

### Maryland Cancer Collaborative Annual Meeting

September 26, 2017 Anne Arundel Community College 101 College Parkway Arnold, MD 21012





Welcome!

Dr. Ken Lin Tai Director, Center for Cancer Prevention and Control Maryland Department of Health





#### MCC Purpose and 9 Habits of Successful Comprehensive Cancer Control Coalitions

Elizabeth A. Platz, ScD, MPH Chair, Maryland Cancer Collaborative September 26, 2017



# What is the Maryland Cancer Collaborative?

• The Maryland Cancer Collaborative (MCC) is a statewide coalition of volunteers who implement the Maryland Comprehensive Cancer Control Plan.



### Background

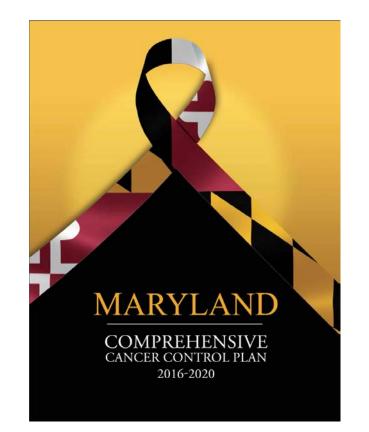
- As part of the US cancer control effort, the Centers for Disease Control and Prevention's (CDC) National Comprehensive Cancer Control Program supports US states, tribes, and territories to develop a **comprehensive cancer control plan**.
- Per CDC "*Comprehensive cancer control* is a strategic approach to preventing or minimizing the impact of cancer in communities".

### Background

- The plans are tailored to the cancer problems experienced by the residents of those areas.
- The plans typically describe the cancer problems in their community and include goals, objectives, and strategies to achieve those objectives.
- As a requirement for receipt of CDC funding for cancer plans, recipients assemble **coalitions of stakeholder** to implement the plans.
  - ✓ That's our Maryland Cancer Collaborative!

#### **Goals of the Maryland Cancer Collaborative**

- Work with individuals and organizations throughout the state to implement the Maryland Comprehensive Cancer Control Plan, and
- Bring together existing groups and new partners from across the state to collaborate on a common goal: reducing the burden of cancer in Maryland.



#### **Maryland Cancer Collaborative Structure**

- Members of the MCC choose priority objectives and strategies from the Cancer Plan, and form workgroups that meet regularly to implement projects in support of those priorities.
- Current MCC workgroups are Access to Care and Services, Communications, HPV Vaccination, Hospice Utilization Data, and Tobacco Cessation Workgroup.
- The MCC is led by a Steering Committee that is composed of chairs of current workgroups and some chairs of workgroups ongoing from the prior cancer plan.

#### **Anyone Interested Can Join the MCC!**

- Membership is open to individuals and organizations who are interested in taking action to reduce the burden of cancer in Maryland.
- Benefits of membership include:
- Collaboration to increase impact and maximize resources
- Regular updates on cancer control activities
- Access to educational resources, training opportunities, job openings, and grant opportunities
- Opportunity to shape MCC activities

#### **MCC Members Agree to:**

- Be identified as a member of the Maryland Cancer Collaborative
- Support and utilize the Cancer Plan
- Participate in meetings regularly (except for corresponding members)
- Take specific action to implement the goals, objectives, and strategies of the Cancer Plan
- Support and participate in evaluation of implementation efforts
- Report implementation efforts and progress to MDH
- Report in-kind contributions toward MCC activities, such as student volunteer time, donated meeting space, implementation efforts, etc.
- Abide by and adhere to Approval Procedure for Communicating Beyond the Collaborative
- Abide by and adhere to Policy Ground Rules
- Bring available resources to the table (expertise, specific skills, educational materials, website and/or graphic design services, mailings, meeting rooms, student volunteers, etc.)

#### **MCC Member Engagement Activities**

- A monthly e-update sent to members
- The creation of Cancer Plan implementation awards to highlight and recognize significant contributions to Cancer Plan implementation
- The creation of the organizational membership leve within the MCC
- The launch of a Facebook page (<u>https://www.facebook.com/MarylandCancerColla</u> <u>borative</u>)
- <u>http://phpa.dhmh.maryland.gov/cancer/cancerplan/Pages/collabora</u> <u>tive.aspx</u>

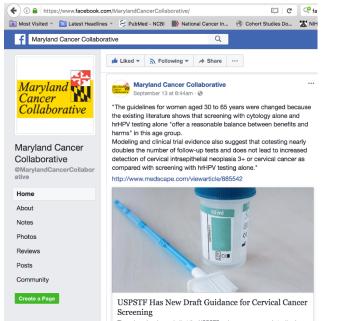


#### Greetings! Below you will find the September Maryland Cancer Collaborative E-Update.

This update includes information about Maryland Cancer Collaborative (MCC) meetings, progress, and other pertinent information. Please read through the entire email because there are lots of updates. Please forward to your partners and local cancer coalitions!

#### Reminder: The MCC is on Facebook!

Don't forget to follow our page for more frequent updates on cancer prevention and control-you don't have to have a Facebook account to view the page! However if you are on Facebook and "like" the MCC, you can post updates to the page and share information with other followers.



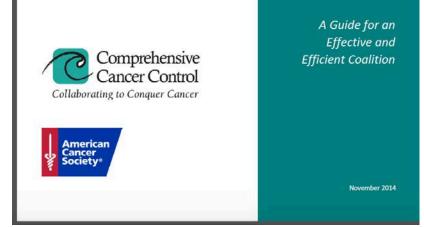
The only major change is that the USPSTF no longer recommends testing in women 30 years and older.

www.medscape.com/viewarticle/885542 MEDSCAPE.COM

#### Increasing MCC Effectiveness in Achieving our Cancer Plan Goals

• "The Nine Habits were developed utilizing information from an evaluation in 2012 that identified the attributes of high-performing CCC **Programs and with input from CCC** coalition members and many comprehensive cancer control experts throughout the nation."

Nine Habits of Successful Comprehensive Cancer Control Coalitions



http://www.cccnationalpartners.org/new-resource-9-habits-successful-comprehensive-cancer-control-coalitions

#### **Habit 1: Empowering Leadership**

- Strong coalition leaders show their leadership by welcoming decision making by their members.
- This empowerment builds trust and encourages accountability among members.

#### **Habit 2: Shared Decision Making**

- Shared decision making guides the coalition.
- Steps are put in place so that no one organization overpowers the decisions made by the coalition.

#### **Habit 3: Value-added Collaboration**

• Members acknowledge and appreciate the benefits of forging alliances and working on efforts that might not be prioritized without the coalition.

#### Habit 4: Dedicated Staff

• Because the members of the coalition are volunteers, who often hold leadership positions within their own organizations, the burden of additional work for coalition members needs to be recognized and partially handled by dedicated staff.

#### **Habit 5: Diversified Funding**

• Diversified funding can create wider support of and involvement in the coalition's efforts by a greater number of stakeholders and can allow the coalition to remain viable if one source of funding disappears.

#### **Habit 6: Effective Communication**

 Coalition communication is a consistent and purposeful dialogue that uses all appropriate channels for discussion and feedback, including email, websites, phone calls, meetings, and newsletters.

#### Habit 7: Clear Roles and Accountability

- Coalition members understand their roles and feel accountable for accomplishing agreed-upon tasks.
- Members understand the mission of the coalition and how they, as individuals, can help achieve that mission.
- Coalition member roles are defined and communicated both verbally and in written documents.

#### Habit 8: Flexible Structure

- The coalition structure is flexible, adapts to challenges, and facilitates implementation of the cancer plan.
- The coalition strives to operate in a way that maximizes the effective and efficient work of its coalition members.

#### **Habit 9: Priority Work Plans**

- Priorities are chosen and work plans are developed around evidence-based strategies.
- Work plans clearly articulate the expected outcomes, methods to reach those outcomes, responsibilities, and timelines.
- The work plans are used to guide actions and are revised as challenges and opportunities arise.



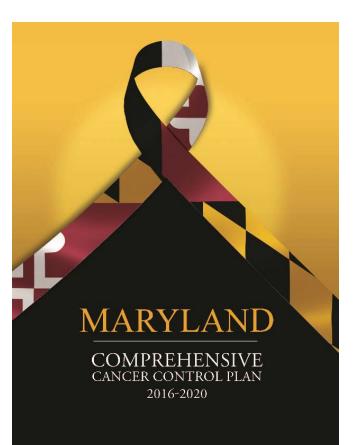
#### The Maryland Cancer Collaborative Member Satisfaction Survey

Brian Mattingly Director, MCCCP September 26, 2017



### **Maryland Cancer Collaborative**

The Maryland Cancer Collaborative (MCC) is a network of volunteers who come together to implement the Maryland Comprehensive Cancer Control Plan.





#### MCC Annual Member Satisfaction Survey

#### **Survey Goals:**

- To evaluate the extent to which partners are satisfied with the Collaborative
- To collect feedback to improve member satisfaction and the Collaborative
- To inform the Collaborative Steering Committee
- To provide an opportunity for members to be heard



#### 2017 Maryland Cancer Collaborative Member Satisfaction Survey

The Maryland Department of Health (MDH), Center for Cancer Prevention and Control is administering a member satisfaction survey to Maryland Cancer Collaborative (MCC) members: As a member of the MCC, you are invited to participate in this survey. By completing this survey you will help the MCC to assess member satisfaction. It is also an opportunity to get feedback from you. The survey should take no more than 5 minutes to complete, depending on your type of membership. Your responses are confidential and cannot be identified by individuals. They will be complete together and analyzed as a group. We appreciate the time you take to complete this survey. Thank you for your support!

#### The goals of the MCC are:

- Work with individuals and organizations throughout the state to implement the Maryland Comprehensive Cancer Control
   Blap, and,
- Bring together existing groups and new partners from across the state to collaborate on a common goal; reducing the burden of cancer in Maryland.

#### Members of the MCC agree to

- Be identified as a member of the Maryland Cancer Collaborative
- Support and utilize the Cancer Plan
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  - vices, makings, meeting rooms, student volunteers, etc.) port in kind contributions toward Mandand Cancer Collaborative activities, such as d



#### Description of Respondent Workgroup Representation

Workgroup	%
Access to Care and Services Workgroup	21%
Tobacco Cessation Workgroup	19%
HPV Vaccination Workgroup	14%
Communications Workgroup	11%
Hospice Utilization Data Workgroup	9%
Former Patient Navigation Workgroup Member	5%
Corresponding Member**	37%
Unsure	7%

\*The percentage total is greater than 100% because some members serve on multiple workgroups.

\*\*Corresponding members are those who did not participate in any of the MCC workgroups, however, they received email communications/updates from the MCCCP.



- The majority (59%) of respondents indicated that they have been with the Collaborative for at least 2 years.
- The top three reasons why the respondents joined the Collaborative were to:
  - Show support for the Maryland Comprehensive Cancer Plan;
  - Collaborate and network with other cancer
  - professionals/agencies/organizations; and
  - Work on the implementation of the Maryland Comprehensive Cancer Control Plan.

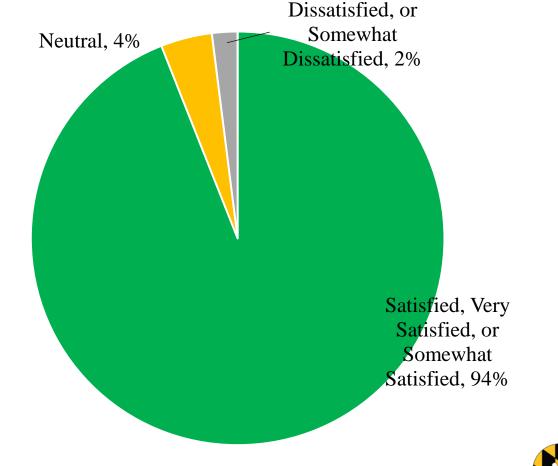


#### **Benefits of Memberships**

Participation in the Collaborative has helped develop relationships and partnerships with other individuals and/or organizations.	79%
Participation in the Collaborative has increased my knowledge of cancer information, and available resources and services for cancer control in Maryland.	79%
Participation in the Collaborative has encouraged sharing of best practices among individuals and organizations.	57%
Other*	7%



Overall, 94% of the respondents were very satisfied, satisfied, or somewhat satisfied with the Collaborative.





#### **Comments and Areas for Improvement**

• Distance to meetings is often burdensome

MCC will continue to support the use of teleconference in lieu of in-person meetings, however, when there is an in-person meeting, the MCC will attempt to hold meetings at a centralized location (e.g., at Anne Arundel Community College).

#### • Provide more engagement opportunities

*MCC will continue to encourage members to interact with one another via workgroup meetings and communications, the MCC Annual Meeting, the MCC Facebook page, and E-Update.* 

• Members enjoy the MCC E-Update

Contains very timely and relevant information



### **Challenges from the Survey:**

Low Response Rate

Past suggestions include:

-decreasing survey length overall

-decreasing survey length based on type of membership, and -provide greater explanation.

• Results may not provide an accurate representation of the entire MCC membership base due to low response rate.







