

Harford County Board of Health Update

October 17, 2017

Russell Moy, MD, MPH

Acting Health Officer



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Harford County Health Department (HCHD)

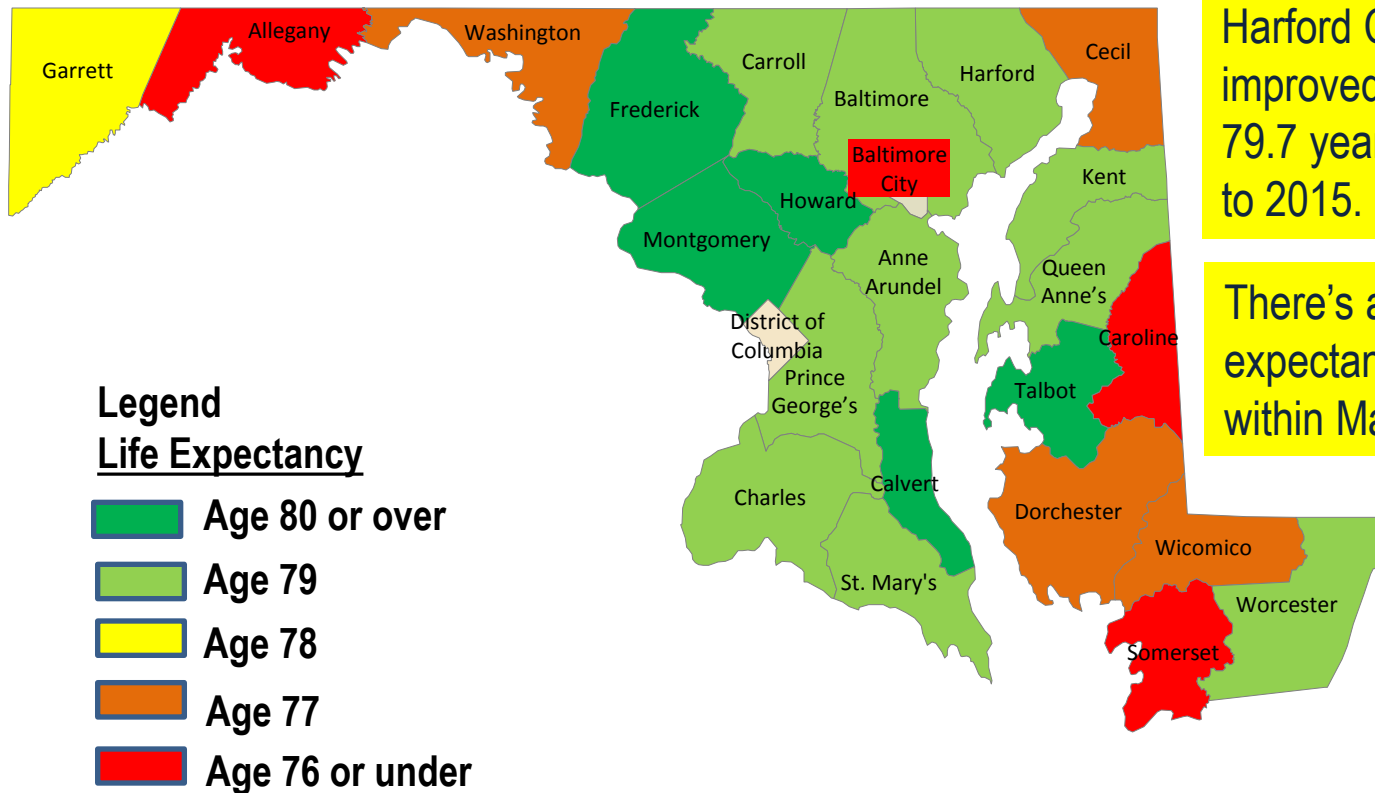
Today's Update

- The health of Harford County residents
- Status of the opioid crisis
- Key health issues ahead



How healthy are Harford County residents?

What is our average life expectancy?



Harford County has improved from 79.6 to 79.7 years from 2014 to 2015.

There's a 10-year life expectancy disparity within Maryland.

"Beyond Health Care," RWJF Commission to Build a Healthier America, 2009
Source: Maryland Vital Statistics, 2015



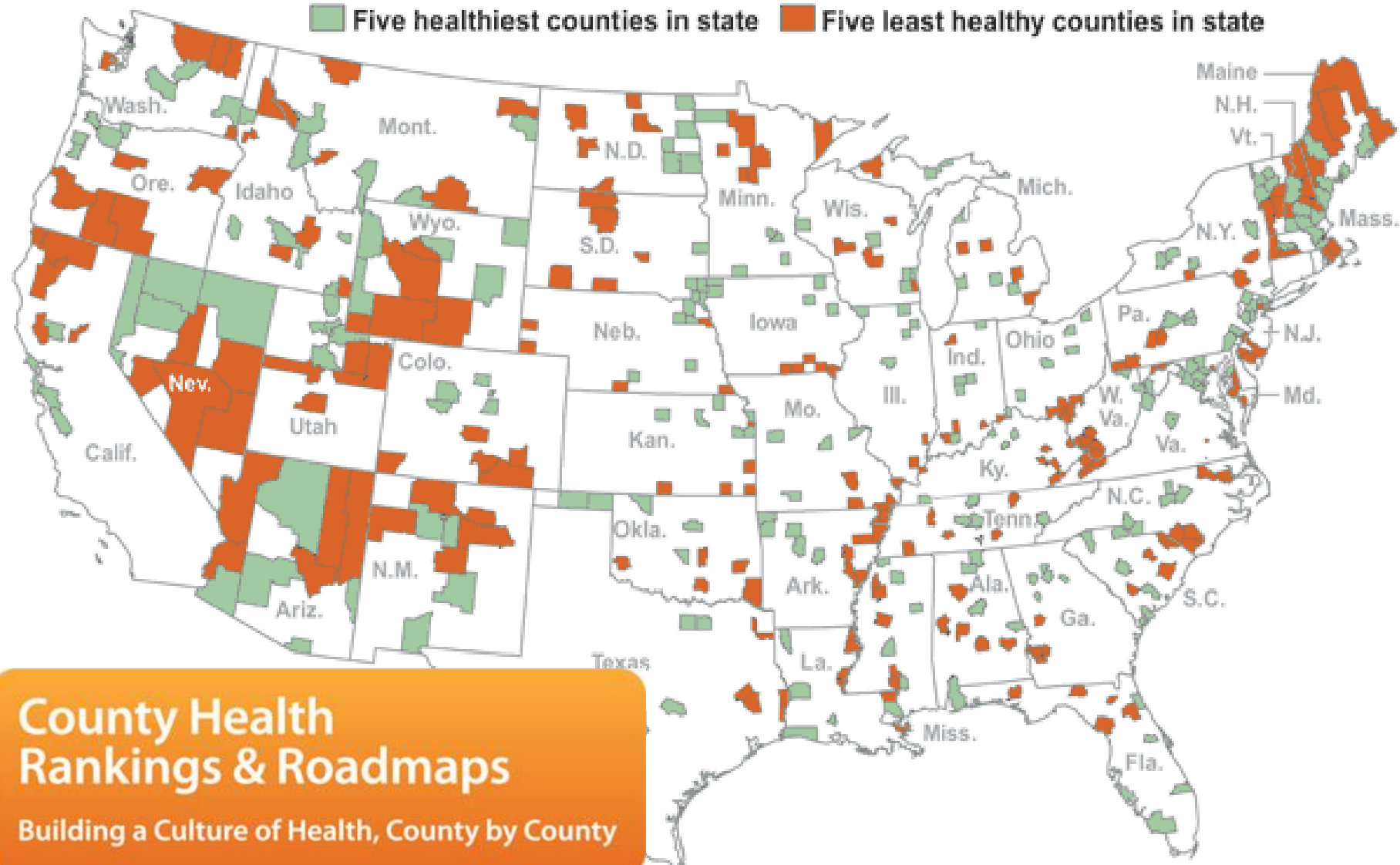
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State-by-state: Counties rated highest and lowest in health

Researchers ranked counties by "health outcomes" and "health factors." This map represents "health outcomes," based on disease and death rates in each county.

■ Five healthiest counties in state ■ Five least healthy counties in state



County Health Rankings & Roadmaps

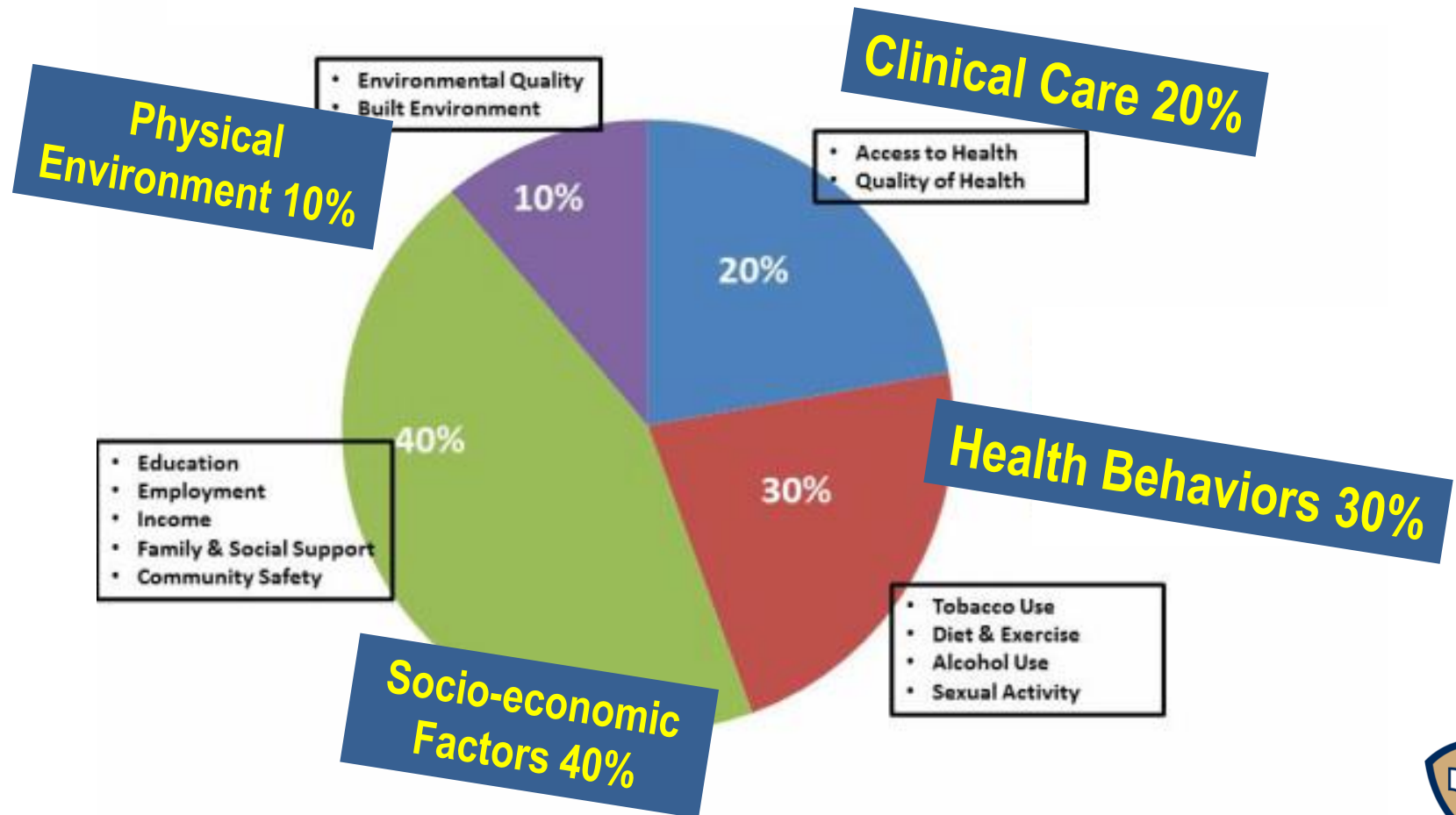
Building a Culture of Health, County by County

A Robert Wood Johnson Foundation program

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A community's health is more than mortality and clinical care . . .



