# 2016 STATUS OF HEALTH

PRESENTED TO THE BOARD OF HEALTH AND HEALTH PLANNING COUNCIL
6/23/2016

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Public Health
Prevent. Promote. Protect.

**Garrett County Health Department**

*"Working Together for a Healthier Tomorrow"*
www.garretthealth.org

GARRETT COUNTY MARYLAND HEALTH DEPARTMENT

# IS GARRETT COUNTY HEALTHY?

# DATA

- State Health Improvement Process, SHIP Rankings by Jurisdiction
- Census Data
- Vital Statistics for Garrett County and Maryland
- Behavioral Risk Factor Survey
- Youth Risk Behavior Survey
- Prevention Quality Indicators, PQI
- County Health Rankings & Roadmaps

# DATA

- Collaborative Study:

  *Community Survey

  * Community Focus Groups

- Local Hospital/ER Data

- Evaluation of Previous Community Health Improvement Measures

# POPULATION DECLINE

Source: U.S. Census, Garrett County Quick Facts, 2014

- Rural
- Low Density Population
- Poverty
- Limited Diversity
- Elderly Population

Source: U.S. Census, Garrett County Quick Facts, 2014

Howard County, MD

Garrett County, MD

# Extremes

# THE GREAT AMERICAN DIVIDE

# 2014 Causes of Death in Garrett County*

*Age-adjusted

- Malignant Neoplasms
- Diabetes
- Alzheimers
- Diseases of the Heart
- Cerebrovascular
- Influenza/Pneumonia
- Chronic Lower Respiratory
- Other

Source: MD Vital Statistics, 2014

# STATE HEALTH IMPROVEMENT PROCESS

*SHIP PROVIDES A FRAMEWORK FOR CONTINUAL PROGRESS TOWARD A HEALTHIER COMMUNITY.*

INCLUDING 39 MEASURES AND 5 FOCUS AREAS

FOCUS AREAS:

- HEALTHY BEGINNINGS
- HEALTHY LIVING
- HEALTHY COMMUNITIES
- ACCESS TO HEALTH CARE
- QUALITY PREVENTIVE CARE

# HEALTHY BEGINNINGS

| | Meets or Exceeds State Goal | Needs Improvement |
|---|---|---|
| 6 Measures | Early Prenatal Care | Teen Birth Rate |
| | Students Entering Kindergarten Ready To Learn | High School Graduation Rate |
| | | Children Receiving Blood Lead Screening |
| | | Babies with low birth weight |

# 2014 PERCENTAGE OF LOW BIRTH WEIGHT INFANTS BY COUNTY

Source: 2014 Vital Statistics

# STUDENTS ENTERING KINDERGARTEN READY TO LEARN

Source: SHIP, 2013-2014 measurement period

# INFANT MORTALITY RATE

## PER 1,000 LIVE BIRTHS

Source: Maryland Vital Statistics Administration

# BIRTHS TO ADOLESCENTS, ALL RACES
# RATES PER 1,000 FEMALES, AGES 15-17

| | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2014 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maryland | 25.8 | 24.7 | 23.2 | 21 | 20 | 18.3 | 18.1 | 17.1 | 18 | 18.1 | 17.3 | 16.3 | 13.5 | 12.1 | 10.5 | 13 |
| Garrett | 32.8 | 24.9 | 21.6 | 16.6 | 13.8 | 10.9 | 18.1 | 11.4 | 16.4 | 14.2 | 6.4 | 18.4 | 7.6 | 12.5 | 16.6 | 21.1 |

Source: Maryland Vital Statistics Administration

# HEALTHY LIVING

| | Meets or Exceeds State Goal | Needs Improvement |
|---|---|---|
| 8 Measures | HIV Incidence Rate | Life Expectancy |
| | Chlamydia Infection Rate | Increase Physical Activity |
| | Adults Who Currently Smoke | ***Worst in the State**** Adolescents Who Use Tobacco Products |
| | Children & Adolescents Who Are Obese | *Adults Who Are At A Healthy Weight |
| | | |

# Children And Adolescents who are Obese

Source: SHIP Data 2014

# Percentage of students who were obese (i.e., at or above the 95th percentile for body mass index, by age and sex).

Source: YRBS, 2014 High School

# Adolescents who used any Tobacco Products in the last 30 days

2014 SHIP DATA HIGH SCHOOL

# Percentage of students who currently used cigarettes, cigars, or smokeless tobacco on one or more of the past 30 days.

Source: YRBS, 2014 High School

# Percentage of students who had five or more drinks of alcohol in a row, that is, within a couple of hours, on one or more of the past 30 days