### Update on Cancer Burden in Maryland

Elizabeth A. Platz, ScD, MPH Chair, Maryland Cancer Collaborative September 26, 2017



#### Maryland Demographics, 2016 (US Census Estimates)

≥65 years old	14.6%
Female	51.6%
White	59.3%
Black	30.7%
American Indian/Alaska Native	0.6%
Asian	6.6%
Native Hawaiian/Pacific Islander	0.1%
Two or More Races	2.8%
Hispanic or Latino	9.8%

Residents

6,016,447

$\geq$ High school graduate ( $\geq$ 25 years old)	89.4%
No health insurance (<65 years old)	7.0%
Median household income	\$74,551
Poverty	9.7%
Veterans	403,90 0
Foreign born	14.5%
Language other English spoken at home (>5 years old)	17.2%
With a disability (<65 years old)	7.1%

https://www.census.gov/quickfacts/fact/table/MD#viewtop

#### All Cancer Sites Incidence and Mortality Rates by Gender and Race, Maryland and the United States, 2014

Incidence 2014	Total*	Males	Females	Whites	Blacks	Other
New Cases (count)	29,912	14,673	15,234	20,530	8,043	1,014
MD Incidence Rate	442.0	481.4	416.3	450.6	443.6	247.4
U.S. SEER Rate	428.6	463.5	406.7	437.5	431.8	279.1
Mortality 2014	Total	Males	Females	Whites	Blacks	Other
Deaths (count)	10,759	5,445	5,314	7,433	3,008	318
MD Mortality Rate	161.8	191.5	141.7	160.6	181.0	85.7
U.S. Mortality Rate	161.3	193.6	137.9	161.9	186.4	N/A

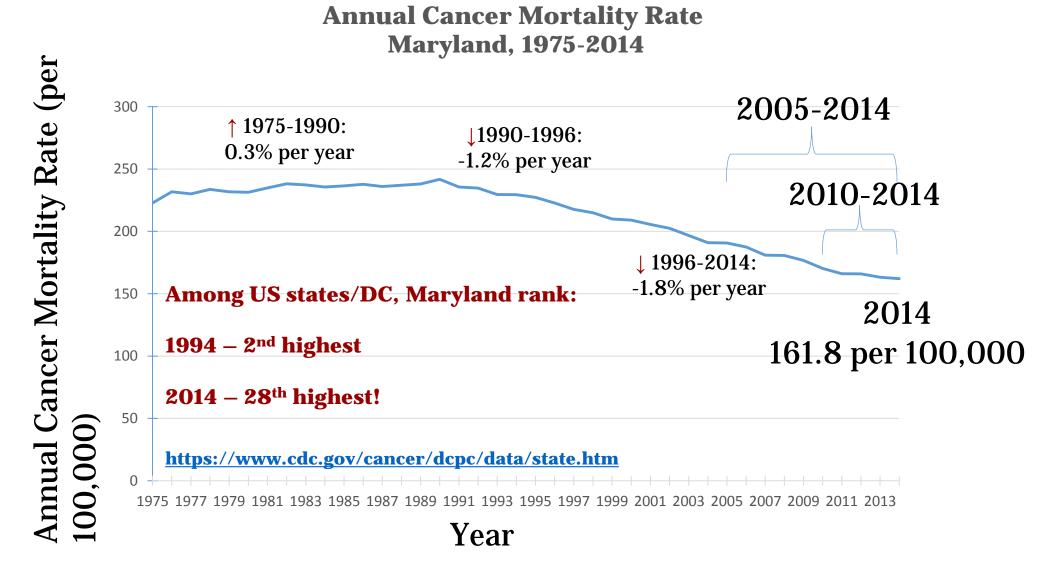
Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

\* Total also includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race, and unknown county

rce: Maryland Cancer Registry U.S. SEER, SEER\*Stat NCHS Compressed Mortality File in CDC WONDER, 2014 U.S. SEER, Cancer Statistics Review

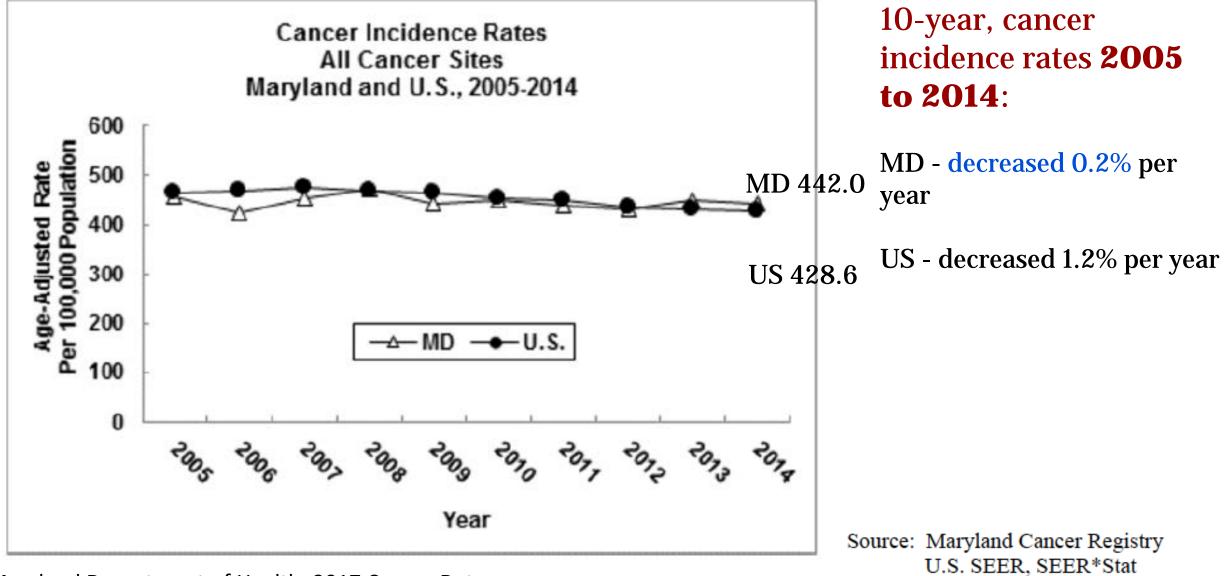


## **40-Year Maryland Cancer Mortality Rate Trends are Remarkable!**



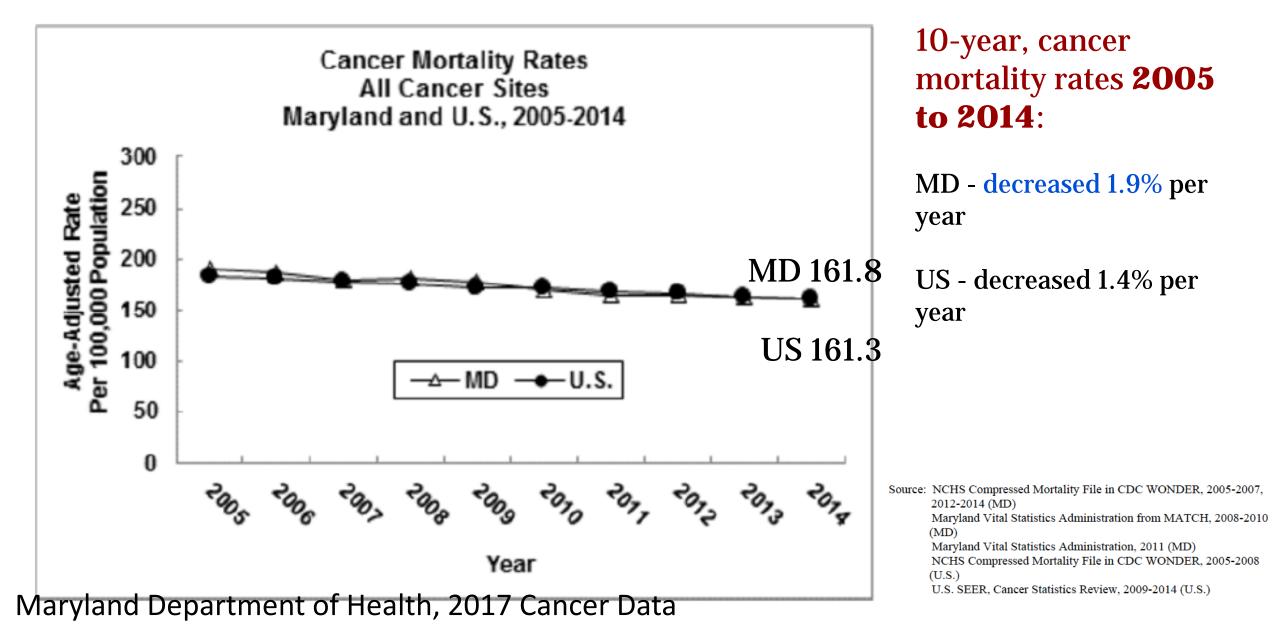
https://statecancerprofiles.cancer.gov/historicaltrend/index.php?0&9924&999&7599&001&001&00&0&0&0&0&1&1#results

## Maryland Cancer Incidence Rates have Decreased More Slowly than the US Rates, 2005-2014

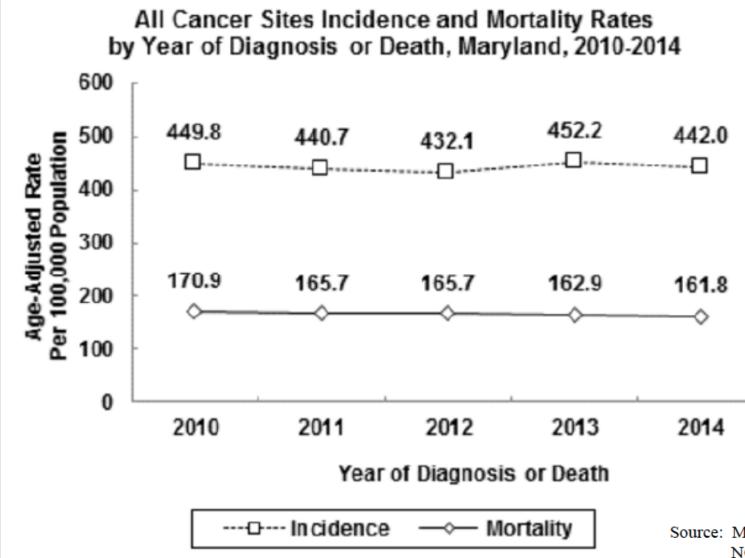


Maryland Department of Health, 2017 Cancer Data

# Maryland Cancer Mortality Rates have been Similar to the US and have Decreased, 2005-2014



### We Need to Bend 2010-2014 Cancer Rates Downward!



Maryland Department of Health, 2017 Cancer Data

5-year, cancer incidence rate **2010 to 2014**:

MD - decreased 0.1% per year

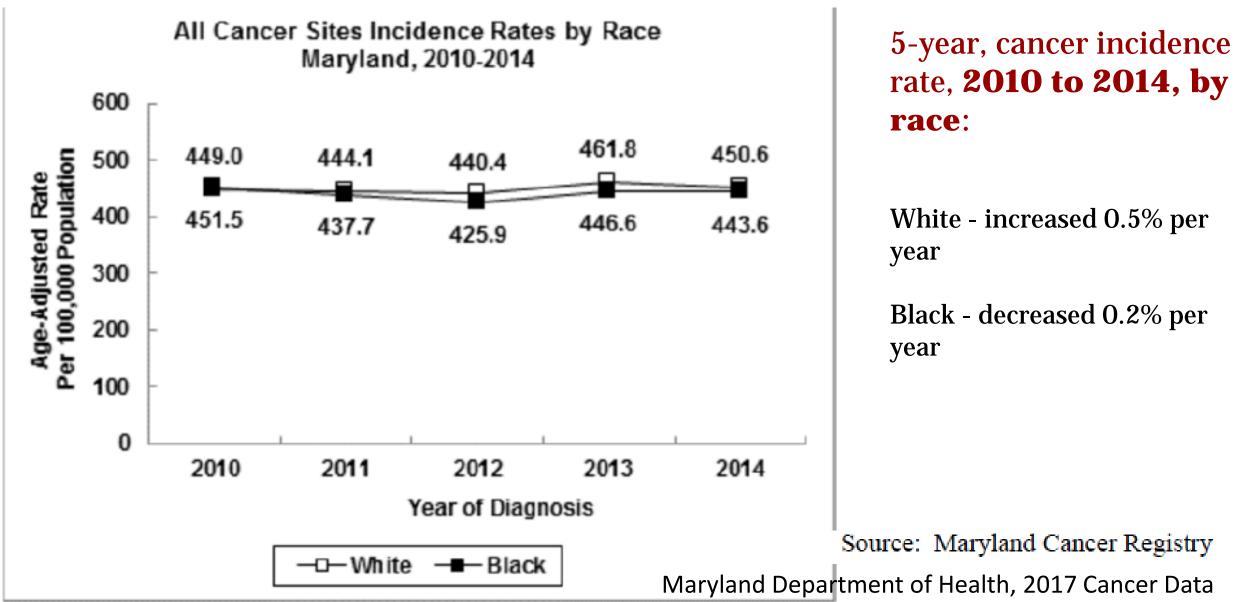
# 5-year, cancer mortality rate **2010 to 2014**:

MD - decreased 1.3% per year

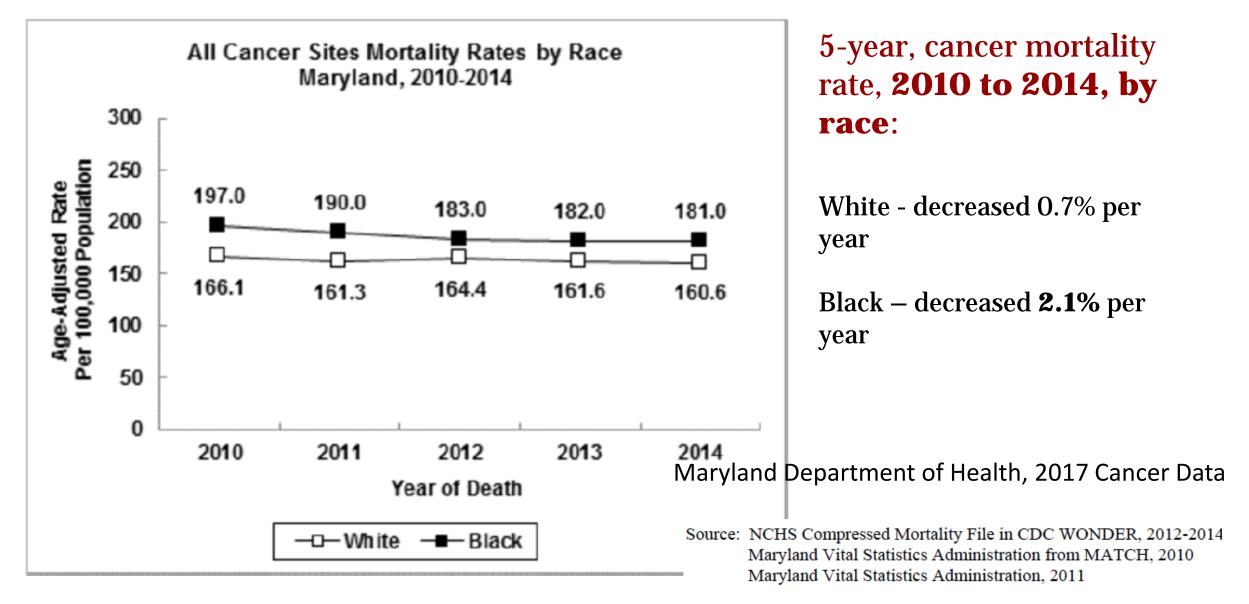
Source: Maryland Cancer Registry

NCHS Compressed Mortality File in CDC WONDER, 2012-2014 Maryland Vital Statistics Administration from MATCH, 2010 Maryland Vital Statistics Administration, 2011

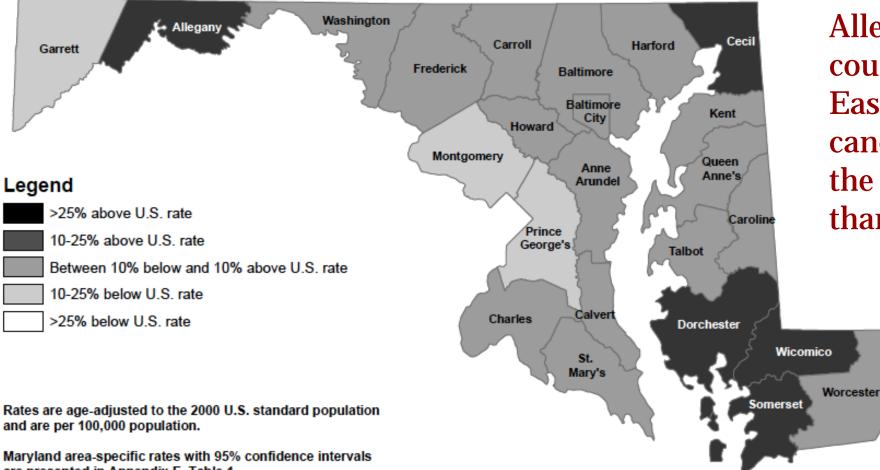
### Cancer Incidence Rates are Similar in Black and White Maryland Residents



### Cancer Mortality Rates are Higher in Black than White Maryland Residents, but the Disparity Gap is closing!



### Maryland All Cancer Sites Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2010-2014



Allegany Co, and some counties on Maryland's **Eastern Shore have higher** cancer incidence rates than the rest of Maryland and than the US.

Maryland Department of Health, 2017 Cancer Data

and are per 100,000 population.

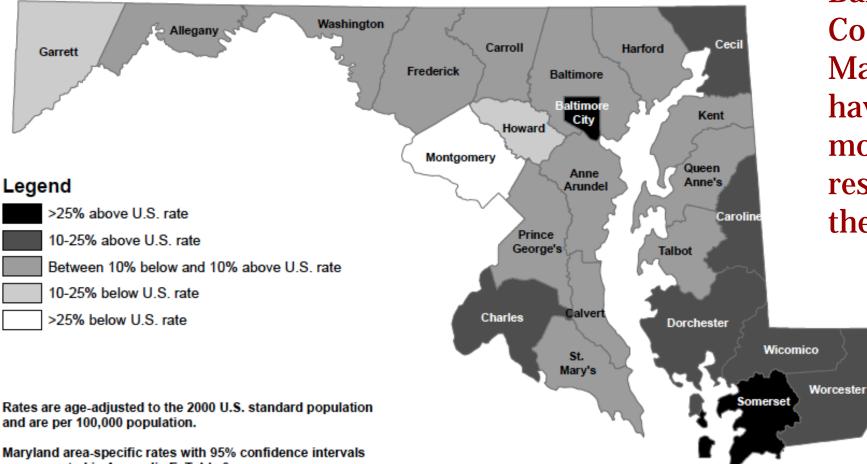
Maryland area-specific rates with 95% confidence intervals are presented in Appendix E, Table 1.

U.S. all cancer sites incidence rate, 2010-2014: 442.7 / 100,000

Maryland all cancer sites incidence rate, 2010-2014: 443.4 / 100,000

Sources: Maryland Cancer Registry U.S. SEER, SEER\*Stat Database

### Maryland All Cancer Sites Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2010-2014



**Baltimore City, Charles** Co., and some counties on Maryland's Eastern Shore have higher cancer mortality rates than the rest of Maryland and than the US.

Rates are age-adjusted to the 2000 U.S. standard population

Maryland area-specific rates with 95% confidence intervals are presented in Appendix E, Table 9.

U.S. all cancer sites mortality rate, 2010-2014: 166.1 / 100,000

Maryland all cancer sites mortality rate, 2010-2014: 165.4 / 100,000

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

#### Maryland Department of Health, 2017 Cancer Data

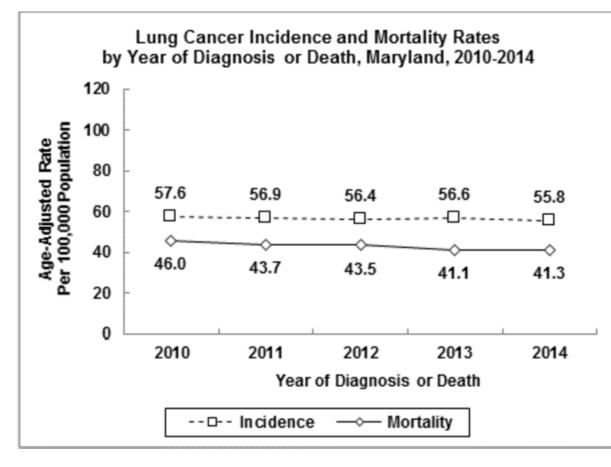
Maryland - 23 counties and Baltimore City					
	Above US Rate	Similar to US Rate	Below US Rate		
Rising Trend	Priority 1: rising <sup>†</sup> and above <sup>†</sup>	Priority 2: rising <sup>†</sup> and similar =	Priority 3: rising 🕇 and below 🕇		
	[none]	[none]	[none]		
Stable Trend	Priority 4: stable $\rightarrow$ and above $\uparrow$	Priority 6: stable — and similar =	Priority 7: stable $\rightarrow$ and below $\downarrow$		
Irenu	Baltimore City	[none]	Garrett County		
Falling Trend	Priority 5: falling $\downarrow$ and above $\uparrow$	Priority 8: falling $\downarrow$ and similar =	Priority 9: falling $ ilde{} $ and below $ ilde{} $		
	Cecil County	Maryland	Howard County		
	Charles County	Allegany County	Montgomery County		
	Dorchester County	Anne Arundel County			
	Somerset County	Baltimore County			
	Wicomico County	Calvert County			
		Caroline County			
		Carroll County			
		Frederick County Harford County			
	<b>Good news!</b>		<b>Good news!</b>		
	Good news:	Gotor Georges County	Good news:		
		Queen Annes County			
		St. Marys County			
		Talbot County			
		Washington County Worcester County			

**Notes:** Created by statecancerprofiles.cancer.gov on 09/24/2017 8:47 am.

## **High burden cancers and cervical cancer**

- 2010-2014 data
- Think about opportunities for implementing the Cancer Plan to reduce the burden of these cancers.

## **Lung Cancer Incidence and Mortality Rates**



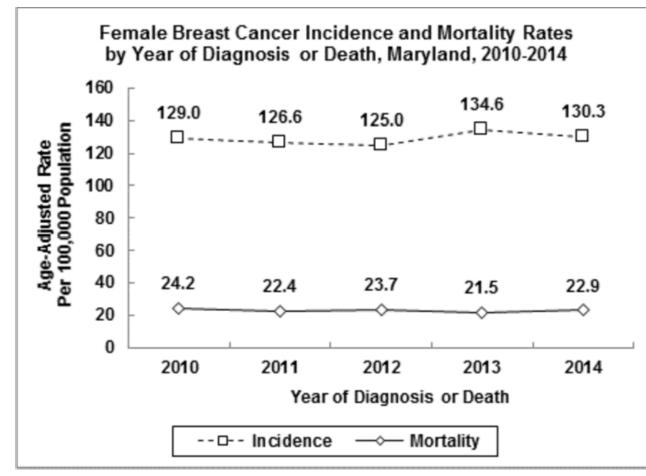
Source: Maryland Cancer Registry NCHS Compressed Mortality File in CDC WONDER, 2012-2014 Maryland Vital Statistics Administration from MATCH, 2010 Maryland Vital Statistics Administration, 2011

#### Maryland Department of Health, 2017 Cancer Data

- 5-year, lung cancer incidence rate, **2010 to 2014**:
- MD  $\downarrow 0.7\%$  per year
- 5-year, lung cancer mortality rate, **2010 to 2014**:
- MD  $\downarrow 2.7\%$  per year



### **Female Breast Cancer Incidence and Mortality Rates**



5-year, breast cancer incidence rate, **2010 to 2014**:

MD -  $\uparrow$  0.8% per year

5-year, breast cancer mortality rate, **2010 to 2014**:

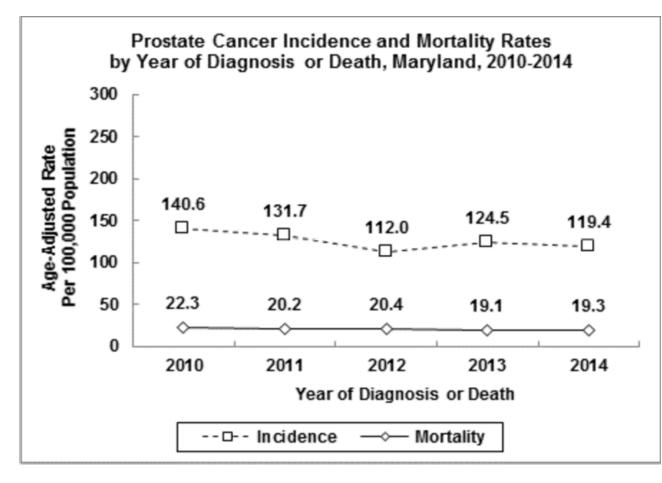
MD -  $\downarrow$  1.5% per year

Maryland Department of Health, 2017 Cancer Data

 Source: Maryland Cancer Registry NCHS Compressed Mortality File in CDC WONDER, 2012-2014 Maryland Vital Statistics Administration from MATCH, 2010 Maryland Vital Statistics Administration, 2011



### **Prostate Cancer Incidence and Mortality Rates**



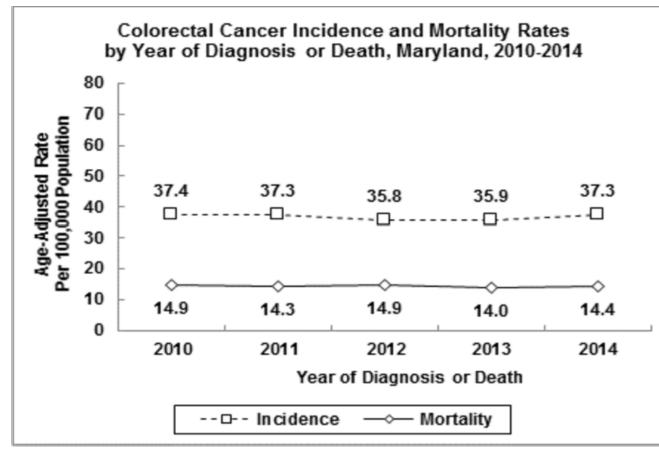
- 5-year, prostate cancer incidence rate, **2010 to 2014**:
- MD  $\downarrow$  3.8% per year
- 5-year, prostate cancer mortality rate, **2010 to 2014**:
- MD  $\downarrow$  3.4% per year

Source: Maryland Cancer Registry NCHS Compressed Mortality File in CDC WONDER, 2012-2014 Maryland Vital Statistics Administration from MATCH, 2010 Maryland Vital Statistics Administration, 2011



Maryland Department of Health, 2017 Cancer Data

### **Colorectal Cancer Incidence and Mortality Rates**



5-year, colorectal cancer incidence rate, **2010 to 2014**:

MD -  $\downarrow$  0.74% per year

5-year, colorectal cancer mortality rate, **2010 to 2014**:

MD - ↓ 0.9% per year

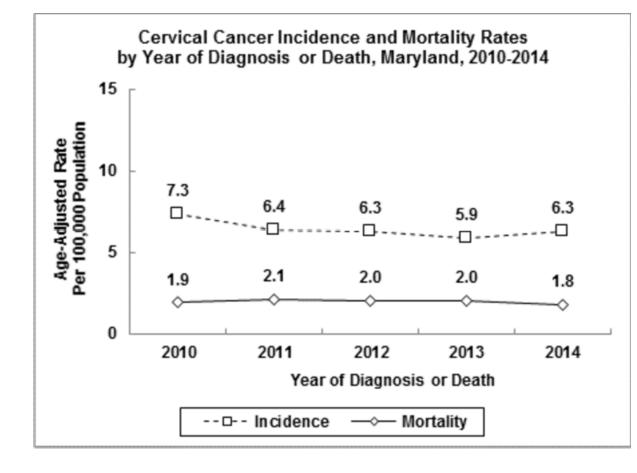
In 2014, 955 residents died of colorectal cancer.