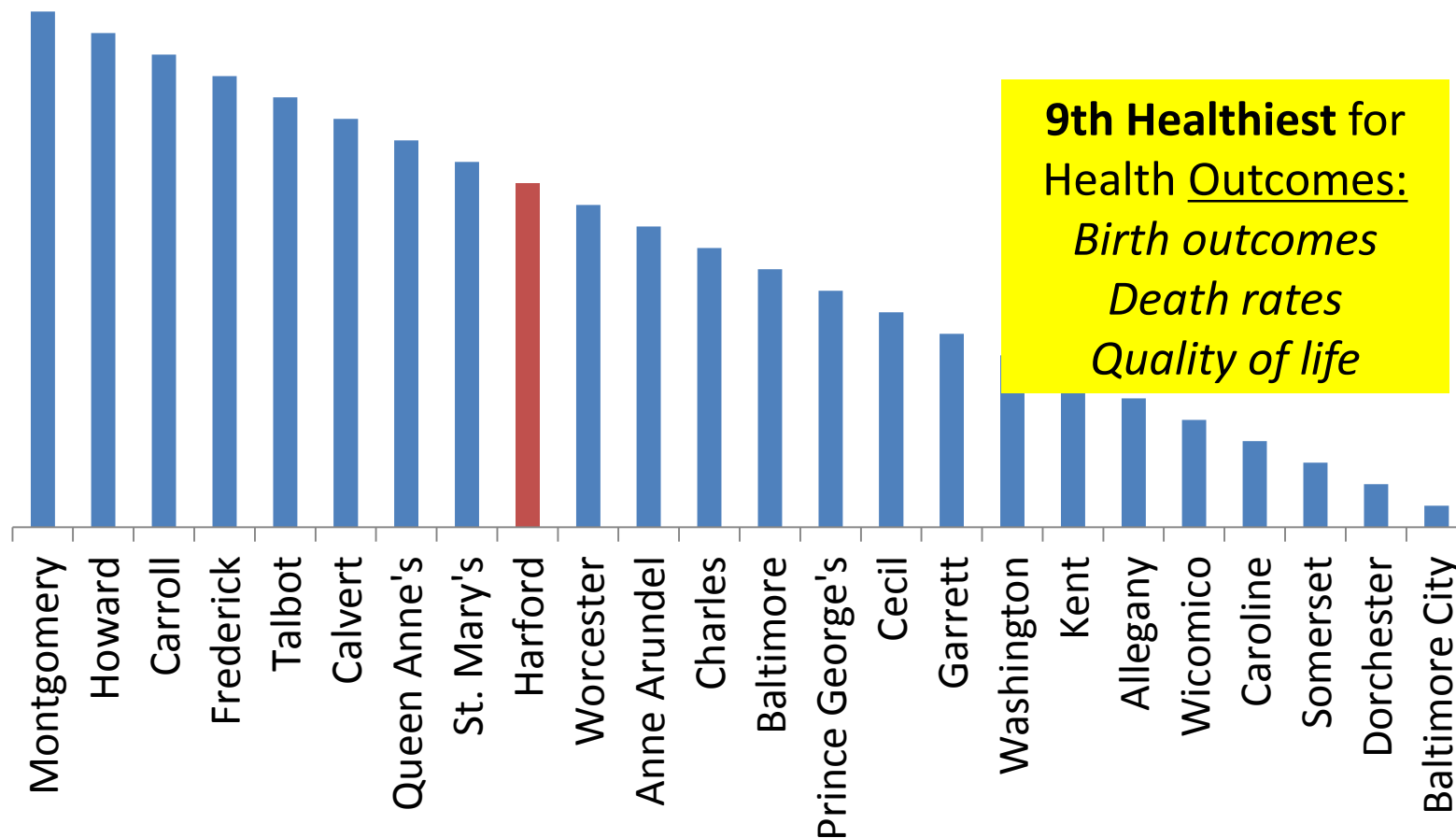


80%

**of what influences your
health and life expectancy
happens outside of the
healthcare system**

Health Outcomes Rankings

By Maryland Jurisdiction, 2017

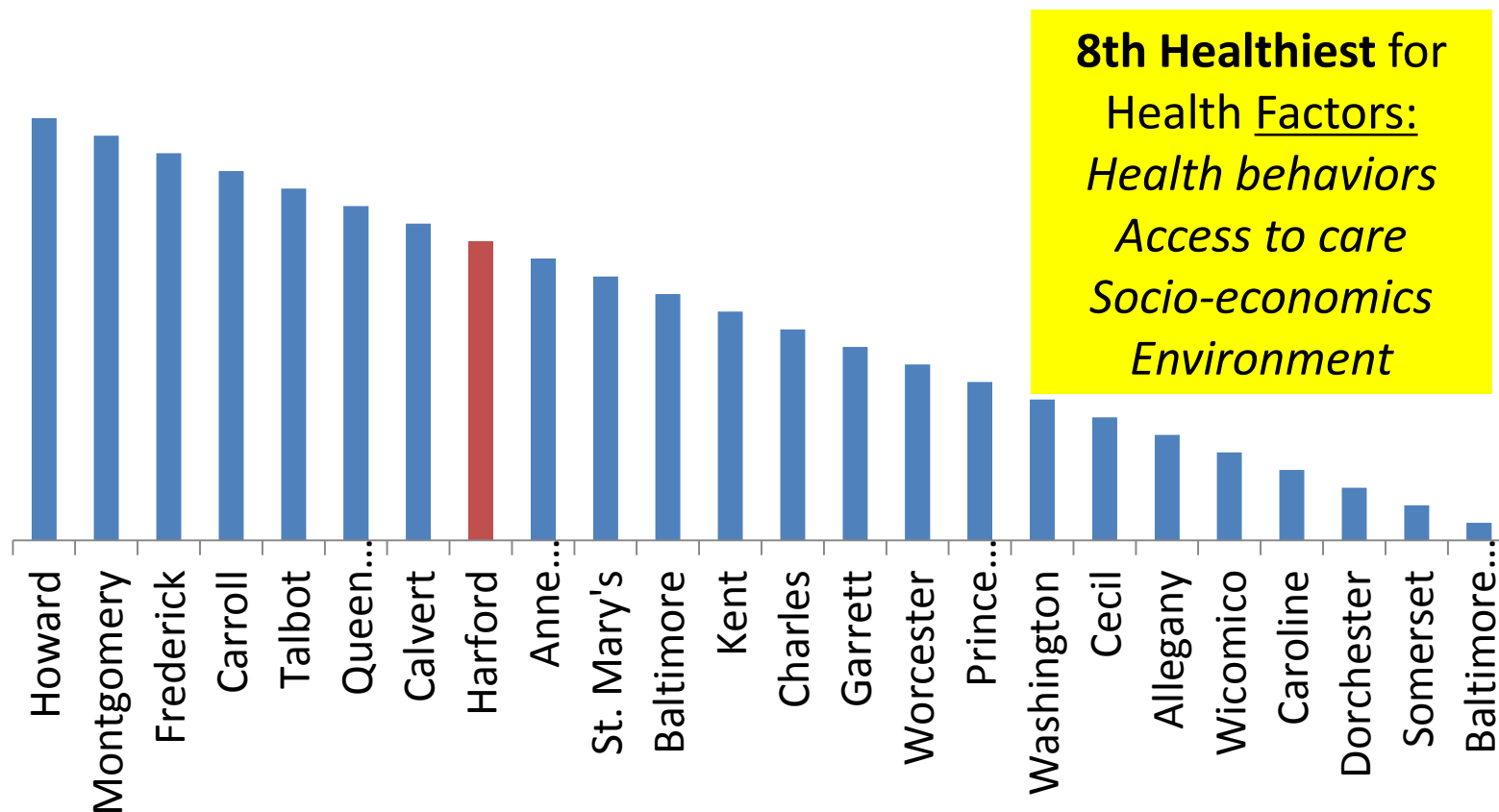


Source: County Health Rankings, RWJF, 2017



Health Factors Rankings

By Maryland Jurisdiction, 2017

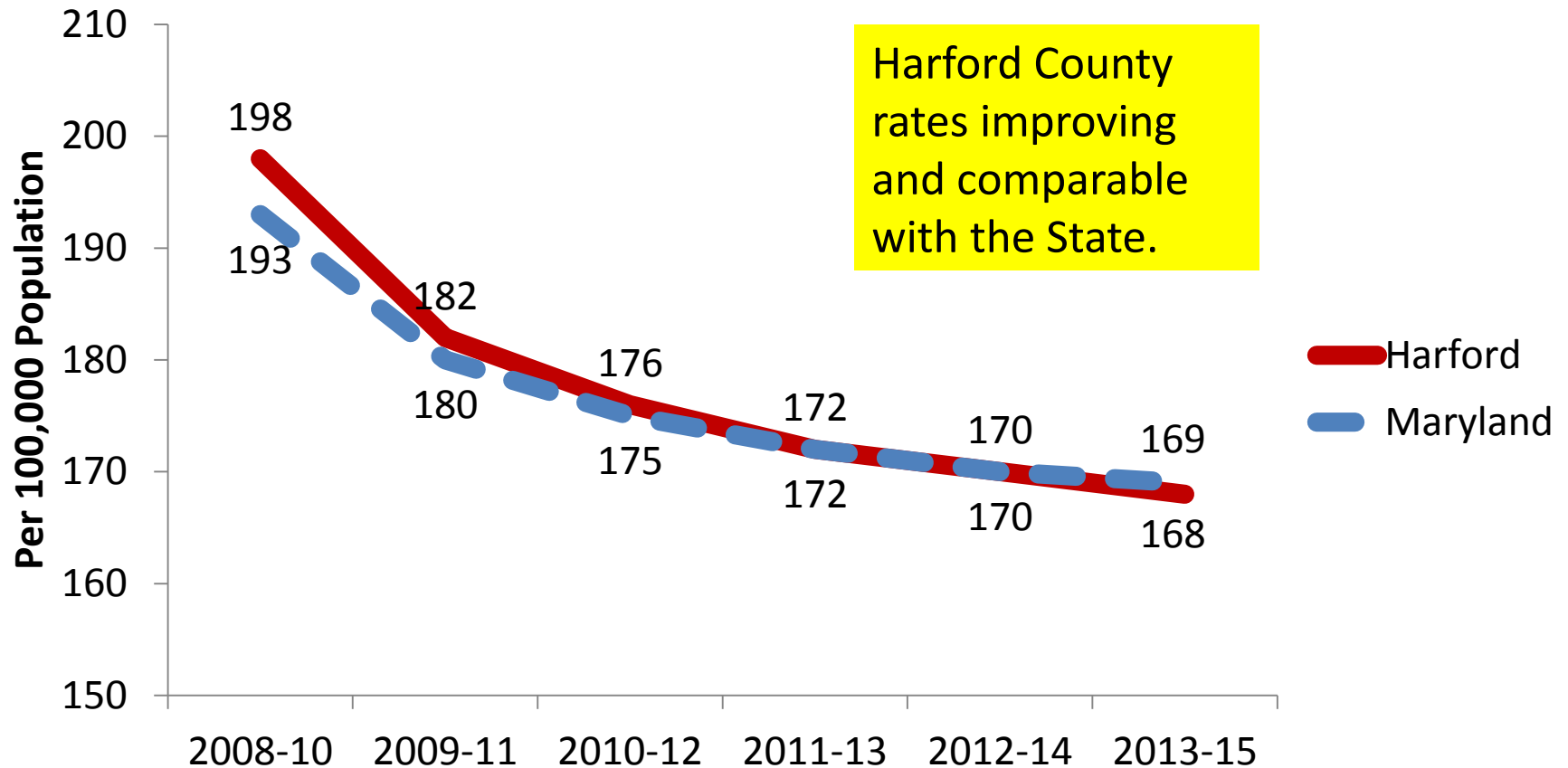


Source: County Health Rankings, RWJF, 2017



Heart Disease Mortality Rates

Harford County & Maryland, 2008-2015



* Age-Adjusted Rates

Source: Maryland Vital Statistics Reports

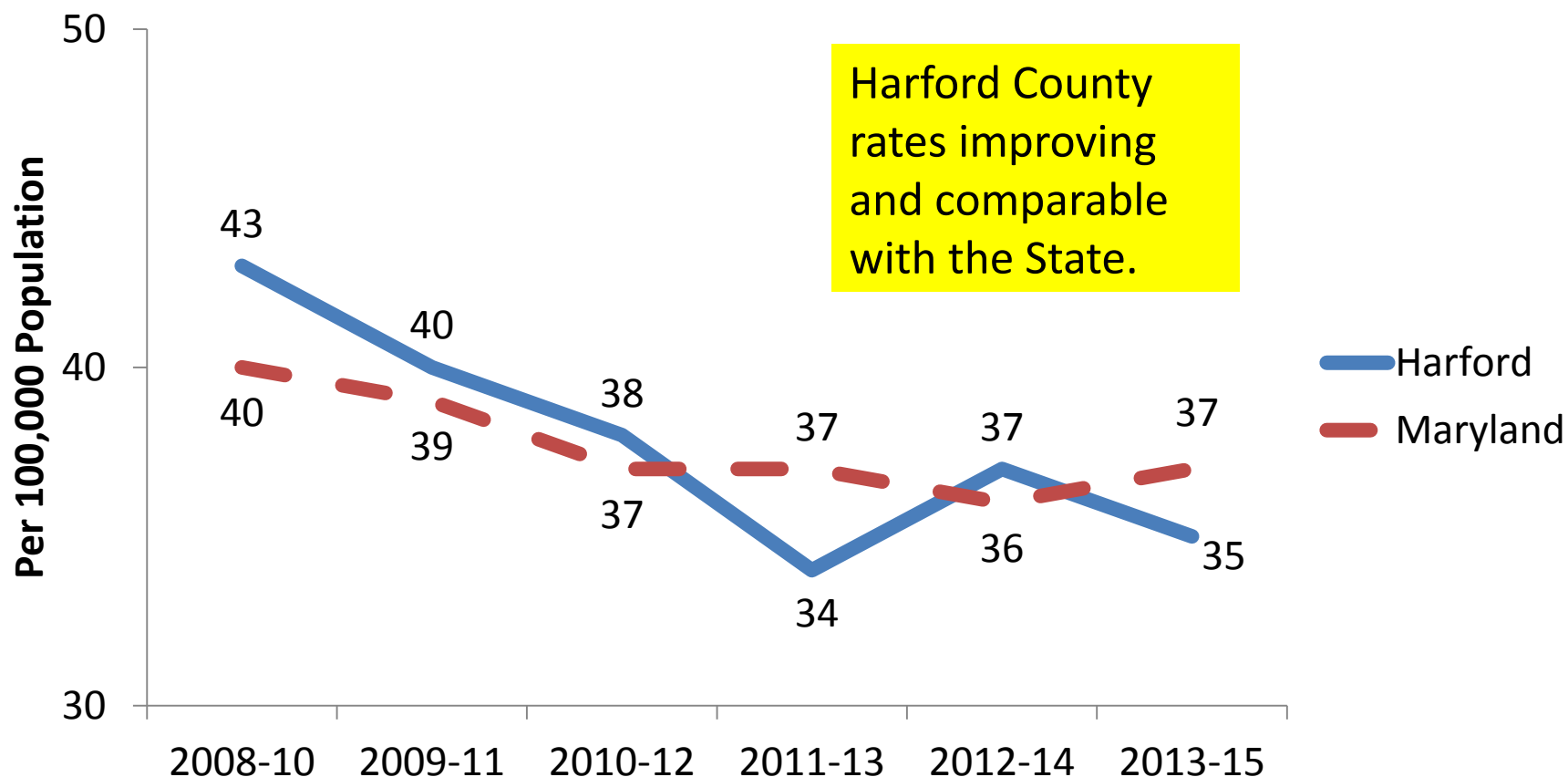


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Stroke Mortality Rates

Harford County & Maryland, 2008-2015



* Age-Adjusted Rates

Source: Maryland Vital Statistics Reports

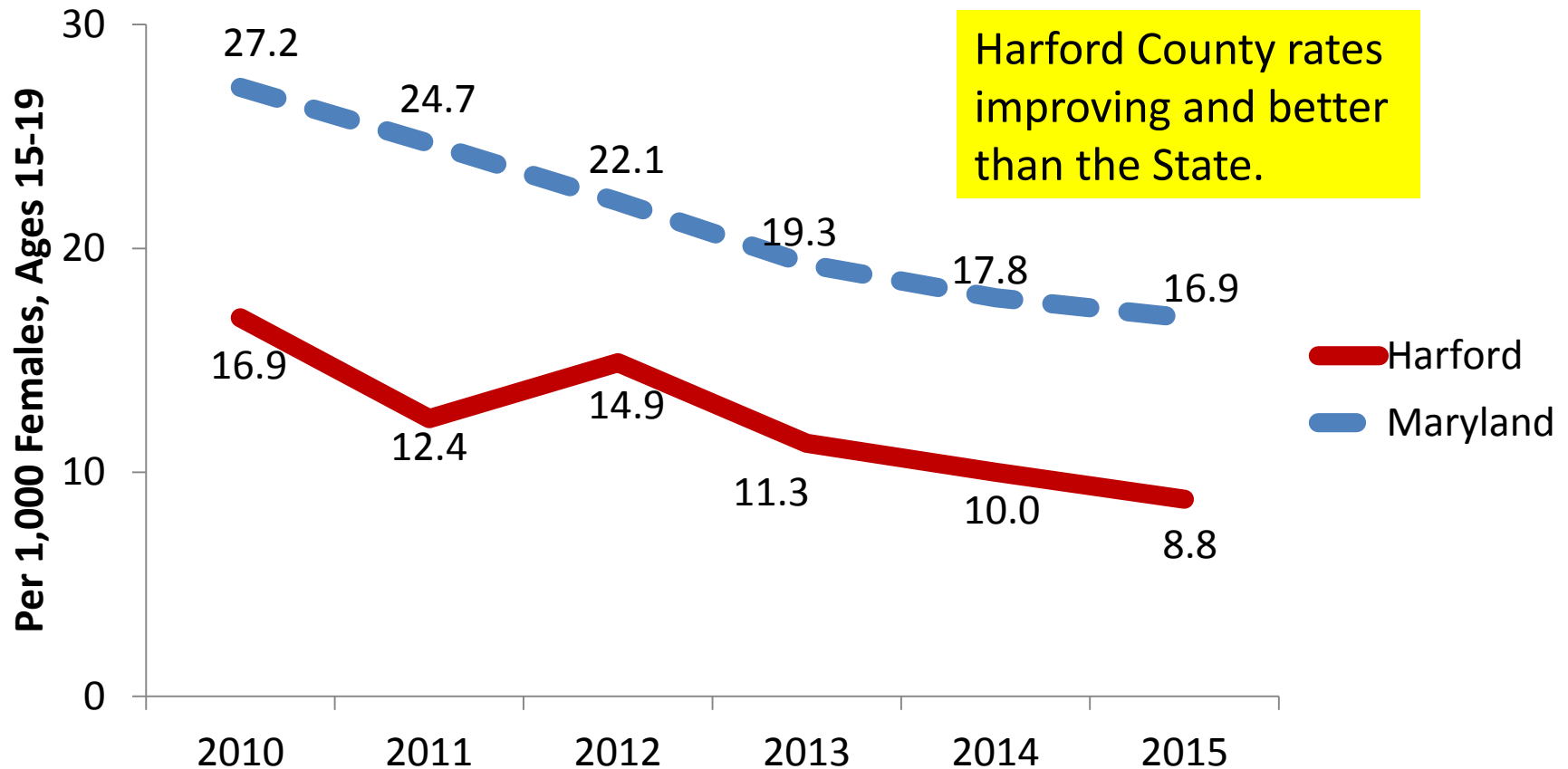


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Teen Birth Rates

Harford County & Maryland, 2010-2015



* Age-Adjusted Rates

Source: Maryland Vital Statistics Reports

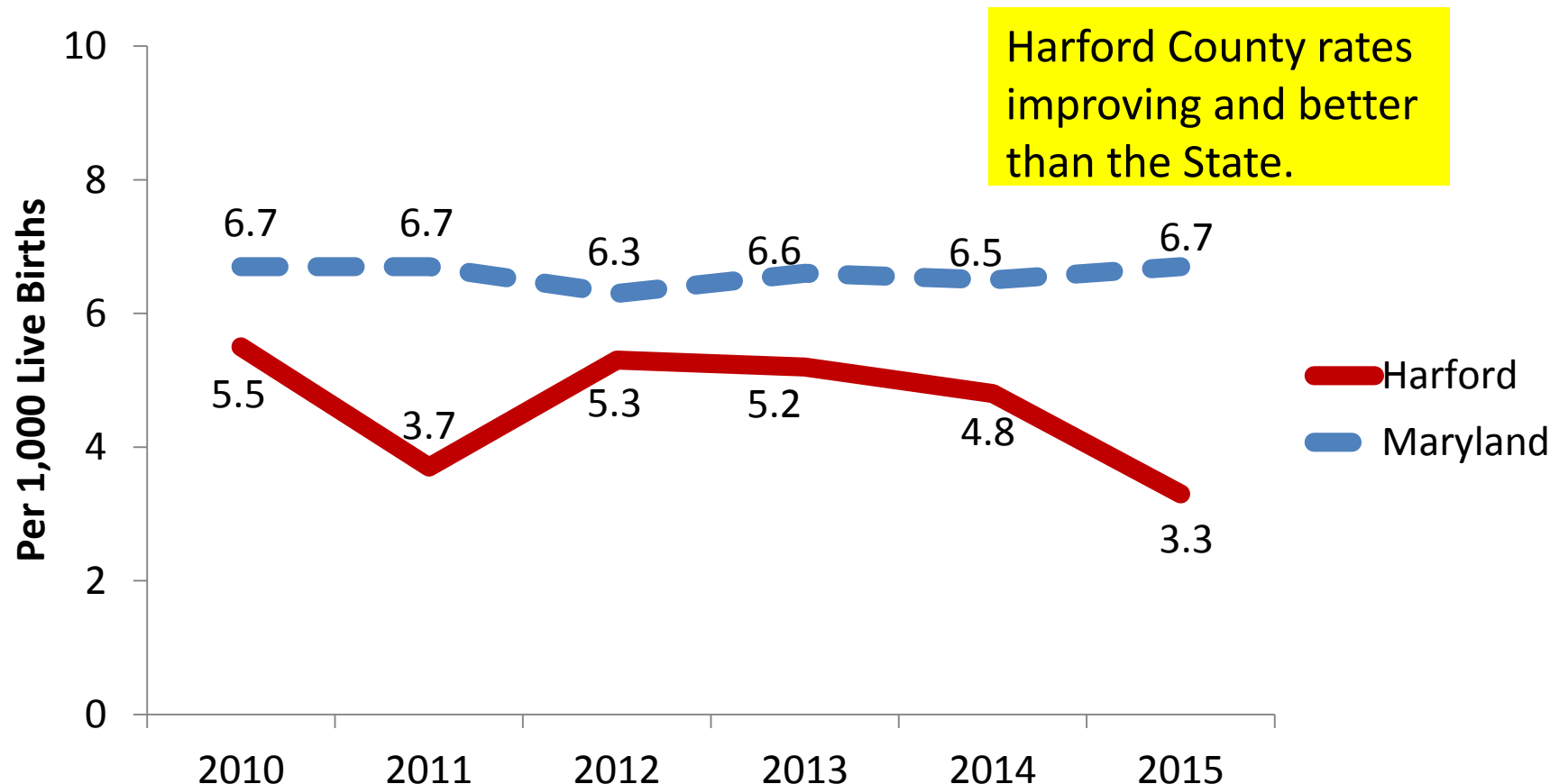


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Infant Mortality Rates

Harford County & Maryland, 2010-2015



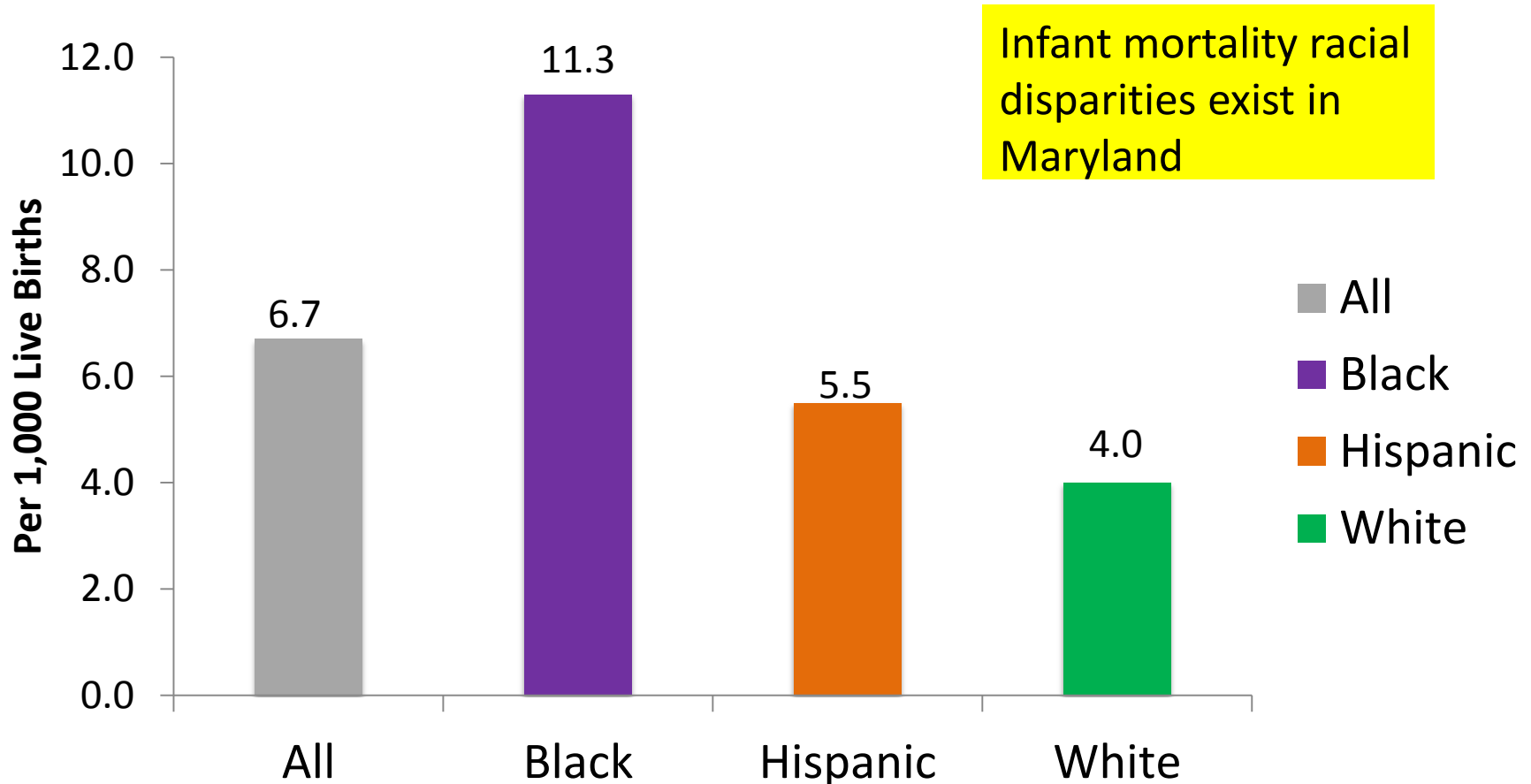
* Age-Adjusted Rates

Source: Maryland Vital Statistics Reports



Infant Mortality Rates

By Race/Ethnicity, Maryland, 2015

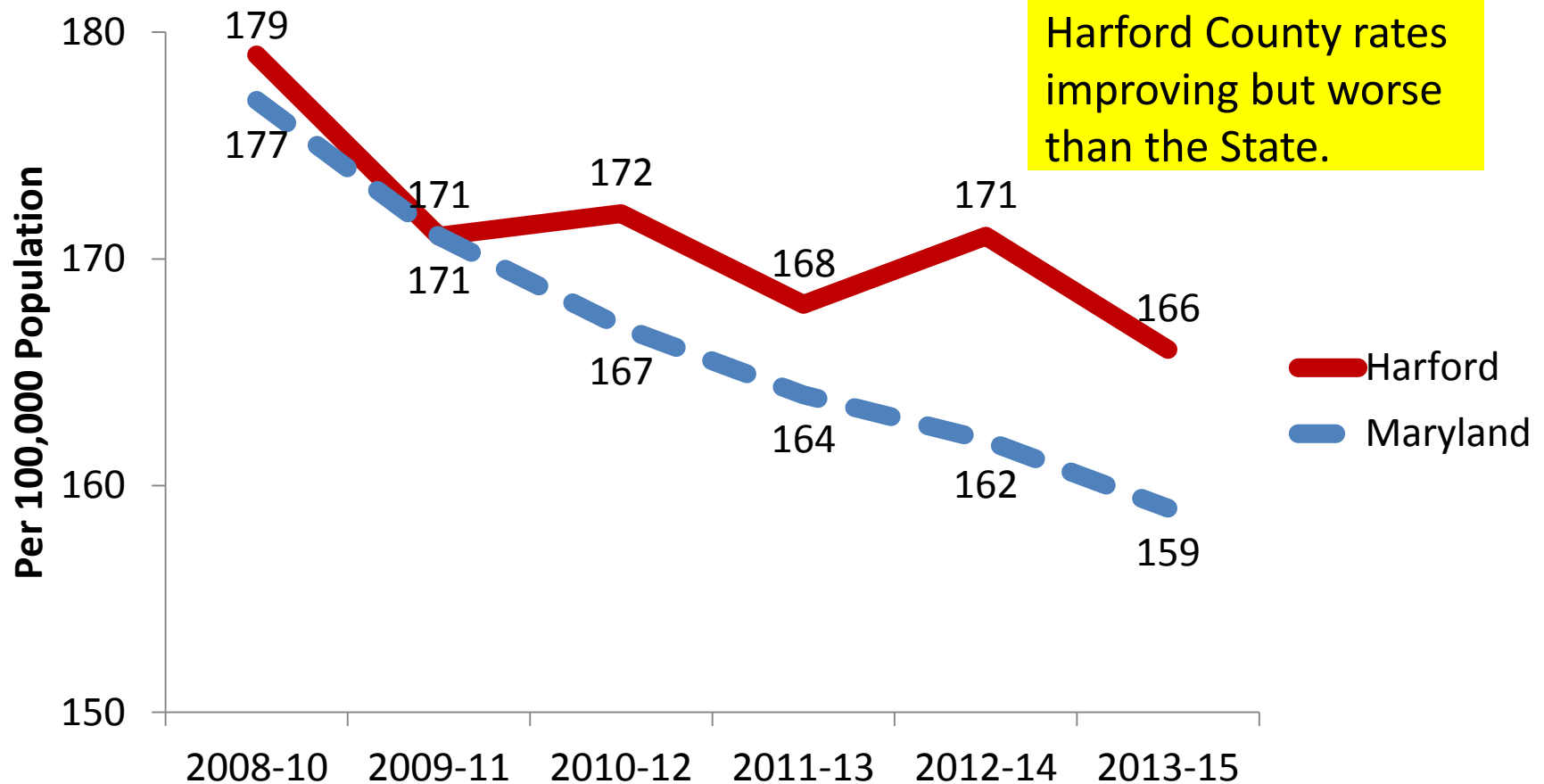


Source: Maryland Vital Statistics, 2015



Cancer Mortality Rates

Harford County & Maryland, 2008-2015



* Age-Adjusted Rates

Source: Maryland Vital Statistics Reports

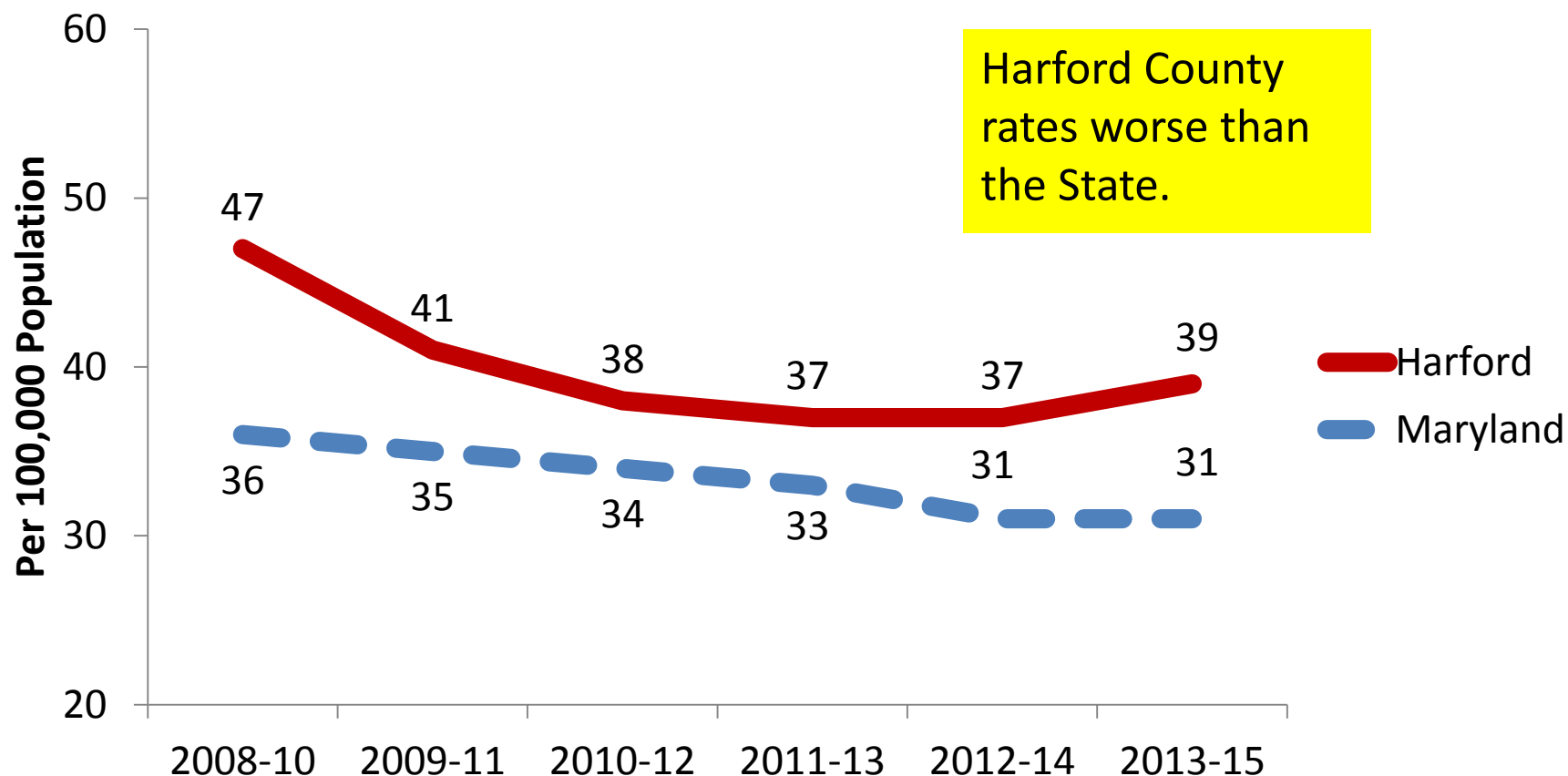


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COPD Mortality Rates

Harford County & Maryland, 2008-2015

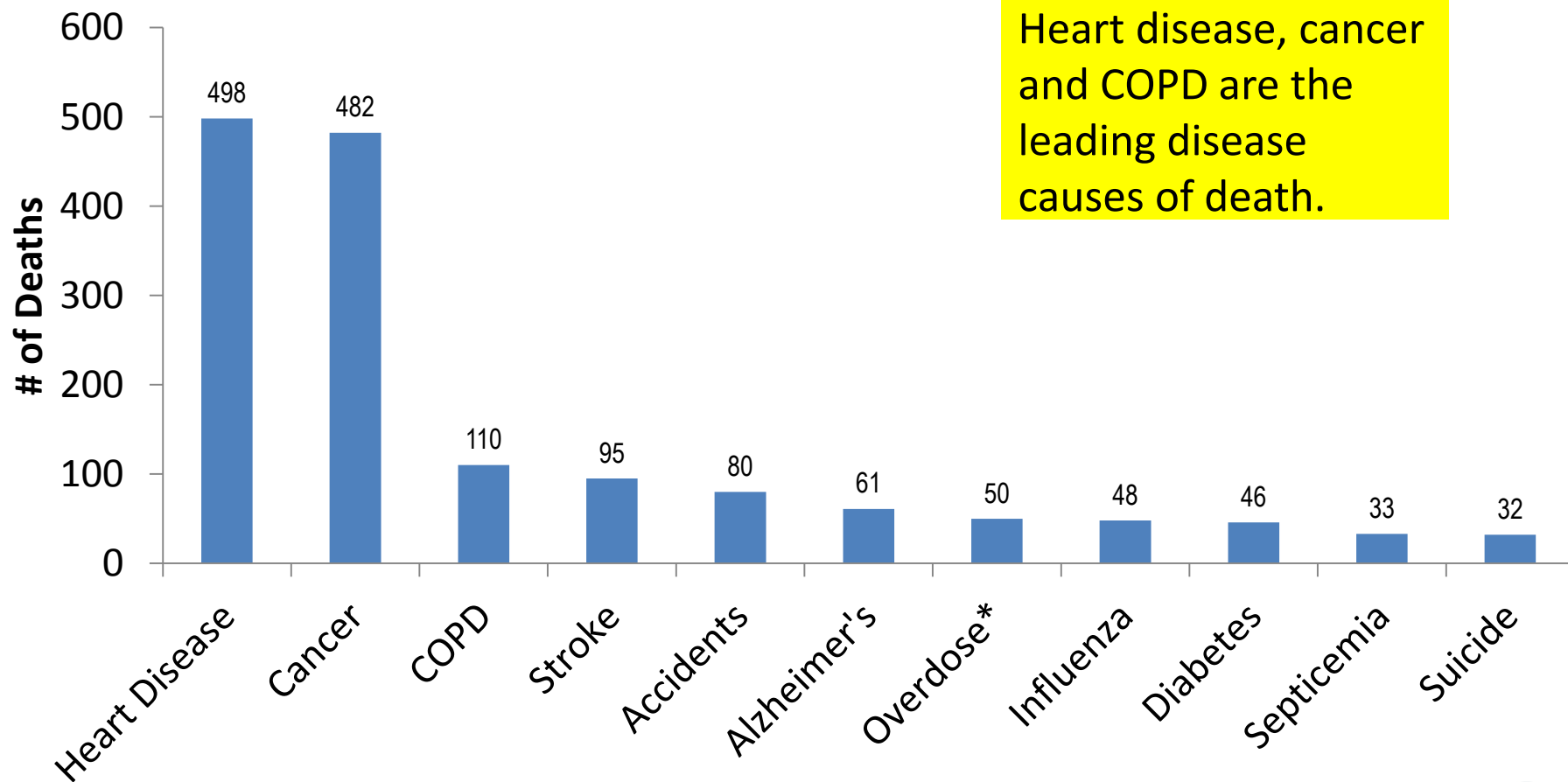


* Age-Adjusted Rates