Source: YRBS, 2014 High School

# HEALTHY COMMUNITIES

| | Meets or Exceeds State Goal | Needs Improvement |
|---|---|---|
| 4 Measures | Pedestrian Injury Rate On Public Roads | Children Maltreatment Rate |
| | Affordable Housing | Domestic Violence |
| | | |

# DOMESTIC VIOLENCE

2014 SHIP Data

# ACCESS TO CARE

| | Meets or Exceeds State Goal | Needs Improvement |
|---|---|---|
| 4 Measures | Uninsured ED Visits | |
| | *BEST IN THE STATE* Children Receiving Dental Care in The Last Year | *WORST IN THE STATE* Adolescents Who Received A Wellness Checkup In The Last Year |
| | Persons With A Usual Care Provider | |

# PERSONS WITH A USUAL PRIMARY CARE PROVIDER

Source: 2014 SHIP

# UNINSURED ED VISITS

Source: 2014 SHIP

# CHILDREN RECEIVING DENTAL CARE IN THE LAST YEAR

Source: 2014 SHIP

# Adolescents who received wellness checkup in last year

Measurement Period 2013

Source: MD SHIP

# QUALITY PREVENTIVE CARE

| | Meets or Exceeds State Goal | Needs Improvement |
|---|---|---|
| 10 Measures | *2nd Best In The State* Age-Adjusted Mortality Rate From Cancer | Hospitalization Rate Related to Alzheimer's or other dementias |
| | ED Visit Rates Due to :<br>I. Hypertension (3rd Best in State)<br>II. Addiction Related Condition | ED Visit Rates Due to:<br>I. Mental Health Conditions<br>II. Asthma<br>III. Heart Disease<br>IV. Dental Care<br>V. Diabetes |
| | | Annual Seasonal Flu Vaccinations |

# AGE-ADJUSTED MORTALITY RATE FROM CANCER

# AGE-ADJUSTED DEATH RATES PER 100,000 POPULATION MALIGNANT NEOPLASMS, 2012 - 2014

Source: Maryland Vital Statistics / DHMH

## 2008 – 2012 Female Breast Cancer Age-Adjusted Mortality Rates

Rates are per 100,000 women and age-adjusted to 2000 US standard population
Source: CDC Wonder 2012

**Rates are based on death counts of 0-19 per DHMH/CCPC Mortality Data Suppression Policy

## Maryland Colorectal Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2008-2012

Rates are age-adjusted to the 2000 U.S. standard population and are per 100,000 population.

**Maryland area-specific rates with 95% confidence intervals are presented in Appendix F, Table 11.**

**U.S. colorectal cancer mortality rate, 2008-2012: 15.5 / 100,000**

**Maryland colorectal cancer mortality rate, 2008-2012: 15.4 / 100,000**

**Source: NCHS Compressed Mortality File in CDC WONDER**
**U.S. SEER, Cancer Statistics Review**

# MORTALITY RATE FROM HEART DISEASE

# EMERGENCY DEPARTMENT VISIT RATE FOR DENTAL CARE

Source: 2014 SHIP

# COMPARISON OF COUNTY AGE-ADJUSTED DEATH RATES FOR LEADING CAUSES BY POLITICAL SUBDIVISION MD, 2012-2014

Source: Maryland Vital Statistics

# Identifying Priorities for Garrett County

- GarrettHealth.org
- MD SHIP
- Vital Stats
- County Health Rankings
- Garrett County Needs Assessment

# Garrett County Health Rankings

## Robert Wood Johnson Foundation

## County Demographics

HEALTH OUTCOMES
OVERALL RANK

| Rank | County |
|---|---|
| 1 | Montgomery (MO) |
| 2 | Howard (HO) |
| 3 | Carroll (CO) |
| 4 | Frederick (FR) |
| 5 | Harford (HA) |
| 6 | Queen Anne's (QA) |
| 7 | Calvert (CA) |
| 8 | Talbot (TA) |
| 9 | Anne Arundel (AN) |
| 10 | St. Mary's (SM) |
| 11 | Garrett (GA) |
| 12 | Worcester (WO) |
| 13 | Charles (CH) |
| 14 | Baltimore (BL) |
| 15 | Washington (WA) |
| 16 | Prince George's (PG) |
| 17 | Cecil (CE) |
| 18 | Kent (KE) |
| 19 | Allegany (AL) |
| 20 | Wicomico (WI) |
| 21 | Dorchester (DO) |
| 22 | Somerset (SO) |
| 23 | Caroline (CR) |
| 24 | Baltimore City (BA) |