• Source: Maryland Cancer Registry NCHS Compressed Mortality File in CDC WONDER, 2012-2014 Maryland Vital Statistics Administration, 2010-2011

Maryland Department of Health, 2017 Cancer Data



## **Cervical Cancer Incidence and Mortality Rates**



5-year, cervical cancer incidence rate, **2010 to 2014**:

 $MD - \downarrow 3.7\%$  per year

5-year, cervical cancer mortality rate, **2010 to 2014**:

MD - ↓ 1.6% per year

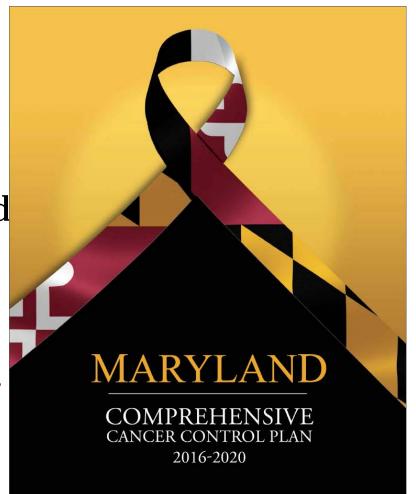
In 2014, 63 women died of cervical cancer.

partment of Health

 Source: Maryland Cancer Registry NCHS Compressed Mortality File in CDC WONDER, 2012-2014 Maryland Vital Statistics Administration from MATCH, 2010 Maryland
 Maryland Department of Health, 2017 Cancer Data Vital Statistics Administration, 2011

### 2016-2020 Maryland Comprehensive Cancer Control Plan

- Released September 15, 2016
- "The updated plan has a focus on goals, objectives, and strategies, and consolidates content into cross-cutting sections and topics. The plan's goal is to encourage collaboration and cohesiveness among stakeholders as they work towards reducing the burden of cancer in Maryland."
- Are we on target for meeting our overarching goal of reducing the burden of cancer in Maryland?



## Are we on target for reducing cancer incidence?

#### Legend:



On trend to meet target

Not on trend to meet target



#### GOAL I. REDUCE THE BURDEN OF CANCER IN MARYLAND.

	Baseline	Target	Update	Trend
<b>Objective I.</b> By 2020, reduce age-adjusted cancer incidence rates to reach the following targets:				
All Cancer Sites: 391.5 per 100,000	432.I	391.5	<b>4</b> 52.2	442.0
Cervical: 4.4 per 100,000	6.3	4.4	5.9	$\bigcirc$
Colorectal: 20.5 per 100,000	35.8	20.5	35.9	•
Female Breast: 121.2 per 100,000	125.0	121.2	134.6	
Lung: 41.6 per 100,000	56.4	41.6	56.6	
Melanoma (Skin): Not > 20.7 per 100,000	20.7	≤20.7	22.3	
Oral: 9.6 per 100,000	10.5	9.6	10.8	
Prostate: 87.3 per 100,000	112.0	87.3	124.5	
Source:	2012 MCR		2013 MCR	2014 MCR

2016 Progress Report on the Maryland Comprehensive Cancer Control Plan

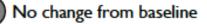
## Are we on target for reducing cancer mortality?

#### Legend:



On trend to meet target

Not on trend to meet target



#### GOAL I. REDUCE THE BURDEN OF CANCER IN MARYLAND.

	Baseline	Target	Update	Trend
<b>Objective 2.</b> By 2020, reduce age-adjusted cancer mortal- ity rates to reach the following targets:				
All Cancer Sites: 135.6 per 100,000	165.7	135.6	162.9	161.8 🔵
Cervical: 1.7 per 100,000	2.0	1.7	2.0	$\bigcirc$
Colorectal: 9.0 per 100,000	14.9	9.0	14.0	$\bigcirc$
Female Breast: 17.6 per 100,000	23.7	17.6	21.5	$\bigcirc$
Lung: 30.1 per 100,000	43.5	30.1	41.1	$\bigcirc$
Melanoma (Skin): 2.6 per 100,000	2.7	2.6	2.6	
Oral: 1.8 per 100,000	2.1	1.8	2.5	
Prostate: 11.2 per 100,000	20.4	11.2	19.1	$\bigcirc$
Source:	2012 CDC WONDER		2013 CDC WONDER	2014 CDC Wonder

2016 Progress Report on the Maryland Comprehensive Cancer Control Plan

### MCC Workgroups and Strategies: Implementation to Achieve Cancer Plan Targets

- Access to Care and Services Workgroup: The strategy is to ensure cultural, financial, and geographic access and provide information to underserved populations on how to access healthcare and supportive services.
- **Communications Workgroup:** The strategy is to use media outlets such as websites and social media outlets; print, radio, and television PSAs; billboards; and press releases to provide public health messages related to cancer.
  - a. Educate the public on the relationship between **family history**, inherited genetic mutations, and cancer risk, and the importance of genetic counseling prior to genetic testing.
  - b. Promote an annual awareness campaign around National Cancer Survivors Day to educate cancer survivors, the general public, policymakers, media, and healthcare providers about the **needs of cancer survivors** (including access to care, psychosocial needs, long-term survivorship, financial issues, and palliative care/pain management)
    c. Develop an awareness campaign to educate Maryland citizens about **palliative care**.

### Are we on target for reducing cancer mortality disparities?

GOAL I. REDUCE THE BURDEN OF CANCER IN MARYLAND (continued).

		<b>B</b> aseline	Target	Update	Trend	Moving to	ward target	Moving away from target No change f
		Basenne	1	Cpuille				
	By 2020, reduce disparities in ity to reach the following tar-					COAL		bjectives, and Strategies
						KEDO	E THE BU	RDEN IARYLAND
	ure that each jurisdiction-level							
	ality rate is no more than 10%	20	0*	19	$\bigcirc$	Objective 4	Cancer [	Disparities Targets: Incidence (age-adjusted)
	ear cancer mortality rate, or no	jurisdictions	jurisdictions	jurisdictions	$\smile$	By 2020, reduce disparities in cancer incidence and mortality to	<ul> <li>All Ca</li> </ul>	
more than 164.2 pe	er 100,000.					reach the following targets*: Target Setting Method: Trend Analysis	than 1	e that each jurisdiction-level 5-year cancer incidence rate is no more 0% above the U.S. 5-year cancer incidence rate, or no more than
	Source:	2008-2012 CDC WONDER		2009-2013 CDC WONDER		Source: Maryland Cancer Registry	5-year	per 100,000. (Target represents 10% above the 2020 projected U.S. incidence rate of 440.7 per 100,000. Refer to the map on page 54 for ction-level cancer incidence rates.)
Cervical:	White: 1.6 per 100,000	1.6	1.6	1.9		*Targets reflect disparities that are statistically significant in Maryland, however it is important to reduce rates of all cancers in all racial and ethnic groups.		al : <b>4.2 per 100,000</b> (2012 baseline: 5.9 per 100,000) <b>4.8 per 100,000</b> (2012 baseline: 7.6 per 100,000)
	Black: 2.0 per 100,000	3.0	2.0	2.7	$\bigcirc$		Colon	and Rectum 20.2 per 100,000 (2012 baseline: 34.5 per 100,000)
								22.6 per 100,000 (2012 baseline: 40.1 per 100,000)
Colon and Rectu	m: White: 7.4 per 100,000	13.5	7.4	12.8	$\bigcirc$			: <b>42.1 per 100,000</b> (2012 baseline: 58.5 per 100,000)
	Black: 13.6 per 100,000	20.1	13.6	18.2			Black:	<b>39.5 per 100,000</b> (2012 baseline: 55.9 per 100,000)
	1 /				$\smile$		White	: Not greater than 11.7 per 100,000 (2012 baseline: 11.7 per 100,000) 5.5 per 100,000 (2012 baseline: 8.3 per 100,000)
Female Breast:	White: 16.4 per 100,000	23.1	16.4	19.8	$\bigcirc$		<ul> <li>Prosta</li> </ul>	
remaie breast.	vvnice. 16.4 per 100,000	23.1	10.4	17.0				: <b>68.7 per 100,000</b> (2012 baseline: 97.5 per 100,000) <b>130.9 per 100,000</b> (2012 baseline: 159.7 per 100,000)
	Black: 19.8 per 100,000	26.5	19.8	28.1				
Oral:	White: 1.7 per 100,000	2.0	1.7	2.3				
	Black: 2.0 per 100,000	2.7	2.0	2.9	Ŏ			
Prostate:	White: 10.0 per 100,000	17.4	10.0	16.4	$\bigcirc$			
Trostate.					$\times$			
	Black: 13.5 per 100,000	35.5	13.5	32.8	$\bigcirc$			
	Source:	2012 CDC WONDER		2013 CDC WONDER				PREHENSIVE CANCER CONTROL PLAN

#### 2016 Progress Report on the Maryland Comprehensive Cancer Control Plan



#### Cancer Survivorship, Palliative Care, and Hospice Care Goals, Objectives, and Strategies INCREASE THE QUALITY OF LIFE OF CANCER SURVIVORS IN MARYLAND

#### Objective 1

By 2020, increase the proportion of cancer survivors who report that during the past 30 days, poor physical or mental health did not keep them from doing usual activities on any days to 76.3%. (2013 baseline 69.4%)

Target Setting Method: 10% Increase Source: BRFSS

#### Strategies

- Educate patients upon diagnosis about the availability of support and survivorship groups.
- Utilize patient navigators to link cancer survivors with available financial resources and insurance options available through the Maryland Health Benefit Exchange (MHBE).
- Offer self-management workshops to cancer survivors.
- Educate cancer survivors about the importance of healthy behaviors to reduce cancer recurrence risk (see section 1).
- Promote an annual awareness campaign around National Cancer Survivors
  Day to educate cancer survivors, the general public, policymakers, media, and
  healthcare providers about the needs of cancer survivors (including access to
  care, psychosocial needs, long-term survivorship, financial issues, and palliative
  care/pain management).
- Implement systems changes to ensure that all newly diagnosed patients receive a copy of the Maryland Cancer Collaborative's Guide to Cancer Survivorship Care and Resources for Cancer Patients.

#### Objective 2

By 2020, increase the proportion of cancer survivors who report that their pain is currently under control to 76.3%. (2013 baseline 69.4%)

Target Setting Method: 10% Increase Source: BRFSS

#### Strategies

- Improve the assessment and treatment of pain and other symptom management by including pain assessments at each follow-up visit.
- Increase clinician education and awareness of pain management and assessment by providing seminars, grand rounds, and other opportunities for education at cancer centers.
- Collaborate with pharmacies and policymakers to ensure that pain medicine is adequately stocked in all communities.
- Ensure that pain medicine coverage policies are easily accessible to patients considering health plans available through the MHBE.

## Are we on target for increasing the quality of life of cancer survivors?



#### Cancer Survivorship, Palliative Care, and Hospice Care Goals, Objectives, and Strategies INCREASE THE QUALITY OF LIFE OF CANCER SURVIVORS IN MARYLAND

#### Objective 3

By 2020, increase the proportion of cancer survivors who report receiving a written summary of all cancer treatments received and written instructions about where to return or whom to see for routine cancer check-ups after completing treatment to 50.2%. (2013 baseline 45.6%)

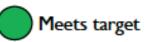
Target Setting Method: 10% Increase Source: BRFSS

#### Strategies

- Promote the use of survivorship care plans in standard practice by healthcare providers.
- Increase awareness about care plans, including the Institute of Medicine recommended elements, among healthcare providers and cancer survivors.
- Promote systems changes to integrate survivor care plans into systems of care (e.g. using electronic medical records to populate care plans).

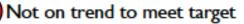
MARYLAND COMPREHENSIVE CANCER CONTROL PLAN
78 Section Three



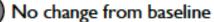


#### On trend to meet target









#### GOAL I. INCREASE THE QUALITY OF LIFE OF CANCER SURVIVORS IN MARYLAND.

	Baseline	Target	Update	Trend
<b>Objective I.</b> By 2020, increase the proportion of cancer survivors who report that during the past 30 days, poor physical or mental health did not keep them from doing usual activities on any days to 76.3%.	69.4% 2013 MD BRFSS	76.3%	68.5% 2015 MD BRFSS	
<b>Objective 2.</b> By 2020, increase the proportion of cancer survivors who report that their pain is currently under control to 76.3%.	69.5%* 2013 MD BRFSS	76.3%	78.4% 2015 MD BRFSS	
<b>Objective 3.</b> By 2020, increase the proportion of cancer survivors who report receiving a written summary of all cancer treatments received and written instructions about where to return or whom to see for routine cancer check-ups after completing treatment to 50.2%.	45.0%** 2013 MD BRFSS	50.2%	35.3% 2015 MD BRFSS	

\* Percentage (69.4%) was incorrect in the Cancer Plan due to minor errors with data analysis. It has been corrected (69.5%).