Source: Maryland Vital Statistics Reports



The Leading Causes of Death

Harford County, 2015



Age-Adjusted Rates

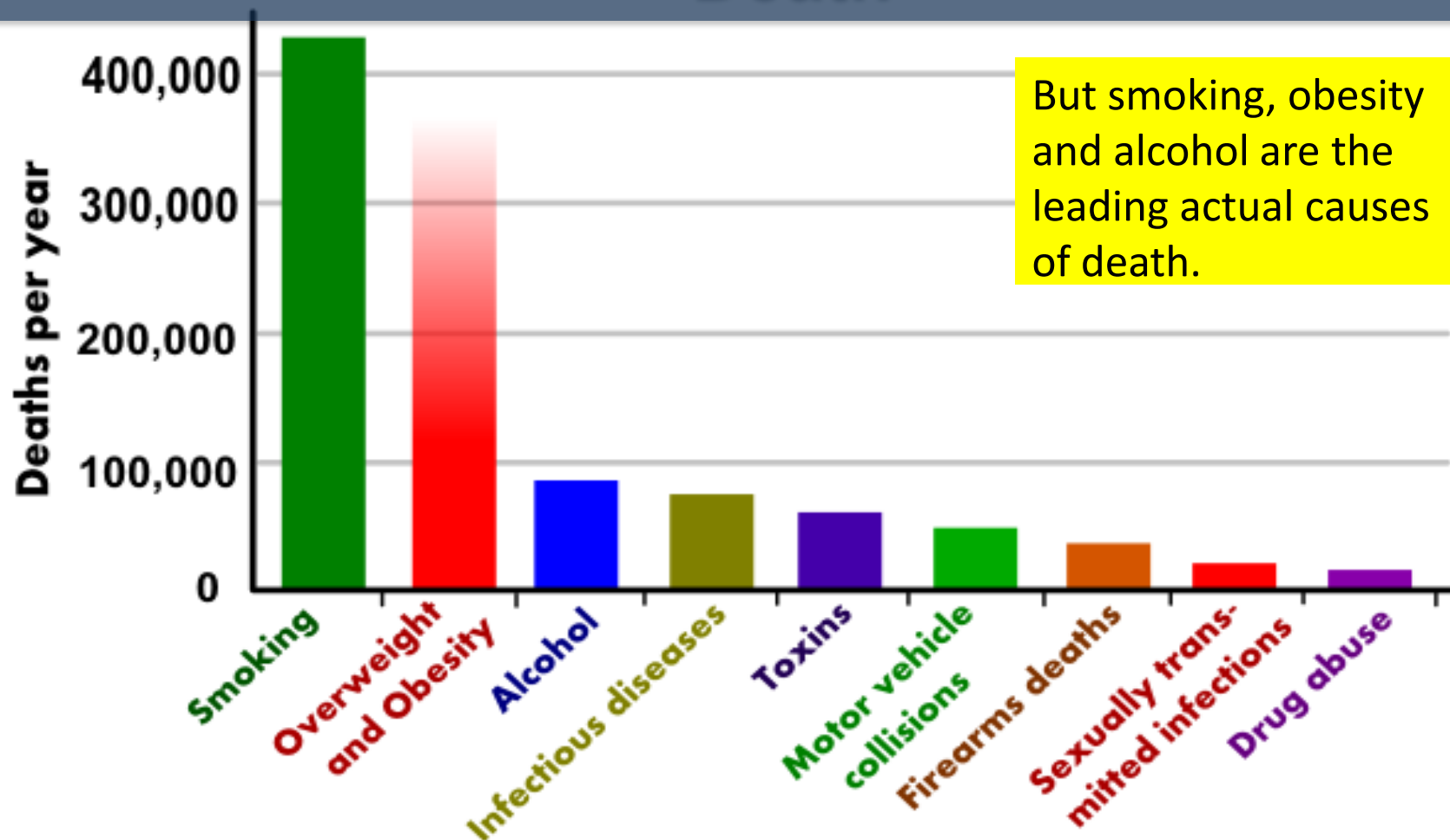
Source: Maryland Vital Statistics, 2015



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The Leading Actual Underlying Causes of Death



Source: Mokdad et al, "Actual Causes of Death in the U.S., 2000" JAMA, 3/19/2004



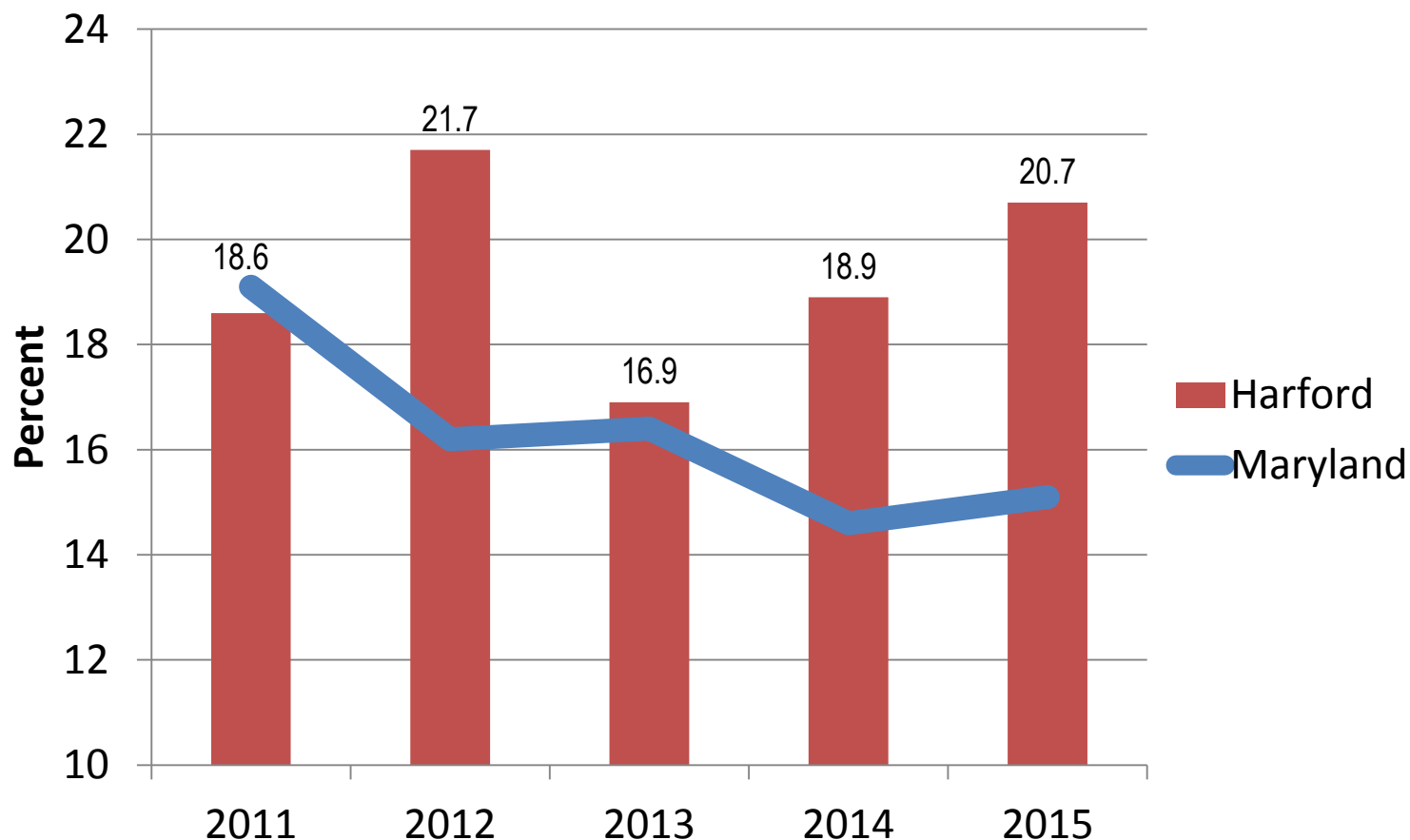
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Adult Smoking Rates

Harford County & Maryland, 2011-2015

Harford County adult use rates remain higher than the State average.

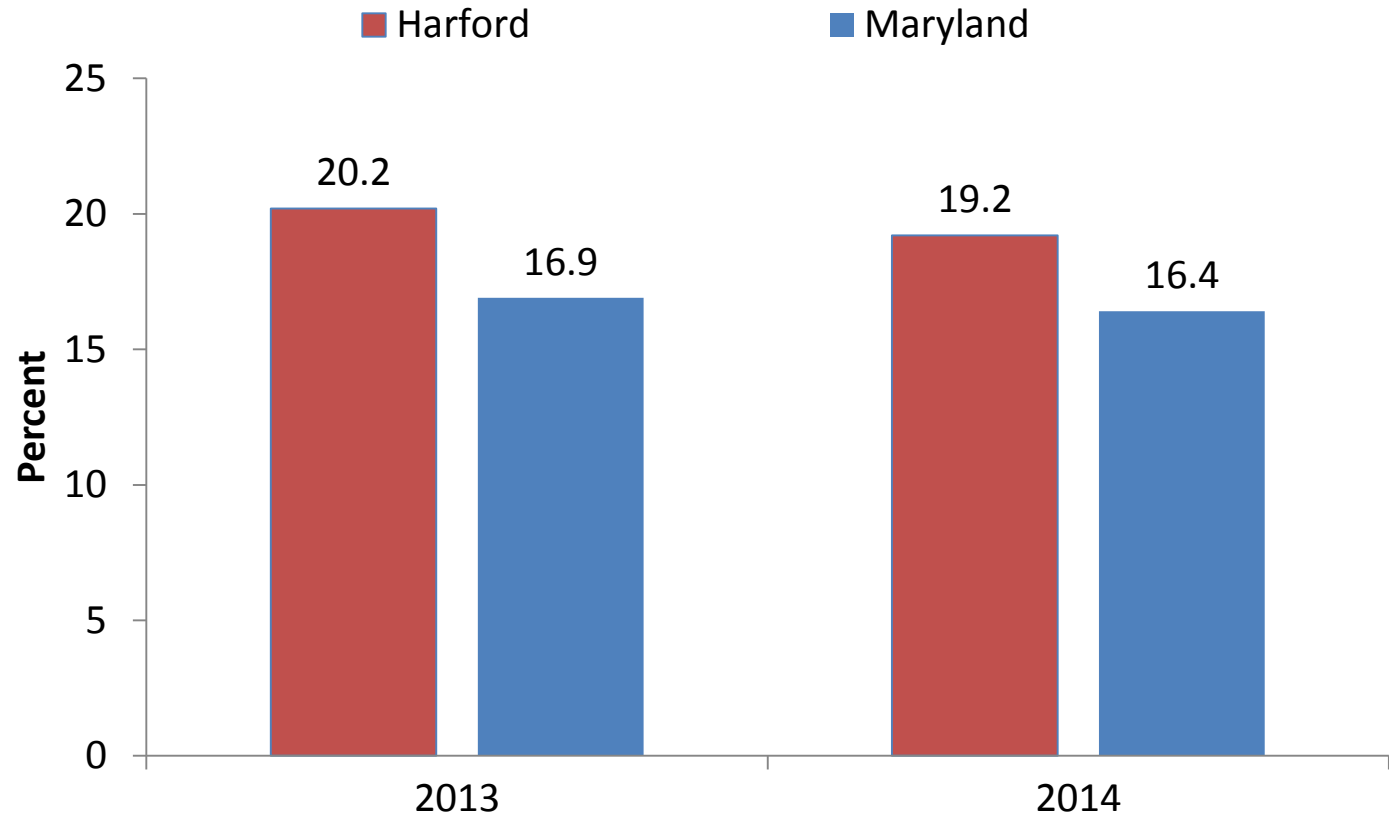


Source: phpa.health.maryland.gov
MD BRFSS, 2011-15



Adolescent Tobacco Use Rates

Harford County & Maryland, 2013-2014



Note: Students Grades 9-12 who used any tobacco products in the past 30 days

Source: Maryland YRBSS, 2013 and 2014:



HCHD Tobacco Use Prevention Efforts

- Public health education and cessation sessions
- Maryland's Quitline Referrals 1-800-QUIT-NOW
- Unlawful youth tobacco sales – compliance checks
 - HB 185 (2017) – Distribution of Tobacco Products to Minors – statewide law passed, effective 10/1/17
 - Supported by research showing that civil enforcement of youth tobacco sales is more effective than criminal enforcement
 - Youth tobacco use addressed as a public health issue, not a criminal issue



Impact of the opioid overdose crisis

OPPIOIDS

A close-up photograph of a hand with black nail polish holding a white pill. The hand is positioned in the center, with the thumb and index finger gripping the pill. Surrounding the hand are numerous other pills, some whole and some broken, scattered on a dark, textured surface. The lighting is dramatic, highlighting the hand and the pills.