County Demographics +

| | Garrett County | Trend | Error Margin | Top U.S. Performers | Maryland | Rank (of 24) |
|---|---|---|---|---|---|---|
| **Health Outcomes** | | | | | | **11** |
| Length of Life | | | | | | 10 |
| Premature death | 6,200 | | 5,100-7,200 | 5,200 | 6,400 | |
| Quality of Life | | | | | | 12 |
| Poor or fair health | 13% | | 13-14% | 12% | 14% | |
| Poor physical health days | 3.3 | | 3.2-3.5 | 2.9 | 3.3 | |
| Poor mental health days | 3.5 | | 3.4-3.7 | 2.8 | 3.4 | |
| Low birthweight | 8% | | 7-9% | 6% | 9% | |
| Additional Health Outcomes (not included in overall ranking) + | | | | | | |
| **Health Factors** | | | | | | **14** |
| Health Behaviors | | | | | | 15 |
| Adult smoking | 15% | | 14-15% | 14% | 15% | |
| Adult obesity | 31% | | 28-34% | 25% | 28% | |
| Food environment index | 8.3 | | | 8.3 | 8.1 | |
| Physical inactivity | 30% | | 27-33% | 20% | 23% | |
| Access to exercise opportunities | 66% | | | 91% | 93% | |
| Excessive drinking | 15% | | 15-16% | 12% | 17% | |

# Garrett County Health Rankings

Robert Wood Johnson Foundation

County Demographics

| | GC | Trend | Error Margin | Top US | MD | Rank |
|---|---|---|---|---|---|---|
| **Clinical Care** | | | | | | 15 |
| Uninsured | 13% | | 11-14% | 11% | 12% | |
| Primary care physicians | 2,130:1 | | | 1,040:1 | 1,120:1 | |
| Dentists | 2,700:1 | | | 1,340:1 | 1,360:1 | |
| Mental health providers | 1,410:1 | | | 370:1 | 470:1 | |
| Preventable hospital stays | 47 | | 41-53 | 38 | 50 | |
| Diabetic monitoring | 88% | | 81-95% | 90% | 85% | |
| Mammography screening | 64% | | 56-72% | 71% | 64% | |
| Additional Clinical Care (not included in overall ranking) + | | | | | | |
| **Social & Economic Factors** | | | | | | 13 |
| High school graduation | 93% | | | 93% | 85% | |
| Some college | 51% | | 45-56% | 72% | 68% | |
| Unemployment | 6.9% | | | 3.5% | 5.8% | |
| Children in poverty | 20% | | 14-26% | 13% | 14% | |
| Income inequality | 4.6 | | 4.1-5.1 | 3.7 | 4.5 | |
| Children in single-parent households | 25% | | 17-32% | 21% | 34% | |
| Social associations | 13.0 | | | 22.1 | 9.0 | |
| Violent crime | 207 | | | 59 | 506 | |
| Injury deaths | 56 | | 45-69 | 51 | 54 | |
| Additional Social & Economic Factors (not included in overall ranking) + | | | | | | |

# Garrett County Health Rankings

## Robert Wood Johnson Foundation

## County Demographics

| Physical Environment | GC | Trend | Error Margin | Top US | MD | Rank |
|---|---|---|---|---|---|---|
| | | | | | | 12 |
| Air pollution - particulate matter | 13.3 | | | 9.5 | 12.5 | |
| Drinking water violations | No | | | No | | |
| Severe housing problems | 15% | | 13-18% | 9% | 17% | |
| Driving alone to work | 78% | | 75-81% | 71% | 74% | |
| Long commute - driving alone | 27% | | 24-31% | 15% | 48% | |