\*\* Percentage (45.6%) was incorrect in the Cancer Plan due to errors with data analysis. It has been corrected (45.0%).

2016 Progress Report on the Maryland Comprehensive Cancer Control Plan

### MCC Workgroups and Strategies: Implementation to Achieve Cancer Plan Targets

- **HPV Vaccination Workgroup:** The strategy is to implement systems changes within healthcare practices to:
  - Check teenage patients' vaccination status and offer all indicated vaccines at each visit;
  - Schedule the next HPV vaccination dose before the end of the current appointment; and,
  - Utilize reminder and recall strategies.
- Hospice Utilization Data Workgroup: The strategy is to create partnerships to develop and implement a plan to collect cancer patient hospice utilization data.
- **Tobacco Cessation Workgroup:** The strategy is to educate Maryland hospitals about the importance of and encourage adoption of policies to provide inpatient counseling and treatment for patients who use tobacco.

### Are we on target for cancer prevention behaviors?

#### GOAL 1 Primary Prevention Goals, Objectives, and Strategies INCREASE CANCER PREVENTION BEHAVIORS IN MARYLAND

Strategles

#### Objective 1 – Tobacco Use and Exposure

By 2020, reduce the prevalence of current cigarette smoking among adults to 15.6%.\* (2013 baseline 16.4%)

Target Setting Method: 5% reduction per goals of DHMH CTPC Source: BRFSS

\*Targets for other tobacco products are not included because the prevalence of use among adults is very low.

- Support and implement CDC-recommended evidence-based interventions that reduce tobacco use and increase the demand for tobacco cessation, including:
  - Explore an increase in the price of tobacco products;
  - Enact comprehensive smoke-free policies;
  - Fund mass-media campaigns; and
  - Make cessation services fully accessible to tobacco users.
- Implement the ten recommendations from the U.S. Department of Health and Human Services Public Health Service Clinical Practice Guidelines on Treating Tobacco Use and Dependence, including but not limited to:
  - Identify and document tobacco use status and treat every tobacco user;
  - Offer individual, group, and/or telephone counseling;
  - Encourage use of effective medications;
  - Encourage all individuals making a quit attempt to use both counseling and medication; and
- Promote use of the Maryland Tobacco Quitline.
- Educate the public about the availability of and promote the use of comprehensive tobacco cessation services. Educate payers about the availability of and encourage referrals to cessation services.
- Educate Maryland hospitals about the importance of and encourage adoption of policies to provide inpatient counseling and treatment for patients who use tobacco.
- Educate Maryland college and university administrators about the importance of and encourage adoption of policies to ensure that campuses are tobacco-free at all times, and that tobacco use by youth and adults is prohibited while they are engaged in all school-related activities.

Primary Prevention Goals, Objectives, and Strategies INCREASE CANCER PREVENTION BEHAVIORS IN MARYLAND

#### Objective 10 – Cancer Vaccines

#### By 2020, increase coverage rates for Strategies

HPV vaccine to reach the following targets\*: Girls age 13-17 that have

GOAL

- received one dose to 80% (2013 baseline 50%)
- Girls age 13-17 that have received three doses to 80% (2013 baseline 33.4%)
- Boys age 13-17 that have received one dose to 80% (2013 baseline 34.2%)
- Target Setting Method: HP 2020 Targets

\*Baseline data and HP 2020 target for boys age 13-17 that have received three doses are not available at the time of publication

- Increase awareness of HPV infection as a cancer risk factor among Maryland residents.
- Educate healthcare providers on the importance of making a strong and timely HPV vaccination recommendation, with a focus on cancer prevention.
- Encourage cancer experts and leaders to provide peer education to immunization providers about cancer prevention and the role of HPV vaccine.
- Educate parents and/or guardians about the availability and importance of HPV vaccination for adolescent girls and boys, with a focus on cancer prevention.
- Implement systems changes within healthcare practices to:
- Check teenage patients' vaccination status and offer all indicated vaccines at each visit;
- Schedule the next HPV vaccination dose before the end of the current appointment; and
- Utilize reminder and recall strategies.

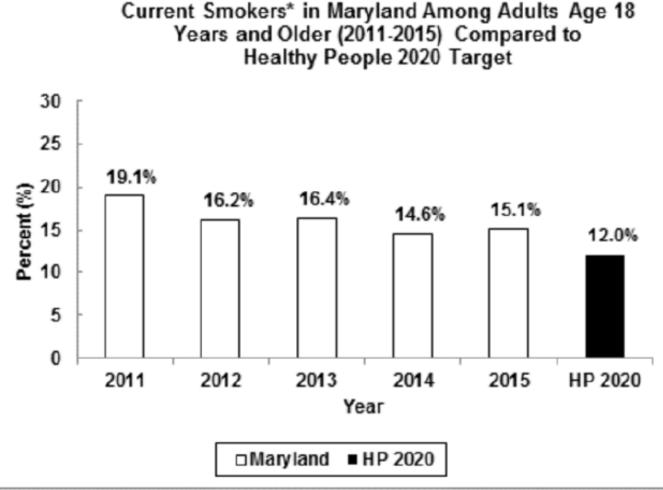
MARYLAND COMPREHENSIVE CANCER CONTROL PLAN Section One 35

MARYLAND COMPREHENSIVE CANCER CONTROL PLAN
40 Section One

### GOAL I. INCREASE CANCER PREVENTION BEHAVIORS IN MARYLAND.

	Baseline	Target	Update	Trend
<b>Objective 1.</b> By 2020, reduce the prevalence of current cigarette smoking among adults to 15.6%.	<b>I 6.4%</b> 2013 MD BRFSS Behavioral Risk Fe	<b>15.6%</b> actor Surveillanc	I5.1% 2015 MD BRFSS e System	
<b>Objective 2.</b> By 2020, reduce the prevalence of tobacco use among high school youth as measured by YTRBS to reach the following targets:				
Cigarette use: 11.3%	11.9%	11.3%	8.7%	
Cigar use: 8%	12.5%	8.0%	10.3%	$\bigcirc$
Smokeless tobacco use (chewing tobacco or snuff): 6.9%	7.4%	6.9%	5.8%	
Any type of tobacco (cigarettes, cigars, or smoke- less tobacco): 16.1%	16.9%	16.1%	16. <del>4</del> %	
	2013 YTRBS	nd Risk Behavior Sui	2014 YTRBS	

### We have had major success in adult smoking cessation in Maryland, but need to keep going!



Maryland Department of Health, 2017 Cancer Data

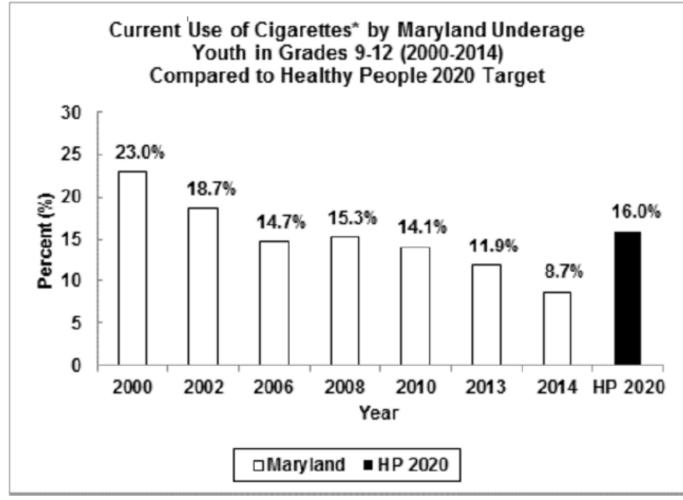
\* Current smoker is defined as a person who smokes cigarettes every day or some days.

Source: Maryland BRFSS, 2011-2015

Healthy People 2020, U.S. Department of Health and Human Services

### Amazing declines in youth cigarette smoking in Maryland.

Need to keep on it so the prevalence doesn't rise again.



Maryland Department of Health, 2017 Cancer Data \* Current use of cigarettes is defined as smoking cigarettes on 1 or more days

Current use of cigarettes is defined as smoking cigarettes on 1 or more days in the previous 30 days.

Source: Maryland Youth Tobacco Survey (2000, 2002, 2006, 2008, 2010) Maryland Youth Tobacco and Risk Behavior Survey (2013, 2014) Healthy People 2020, U.S. Department of Health and Human Services

# We are going in the right direction for uptake of HPV vaccination, but we have long way to go!

### GOAL I. INCREASE CANCER PREVENTION BEHAVIORS IN MARYLAND (continued).

Baseline	Target	Update	Trend
50.0%	80.0%	57.9%	$\bigcirc$
33.4%	80.0%	39.4%	$\bigcirc$
34.2%	80.0%	46.9%	$\bigcirc$
2013 NIS		2014 NIS	
	33.4% 34.2%	50.0%       80.0%         33.4%       80.0%         34.2%       80.0%	50.0%         80.0%         57.9%           33.4%         80.0%         39.4%           34.2%         80.0%         46.9%

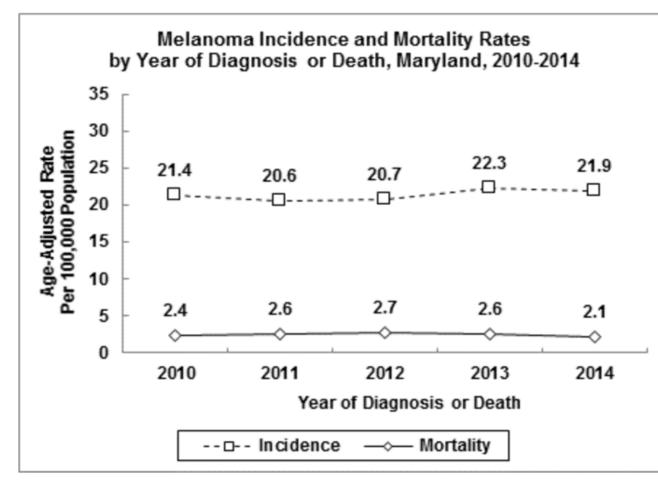
2016 Progress Report on the Maryland Comprehensive Cancer Control Plan



 We continue to make progress toward achieving the goals Maryland Comprehensive Cancer Control Plan – reducing the burden of cancer – but more work is needed.

## • What about cancers with rising rates?

## **Melanoma Incidence and Mortality Rates**



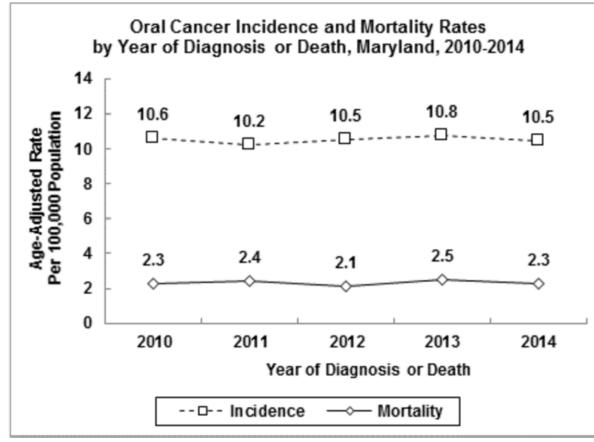
- 5-year, melanoma incidence rate, **2010 to 2014**:
- MD ↑ 1.3% per year
- 5-year, melanoma mortality rate, **2010 to 2014**:

• MD - 
$$\downarrow 2.6\%$$
 per year

Source: Maryland Cancer Registry NCHS Compressed Mortality File in CDC WONDER, 2012-2014 Maryland Vital Statistics Administration from MATCH, 2010 Maryland Vital Statistics Administration, 2011

Maryland Department of Health, 2017 Cancer Data

## **Oral Cancer Incidence and Mortality Rates**



Source: Maryland Cancer Registry NCHS Compressed Mortality File in CDC WONDER, 2012-2014 Maryland Vital Statistics Administration from MATCH, 2010 Maryland Vital Statistics Administration, 2011

### Maryland Department of Health, 2017 Cancer Data

- 5-year, oral cancer incidence rate, **2010 to 2014**:
- MD  $\uparrow$  0.4% per year
- 5-year, oral cancer mortality rate, **2010 to 2014**:
- MD  $\uparrow$  0.4% per year

## Cancers with Rising Rates in Maryland, Potential Etiologies, and Interventions

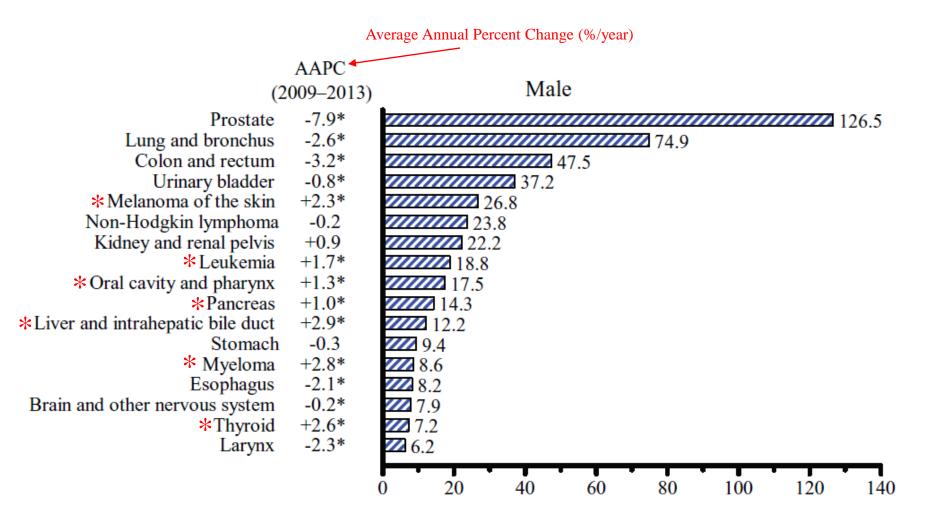
Meredith S. Shiels, Ph.D.

