Harford County Health Department

Harford County Board of Health Update

Russell Moy, MD, MPH, Health Officer
May 12, 2020
Agenda

• Overview of Health Department Services
• Coronavirus COVID-19 Update
• Snapshot of Harford County’s Health
  • Maternal-Infant Health
  • Behavioral Health
• Tobacco Use Prevention & Chronic Diseases
Health Department Locations

New- 1 N. Main
Family Health Center
Coming June 2020!

120 S. Hays St., Bel Air

1 N. Main St., Bel Air

204 Hanson Rd., Edgewood

1321 Woodbridge Station
Way, Edgewood

2015 Pulaski Hwy,
Havre de Grace

2027 Pulaski Hwy,
Havre de Grace
Health Department Services

- Addiction Services
- AERS Services
- Birth Certificates
- Cancer Prevention
- Care Coordination Plus
- Communicable Disease
- Dental Care
- Emergency Response
- Environmental Health
- Family Planning
- Health Education
- Health Planning
- HIV/STI Treatment
- Home Visiting
- Immunizations
- MD Health Insurance
- Mental Health
- Outbreak Investigation
- Population Health
- Tobacco Cessation
- Transportation
- PrEP
FY 2020 Services at a Glance

**ADMINISTRATION**
- 9,370 Birth Certificates Issued
- 1,923 Death Certificates Issued
- 75,787 Medicaid Transport Rides Provided

**CARE COORDINATION**
- 1,622 Clients Navigated through Health Choice System
- 440 Healthy Families Home Visits
- 120 Substance Exposed Newborn Referrals

**ENVIRONMENTAL**
- 1,712 Food Service Inspections
- 874 Rabies Exposure Investigations
- 247 Beach & Pool Inspections

**SOCIAL WORK**
- 87 Monthly Teen Diversion Contacts
- 1,479 School Clinic Visits
- 1,143 School Readiness Counseling Visits

**PUBLIC HEALTH EDUCATION**
- 20 Opioid Education Events
- 10,672 K-12 Students Educated on Tobacco
- 76 Cancer Screening Outreach Activities

**CLINICAL**
- 12,732 Visits for Behavioral Health Services
- 4,891 Dental Care Visits
- 6,380 Vaccinations Given to Children
- 5,236 WIC Participants

Note: Projected based on FY 2019 Harford County Stat internal data
Health Department Services
Highlighted During the COVID-19 Pandemic

- Addiction Services
- AERS Services
- Birth Certificates
- Cancer Prevention
- Care Coordination Plus
- Communicable Disease
- Dental Care
- Emergency Response
- Environmental Health
- Family Planning
- Health Education

- Health Planning
- HIV/STI Treatment
- Home Visiting
- Immunizations
- MD Health Insurance
- Mental Health
- Outbreak Investigation
- Population Health
- Tobacco Cessation
- Transportation
- PrEP
COVID-19 Key Points
As of 5/8/2020

COVID-19 UPDATE
COVID-19 is the name of the disease caused by a new strain of coronavirus called SARS-CoV-2 that hasn’t caused illness if humans before.

- Worldwide, COVID-19 has resulted in millions of human infections, causing illness and death.
- The U.S. has been hit the hardest by COVID-19 infections and deaths.

Disease spreads from person to person, mainly through respiratory droplets when an infected person coughs, sneezes or talks, more likely when in close contact (within 6 feet) of others. Also possible to get COVID-19 by touching a surface or object that has the virus on it and then touching one’s own mouth, nose, or eyes.

Very contagious, with a recent study showing that person with COVID-19 may infect up to 5 or 6 other people.

Symptoms are: fever, cough, shortness of breath, chills, muscle pain, headache, sore throat, new loss of taste or smell.

No specific medication or vaccine currently yet available.
COVID-19 Key Points
As of 5/8/2020

- **Highest risk groups** are older people, age 60 and above, and those with underlying medical conditions, like diabetes, heart disease, lung disease, or cancer. But remember that everyone is at risk for COVID-19 and that the majority of infections are in adults under 60 years of age.

- **Preventive measures** include: wash your hands, cover your cough and sneezes, clean and disinfect frequently touched objects and surfaces, stay home if you are sick except when seeking medical care, wear face coverings/masks when around others, practice social distancing.