# 2014 SHIP SUMMARY SLIDE

| Focus Area | Indicator | Area | Value | Change | Goal met? |
|---|---|---|---|---|---|
| **Healthy Beginnings** | Infant death rate | Garrett | Null | 0.0 | Null |
| | Babies with Low birth weight | Garrett | 10.6 | 3.0 | No |
| | Sudden unexpected infant death rate (SU.. | Garrett | Null | 0.0 | Null |
| | Teen birth rate | Garrett | 23.2 | -6.4 | No |
| | Early prenatal care | Garrett | 78.0 | -2.1 | Yes |
| | Students entering kindergarten ready to le.. | Garrett | 89.0 | -2.0 | Yes |
| | High school graduation rate | Garrett | 93.2 | 0.6 | No |
| | Children receiving blood lead screening | Garrett | 58.1 | -6.8 | No |
| **Healthy Living** | Adults who are a healthy weight | Garrett | 27.3 | -12.9 | No |
| | Children and adolescents who are obese | Garrett | 15.6 | 0.1 | No |
| | Adults who currently smoke | Garrett | 15.1 | -4.8 | Yes |
| | Adolescents who use tobacco products | Garrett | 34.3 | -5.7 | No |
| | HIV incidence rate | Garrett | 0.0 | -3.9 | Yes |
| | Chlamydia infection rate | Garrett | 220.2 | -11.3 | Yes |
| | Life expectancy | Garrett | 79.5 | 0.2 | No |
| | Increase physical activity | Garrett | 45.9 | -4.8 | No |
| **Healthy Communities** | Child maltreatment rate | Garrett | 9.2 | 2.1 | No |
| | Suicide rate | Garrett | Null | 0.0 | Null |
| | Domestic Violence | Garrett | 475.1 | -43.5 | No |
| | Children with elevated blood lead levels | Garrett | 0.2 | 0.2 | Yes |
| | Fall-related death rate | Garrett | Null | Null | Null |
| | Pedestrian injury rate on public roads | Garrett | 3.4 | -3.3 | Yes |
| | Affordable Housing | Garrett | 56.0 | 7.3 | Yes |
| **Access to Health Care** | Adolescents who received a wellness che.. | Garrett | 42.9 | 2.6 | No |
| | Children receiving dental care in the last y.. | Garrett | 72.0 | -2.1 | Yes |
| | Persons with a usual primary care provider | Garrett | 86.0 | 2.9 | Yes |
| | Uninsured ED Visits | Garrett | 7.3 | -4.8 | Yes |
| **Quality Preventive Care** | Age-adjusted mortality rate from cancer | Garrett | 131.8 | -19.1 | Yes |
| | Emergency Department visit rate due to d.. | Garrett | 352.1 | 154.5 | No |
| | Emergency Department visit rate due to H.. | Garrett | 148.9 | 2.6 | Yes |
| | Drug-induced death rate | Garrett | Null | 0.0 | Null |
| | Emergency Department Visits Related to .. | Garrett | 7826.4 | 916.4 | No |
| | Hospitalization rate related to Alzheimer's.. | Garrett | 157.4 | -42.8 | Yes |
| | Annual season influenza vaccinations | Garrett | 36.7 | 1.3 | No |
| | Emergency department visit rate due to a.. | Garrett | 48.5 | -3.8 | Yes |
| | Age-adjusted mortality rate from heart dis.. | Garrett | 222.5 | 19.4 | No |
| | Emergency Department Visits for Addictio.. | Garrett | 995.4 | 48.3 | Yes |
| | Emergency department visit rate for denta.. | Garrett | 811.3 | -143.7 | No |

Blue bar shows the County Value

Red line shows MD 2017 target

Source: SHIP

# OVERALL SUMMARY OF SHIP, VITAL RECORDS - PQI DATA - OFFICE OF PRIMARY CARE - DHMH

**Chart 1: Quartile Rankings by Jurisdiction Based on PQI & SHIP Indicators, 2016 PCO Needs Assessment***

| Jurisdictions | Indicator Score | |
|---|---|---|
| Montgomery | 293 | Top Quartile (Best) |
| Howard | 339 | |
| Queen Anne's | 366 | |
| Carroll | 403 | |
| Frederick | 405 | |
| Harford | 469 | |
| Calvert | 527 | Second Quartile |
| Garrett | 532 | |
| Anne Arundel | 554 | |
| Worcester | 596 | |
| Talbot | 598 | |
| Cecil | 633 | |
| Prince George's | 640 | Third Quartile |
| Saint Mary's | 647 | |
| Caroline | 651 | |
| Charles | 689 | |
| Somerset | 690 | |
| Baltimore County | 699 | |
| Kent | 716 | Bottom Quartile (Worst) |
| Washington | 724 | |
| Allegany | 767 | |
| Wicomico | 811 | |
| Dorchester | 864 | |
| Baltimore City | 1,011 | |

Table 1: Health Indicator Rankings by Jurisdiction, Maryland, 2016 (PQI & SHIP)

Prevention Quality Indicators (PQI) & State Health Improvement Process (SHIP) Rankings by Jurisdiction