Infections and Immunoepidemiology Branch Division of Cancer Epidemiology and Genetics National Cancer Institute

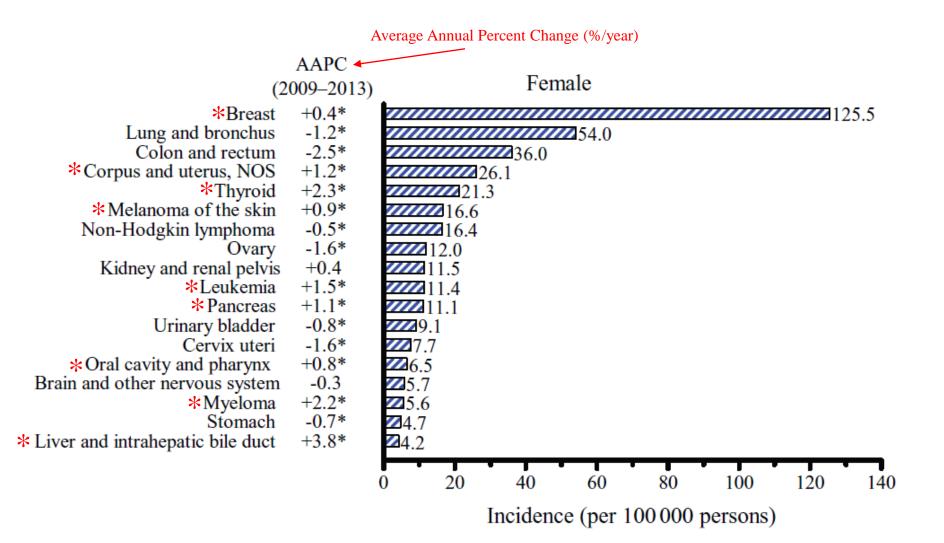


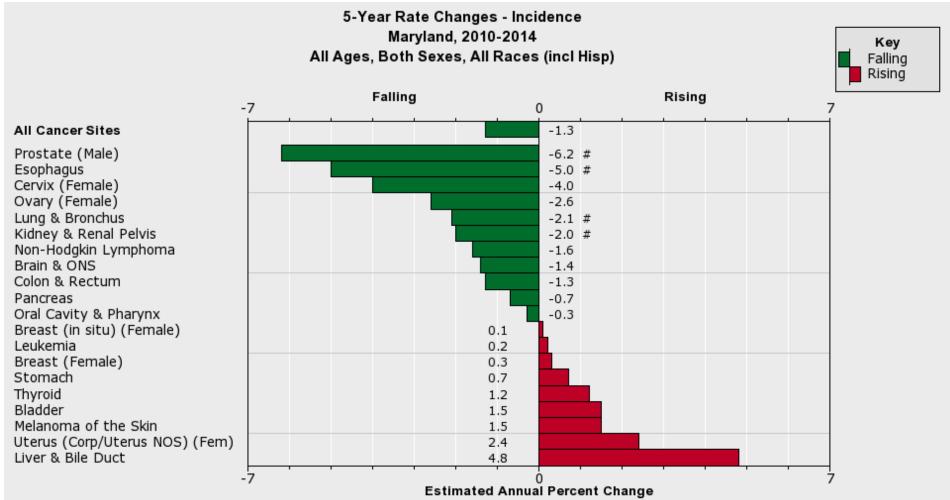
September 26, 2017

#### Age-standardized Rates and Recent Trends in Men



#### Age-standardized Rates and Recent Trends in Women



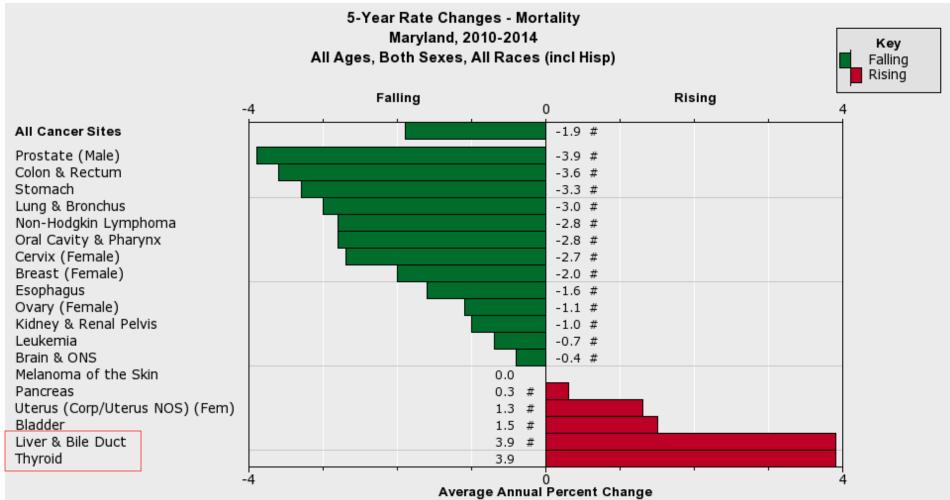


Created by statecancerprofiles.cancer.gov on 09/22/2017 1:01 pm.

Source: Incidence data provided by the <u>National Program of Cancer Registries (NPCR)</u>. EAPCs calculated by the National Cancer Institute using <u>SEER\*Stat</u>. Rates are age-adjusted to the <u>2000 US standard population</u> (19 age groups: <1, 1-4, 5-9, ..., 80-84,85+). Rates are for invasive cancer only (except for bladder cancer which is invasive and in situ) or unless otherwise specified. Population counts for denominators are based on Census populations as modified by NCI. The <u>1969-2015 US</u> Population Data File is used with NPCR November 2016 data.

Please note that the data comes from different sources. Due to <u>different years</u> of data availability, most of the trends are AAPCs based on APCs but some are EAPCs calculated in <u>SEER\*Stat</u>. Please refer to the source for each graph for additional information.

# - The annual percent change is significantly different from zero (p<0.05).



Created by statecancerprofiles.cancer.gov on 09/22/2017 1:01 pm.

Source: Death data provided by the <u>National Vital Statistics System</u> public use data file. Death rates calculated by the National Cancer Institute using <u>SEER\*Stat</u>. Death rates (deaths per 100,000 population per year) are age-adjusted to the <u>2000 US standard population</u> (19 age groups: <1, 1-4, 5-9, ..., 80-84, 85+). Population counts for denominators are based on Census populations as <u>modified</u> by NCI. The <u>1969-2015 US Population Data</u> File is used with mortality data. Please note that the data comes from different sources. Due to <u>different years</u> of data availability, most of the trends are AAPCs based on APCs but some are EAPCs calculated in <u>SEER\*Stat</u>. Please refer to the source for each graph for additional information.

# - The annual percent change is significantly different from zero (p<0.05).

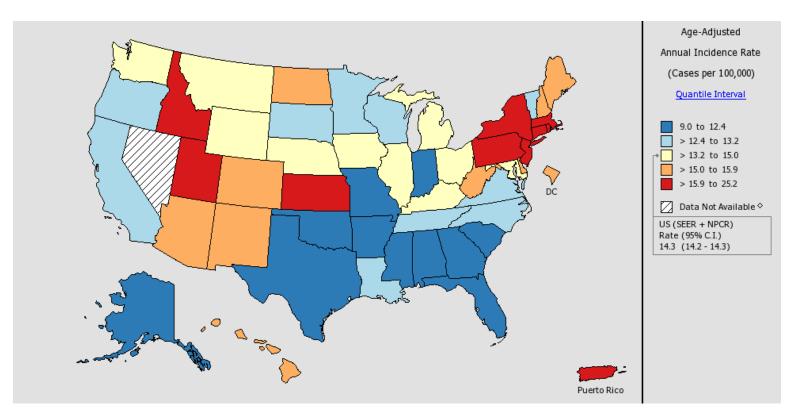
## Thyroid Cancer



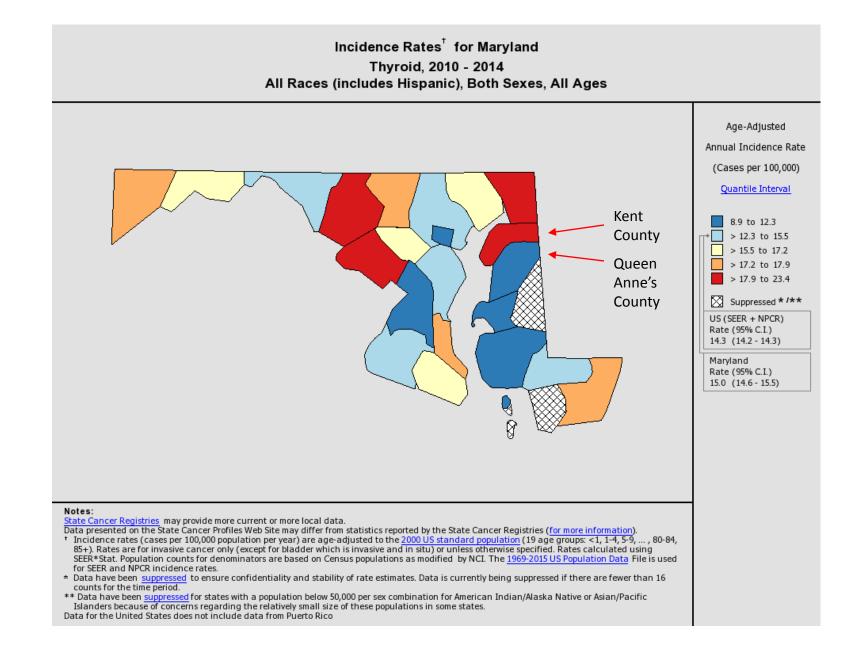
## Maryland Statistics



### Thyroid Cancer Rates by State, 2010-2014



US ASR = 14.3/100,000 MD ASR = 15.0/100,000 Ranking = 20



# **Risk Factors**



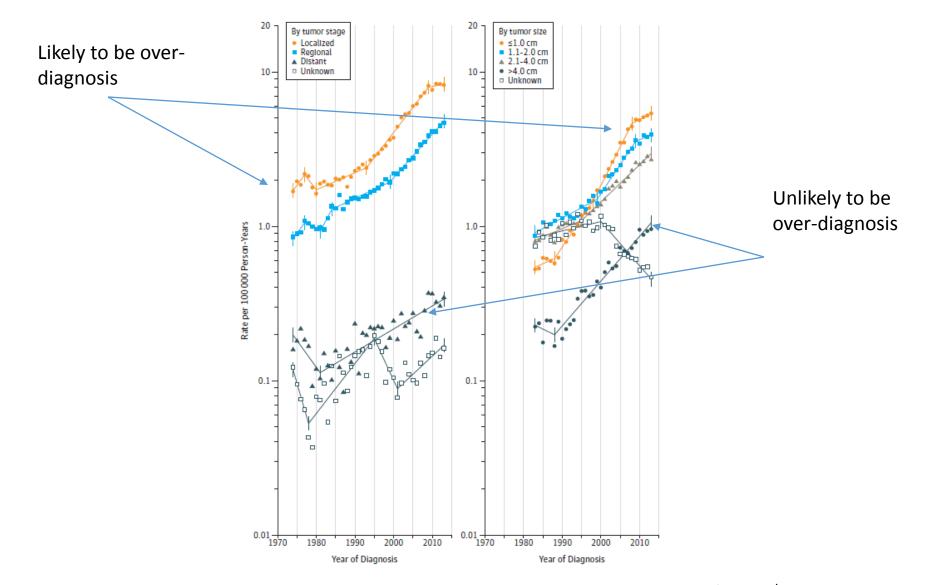
Risk Factors for Thyroid Cancer – Could these Explain Rising Rates?

- Age and sex (female predominance)
- Hereditary conditions
- Family history
- Diet low in iodine (Americans are generally not iodine-deficient)
- Radiation
  - Treatment for childhood cancers
  - Radioactive fallout
  - Radiation from imaging x-rays and CT scans (unclear risk)

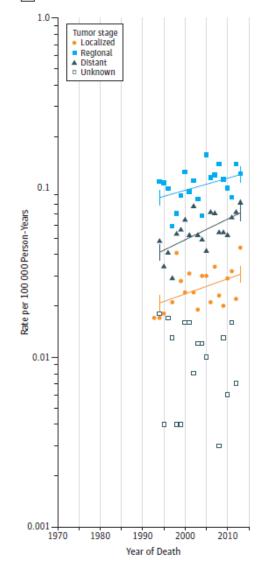
Major Consideration – Increased Detection

- Overdiagnosis: Increased incidental detection may have increased diagnosis of small, indolent tumors that would have never been clinically-detected
  - Increasing use of diagnostic ultrasound and other imaging modality
  - Increase biopsy with fine-needle aspiration
  - incidental detection and diagnosis of mostly localized, small (<2 cm) cancers</li>

### Over-detection – the sole explanation for rising rates?



### Papillary Thyroid Cancer Mortality Rates are Also Increasing



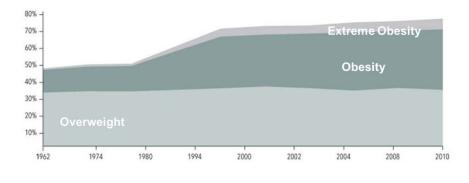
#### B Papillary thyroid cancer incidence-based mortality

NIH NATIONAL CANCER INSTITUTE

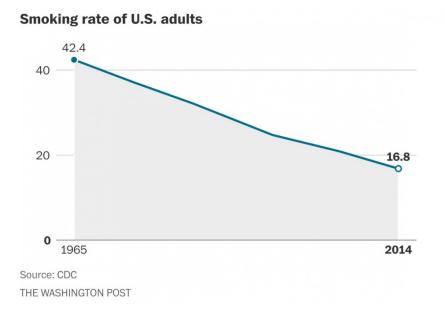
Lim et al., JAMA 2017

Other Risk Factors and Thyroid Cancer Risk

 Height and adiposity associated with increased thyroid cancer risk in pooled study of 22 cohorts.