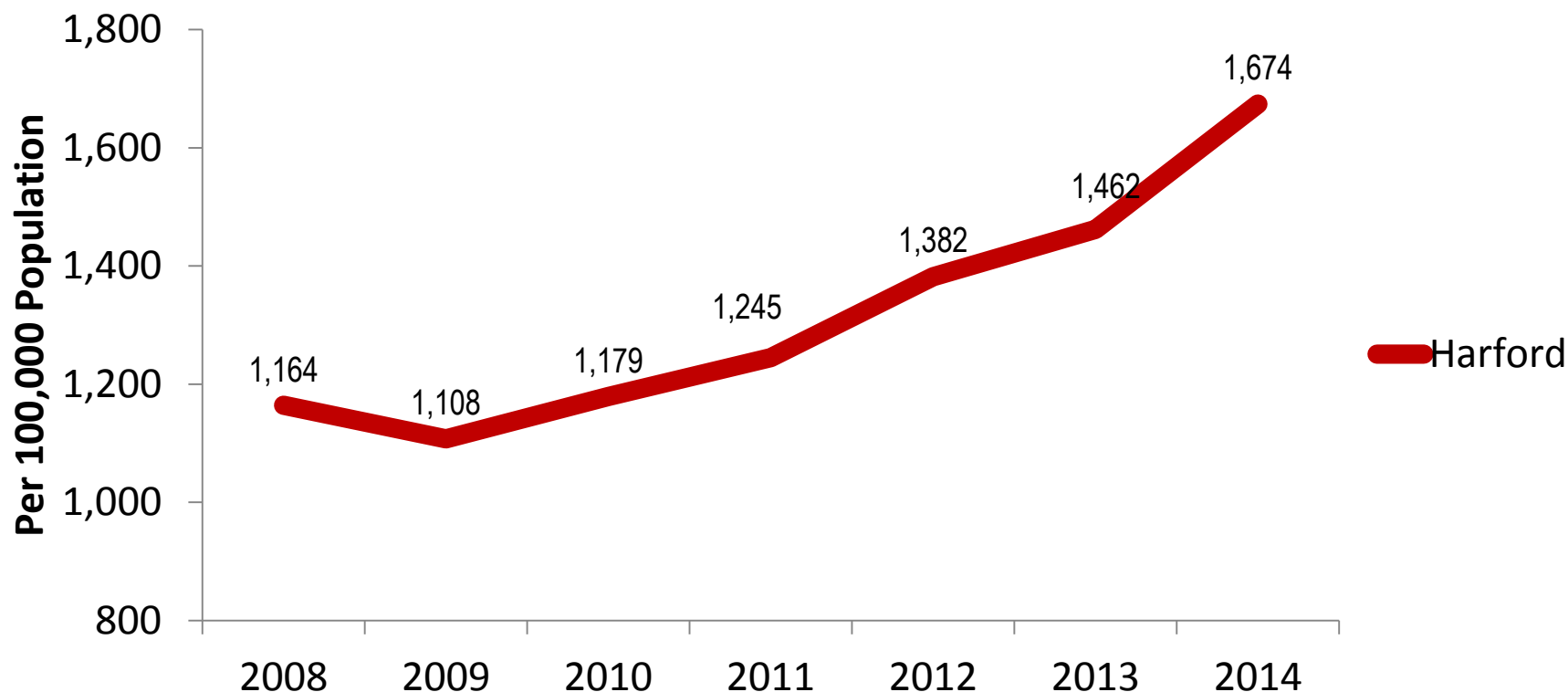
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Emergency Dept Visits for Addictions Conditions

Harford County, 2008-2015

Harford



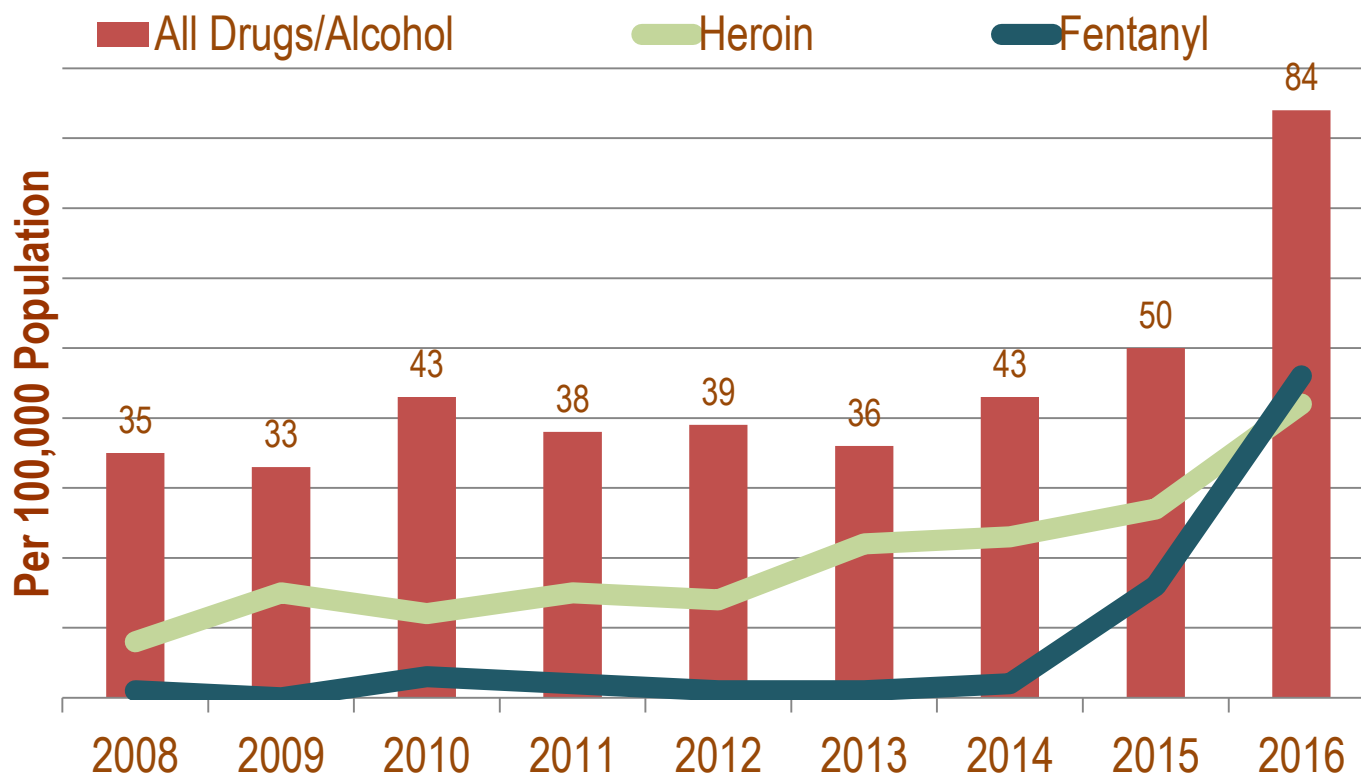
Source: Maryland Vital Statistics Reports



Drug & Alcohol Intoxication Deaths

By place of occurrence, Harford County, 2008-2016

Harford County had a 68% increase in overdose deaths from 2015-2016. Preliminary data for 2017 indicate a possible 100% increase from 2016-2017.

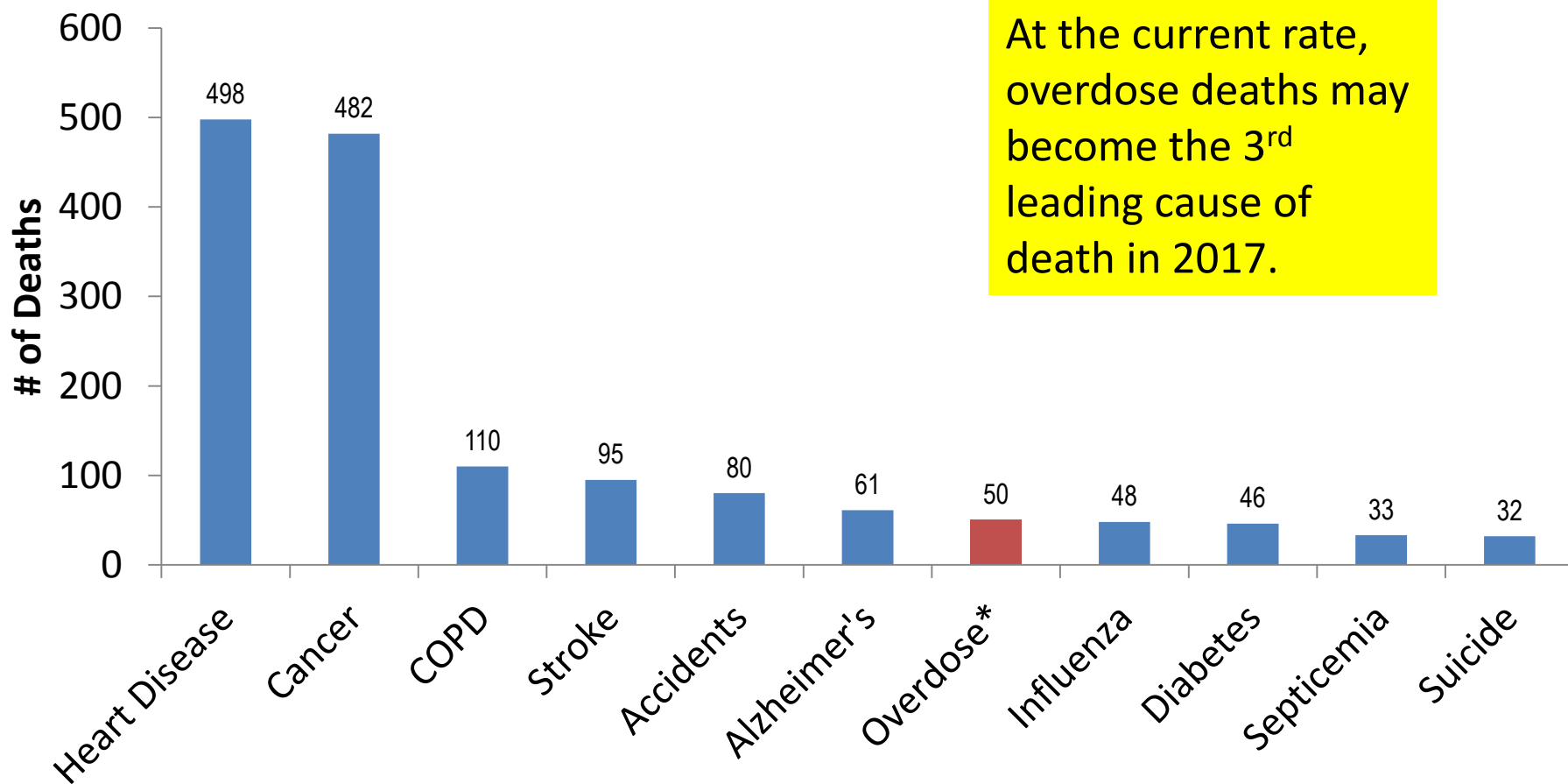


Source: Maryland Vital Statistics: Drug- and Alcohol-Related Intoxication Deaths in Maryland, 2016



The Leading Causes of Death

Harford County, 2015



Source: Maryland Vital Statistics, 2015



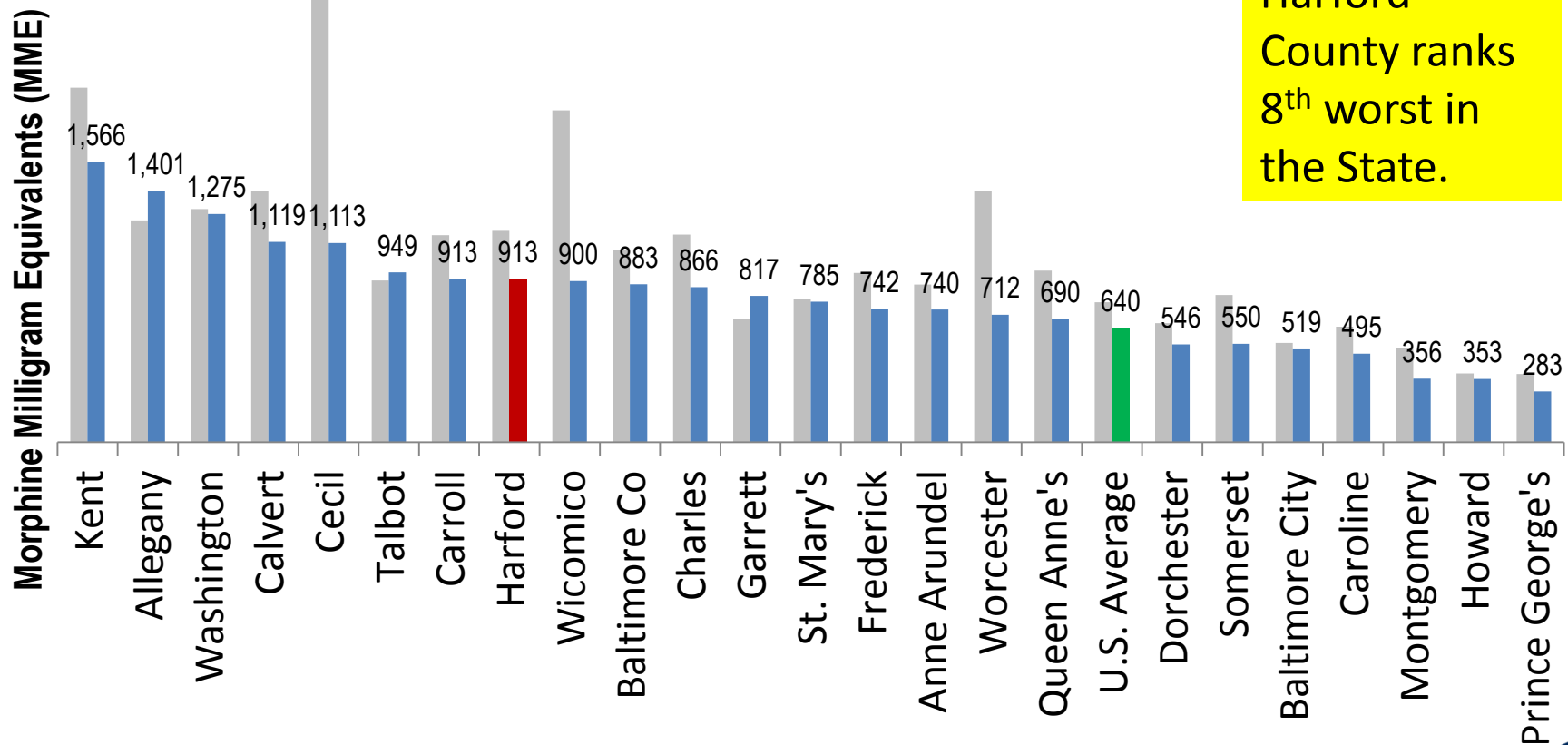
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Rate of Opioid Prescriptions Per Capita

By Maryland Jurisdiction, 2010 & 2015

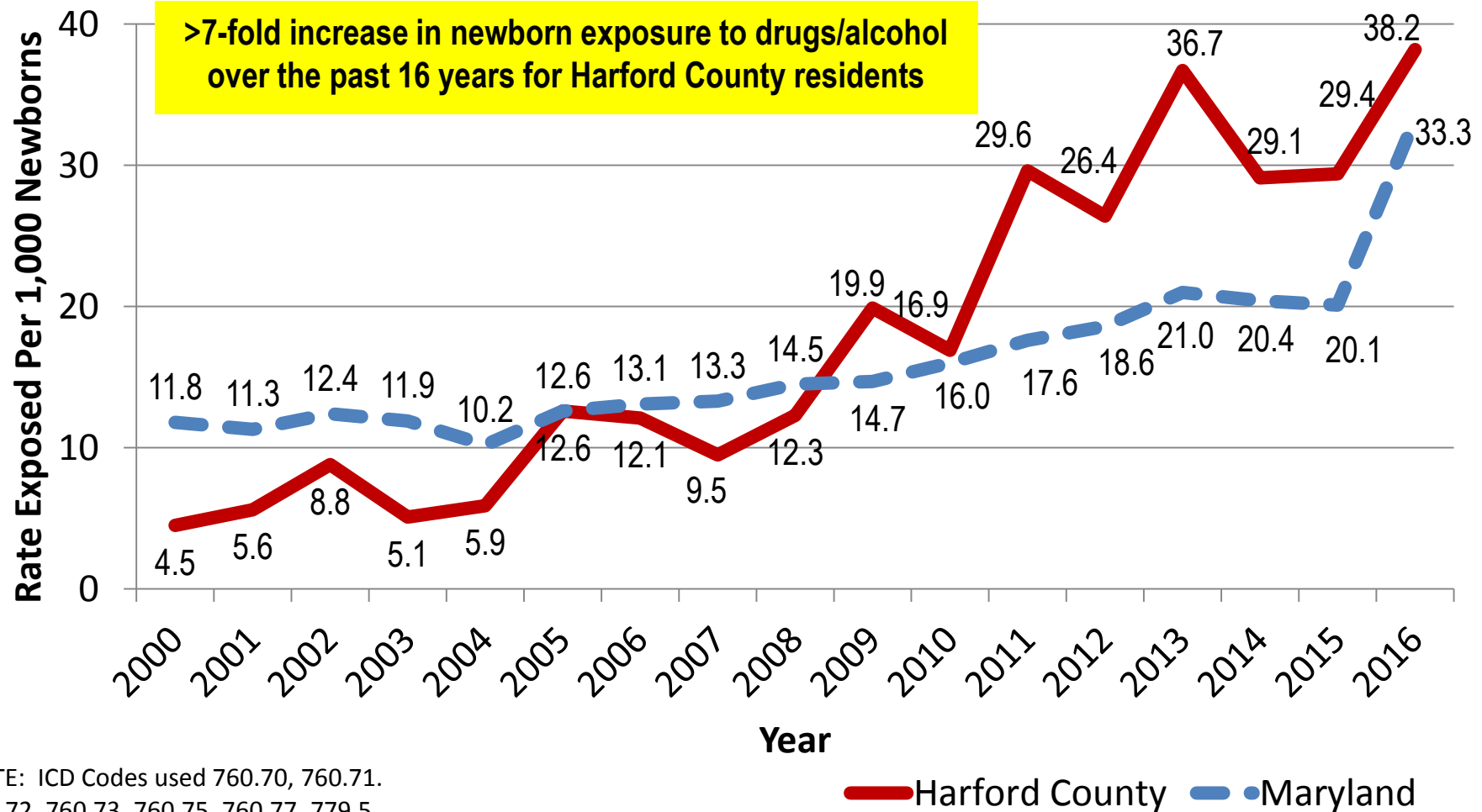
■ 2010 ■ 2015



Source: Dinsmore, "How Maryland measured up in opioid prescribing," Baltimore Sun, 7/8/17 – citing CDC data