- **Social distancing** means avoiding close contact with others and can include: avoid handshaking, avoid non-essential travel, avoid unnecessary errands, avoid crowds, closing non-essential businesses, stay-at-home order.

- **If I test positive for COVID-19, what do I do?** Listen to your healthcare providers’ guidance. Most people will have mild-moderate symptoms and be advised to recover at home. You should self-isolate at home for at least 10 days after your symptoms started and be fever-free and symptom-free for at least 3 days.
Maryland Dept of Health (MDH) COVID-19 Count

https://coronavirus.maryland.gov/
1082% increase in cases from April 1 (1,985 cases) to May 1 (21,467 cases).
Epi Curve for Maryland COVID-19 New Cases

https://coronavirus.maryland.gov/
940% increase in cases from April 1 (42 cases) to May 1 (437 cases).
Epi Curve for Harford COVID-19 New Cases

# of COVID-19 Cases

https://coronavirus.maryland.gov/
COVID-19 is now killing more Americans weekly than heart disease or cancer did on average per week in 2018.
How projected COVID-19 deaths in the U.S. compare to those from leading causes

COVID-19 is already the 3rd leading cause of death in the U.S.
HARFORD COUNTY COVID-19 AGE DATA

- < Age 18:
  - 1% cases
  - 0% deaths
- Age 18-64:
  - 66% cases
  - 12% of deaths
- Age 65+:
  - 33% cases
  - 88% of deaths

Data collected from Maryland Department of Health (MDH): https://coronavirus.maryland.gov/
COVID-19 Cases Per Capita By Maryland Jurisdiction

As of 5/8/20, Harford County has the lowest # of cases per capita for jurisdictions with at least 500 cases.
COVID-19 Deaths Per Capita
By Maryland Jurisdiction

As of 5/8/20, Harford County has the lowest # of deaths per capita for jurisdictions with at least 500 cases.
How projected COVID-19 deaths in the U.S. compare to those from leading causes

Recovery Plan is based on 4 pillars:
• Testing capacity ramped up
• PPE supply adequate
• Contact tracing strengthened
• Hospital surge capacity in place

Recovery plan is contingent on a 14-day downward trajectory of benchmark metrics:
• Hospitalizations decreasing
• ICU bed usage decreasing
• COVID-19 deaths decreasing

3 Stages of Recovery Plan:
• Stage 1: Lift stay-at-home order, with restrictions
• Stage 2: Allow for larger gatherings, indoor services
• Stage 3: Allow large social gatherings
Maryland COVID-19 Total Hospitalizations

Hospitalizations have plateaued over the past 8 days, as of 5/8/20.

https://coronavirus.maryland.gov/
Epi Curve for Maryland COVID-19 Total Deaths

3442% increase in deaths from April 1 (31 deaths) to May 1 (1,098 deaths).

https://coronavirus.maryland.gov/
Epi Curve for Maryland COVID-19 New Deaths

https://coronavirus.maryland.gov/
Epi Curve for Harford COVID-19 Total Confirmed Deaths

# of COVID-19 Deaths

Day 1 - 4/15  2
Day 2 - 4/16  1
Day 3 - 4/17  1
Day 4 - 4/18  1
Day 5 - 4/19  2
Day 6 - 4/20  2
Day 7 - 4/21  3
Day 8 - 4/22  4
Day 9 - 4/23  4
Day 10 - 4/24  9
Day 11 - 4/25  10
Day 12 - 4/26  10
Day 13 - 4/27  15
Day 14 - 4/28  17
Day 15 - 4/29  18
Day 16 - 4/30  20
Day 17 - 5/1  0
Day 18 - 5/2  0
Day 19 - 5/3  0
Day 20 - 5/4  0
Day 21 - 5/5  0
Day 22 - 5/6  0
Day 23 - 5/7  0
Day 24 - 5/8  0

https://coronavirus.maryland.gov/
Epi Curve for Harford COVID-19 New Confirmed Deaths