• Current smokers have 40% lower risk of thyroid cancer.



## Prevention

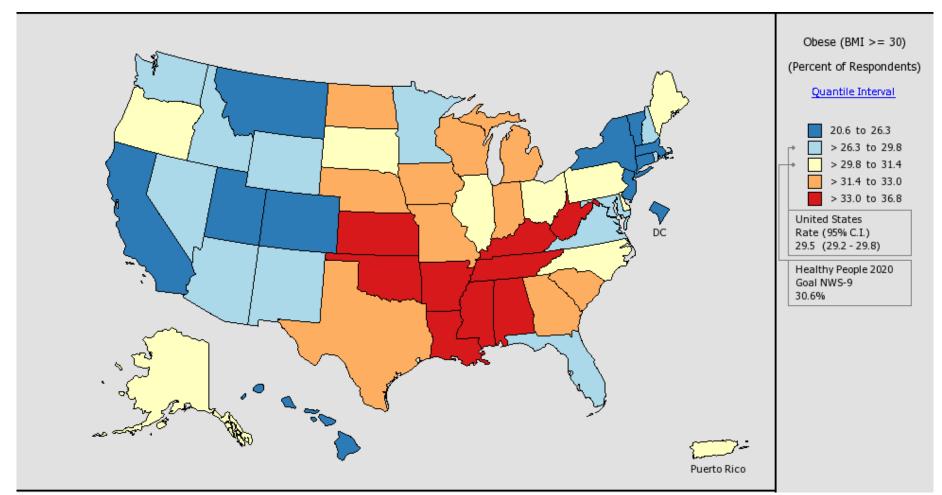


How can thyroid cancer be prevented?

- Few modifiable risk factors
- Unnecessary medical radiation in children should be avoided.
- Maintaining a healthy body weight

### Adult Obesity Prevalence by State

MD: 29.8% (roughly the US average)



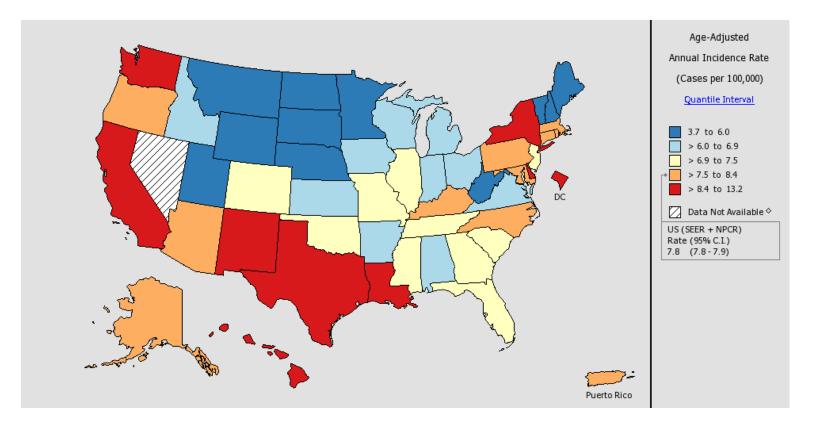
## Liver Cancer



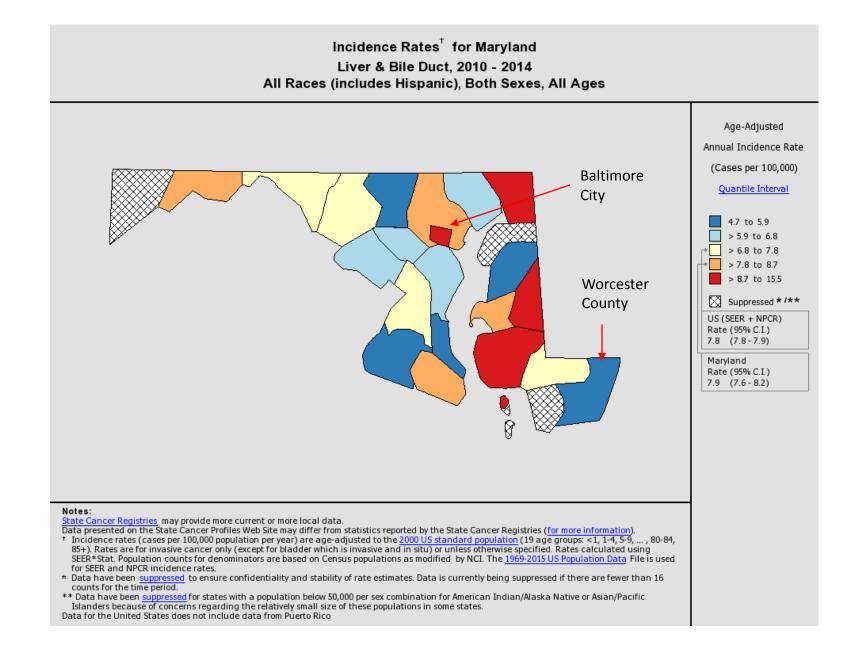
# Maryland Statistics



### Liver Cancer Rates by State, 2010-2014



US ASR = 7.8/100,000 MD ASR = 7.9/100,000 Ranking = 13



# **Risk Factors**

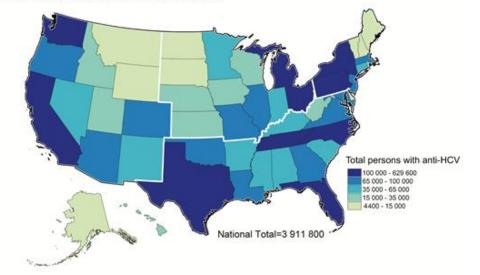


Risk Factors for Liver Cancer – Could these Explain Rising Rates?

- Chronic hepatitis C virus
- Chronic hepatitis B virus
- Cirrhosis
  - Alcohol-related
  - Obesity-related (non-alcoholic fatty liver disease)
  - Primary biliary cirrhosis
  - Inherited metabolic diseases
- Tobacco use
- Aflatoxins
- Arsenic
- Anabolic steroids

### State-specific HCV prevalence

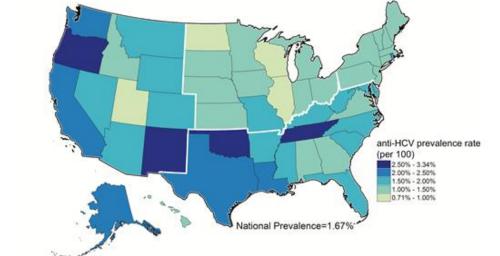
A. Estimated Total Persons with anti-HCV



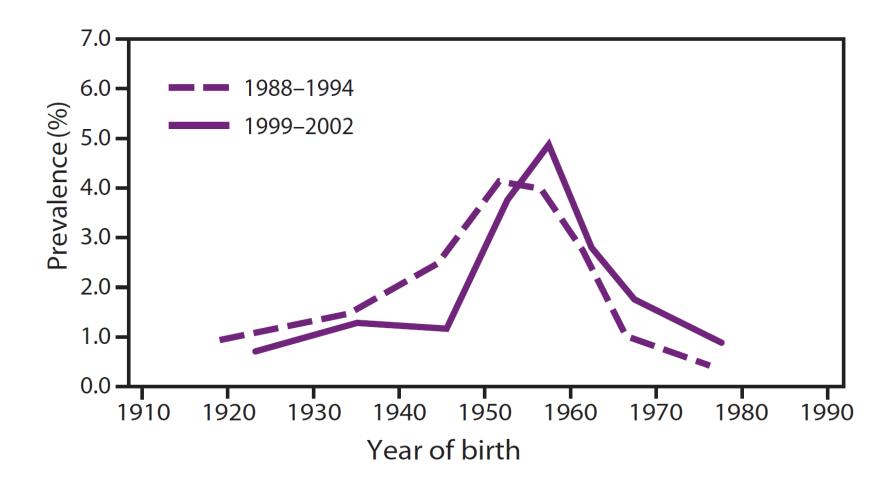
# MD Estimates: 82,000 people (1.86%) living with HCV infection

National average: 1.67%

**B. Estimated anti-HCV Prevalence Rate** 



### HCV prevalence by year of birth, NHANES



Time trends in Liver Cancer Risk Factors

- National Health and Nutrition Examination Survey
  - 1988-1994: 0.4%
  - 1999-2006: 0.3%
  - 2007-2012: 0.3%
- Incidence of acute HBV infection decreasing
- Prevalence of NAFLD in the U.S. has risen from 18% in 1988–1991 to 31% in 2011–2012
- Prevalence of alcohol-related liver disease is flat.

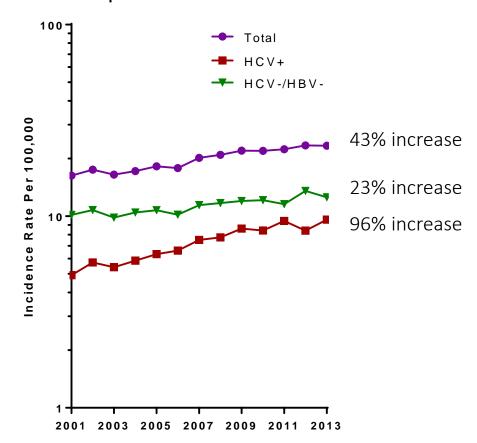
Risk Factors for Liver Cancer – Could these Explain Rising Rates?

### • Chronic hepatitis C virus

- Chronic hepatitis B virus
- Cirrhosis
  - Alcohol-related
  - Obesity-related (non-alcoholic fatty liver disease)
  - Primary biliary cirrhosis
  - Inherited metabolic diseases
- Tobacco use
- Aflatoxins
- Arsenic
- Anabolic steroids

Is the rising HCV prevalence driving increasing trends?

- Analysis of SEER-Medicare data
- 2001-2013, ages 66+
- Estimated rates of overall and HCV-related hepatocellular carcinoma



#### Hepatocellular Carcinoma

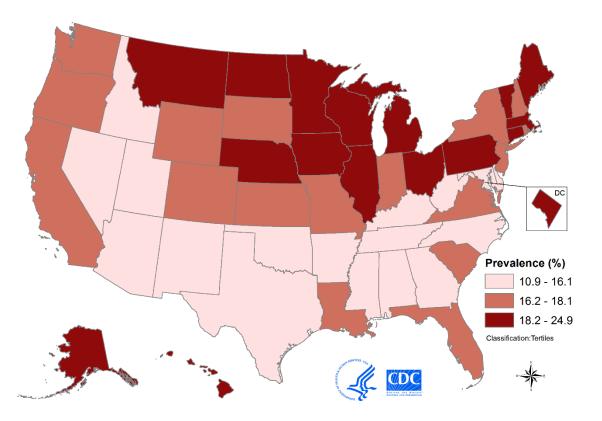
## Prevention



### Liver Cancer Prevention

### • Limiting alcohol and tobacco use

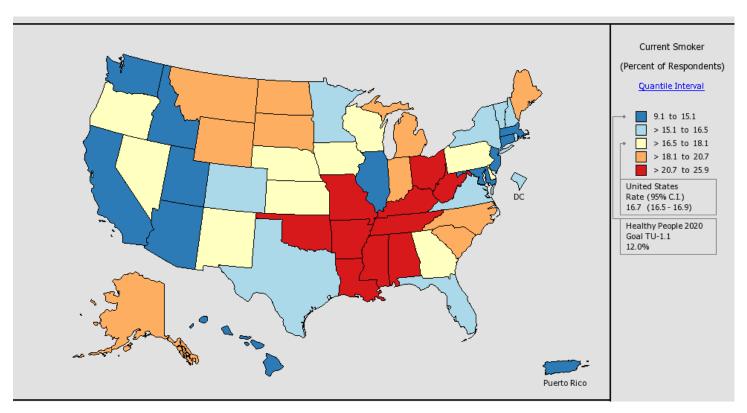
MD: 14.7% binge drinking in adults



### Liver Cancer Prevention

### • Limiting alcohol and tobacco use

MD: 15.1% Current smokers



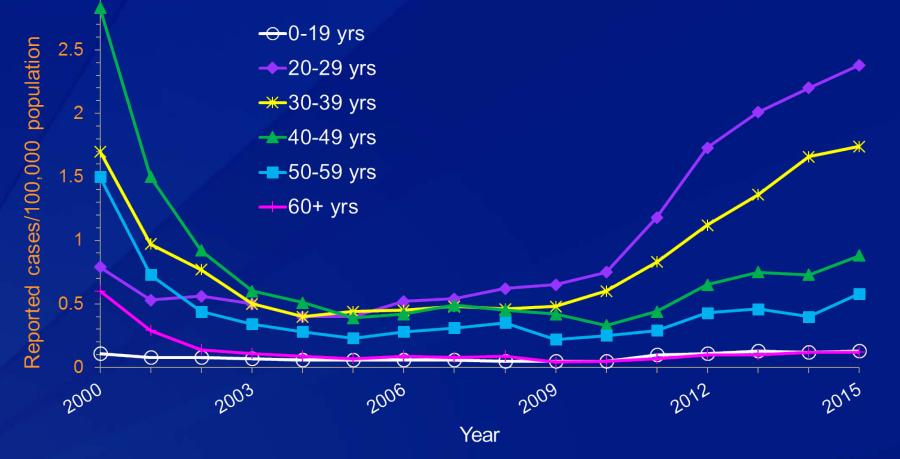
### Liver Cancer Prevention

- Maintaining a healthy weight
  - Reduces risk of diabetes and non-alcoholic fatty liver disease
  - General health benefits