Rate of Hospital Encounters for Newborns Born with Maternal Drug/Alcohol Exposure in Harford County and Maryland, 2000-2016



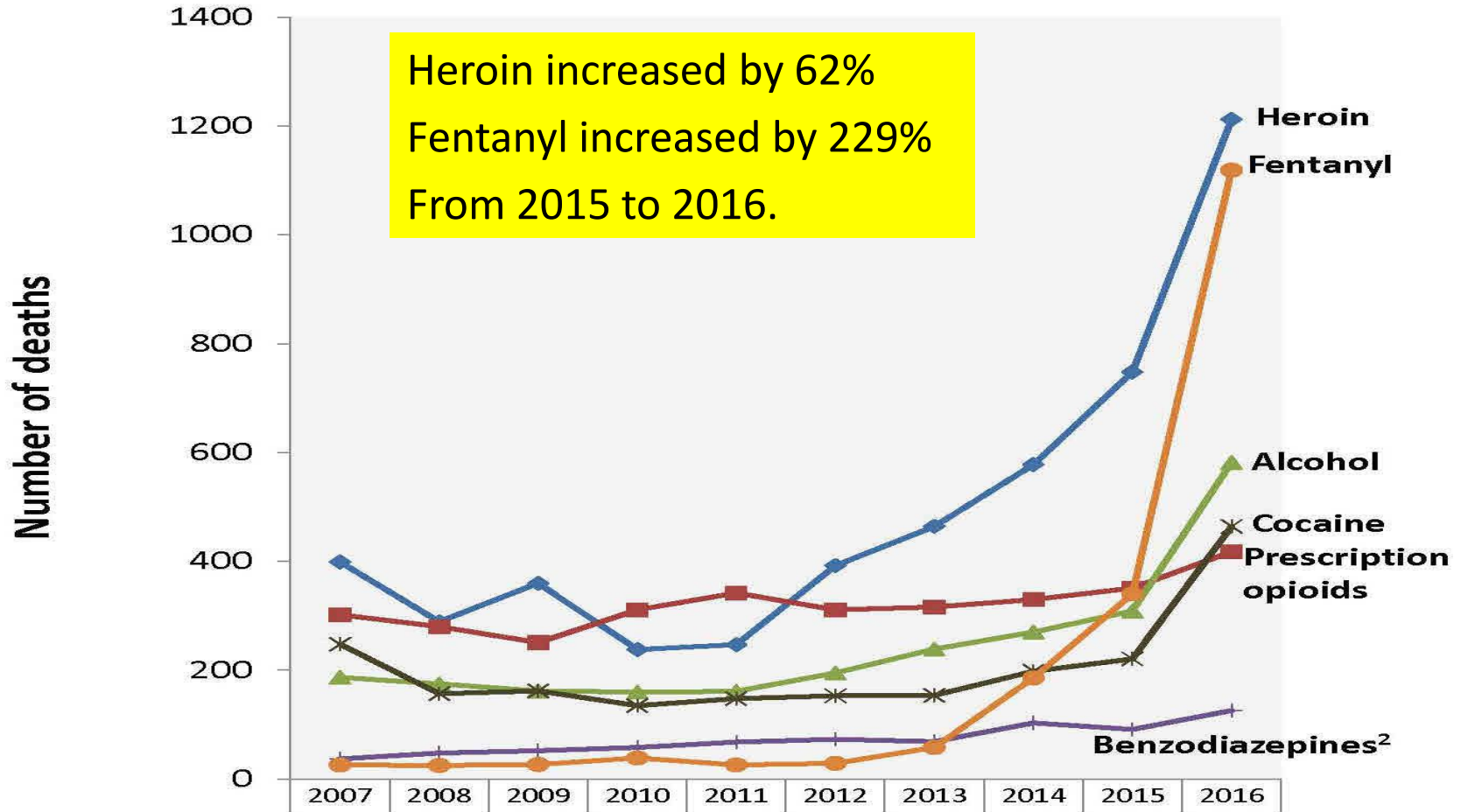
NOTE: ICD Codes used 760.70, 760.71, 760.72, 760.73, 760.75, 760.77, 779.5

Source: HSCRC Hospital Data, 2000-16, Maryland resident births only, does not include Maryland resident births born out of state.



Overdose Deaths

In Maryland by Selected Substances, 2007-2016



Source: "Drug and Alcohol Related Intoxication Deaths in Maryland, 2016," Maryland Vital Statistics



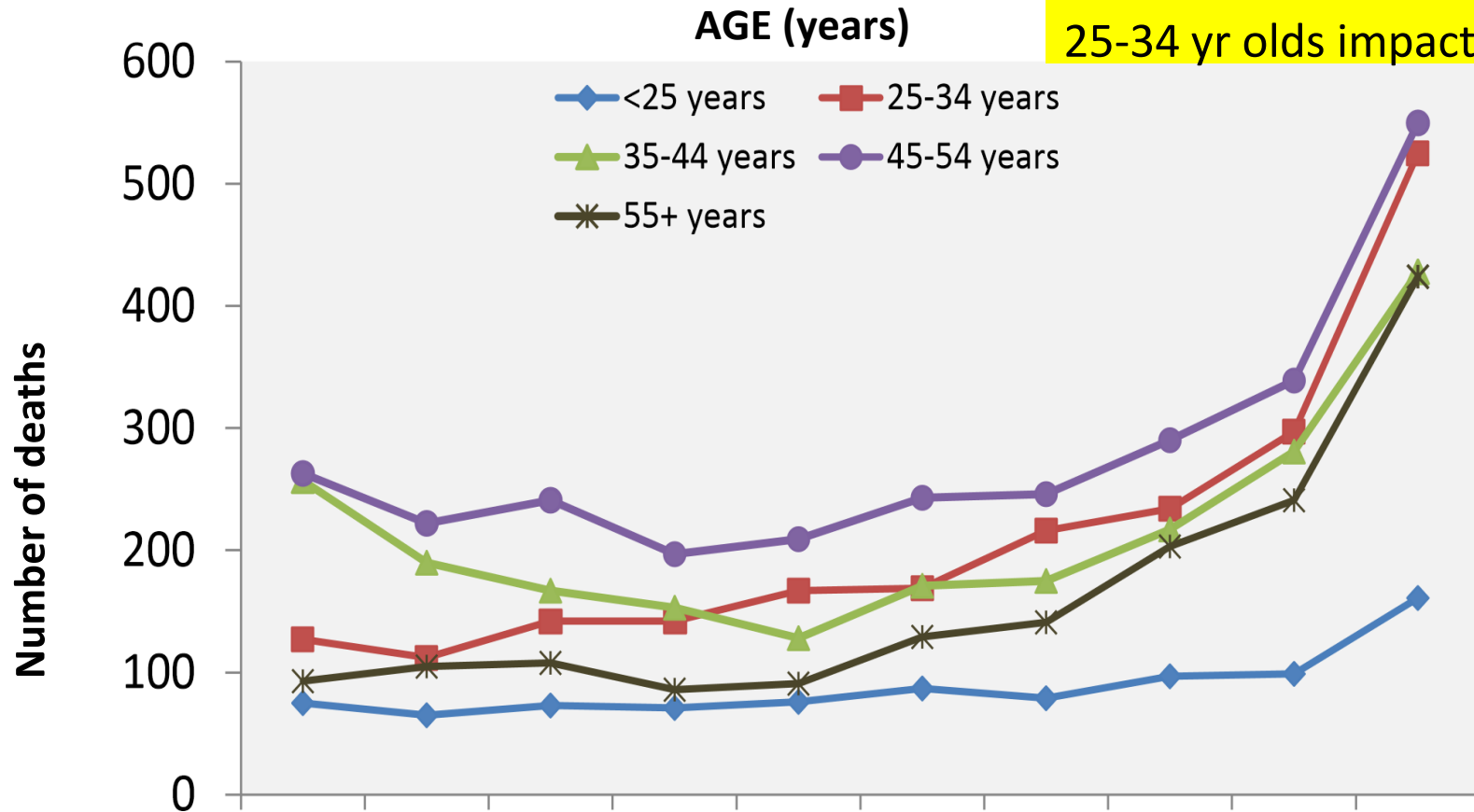
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Overdose Deaths

In Maryland by Age Group, 2007-2016

45-54 yr olds impacted most.
25-34 yr olds impacted next most.



Source: "Drug and Alcohol Related Intoxication Deaths in Maryland, 2016," Maryland Vital Statistics



The Epidemic of Despair Among Whites

Trends in the

1

“Young adult (25-34 yrs) **Whites** in suburban areas and **middle-aged (45-64 yrs) Whites** in rural areas had the most marked increase in premature death relative to other sub-populations in each respective age group...

Elizabeth M. Stein

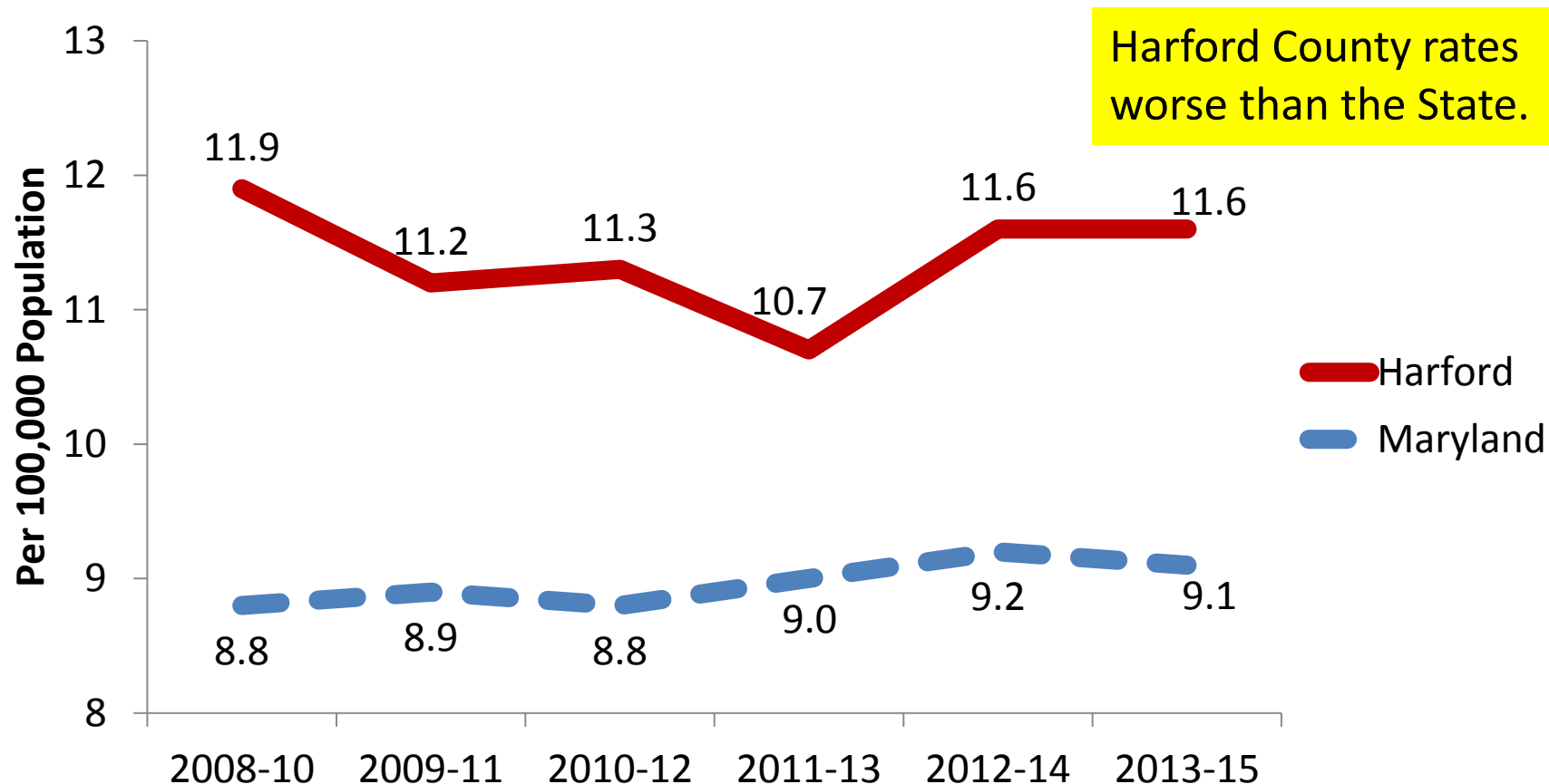
“The marked increases in **accidental poisonings and suicide death rates**, together with unfavorable chronic disease trends, are driving increased premature mortality in Whites. A large portion of these deaths are caused by underlying behavioral risk factors and behavioral health. Case and Deaton coined such deaths as ‘**despair deaths**’ ... as they enter the labor market and are met with bleaker prospects and lower paying jobs...

“Despair manifests in health, including ending life intentionally or soothing through opiates, food, tobacco or alcohol use ... having the highest increases in poisonings, suicide... CVD and respiratory disease.



Suicide Mortality Rates

Harford County & Maryland, 2008-2015



* Age-Adjusted Rates

Source: Maryland Vital Statistics Reports



HCHD Opioid Use Prevention Efforts

- **Local Opioid Operational Command Center (OOCC)**
 - Opioid Intervention Team project – co-chaired by HCHD and Harford County Dept of Emergency Services.
- **HCHD Behavioral Health Clinical Program**
 - One of the County's primary substance use disorder treatment providers for Medicaid and uninsured patients.
- **Detention Center collaborative efforts**
 - Re-entry program with Vivitrol treatment option
 - Naloxone training
 - Medicaid insurance determinations and enrollment
- **Opiate Recovery Court**
- **Peer Recovery Specialist services**



MARYLAND OPIOID OPERATIONAL COMMAND CENTER

WHAT DOES IT DO?

Brings together state and local partners to support prevention, treatment, and enforcement efforts combating the heroin and opioid crisis in Maryland.

WHY?

Residents of all ages, races, genders, and areas across the state are affected by heroin and opioid misuse. State and local health and human services, education, and public safety officials are working together to develop community-based programs and services to combat this public health crisis.

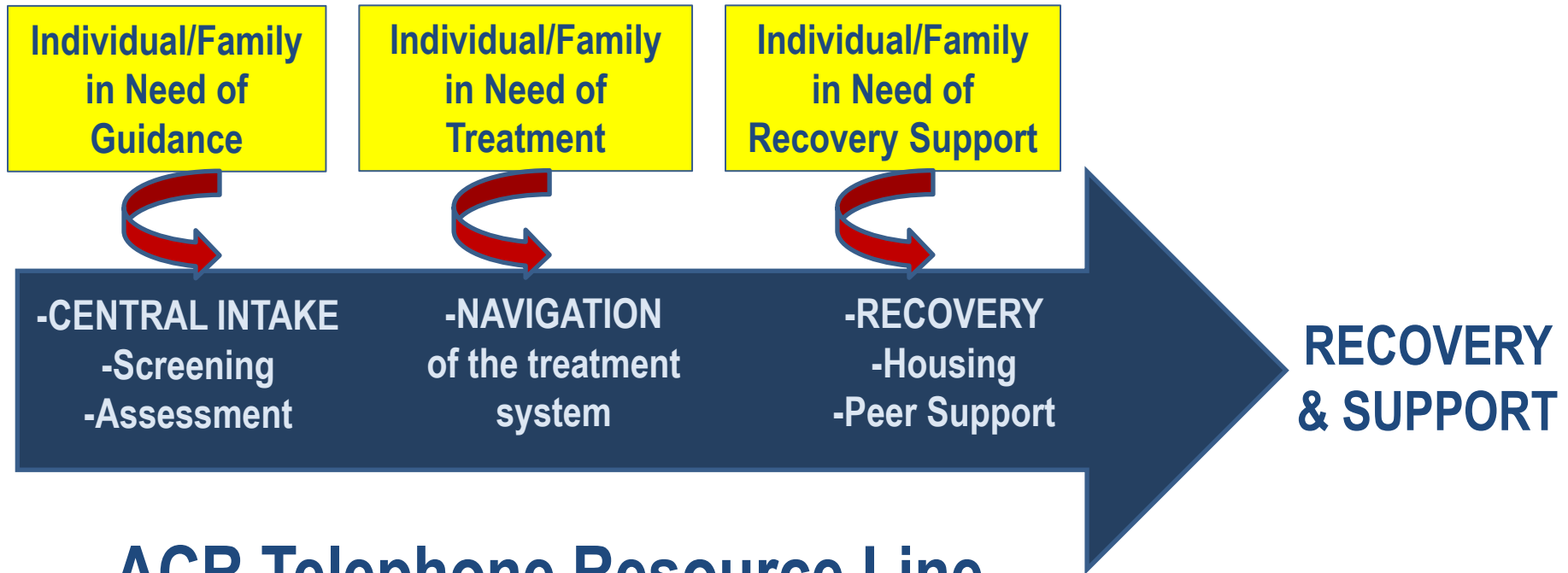


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Harford County OOCC OIT Project

Central Intake, Navigation & Recovery Team

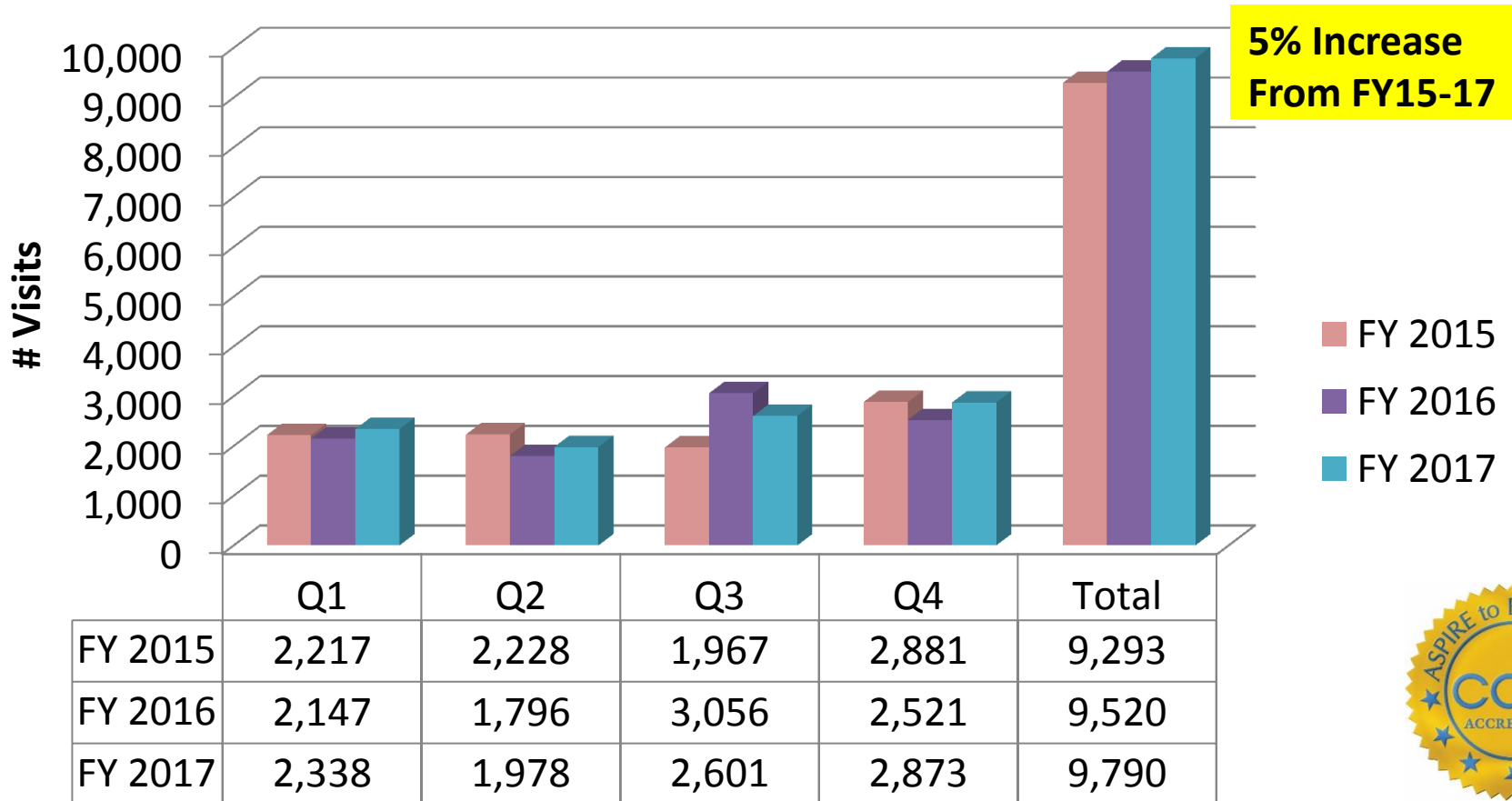


ACR Telephone Resource Line
443-417-7810



HCHD Behavioral Health Clinic Visits

FY 2015-17



Source: HCHD County Stat Data



Key Health Issues Ahead

History

- MARYLAND – only state where hospitals don't decide how much to charge for care payment
- “All-Payer” system of hospital payment
- A 40-year agreement with Medicare
- Allows Maryland to “waive” Medicare payment rules, set rates hospitals charge
- Can keep as long as we meet waiver “test”
 - Growth in Medicare spending per hospital stay less than the nation