Day 1 - 4/15: 1 death
Day 2 - 4/16: 1 death
Day 3 - 4/17: 1 death
Day 4 - 4/18: 2 deaths
Day 5 - 4/19: 1 death
Day 6 - 4/20: 5 deaths
Day 7 - 4/21: 2 deaths
Day 8 - 4/22: 1 death
Day 9 - 4/23: 1 death
Day 10 - 4/24: 3 deaths
Day 11 - 4/25: 0 deaths
Day 12 - 4/26: 0 deaths
Day 13 - 4/27: 0 deaths
Day 14 - 4/28: 0 deaths
Day 15 - 4/29: 0 deaths
Day 16 - 4/30: 0 deaths
Day 17 - 5/1: 0 deaths
Day 18 - 5/2: 0 deaths
Day 19 - 5/3: 0 deaths
Day 20 - 5/4: 0 deaths
Day 21 - 5/5: 0 deaths
Day 22 - 5/6: 0 deaths
Day 23 - 5/7: 0 deaths
Day 24 - 5/8: 0 deaths

https://coronavirus.maryland.gov/
Leading Causes of Death in Harford County

Source: Maryland Vital Statistics, 2018
Source: * Maryland Drug and Alcohol-Related Intoxication Deaths, 2018
Of Maryland’s 24 jurisdictions, what is Harford County’s 2020 health ranking? (1= most healthy, 24= least healthy)

(A) # 1
(B) # 8
(C) # 10
(D) # 16
(E) # 24
2020 County Health Rankings: By Maryland Jurisdiction

2020 County Health Rankings for the 24 Ranked Counties in Maryland

Harford County ranks 8th of 24 for health outcomes and health factors.

<table>
<thead>
<tr>
<th>County</th>
<th>Health Outcomes</th>
<th>Health Factors</th>
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<tbody>
<tr>
<td>Allegany</td>
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<td>Anne Arundel</td>
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<td>Baltimore</td>
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<td>Talbot</td>
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<td>Worcester</td>
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For more information on how these ranks are calculated, view the tables at the end of this report and visit [www.countyhealthrankings.org](http://www.countyhealthrankings.org)
## 2020 Health Indicators

### Doing Better – Doing Worse

<table>
<thead>
<tr>
<th>Health Indicators</th>
<th>Harford County</th>
<th>Maryland</th>
<th>Top U.S. Performers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HARFORD COUNTY DOING BETTER</strong></td>
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<tr>
<td>Infant Mortality (per 1k)</td>
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<tr>
<td>Teen Births (per 1k)</td>
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<tr>
<td>Uninsured (%)</td>
<td>5</td>
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<tr>
<td><strong>HARFORD COUNTY DOING WORSE</strong></td>
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<tr>
<td>Drug Overdose Deaths (per 100k)</td>
<td>40</td>
<td>37</td>
<td>10</td>
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<tr>
<td>Sexually Transmitted Infections (per 100k)</td>
<td>322</td>
<td>552</td>
<td>161</td>
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<tr>
<td>Adult Smoking (%)</td>
<td>15</td>
<td>14</td>
<td>14</td>
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</tbody>
</table>

2020 County Health Rankings Report Data, 2012-2018
In 2018, Harford County’s infant mortality rate exceeded the State for the first time.

Source: Maryland Vital Statistics
Infant Mortality

Harford County & Maryland Infant Mortality Rates by Race, 2018

- All: Maryland 6.1, Harford County 6.5
- Black: Maryland 10.2, Harford County 10.8
- White: Maryland 4.1, Harford County 4.2

Source: Maryland Vital Statistics

...but infant mortality racial disparities persist in Maryland and Harford County
Substance Exposed Newborns (SEN)

Harford County & Maryland SEN Rates, 2009-2018

Harford County rate has doubled over the past 10 years

Source: HSCRC Hospital Inpatient Files (includes MD resident delivery discharges at MD hospitals only. Excludes MD resident newborns delivered out of state.)
Neonatal Abstinence Syndrome (NAS)

Harford County & Maryland NAS Rates, 2009-2018

Source: HSCRC Hospital Inpatient Files (includes MD resident delivery discharges at MD hospitals only. Excludes MD resident newborns delivered out of state.)
Harford County and Maryland Teen Birth Rates, 2008-2017

Per 1,000 Females, Ages 15-19

Source: Maryland Vital Statistics Reports

Harford County rates better than the State.
Sexually Transmitted Infections

Harford County and Maryland Chlamydia Cases, 2008-2017

Harford County rates better than the State, but increasing since 2013.

