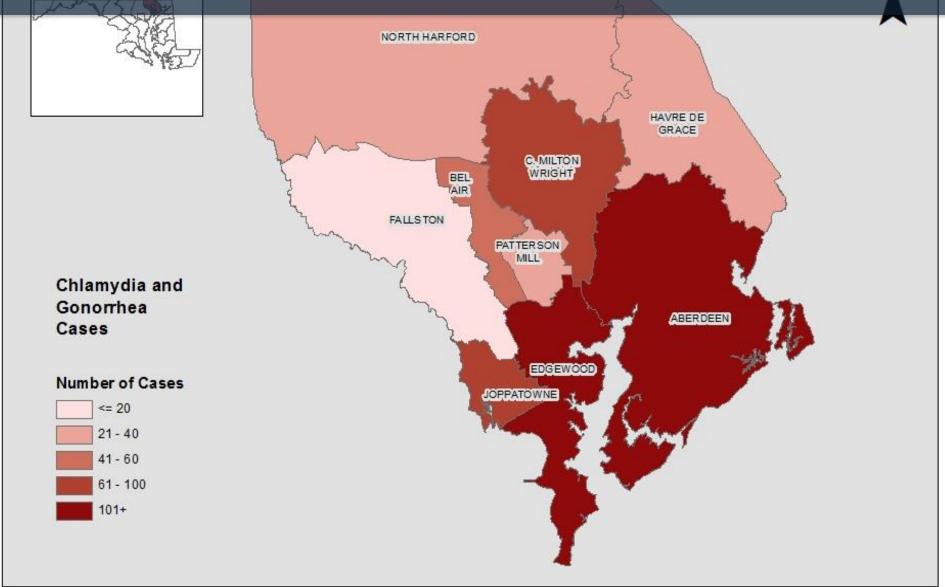
Gonorrhea Rates Harford County & Maryland, 2013-2017



* Age-Adjusted Rates Source: Maryland Vital Statistics Reports

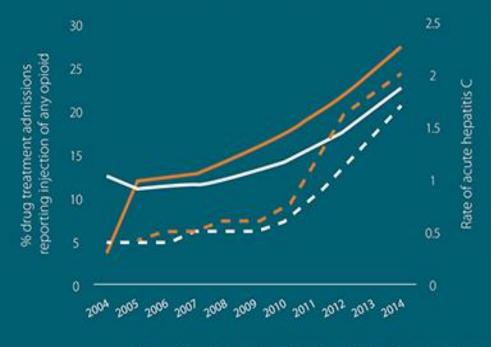


Chlamydia & Gonorrhea Cases by High School Attendance Area, Harford County, 2016-2017, Ages 15-19



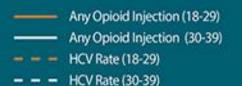
The opioid epidemic is also linked to the increase in Hepatitis C infections

HEPATITIS C AND OPIOID INJECTION ROSE DRAMATICALLY IN YOUNGER AMERICANS FROM 2004-2014



 Among people aged 18-29, HCV increased by 400% and admission for opioid injection by 622%

 Among people aged 30-39, HCV increased by 325% and admission for opioid injection by 83%



Source: Centers for Disease Control and Prevention and Substance Abuse and Mental Health Services Administration



Hepatitis C is a Leading Cause of Liver Cancer

FACT

Hepatitis C is a leading cause of liver cancer.

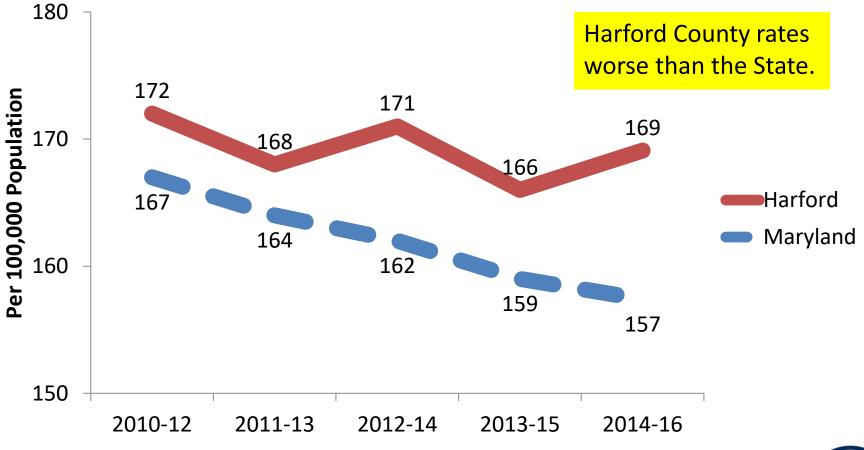


click here to learn more.