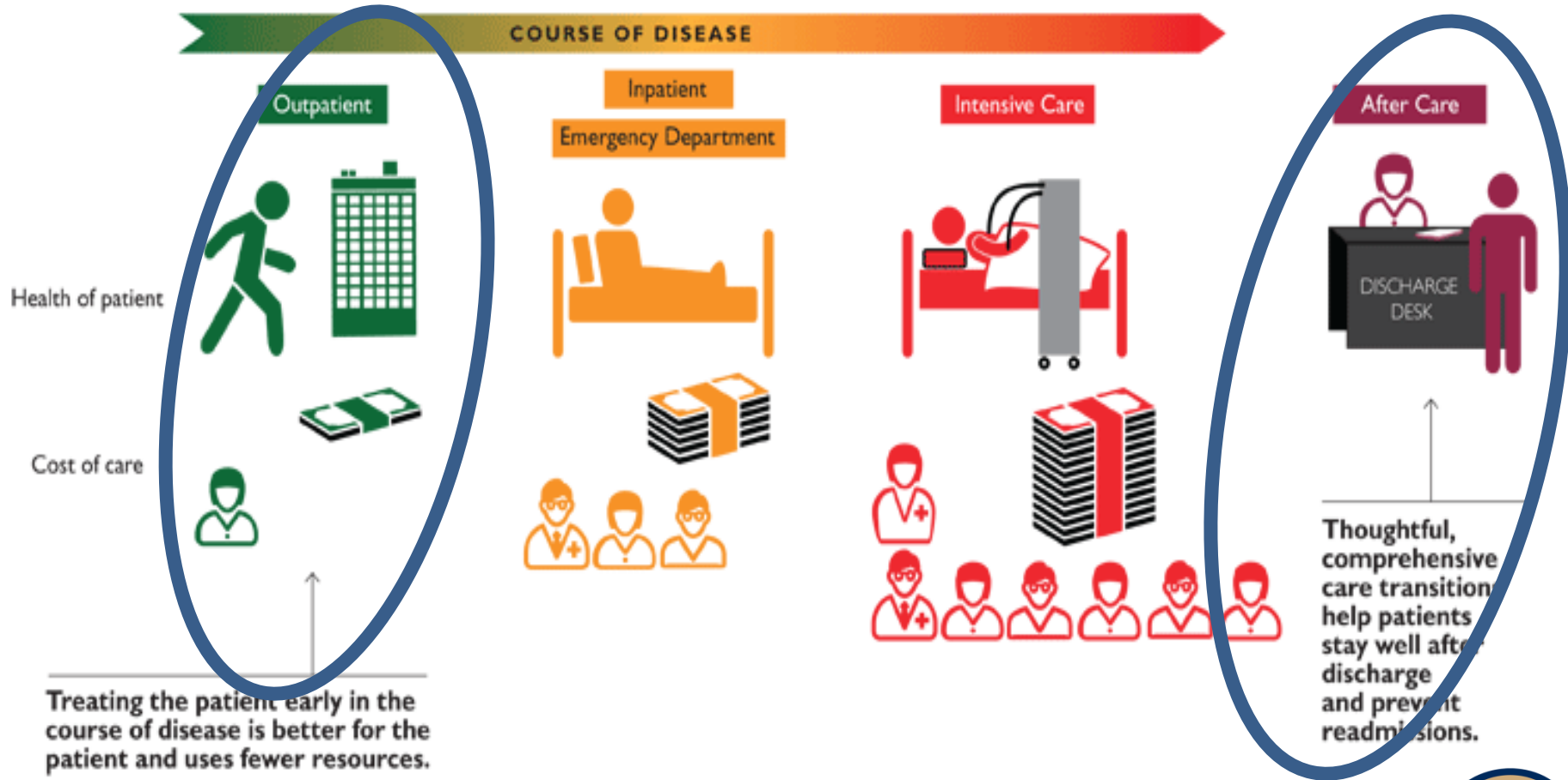
Maryland All-Payer Model Goals



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Impact of Maryland's hospital federal waiver

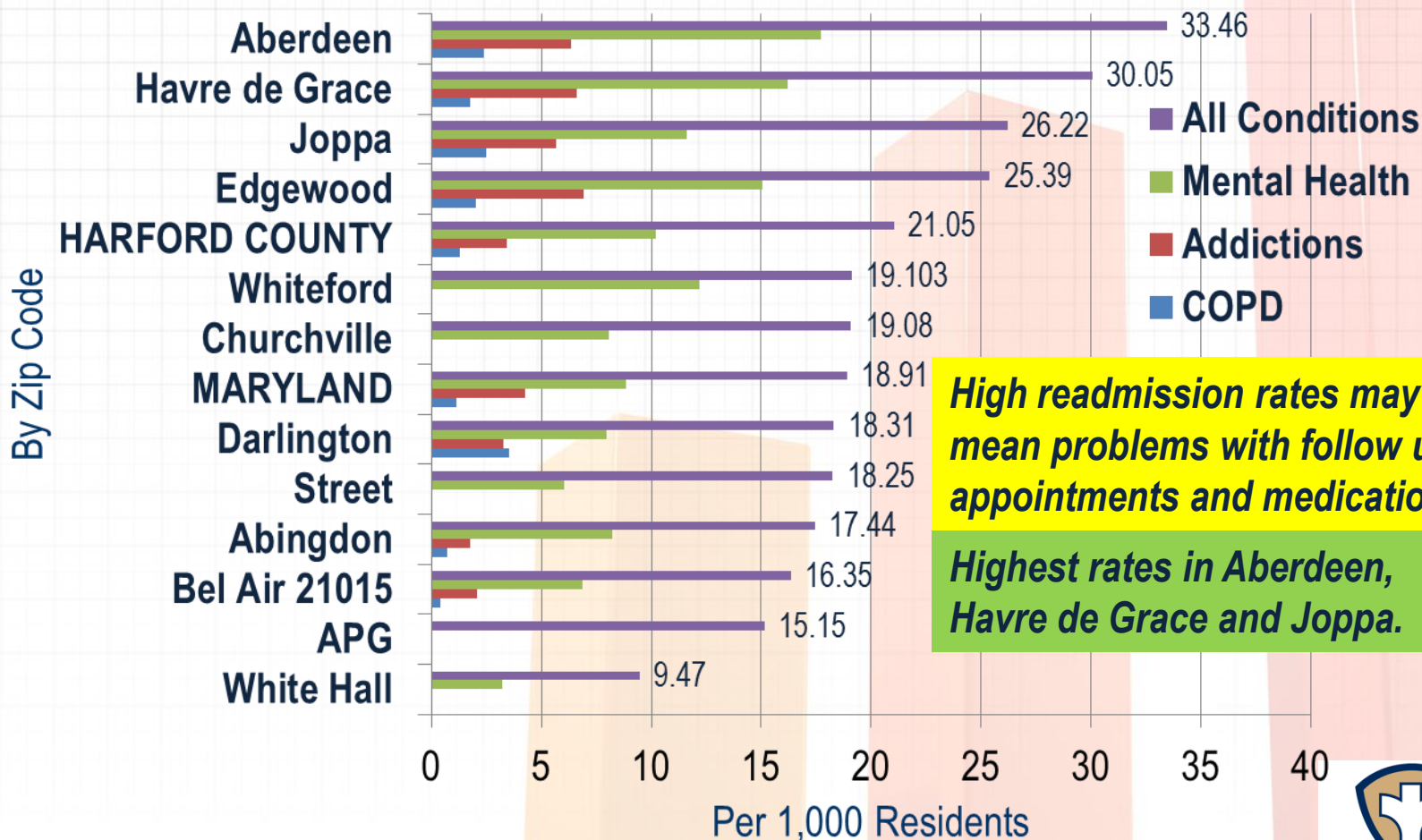


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High Utilizers with 3+ Inpatient Hospitalizations

For SHIP Disease Indicators, Maryland & Harford County ZIP, 2015

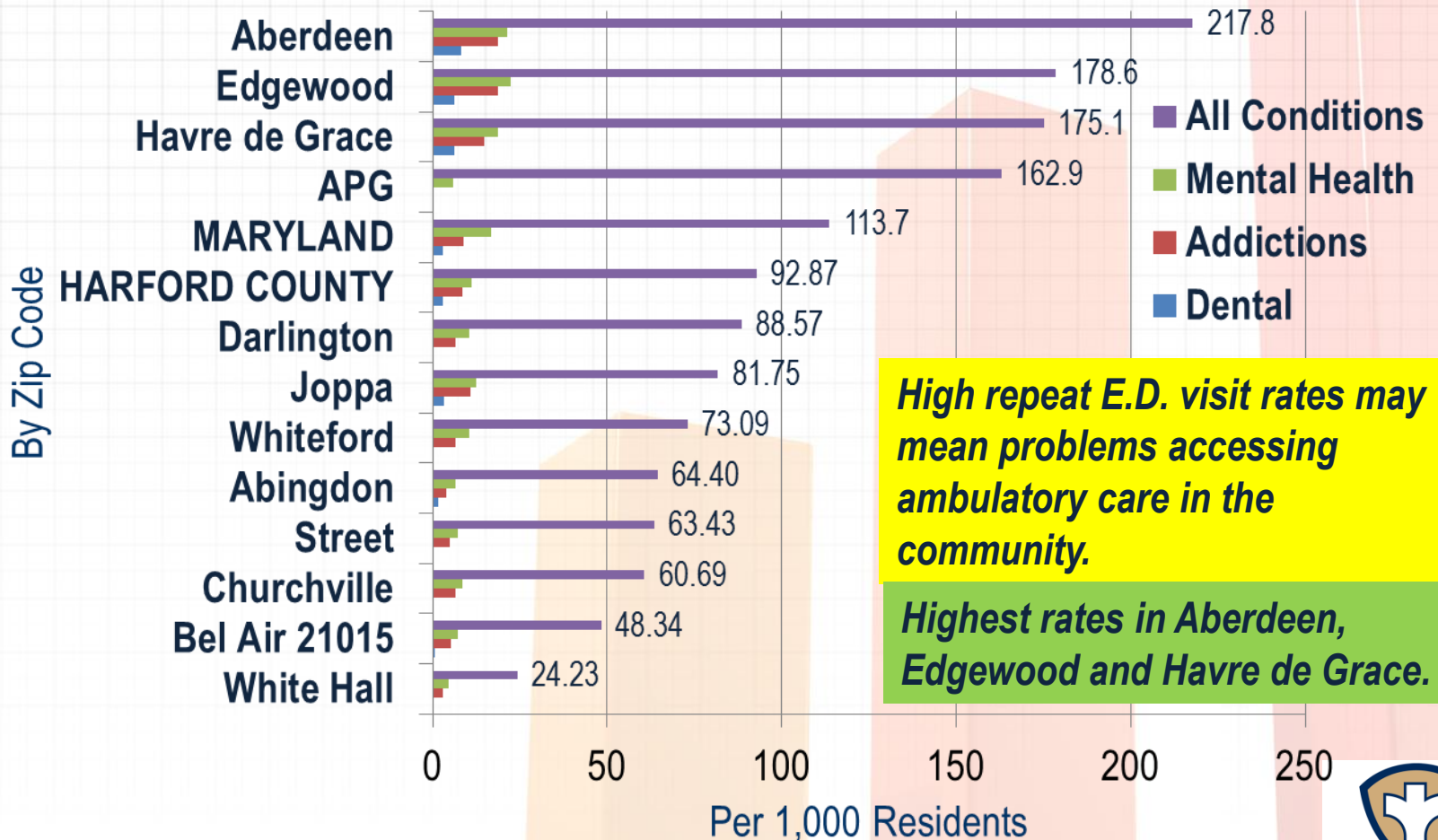


Source: "High Utilizer Use of Inpatient Hospitals," CRISP Reporting Service Dashboards Workbook at <https://reports.crisphealth.org/>