Source: National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention
Health Insurance

Percentage of population under age 65 without health insurance:

Maryland: 7%
Top US Performers: 6%
Harford County: 5%

Harford County uninsured percentage better than the state and top US performers!

Source: 2019 County Health Rankings Data
MEGAN’s Place

MEGAN’s Place is:
• A trusted, safe, non-judgmental physical place for at-risk pregnant, postpartum women and their families to meet in Harford County – for information and guidance, referrals and services, care coordination and support.
• An approach for building family resilience:
  • Start by building *trusted relationships*
  • *Light touch family support* in every day settings
  • Connections to more intensive *clinical services when needed*
  • Connections to and support from dedicated *wraparound support services*
  • *Navigation support* to help make the connections
Coming Soon: 1 North Main Family Health Center

• 1 N. Main Family Health Center will soon offer:
  • MD Health Insurance (MCHP)
  • Women, Infants, and Children (WIC)- Nutrition Services
  • Dental Care for Pregnant Women and Children
  • Youth and Adolescent Behavioral Health
  • Women’s Health Services
  • Care Coordination
Age-Adjusted Mortality Rates for Unintentional Opioid-Related Intoxication Deaths by County 2016-2018

- *Age-adjusted to the 200 U.S. standard Population by the direct method.
- **Rates for jurisdictions with fewer than 20 deaths during this time period are not displayed due to instability.

Source: Maryland Drug and Alcohol-Related Intoxication Deaths, 2018

Harford County has the 10th worst drug overdose rate in Maryland
Drug Overdose

Harford County Opioid-Related Overdose Deaths, 2011-2018

Source: Maryland Drug and Alcohol-Related Intoxication Deaths, 2018

Harford County deaths down 21.1% in 2019...the 2nd straight reduction after 7 straight years of increases.
Harford County suicide mortality rates have been consistently higher than the state and has shown an 11% increase over the past year.
Adult Smoking

Adult Smoking Rates, Harford County and Maryland, 2007-2016

Harford County consistently rates worse than the State

Source: Maryland Behavioral Risk Factor Surveillance System (BRFSS)
Harford County teen smoking rate is continuing to decline...

Source: Maryland Youth Risk Behavior Survey (YRBS)
Note: Students, Gr 9-12 who smoked at least 1 cigarette in the past 30 days
* Data gap between 2010-2013 and 2014-2016
Youth Vaping

Harford County & Maryland High School Electronic Vapor Product Use in the Past 30 Days, 2014-2018

... but Harford County youth vaping rate has doubled since 2016. Harford County’s rate is about 27% worse than the State in 2018.

Source: Maryland Youth Risk Behavior Survey
Heart Disease Mortality Rates, Harford County and Maryland, 2011-2018

Harford County's heart disease mortality rates are plateauing, while state is declining.
Harford County cancer mortality rates have been consistently higher than the state.

* Age-Adjusted Rates
Source: Maryland Vital Statistics Reports
Chronic Obstructive Pulmonary Disease (COPD)

COPD Mortality Rates, Harford County and Maryland, 2011-2018

Harford County COPD mortality rates have been consistently higher than the state.

Per 100,000 Population

Year


33 31 31 30 30 31

37 37 39 37 39 39

Harford County
Maryland

* Age-Adjusted Rates
Source: Maryland Vital Statistics Reports
Diabetes mortality rates have been steady for state since 2011 and increasing in Harford County since 2015.

* Age-Adjusted Rates
Source: Maryland Vital Statistics Reports
In Summary

• **Harford County has made progress with:**
  • The second decline in opioid deaths in 7 years
  • The lowest uninsured rate in the State
  • Lowest teen birth rate
  • Better than state average rates for diabetes and adolescent obesity rates

• **Concerning trends in Harford County include:**
  • Although teen smoking has decreased, teen vaping has increased
  • Infant mortality rate has exceeded the State rate for the 1st time
  • SEN and NAS rates have doubled over the past 10 years
  • Suicide, cancer, and COPD mortality rates higher than the State average

• **We need to focus on:**
  • Strengthening our public health emergency preparedness and outbreak management infrastructure
  • Strengthening the behavioral health services system infrastructure, especially for adolescent health
  • Chronic disease prevention with an emphasis on smoking and vaping prevention efforts
  • Focus on prevention services for maternal-child and family health
Thank you!

410-838-1500
www.harfordcountyhealth.com