| Jurisdictions | Allegany | Anne Arundel | Baltimore Cirty | Baltimore County | Calvert | Caroline | Carroll | Cecil | Charles | Dorchester | Frederick | Garrett | Harford | Howard | Kent | Montgomery | Prince George's | Queen Anne's | Saint Mary's | Somerset | Talbot | Washington | Wicomico | Worcester |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Indicators/Tables** | | | | | | | | | | | | | | | | | | | | | | | | |
| **PQI Data** | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Diabetes with Short-term Complications | 20 | 13 | 24 | 16 | 8 | 9 | 3 | 11 | 12 | 23 | 5 | 17 | 10 | 6 | 14 | 1 | 18 | 7 | 2 | 4 | 19 | 22 | 21 | 15 |
| 3. Diabetes with Long-term Complications | 22 | 11 | 24 | 23 | 1 | 13 | 3 | 7 | 20 | 19 | 5 | 14 | 8 | 10 | 21 | 2 | 17 | 6 | 9 | 18 | 16 | 15 | 12 | 4 |
| 4. Chronic Obstructive Pulmonary Disease (COPD) or Asthma in Older Adults | 15 | 11 | 24 | 12 | 9 | 17 | 8 | 16 | 19 | 23 | 10 | 5 | 6 | 2 | 22 | 1 | 7 | 3 | 20 | 21 | 14 | 18 | 13 | 4 |
| 5. Hypertension | 21 | 2 | 24 | 19 | 1 | 6 | 5 | 10 | 22 | 23 | 7 | 11 | 8 | 3 | 20 | 12 | 17 | 4 | 16 | 14 | 15 | 18 | 13 | 9 |
| 6. Heart Failure | 10 | 13 | 24 | 18 | 14 | 20 | 4 | 2 | 16 | 23 | 8 | 3 | 9 | 5 | 11 | 1 | 19 | 6 | 21 | 17 | 12 | 7 | 22 | 15 |
| 7. Dehydration | 20 | 11 | 23 | 16 | 5 | 21 | 9 | 19 | 7 | 24 | 3 | 1 | 14 | 6 | 22 | 2 | 8 | 12 | 17 | 10 | 15 | 18 | 13 | 4 |
| 8. Bacterial Pneumonia | 23 | 6 | 20 | 7 | 19 | 15 | 12 | 17 | 13 | 18 | 10 | 5 | 9 | 2 | 14 | 1 | 3 | 4 | 21 | 8 | 11 | 24 | 22 | 16 |
| 9. Urinary Tract Infection | 20 | 12 | 23 | 16 | 8 | 21 | 6 | 10 | 13 | 22 | 2 | 3 | 15 | 11 | 24 | 5 | 14 | 4 | 9 | 7 | 17 | 19 | 18 | 1 |
| 10. Angina Without Procedure | 14 | 13 | 24 | 21 | 23 | 6 | 17 | 10 | 5 | 3 | 1 | 19 | 20 | 8 | 15 | 11 | 12 | 7 | 16 | 18 | 22 | 2 | 9 | 4 |
| 11. Uncontrolled Diabetes Without Complications | 20 | 3 | 24 | 17 | 8 | 16 | 2 | 9 | 15 | 6 | 5 | 21 | 12 | 10 | 14 | 7 | 18 | 4 | 13 | 11 | 19 | 22 | 23 | 1 |
| 12. Asthma in Younger Adults | 3 | 12 | 24 | 19 | 11 | 2 | 10 | 6 | 18 | 23 | 9 | 22 | 8 | 4 | 15 | 5 | 16 | 1 | 17 | 7 | 13 | 20 | 21 | 14 |
| 13. Lower Extremity Amputations Among Admissions for Diabetes | 21 | 14 | 24 | 20 | 6 | 8 | 10 | 4 | 9 | 3 | 16 | 7 | 17 | 5 | 22 | 2 | 13 | 11 | 23 | 18 | 1 | 15 | 19 | 12 |
| 14. AHRQ overall Prevention Quality Indicator (PQI) composite | 21 | 10 | 24 | 15 | 9 | 18 | 5 | 12 | 16 | 23 | 6 | 4 | 7 | 2 | 22 | 1 | 11 | 3 | 17 | 14 | 13 | 20 | 19 | 8 |
| 15. AHRQ acute Prevention Quality Indicator (PQI) composite | 23 | 10 | 24 | 13 | 15 | 19 | 9 | 16 | 11 | 22 | 3 | 2 | 12 | 4 | 20 | 1 | 6 | 5 | 17 | 8 | 14 | 21 | 18 | 7 |
| 16. AHRQ chronic Prevention Quality Indicator (PQI) composite | 15 | 11 | 24 | 19 | 8 | 16 | 4 | 9 | 20 | 23 | 6 | 7 | 5 | 2 | 22 | 1 | 12 | 3 | 17 | 18 | 13 | 14 | 21 | 10 |

Created by PCO, OPCA, PHPA, DHMH, 2/24/16

Source: HSCRC, 2014 data prepared by the Virtual Data Unit. Data results after application of AHRQ PQI methodology.

* Includes only Maryland Residents.