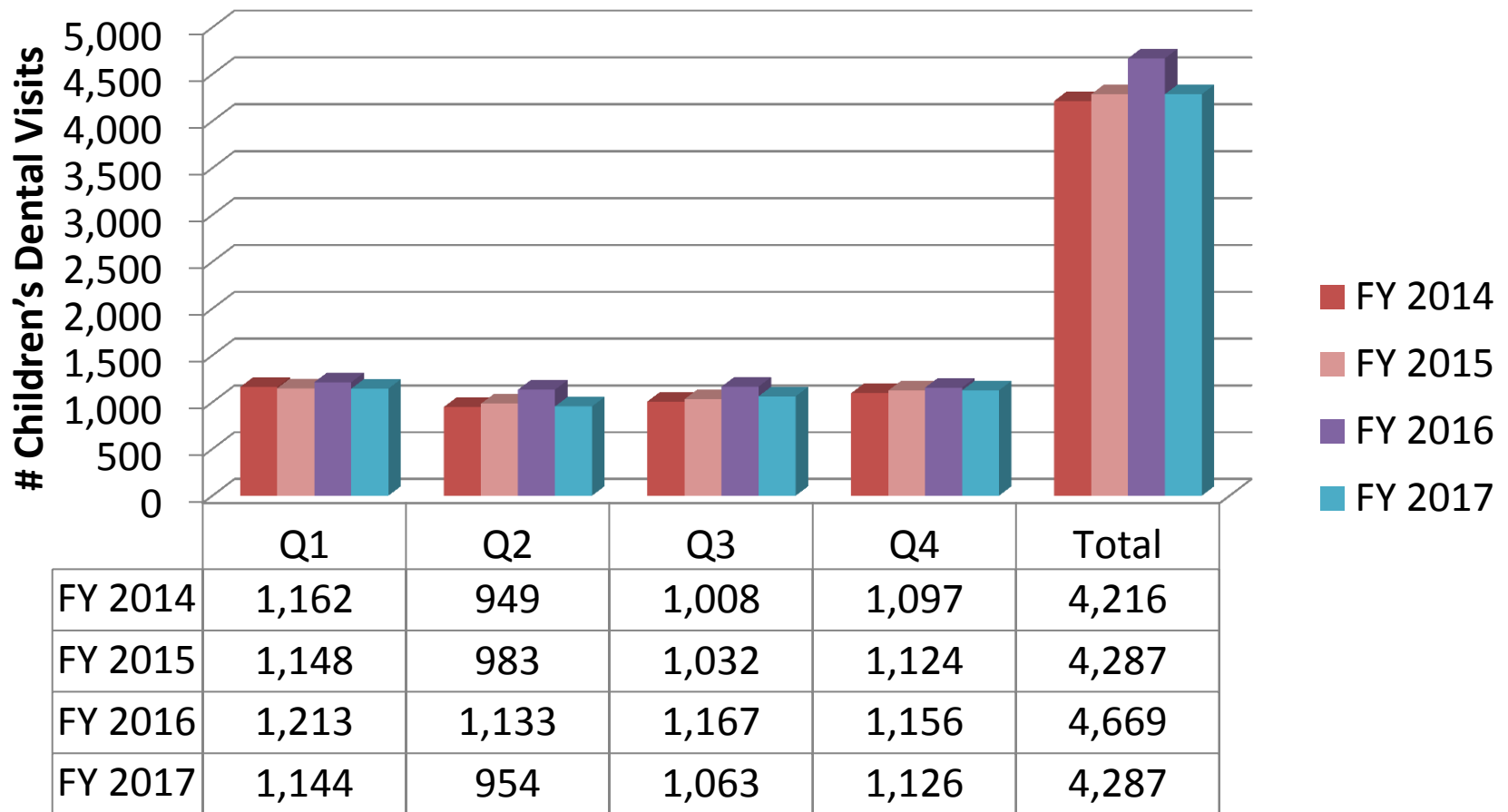


High Utilizers with 3+ Emergency Dept Visits

For SHIP Disease Indicators, Maryland & Harford County ZIP, 2015



HCHD Children's Dental Health Visits, FY 2014-17

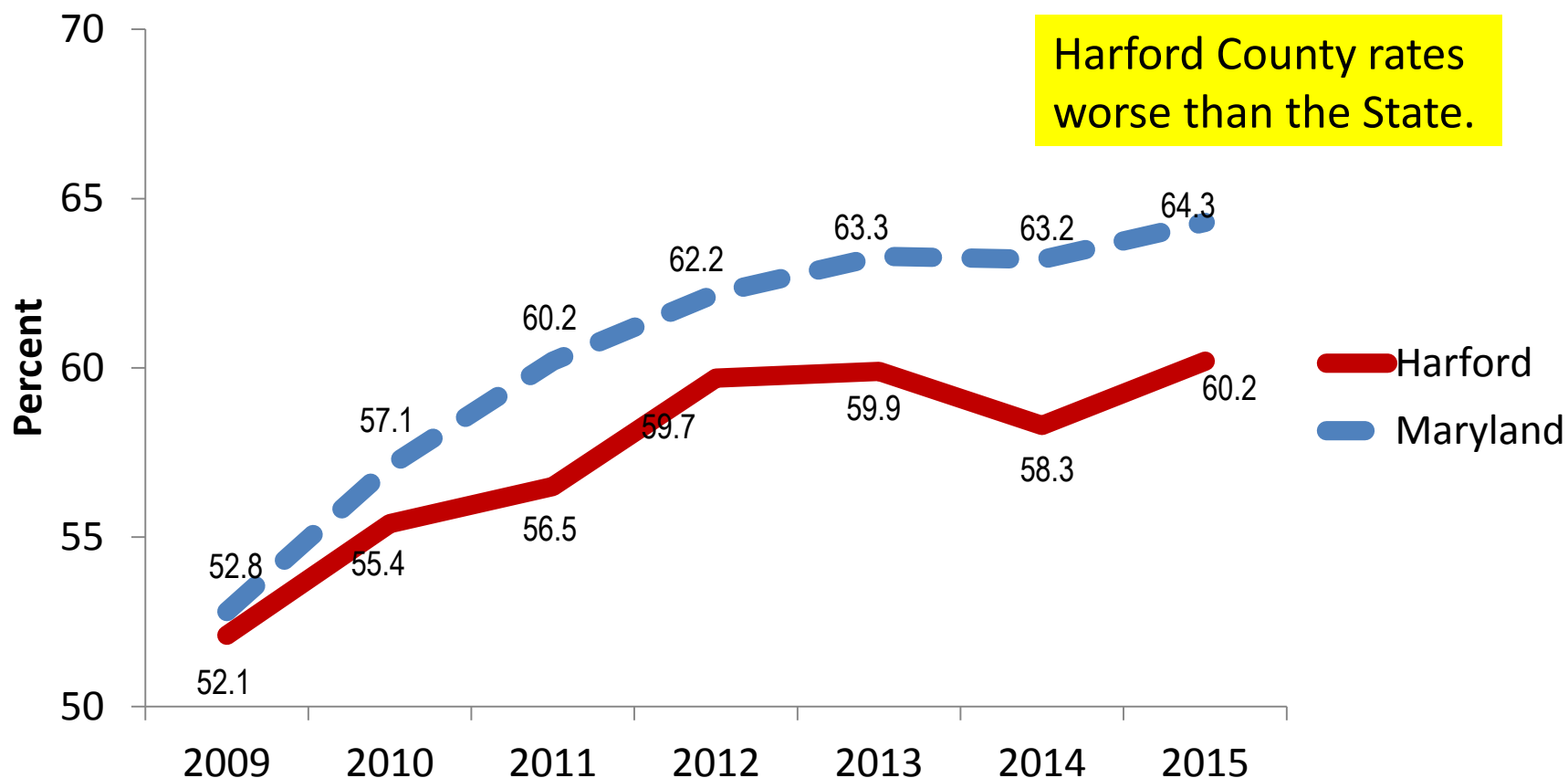


Source: HCHD County Stat Data



Children Receiving Dental Care in Past Year

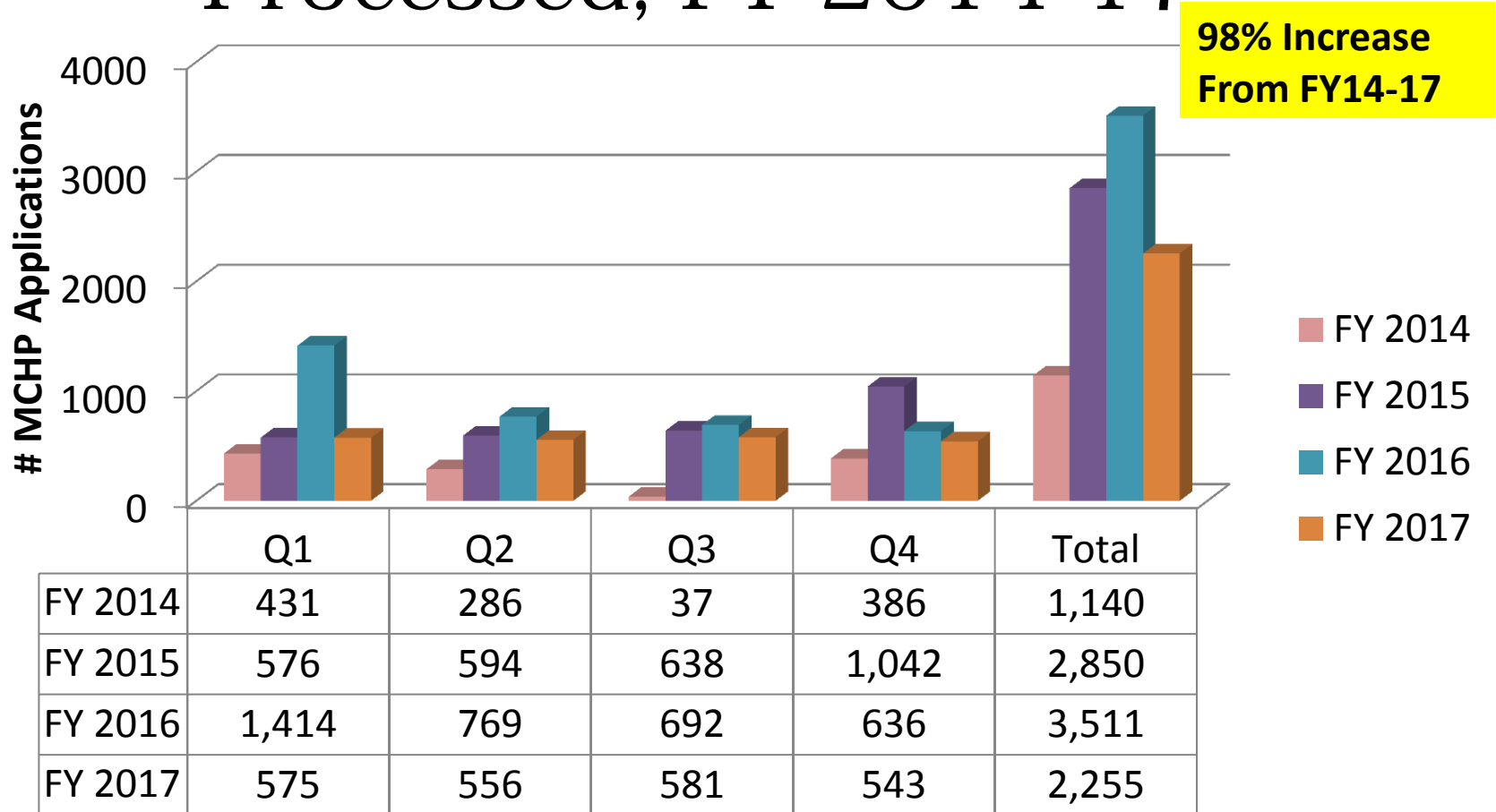
Harford County & Maryland, 2009-2015



Source: Maryland Medicaid Service Utilization



HCHD Medicaid Applications Processed, FY 2014-17



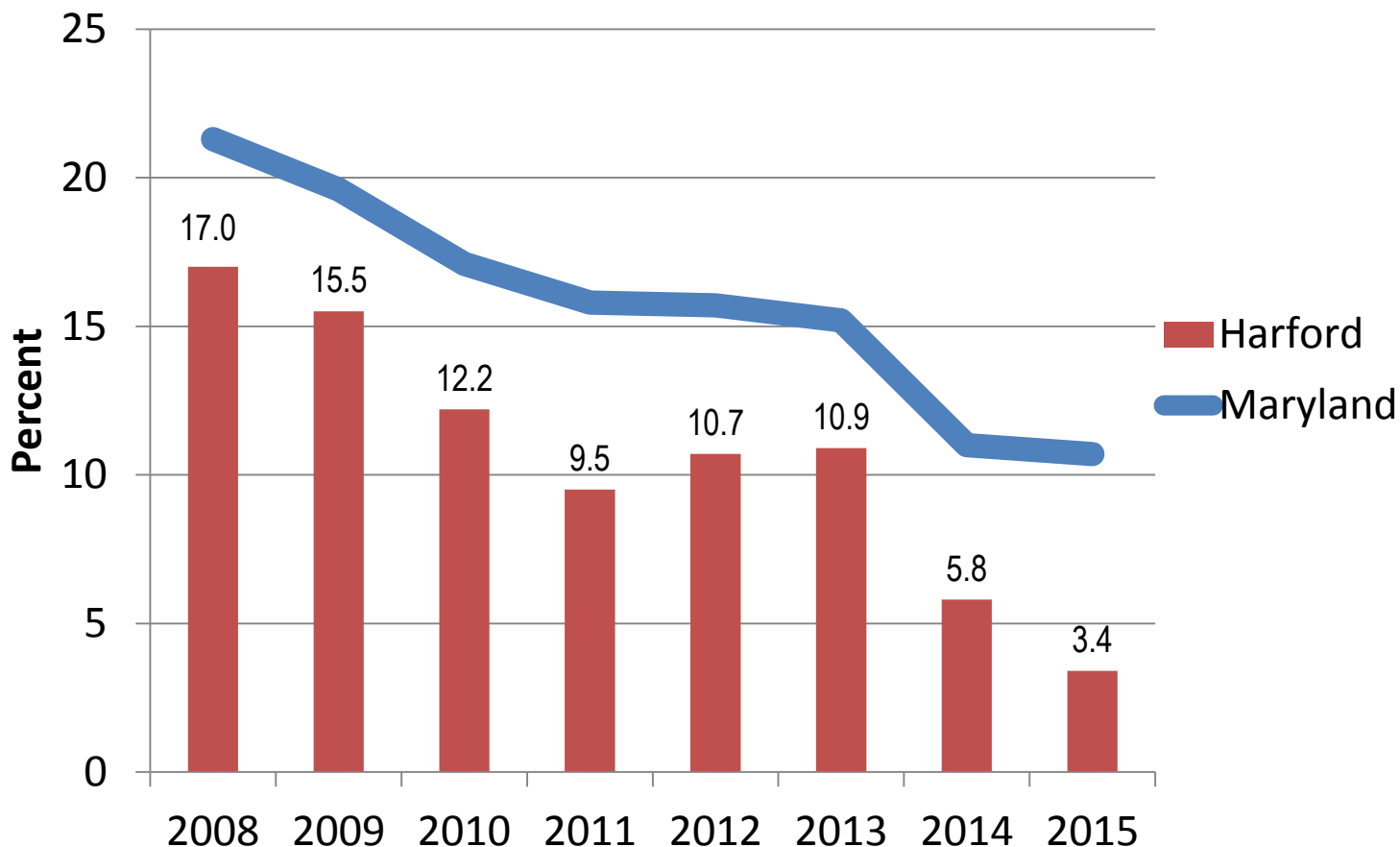
Source: HCHD County Stat Data



Uninsured Emergency Dept Visits

Harford County & Maryland, 2008-2015

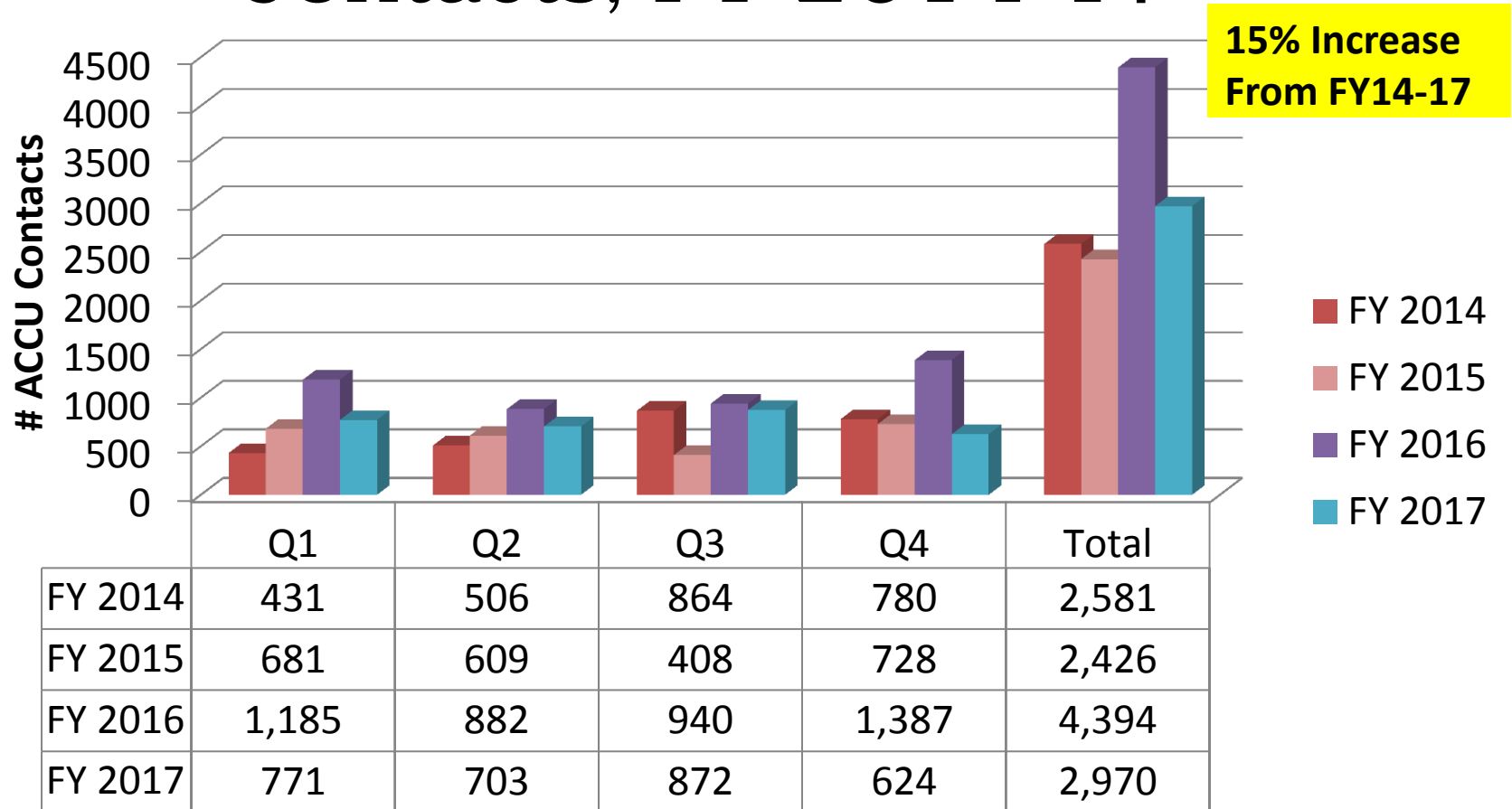
Harford County
uninsured rates
much better
than the State
average.



Source: phpa.health.maryland.gov
MD BRFSS, 2011-15



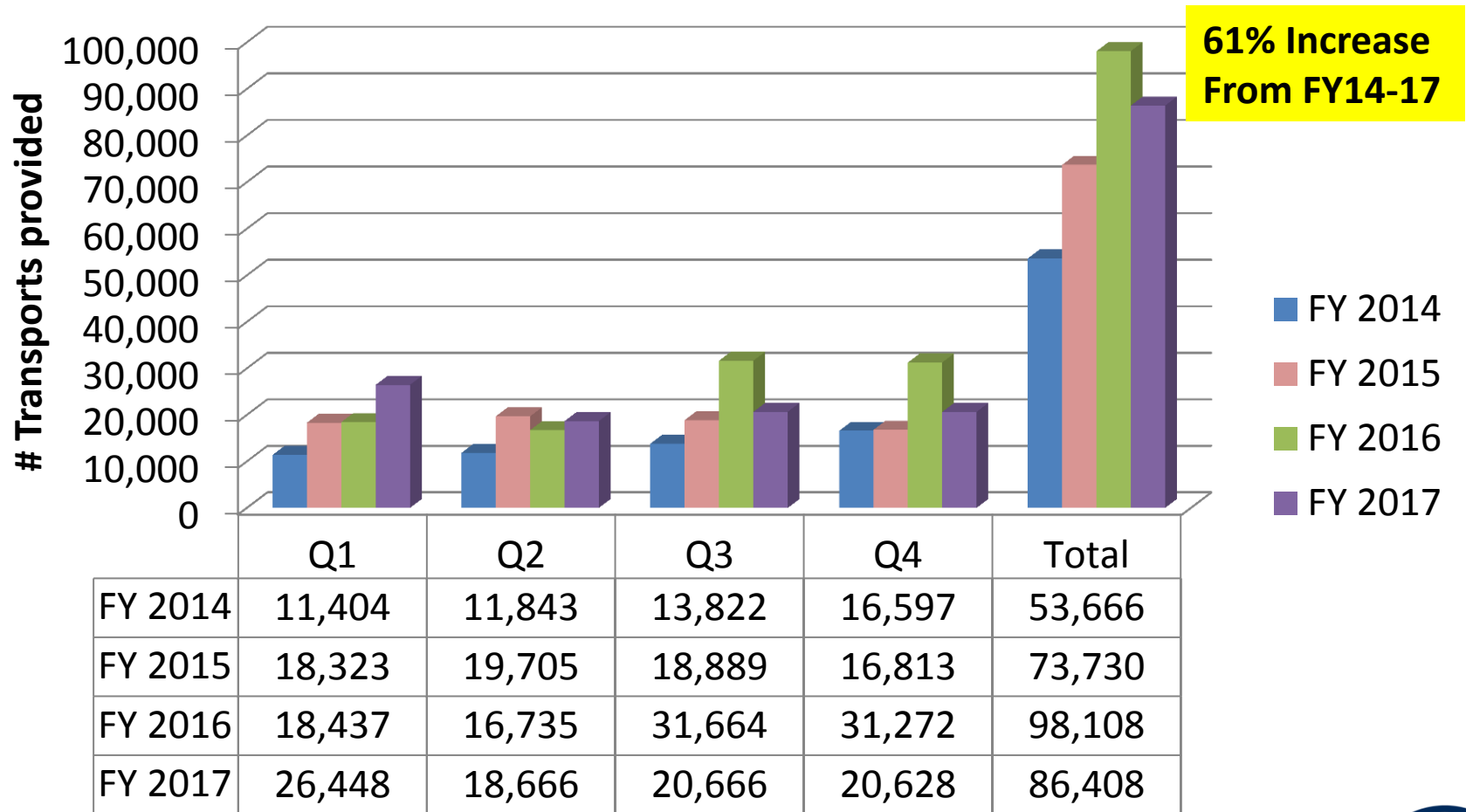
HCHD Medicaid Care Coordination Contacts, FY 2014-17