Cancer Mortality Rates Harford County & Maryland, 2012-2016



* Age-Adjusted Rates Source: Maryland Vital Statistics Reports



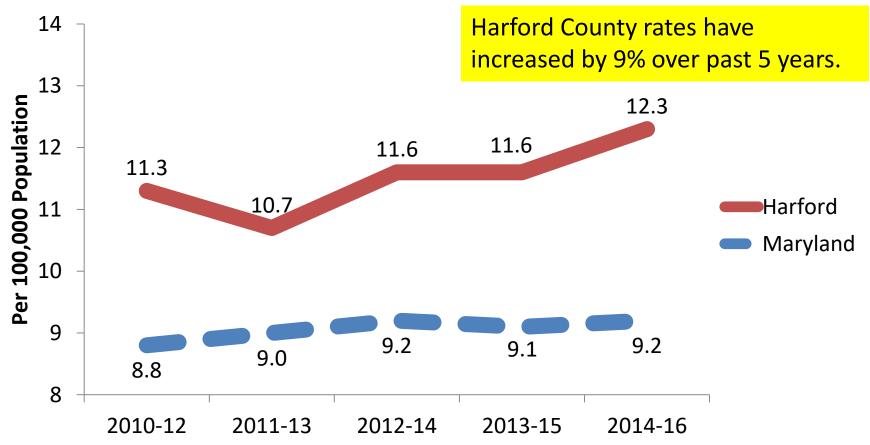
Relationship between untreated substance abuse disorders and suicide

Among Patients with Untreated Substance Abuse Disorders...





Suicide Mortality Rates Harford County & Maryland, 2012-2016



* Age-Adjusted Rates Source: Maryland Vital Statistics Reports



DRAFT

HARFORD COUNTY HEALTH DEPARTMENT

STRATEGIC PLAN 2019-2024

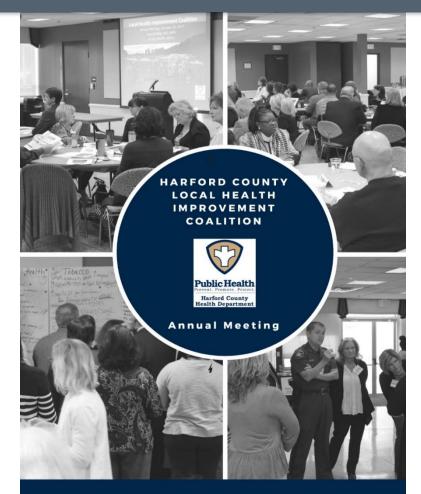
SEPTEMBER 2018



WWW.HARFORDCOUNTYHEALTH.COM



Harford County Local Health Improvement Coalition (LHIC) Meeting



COMMUNITY FORUM • OCTOBER 26, 2017 HARFORD COUNTY COMMUNITY COLLEGE • BEL AIR, MD



Harford County LHIC Health Priorities, 2018







Harford County Health Department



Behavioral Health Birth & Death Certificates **Cancer** Prevention Care Coordination Dental Clinic **Emergency Preparedness Environmental Health** Family Planning Health Insurance HIV/STD Testing Immunizations Tobacco Education WIC





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A GLANCE AT 2018: SERVICES SNAPSHOT

ADMINISTRATION			
9,370	1,9	23	75,787
Birth Certificates Issued	Death Cer Issu		licaid Transport Rides Provided
CARE COORDINATION			
1,622	44	0	120
Clients Navigated through Hea Choice System	alth Healthy F Home		stance Exposed Newborn Referrals
ENVIRONMENTAL			
1,712	87	4	247
Food Service Inspections	Rabies Ex Investiga		Beach & Pool Inspections
SOCIAL WORK			
87	1,47	79	1,143
Monthly Teen Diversion Contacts	School C Visit:	Clinic	School Readiness Counseling Visits
PUBLIC HEALTH EDUCATION			
	PUBLIC HEALTH	TEDUCATION	
20			76
	PUBLIC HEALTH 10,6 K-12 Stu Educated or	72 Idents	76 Cancer Screening Outreach Activities
20 Opioid Education	10,6 к-12 Stu	72 Idents 1 Tobacco	Cancer Screening
20 Opioid Education	10,6 K-12 Stu Educated or	72 Idents 1 Tobacco	Cancer Screening



Harford County Health Department Mission, Vision and Values

<u>Mission</u>

To protect, promote, and improve the health, safety, and environment of Harford County residents.

<u>Vision</u>

To make Harford County the healthiest community in Maryland.

<u>Values</u>

Teamwork, Leadership, Collaboration, Integrity, Commitment, Cultural Sensitivity



Harford County Health Department Strategic Priorities

Priorities

- Financial stability and sustainability
 Increasing services and resources
- Access to care
 - Reducing barriers to care
- Workforce development
 - Strengthening recruitment & retention
- Information technology/data analysis
 Data-driven communications

Performance Management/ Quality Improvement Framework



Cross-Walking HCHD's Strategic Plan With Harford County's Health Priorities





Cross-Walking HCHD's Strategic Plan With Harford County's Health Priorities





Maryland has the 5th highest rate of new moms addicted to opioids

Maryland Has 5th Highest Rate Of New Moms Addicted To Opioids

The CDC says the number of pregnant women using opioids has increased exponentially, including in Maryland.