[1]Quartile ranking was modified to address the range of counties reporting data

Data retrieved from Maryland's State Health Improvement Process' (SHIP) website

- Top Quartile (Best)
- Second Quartile
- Third Quartile
- Bottom Quartile (Worst)
- Data Unavailable/Sample Size too Small

Table 1: Health Indicator Rankings by Jurisdiction, Maryland, 2016 (PQI & SHIP)

Prevention Quality Indicators (PQI) & State Health Improvement Process (SHIP) Rankings by Jurisdiction

| Jurisdictions | Allegany | Anne Arundel | Baltimore Cirty | Baltimore County | Calvert | Caroline | Carroll | Cecil | Charles | Dorchester | Frederick | Garrett | Harford | Howard | Kent | Montgomery | Prince George's | Queen Anne's | Saint Mary's | Somerset | Talbot | Washington | Wicomico | Worcester |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SHIP Data** | | | | | | | | | | | | | | | | | | | | | | | | |
| Healthy Beginnings | | | | | | | | | | | | | | | | | | | | | | | | |
| 17. Infant Death Rate | 16 | 9 | 24 | 12 | 3 | 20 | 1 | 10 | 11 | 12 | 2 | 17 | 5 | 6 | 15 | 3 | 18 | 14 | 6 | 23 | 18 | 6 | 22 | 20 |
| 18. Babies With Low Birth Weight | 22 | 11 | 24 | 17 | 19 | 5 | 9 | 8 | 15 | 22 | 10 | 13 | 6 | 14 | 18 | 11 | 21 | 3 | 4 | 2 | 19 | 6 | 16 | 1 |
| 19. Sudden Unexpected Infant Death Rate (SUIDs)[1] | 13 | 6 | 14 | 5 | | | 8 | 9 | 7 | | 4 | | 3 | 1 | | 2 | 12 | | 11 | | | 9 | | |
| 20. Teen Birth Rate | 19 | 11 | 24 | 10 | 8 | 18 | 2 | 16 | 13 | 22 | 4 | 21 | 3 | 1 | 7 | 6 | 17 | 5 | 9 | 23 | 12 | 20 | 15 | 14 |
| 21. Early Prenatal Care | 4 | 17 | 23 | 22 | 7 | 13 | 18 | 10 | 21 | 16 | 8 | 3 | 12 | 18 | 2 | 20 | 24 | 1 | 6 | 9 | 15 | 19 | 14 | 5 |
| 22. Students Entering Kindergarten Ready to Learn* | 6 | 14 | 20 | 11 | 13 | 1 | 2 | 18 | 16 | 20 | 6 | 6 | 6 | 14 | 22 | 17 | 18 | 3 | 10 | 4 | 23 | 24 | 4 | 11 |
| 23. High School Graduation Rate* | 9 | 18 | 24 | 19 | 2 | 22 | 1 | 16 | 10 | 17 | 7 | 5 | 13 | 6 | 14 | 14 | 23 | 3 | 4 | 20 | 8 | 12 | 21 | 11 |
| 24. Children Receiving Blood Lead Screening | 1 | 15 | 5 | 6 | 24 | 3 | 21 | 20 | 11 | 13 | 22 | 16 | 17 | 18 | 10 | 8 | 12 | 23 | 7 | 4 | 2 | 19 | 14 | 9 |
| Healthy Living | | | | | | | | | | | | | | | | | | | | | | | | |
| 25. Adults who are a Healthy Weight | 19 | 7 | 9 | 11 | 15 | 18 | 6 | 15 | 20 | 14 | 5 | 3 | 8 | 4 | 23 | 1 | 13 | 2 | 12 | 24 | 10 | 20 | 17 | 22 |
| 26. Children And Adolescents Who Are Obese (high school) | 17 | 14 | 19 | 12 | 8 | 20 | 6 | 16 | 15 | 23 | 7 | 21 | 8 | 1 | 22 | 2 | 18 | 3 | 5 | 24 | 4 | 11 | 12 | 10 |
| 27. Adults who Currently Smoke | 23 | 10 | 22 | 13 | 8 | 21 | 15 | 10 | 3 | 13 | 17 | 19 | 7 | 6 | 16 | 1 | 5 | 17 | 24 | 2 | 9 | 20 | 4 | 12 |