Source: HCHD County Stat Data



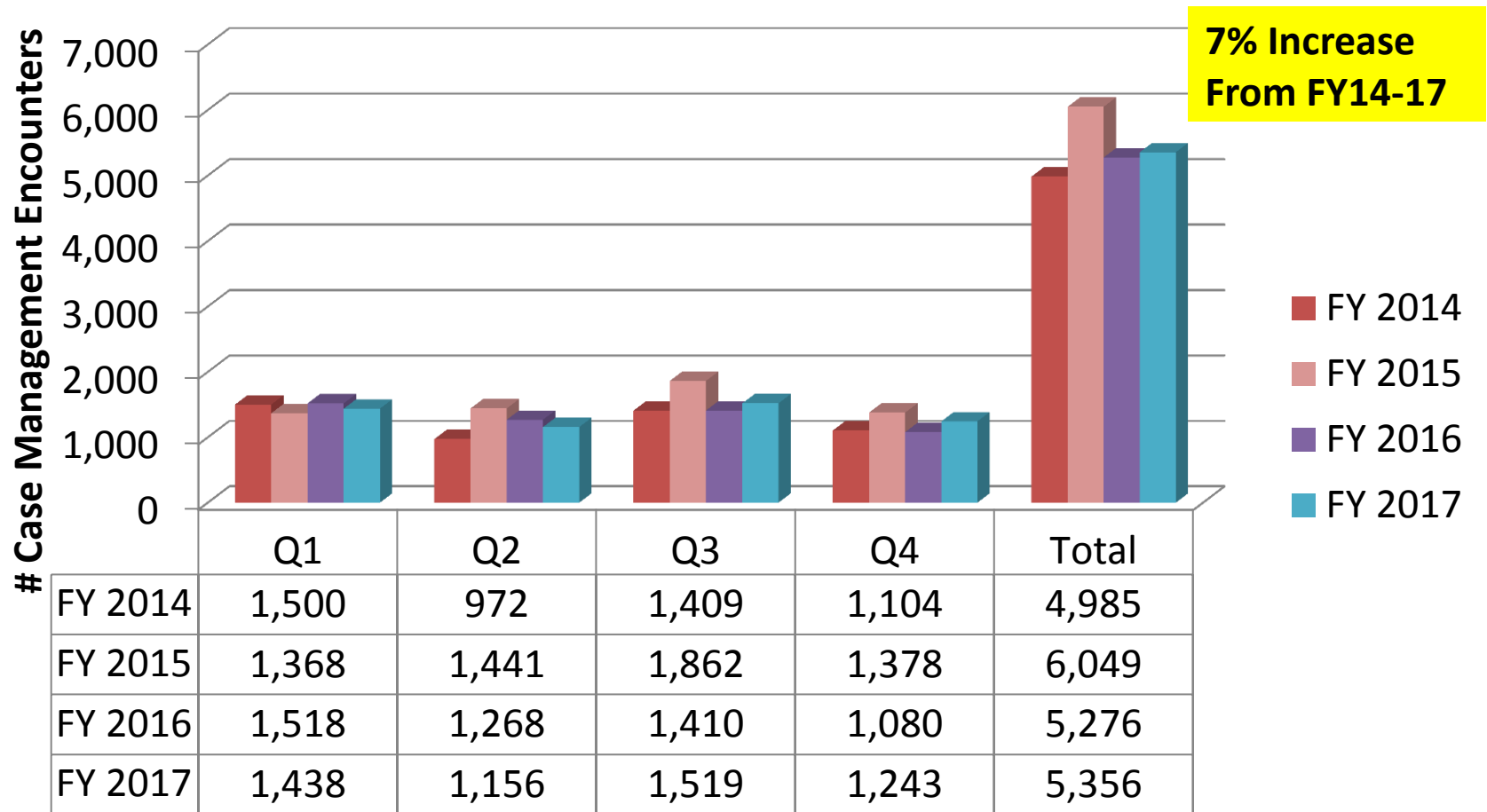
HCHD Medicaid Transportation FY 2014-17



Source: HCHD County Stat Data



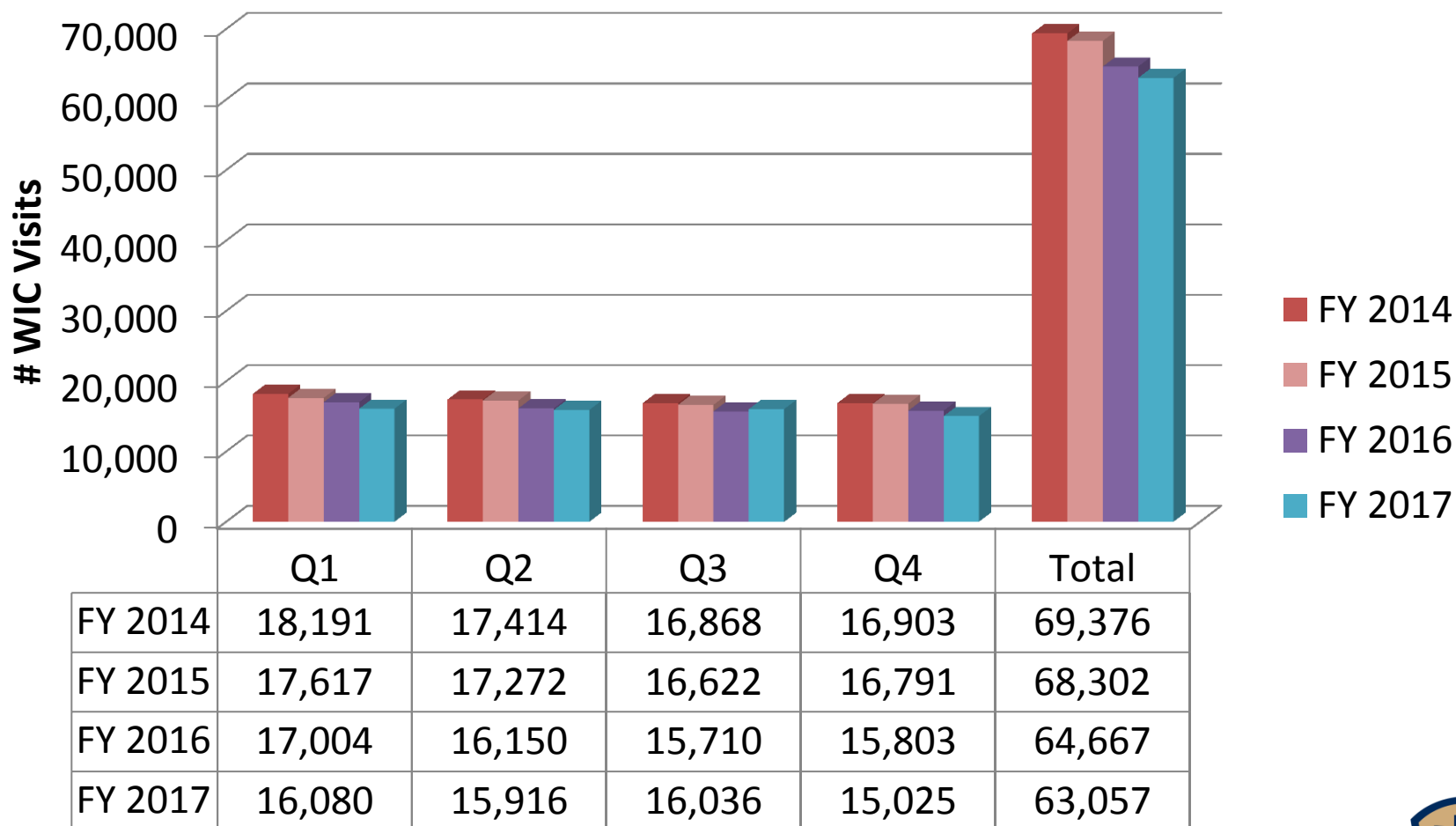
HCHD HIV Client Case Management Encounters, FY 2014-17



Source: HCHD County Stat Data



HCHD Women, Infants and Children (WIC) Nutrition Visits, FY 2014-17



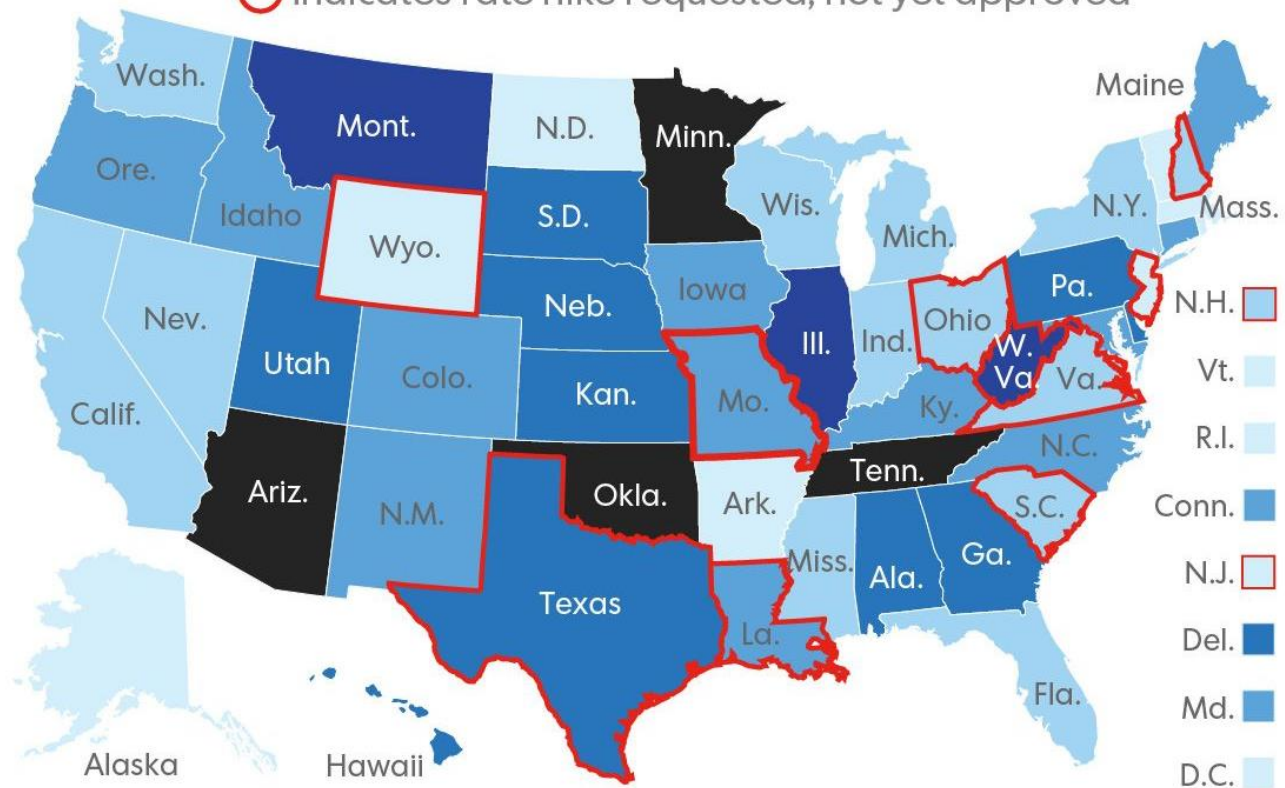
Source: HCHD County Stat Data



Impact of potential changes to the Affordable Care Act

0%-9% 10%-19% 20%-29% 30%-39% 40%-49% >50%

○ Indicates rate hike requested, not yet approved



- Unsubsidized health care premiums under the ACA are expected to rise nationally by about 25% in 2017.

- Uninsured rates may rise.

- Need for safety net services may increase.

Source: ACASignups.net, USA Today, Oct 2017



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Snapshot of FY 2017 HCHD Services

ADMINISTRATION

6,798

Birth Certificates
Processed

1,850

Death Certificates
Processed

86,408

MA Transport
Rides Provided

CARE COORDINATION

2,970

Clients Navigated through Health
Choice Health Care System

252

High-Risk Postpartum &
Infant Hospital Referrals

SOCIAL WORK

1,509

Student Visits to
School-Based Health
Centers

457

Average Monthly Family
Service Coordination -
Infants & Toddlers

1,300

Number of Monthly
Teen Diversion
Contacts

ENVIRONMENTAL HEALTH

1,469

Inspections of
Licensed Food Service
Facilities

713

Animal Attack
Investigations

172

Well Permits
Issued

PUBLIC HEALTH EDUCATION

8,683

K-12 Public & Private
School Students
Educated on Tobacco

90

Women Screened for
Breast & Cervical
Cancer

147

Tobacco Cessation
Class Participants

CLINICAL SERVICES

2,307

Number of Women's
Health Visits

4,287

Children's Dental Clinic
Visits

5,356

HIV Client Case
Management
Encounters

9,790

Individuals Provided
Behavioral Health Services

484

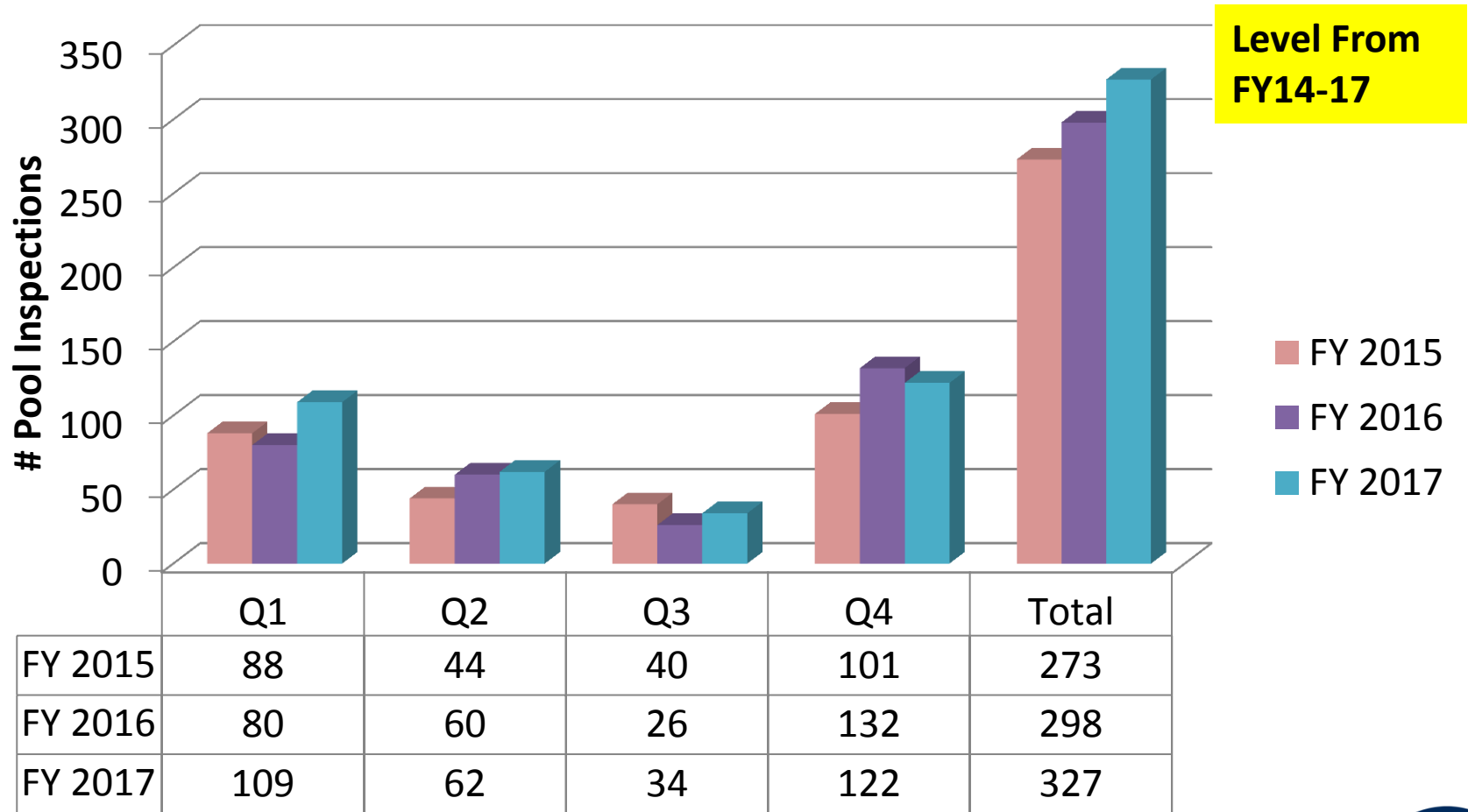
Sexually Transmitted
Disease Clinic Visits

5,255

WIC Program Average
Monthly Caseload



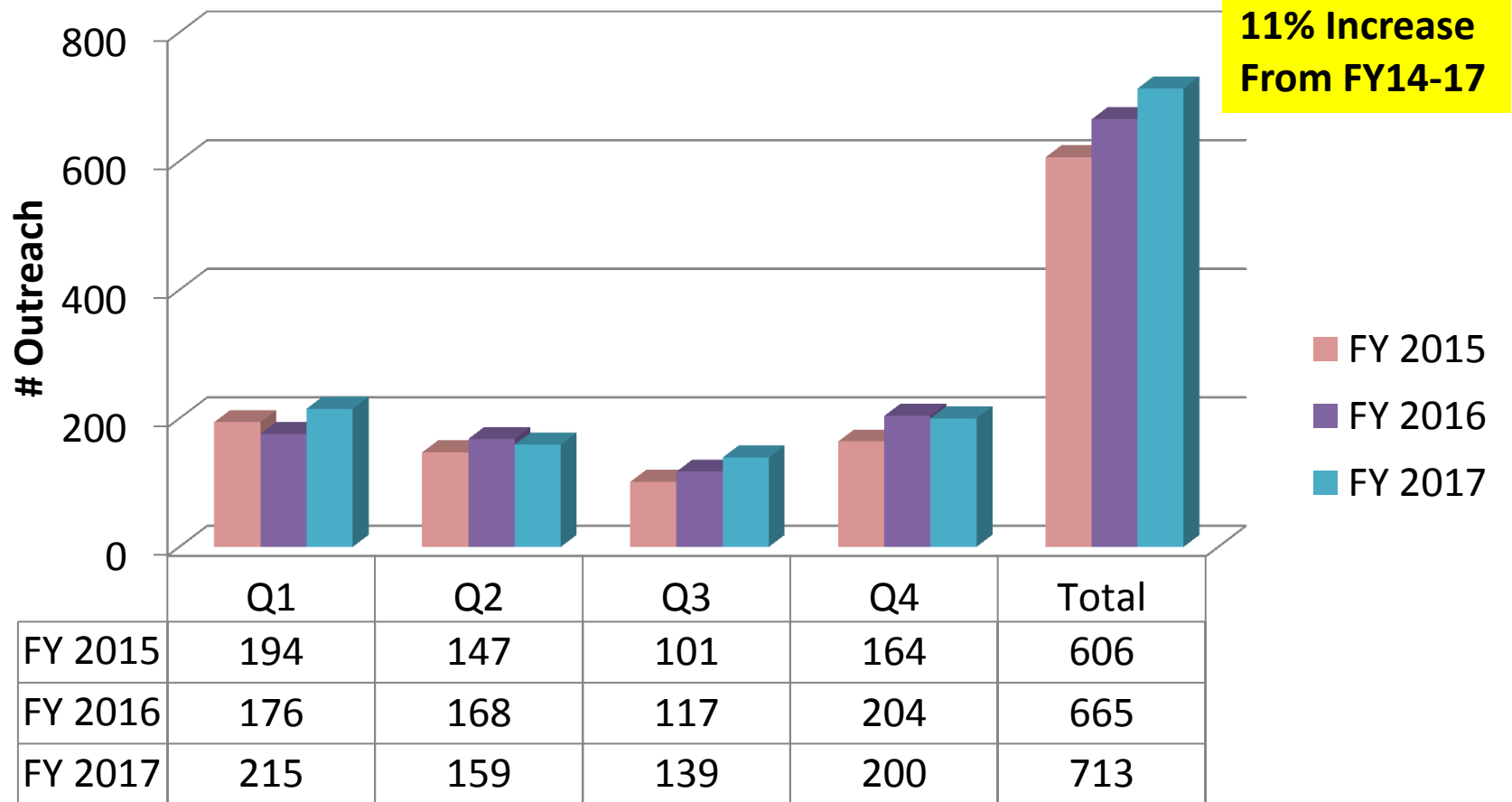
HCHD Pool Inspections, FY 2013-17



Source: HCHD County Stat Data



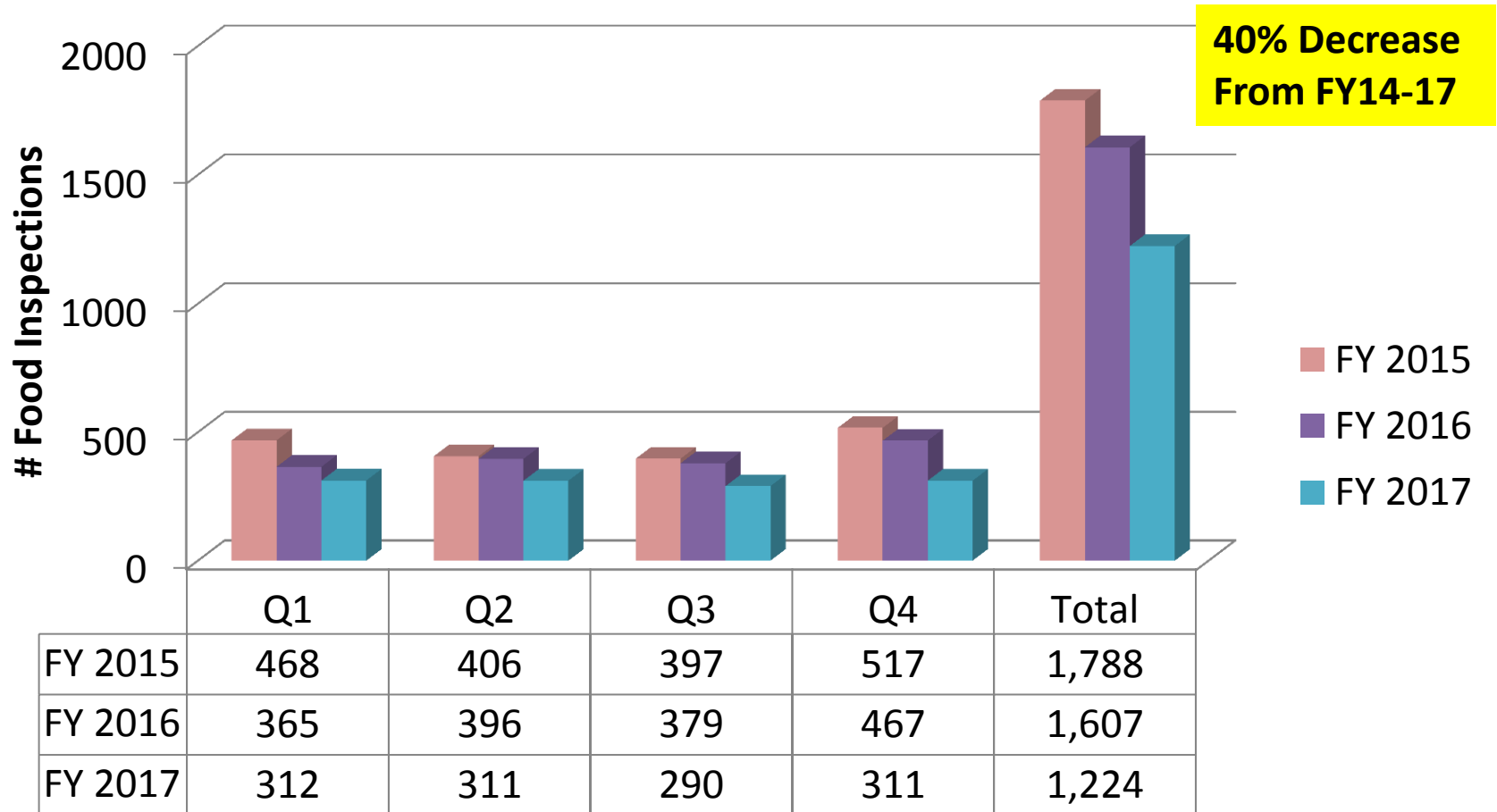
HCHD Zoonotic Disease Animal Attack Investigations, FY 2013-17



Source: HCHD County Stat Data



HCHD Food Inspections, FY 2013-17



Source: HCHD County Stat Data



Harford County Health Department (HCHD)

In Summary

- **Healthier Than the State Average**
 - Harford County's health status is better than the State average.
- **Lifestyle Improvements Needed**
 - Improvements need to be focused on substance use, tobacco use, and other behavioral lifestyle improvements.
- **Safety Net Providers and Care Coordination Needed**
 - Safety net providers and care coordination efforts need to be supported in order to meet the needs of vulnerable and underserved populations.
- **Environmental Health a Priority**
 - Environmental health professionals need to be supported in order to protect the health and safety of Harford County residents.



Harford County Health Department (HCHD)

Mission and Vision

Mission

To protect and promote the health, safety, and environment of the residents of Harford County through public health assessment, education, collaboration and assurance of services.

Vision

To make Harford County the healthiest community in Maryland.



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