By Elizabeth Janney, Patch Staff | Aug 21, 2018 10:56 am ET | Updated Aug 21, 2018 10:59 am ET



MARYLAND — The number of pregnant women using opioids such as heroin and fentanyl has skyrocketed nationwide. Federal health officials say it now poses a "significant public health concern."

Between 1999 and 2014, the national prevalence of opioid use disorder more than quadrupled from 1.5 cases per 1,000 deliveries to 6.5, the Centers for Disease Control and Prevention (CDC) reported this month.



ADVERSE CHILDHOOD EXPERIENCES - ACES

WHAT ARE THEY?

What are Adverse Childhood Experiences (ACEs)? ACEs are potentially traumatic events that occur in a child's life:



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Causing lifelong medical, mental & social suffering

Adverse Childhood Experiences (ACEs) Influences both mental and physical health

A PERSON WITH 4 OR MORE ADVERSE CHILDHOOD EXPERIENCES IS*

12.2 TIMES AS LIKELY TO ATTEMPT SUICIDE10.3 TIMES AS LIKELY TO USE INJECTION DRUGS7.4 TIMES AS LIKELY TO BE AN ALCOHOLIC

*Vincent J. Felitti, et al., The Adverse Childhood Experiences (ACE) study, 14 AMERICAN J. OF PREVENTATIVE MEDICINE 245 (1998).

A PERSON WITH 4 OR MORE ADVERSE CHILDHOOD EXPERIENCES IS*

2.2 TIMES AS LIKELY TO HAVE ISCHEMIC HEART DISEASE
2.4 TIMES AS LIKELY TO HAVE A STROKE
1.9 TIMES AS LIKELY TO HAVE CANCER
1.6 TIMES AS LIKELY TO HAVE DIABETES

*Vincent J. Felitti, et al., The Adverse Childhood Experiences (ACE) study, 14 AMERICAN J. OF PREVENTATIVE MEDICINE 245 (1998)



Family Health and Resiliency



Others chose to offer residential, vocational, socialization and other rehabilitation services

spiritual lives

B Baron, R.C. (2010). Into the Thick of Things: Connecting Consumers to Community Life: A Compendium of Inclusion Initiatives For People with Psychiatric Disabilities At Consumer Run Programs. Philadelphia, PA versity Collaborative on Community Inclusion of Individuals with Psychiatric Disabilities. Available at w tucollaborative ore

mental health problems

physical problems





sexual problems

reproductive problems

How the opioid/HIV outbreak was managed through public health interventions

'There is hope.' Peer recovery coaches use experience to help others overcome addiction.

Billy Kobin, Indianapolis Star Published 6:00 a.m. ET Aug. 12, 2018



(Photo: Michelle Pemberton/IndyStar) Matt Heskett had been struggling with painkillers, alcohol and heroin for several years. He was sleeping out of his car. He was broke.

Then, in the fall of 2015, police raided a trailer he was in with several others on the west side of Indianapolis.

The police were serving warrants. None of the warrants had been issued for Heskett. Still, with no money and a car almost out of gas, he found himself in a reflective mood.

"That was kind of the moment where it all smacked me in the face," Heskett said. "I just remember going across the street to a gas station and kind of thinking to myself, 'Is this really what my life is today?"

Fast forward to 2018, and Heskett's life is much different.

HELPING FAMILIES

Do you need help with any of the following services?

Addictions/Behavioral Birth Certificates C Health 410.877.2340 410.838.1500 He Medication Management, OP/ Available to those born in He IOP Treatment, & Peer Recovery Maryland throw

HIV/ STI

410.638.3060 Provides HIV and STI testing and treatment

Tobacco Cessation

410.612.1781 Provides tobacco education, treatment and prevention

Care Coordination

ecover

410.942.7999 Helps to educate families regarding services offered through the Medicaid system

Immunizations

410.612.1779 Offered to uninsured and underinsured children ages 2-18

Transportation Services

410.638.1671 Offers transportation to those on Medical Assistance and other populations

Dental Care

443.922.7670 Serves children ages 1 through 20 and pregnant women on Medical Assistance

Infants and Toddlers

410.638.3823 Provides early intervention services to children, ages 1-4, who have, or are at risk of, having developmental delays

Women, Infants, and Children (WIC)

410.939.6680 Provides nutrition education, breastfeeding support and healthcare referrals



Contact a Harford County Health Department Care Coordination/Peer Recovery Specialist at 410.459.8727 Families are the Heart of Our Community

Maryland Health

410.942.7999 Provides free healthcare to eligible pregnant women and children with low to average income

Family Planning/ Reproductive Health

410.612.1779

Provides gynecological exams/

pregnancy tests and emergency