| 28. Adolescents who Use Tobacco Products | 22 | 6 | 4 | 7 | 15 | 20 | 8 | 18 | 5 | 17 | 10 | 24 | 11 | 1 | 21 | 2 | 3 | 13 | 9 | 15 | 11 | 18 | 14 | 23 |
| 29. HIV Incidence Rate | 10 | 14 | 24 | 19 | 3 | 4 | 2 | 12 | 22 | 16 | 9 | 5 | 17 | 15 | 1 | 21 | 23 | 7 | 13 | 20 | 11 | 8 | 18 | 6 |
| 30. Chlamydia Infection Rate* | 12 | 11 | 24 | 17 | 10 | 15 | 1 | 7 | 20 | 23 | 8 | 3 | 2 | 5 | 14 | 9 | 22 | 4 | 6 | 16 | 18 | 13 | 19 | 21 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Healthy Living Continued** | | | | | | | | | | | | | | | | | | | | | | | | |
| 31. Life Expectancy | 19 | 5 | 24 | 12 | 12 | 23 | 6 | 21 | 16 | 17 | 4 | 15 | 10 | 2 | 6 | 1 | 8 | 12 | 10 | 22 | 3 | 18 | 20 | 8 |
| 32. Increase Physical Activity | 21 | 7 | 17 | 16 | 19 | 23 | 5 | 22 | 1 | 24 | 2 | 14 | 13 | 8 | 19 | 3 | 12 | 9 | 3 | 18 | 11 | 10 | 15 | 6 |
| **Healthy Communities** | | | | | | | | | | | | | | | | | | | | | | | | |
| 33. Child Maltreatment Rate | 22 | 5 | 20 | 10 | 13 | 17 | 2 | 18 | 9 | 23 | 11 | 7 | 12 | 1 | 15 | 3 | 8 | 4 | 6 | 21 | 16 | 19 | 14 | 24 |
| 34. Suicide Rate[1] | 10 | 5 | 2 | 8 | 16 | | 12 | 17 | 11 | | 6 | | 9 | 4 | | 2 | 1 | 18 | 12 | | | 15 | 7 | 14 |
| 35. Domestic Violence | 21 | 16 | 13 | 24 | 10 | 8 | 7 | 14 | 19 | 22 | 15 | 12 | 6 | 18 | 5 | 1 | 4 | 9 | 23 | 11 | 3 | 2 | 20 | 17 |
| 36. Children with Elevated Blood Lead Levels | 16 | 5 | 23 | 10 | 1 | 20 | 20 | 12 | 10 | 5 | 12 | 1 | 1 | 5 | 16 | 5 | 5 | 19 | 1 | 20 | 24 | 12 | 12 | 16 |
| 37. Fall-related Death Rate[1] | 13 | 3 | 11 | 12 | | | 8 | | 5 | | 1 | | 10 | 6 | | 4 | 2 | | | | | 7 | 9 | |
| 38. Pedestrian Injury Rate on Public Roads* | 4 | 18 | 24 | 22 | 12 | 3 | 11 | 15 | 14 | 16 | 8 | 1 | 10 | 6 | 5 | 21 | 20 | 2 | 9 | 13 | 7 | 17 | 19 | 23 |
| 39. Affordable Housing | 1 | 22 | 4 | 9 | 15 | 5 | 23 | 8 | 19 | 7 | 17 | 11 | 16 | 24 | 13 | 21 | 12 | 20 | 14 | 2 | 18 | 6 | 3 | 10 |
| **Access to Health Care** | | | | | | | | | | | | | | | | | | | | | | | | |
| 40. Adolescents who Received a Wellness Checkup in the Last Year | 13 | 18 | 6 | 7 | 20 | 12 | 19 | 17 | 23 | 9 | 14 | 24 | 14 | 4 | 16 | 1 | 8 | 22 | 21 | 2 | 3 | 10 | 5 | 11 |
| 41. Children Receiving Dental care in the Last Year | 16 | 19 | 14 | 15 | 20 | 3 | 23 | 22 | 24 | 6 | 10 | 1 | 17 | 12 | 7 | 2 | 13 | 8 | 21 | 4 | 5 | 18 | 11 | 9 |
| 42. Persons with a Usual Primary Care Provider | 19 | 16 | 23 | 17 | 3 | 13 | 7 | 2 | 11 | 22 | 9 | 11 | 8 | 17 | 14 | 21 | 24 | 5 | 10 | 1 | 6 | 4 | 20 | 14 |
| 43. Uninsured ED Visits* | 2 | 20 | 22 | 21 | 5 | 14 | 2 | 7 | 15 | 13 | 17 | 10 | 2 | 16 | 1 | 23 | 24 | 7 | 6 | 9 | 11 | 18 | 19 | 11 |

- Top Quartile (Best)
- Second Quartile
- Third Quartile
- Bottom Quartile (Worst)
- Data Unavailable/Sample Size too Small

Created by PCO, OPCA, PHPA, DHMH, 2/24/16

Source: HSCRC, 2014 data prepared by the Virtual Data Unit. Data results after application of AHRQ PQI methodology.

* Includes only Maryland Residents.

[1]Quartile ranking was modified to address the range of counties reporting data

Data retrieved from Maryland's State Health Improvement Process' (SHIP) website

Table 1: Health Indicator Rankings by Jurisdiction, Maryland, 2016 (PQI & SHIP)

| Prevention Quality Indicators (PQI) & State Health Improvement Process (SHIP) Rankings by Jurisdiction | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jurisdictions | Allegany | Anne Arundel | Baltimore Cirty | Baltimore County | Calvert | Caroline | Carroll | Cecil | Charles | Dorchester | Frederick | Garrett | Harford | Howard | Kent | Montgomery | Prince George's | Queen Anne's | Saint Mary's | Somerset | Talbot | Washington | Wicomico | Worcester |
| Quality Preventive Care | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44. Age-adjusted Mortality Rate from Cancer | | 8 | 10 | 23 | 12 | 13 | 14 | 9 | 21 | 18 | 20 | 4 | 3 | 11 | 2 | 5 | 1 | 6 | 15 | 19 | 24 | 7 | 16 | 22 | 17 |
| 45. Emergency Department Visit Rate Due To Diabetes* | | 15 | 10 | 24 | 9 | 7 | 16 | 3 | 18 | 16 | 23 | 8 | 21 | 5 | 2 | 12 | 1 | 6 | 4 | 13 | 19 | 20 | 11 | 22 | 14 |
| 46. Emergency Department Visit Rate Due To Hypertension* | | 17 | 7 | 24 | 10 | 14 | 13 | 4 | 12 | 21 | 23 | 5 | 3 | 8 | 1 | 20 | 2 | 14 | 9 | 19 | 11 | 16 | 6 | 22 | 18 |
| 47. Drug-induced Death Rate[1] | | 14 | 8 | 16 | 10 | 13 | 17 | 9 | 15 | 3 | | 6 | | 11 | 4 | | 1 | 2 | | 3 | | | 12 | 7 | |
| 48. Emergency Department Visits Related to Mental Health Conditions* | | 15 | 14 | 20 | 7 | 6 | 12 | 8 | 16 | 3 | 24 | 11 | 23 | 5 | 4 | 10 | 2 | 1 | 9 | 21 | 17 | 13 | 18 | 19 | 22 |
| 49. Hospitalization Rate Related to Alzheimer's or Other Dementias* | | 24 | 16 | 23 | 17 | 11 | 2 | 22 | 4 | 14 | 8 | 12 | 9 | 13 | 15 | 20 | 5 | 18 | 3 | 21 | 19 | 1 | 10 | 7 | 6 |
| 50. Annual Season Influenza Vaccinations | | 24 | 6 | 15 | 11 | 17 | 5 | 10 | 8 | 14 | 8 | 12 | 23 | 2 | 7 | 16 | 4 | 21 | 1 | 21 | 19 | 3 | 20 | 18 | 13 |
| 51. Emergency Department Visit Rate due to Asthma | | 14 | 6 | 24 | 16 | 5 | 19 | 1 | 7 | 17 | 23 | 4 | 10 | 8 | 2 | 18 | 3 | 11 | 12 | 13 | 20 | 21 | 9 | 22 | 15 |
| 52. Age-Adjusted Mortality Rate From Heart Disease | | 22 | 6 | 21 | 9 | 16 | 17 | 10 | 15 | 13 | 18 | 7 | 20 | 8 | 2 | 4 | 1 | 11 | 5 | 14 | 24 | 3 | 19 | 23 | 12 |
| 53. Emergency Department Visits for Addictions-Related Conditions* | | 11 | 13 | 24 | 10 | 14 | 9 | 7 | 19 | 4 | 23 | 8 | 5 | 16 | 1 | 12 | 2 | 3 | 6 | 20 | 18 | 15 | 17 | 22 | 21 |
| 54. Emergency Department Visit Rate for Dental Care* | | 15 | 6 | 23 | 8 | 14 | 16 | 5 | 21 | 10 | 24 | 4 | 11 | 9 | 1 | 19 | 2 | 3 | 7 | 12 | 17 | 18 | 13 | 22 | 20 |

Top Quartile (Best)
Second Quartile
Third Quartile
Bottom Quartile (Worst)
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# Priorities for 2017

- Chronic Disease, focusing on risk factors-nutrition, physical Activity and tobacco
- Access to Care & Linkages to Community Resources
- Behavioral Health: Mental Health & Substance Use
- Family Structure with emphasis on maternal, child and adolescent health
- Social Determinants of health, specifically economic inequities and poverty

# LINKS TO DATA SOURCES

- ROBERT WOODS JOHNSON - http://www.rwjf.org
- MARYLAND VITAL STATISTICS - http://dhmh.maryland.gov/vsa
- STATE HEALTH IMPROVEMENT PLAN (SHIP) - http://dhmh.maryland.gov/ship
- PREVENTION QUALITY INDICATOR (PQI) - https://data.maryland.gov/Health-and-Human-Services/Prevention-Quality-Indicator-PQI-Composite-Measure/8i54-c2wb
- GARRETT COUNTY HEALTH DEPARTMENT - http://www.garretthealth.org
- YOUTH RISK BEHAVIOR SURVEY (YRBS) - http://phpa.dhmh.maryland.gov/ccdpc/Reports/Pages/yrbs.aspx

If you are unable to click on link, copy and paste to your browser