Avoiding, Preventing and Treating Hepatitis Infections

- Routes of transmission
  - Hepatitis B (child birth, sexual intercourse, needle sharing)
  - Hepatitis C (injection drug use, receipt of infected blood products, child birth)
- Prevention
  - Hepatitis B vaccination introduced 1980s
  - Hepatitis C no vaccine, interventions focused on injection drug users
- Treatment
  - Hepatitis B treatment available suppress viral replication, reduce liver damage
  - Hepatitis C curative, highly effective drugs introduced in 2011

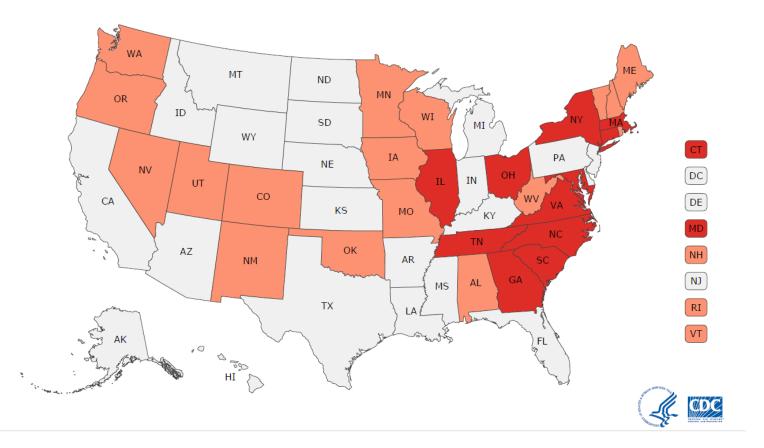
# Figure 4.2. Incidence of acute hepatitis C, by age group — United States, 2000–2015





### Opioid epidemic may be increasing HCV incidence

Change in heroin-related deaths by state, 2014 to 2015



### Conclusions

- In MD, liver and thyroid cancer incidence and mortality rates have trended upwards in recent years.
- These two cancers have very different risk profiles
  - Overdiagnosis vs. modifiable risk factors
- Making progress against obesity may reduce risk of both cancers
- Prevention, early diagnosis and treatment of HBV and HCV infection may also reduce risk of liver cancer.

# Cancers with Rising Rates in Maryland, Potential Etiologies, and Interventions

Meredith S. Shiels, Ph.D.

Infections and Immunoepidemiology Branch Division of Cancer Epidemiology and Genetics National Cancer Institute



September 26, 2017

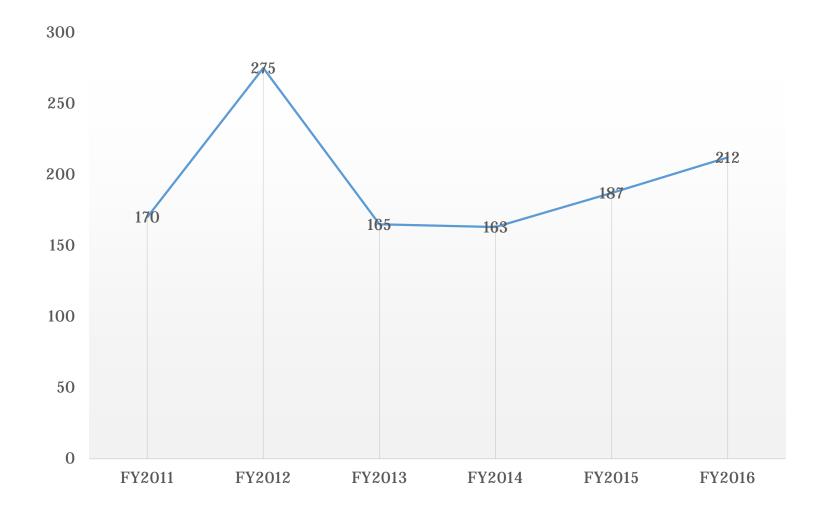


# MCC Accomplishments 2011-2016

Brian Mattingly Director, MCCCP September 26, 2017



# **MCC Membership Over the Years**





- MCC Members are:
- From across the state of Maryland (DC Metro, Baltimore Metro, Western Maryland, Southern Maryland, Eastern Shore, Eastern Maryland)

Garrett

- From many different organizations (federal/state/local health department, hospital/medical institution/healthcare, foundation/nonprofit, academic institution, network/coalition/society, and businesses)
- Advocates, analysts, biostatisticians, CEOs, coordinators, directors, doctors, educators, epidemiologists, executive directors, fellows, health advisors, interns, lawyers, managers, navigators, nurses, nutritionists, patients, professors, program administrators, researchers, social workers, and students



Harford

Carroll





MCC members came together beginning in 2011 to implement the 2011-2015 Maryland Comprehensive Cancer Control Plan.

#### **MCC Committees and Workgroups**

- Cancer Disparities Committee

   Patient Navigation Workgroup
   Early Detection and Treatment Committee
- Early Detection and Treatment Committee -Patient Navigation Workgroup
  - Evaluation Committee
- Policy Committee

   Tobacco Workgroup
- Primary Prevention Committee
- Survivorship Committee

   Survivorship Workgroup
   Palliative Workgroup

> 100 meetings
 and countless #
 of email
 exchanges



# **Workgroup Product**

#### **Maryland Patient Navigation Network** (2012)

The Maryland Patient Navigation Network (PNN) was formed in 2012 as a result of the MCC Patient Navigation Workgroup's work. The workgroup identified a gap in the ability of those working in patient navigation in Maryland to connect with others in the field to share resources and best practices. To address this gap, DHMH formed the PNN with feedback from members of the Patient Navigation Workgroup, which also initially served as a PNN speakers' bureau. The PNN has evolved to a network of over 200 members, and hosts an annual conference as well as several webinars for members in addition to hosting a Facebook page to facilitate networking: www.Facebook.com/MDPNN.

# **Workgroup Product**

#### **Guide to Cancer Survivorship Care and Resources for Cancer Patients** (2014)

The Survivorship Workgroup created a guide to cancer survivorship care as well as accompanying resource directories. The guide outlines many issues that may impact a patient throughout the cancer survivorship journey and is divided into three phases: Treatment Planning, Active Treatment, and Post Treatment. Each phase links to a comprehensive list of Maryland resources for patients. The guide was posted on the MDH website and shared via social media, professional association meetings (patient navigators and oncology social workers), and local health departments. The guide is available online: <a href="http://phpa.dhmh.maryland.gov/cancer/cancerplan/Pages/SurvivorshipGuide\_Pages/SurvivorshipGuide">http://phpa.dhmh.maryland.gov/cancer/cancerplan/Pages/SurvivorshipGuide\_Pages/SurvivorshipGu

atientResources.aspx

### **Workgroup Products**

#### **Palliative Care Survey** (2014/2015)

The Palliative Care Workgroup surveyed Maryland hospitals on palliative care programs and services offered to identify gaps, barriers, and needs. Significant findings include lack of physician buy-in and patient knowledge as major barriers, and networking/best practice sharing opportunities as a useful support for palliative care professionals. The findings were published in the Journal of Pain and Symptom Management in June 2015 and are available online: <a href="http://www.sciencedirect.com/science/article/pii/S0885392415000391#">http://www.sciencedirect.com/science/article/pii/S0885392415000391#</a>.

### **Workgroup Product**

- Palliative Care Awareness (2016)
- The Palliative Care Workgroup developed a palliative care education/resource sheet for primary care providers including information about palliative care, how to find palliative care, and continuing education in palliative care. The information is also appropriate for providers to share with patients. The resource sheet was posted on the DHMH website and shared with several healthcare provider professional associations in the state to distribute to their member networks via newsletters and other communications. The resource sheet is available online: <u>http://phpa.dhmh.maryland.gov/cancer/cancerplan/Pages/Palliative-</u>

**Care-Resources.aspx**.

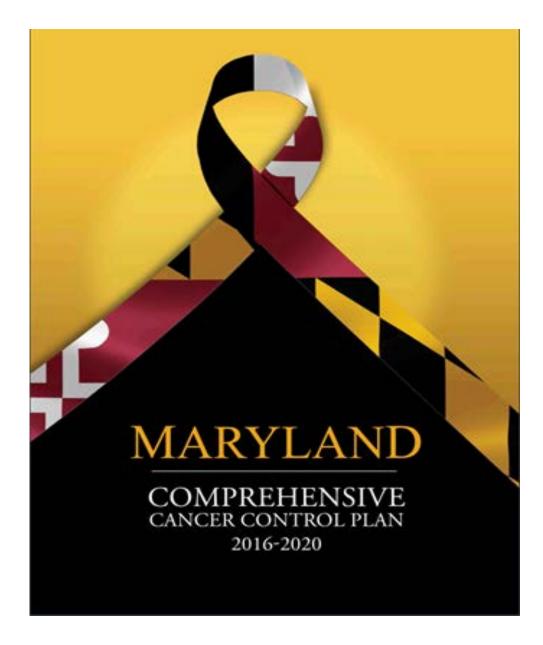
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# **Workgroup Product**

Survey of Maryland College and University Tobacco Policies (2016) The Tobacco Workgroup surveyed Maryland colleges and universities to collect data about campus tobacco policies, enforcement, and cessation services and resources available. Significant findings include: more than half of the respondents reported a 100% tobaccofree policy; 2-year community college respondents are exceeding state law requirements for smoking policies; and, most respondents offer cessation services but do not offer nicotine replacement therapies. Tracking student and faculty/staff quit rates may provide data to help campuses focus cessation efforts and maximize resources. The findings have been summarized in a report that is available online, as well as best practices: http://phpa.dhmh.maryland.gov/cancer/cancerplan/Pages/mcc-tobaccoworkgroup.aspx.

• Over the years, MCC members share their cancer projects, which contributes to the success of the annual <u>Progress Report on the Maryland Comprehensive Cancer Control Plan</u>.





2015-2016, MCC members and partners came together and updated the Maryland Comprehensive Cancer Control Plan

- New priorities/workgroups 2017-2018
- Tobacco Cessation
- HPV Vaccination
- Access to Care/Resources
- Hospice Utilization Data
- Communication

In 2016, MCC members came together to pick new priorities from the updated Cancer Plan and formed new workgroups Thank you so much for your contributions to the successes of the MCC!



#### **MCC Implementation Awards**

Elizabeth A. Platz, ScD, MPH Chair, Maryland Cancer Collaborative September 26, 2017



### **Implementation Awards**

• The award is given in recognition of an organization who exemplifies the use of the Cancer Plan goals and objectives to reduce the burden of cancer in Maryland.

#### **Categories:**

- Collaboration
- Policy/Environmental Change
- Systems Change

# **Exemplary Collaboration Award**

• This award is given to members who have collaborated between two or more organizations or institutions

#### **Congratulations!**

University of Maryland, Upper Chesapeake Health Kaufman Cancer Center

<u>Project:</u> HPV Community Outreach Education: HPV Cancer Prevention Vaccination

### **Innovative Policy or Environmental Change Award**

• This award is given to a member contributing to a policy or environmental change to encourage healthy behavior among the population targeted

#### **Congratulations!**

Calvert County Health Department <u>Project:</u> Calvert County Fair Smoke Free Youth Day

### **Innovative Systems Award**

• This award is given to a member who contributed to a change in organization processes or procedures intended to improve services delivered and/or health outcomes

#### **Congratulations!**

MedStar North Integrated Cancer Network <u>Project:</u> Smoking Cessation Program



# **MCC Workgroup Updates**

September 26, 2017



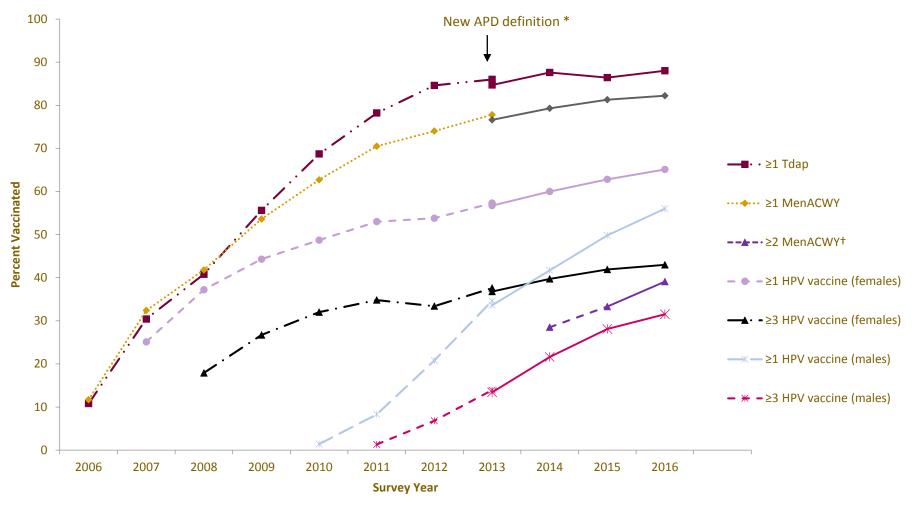


# HPV Workgroup

**September 26, 2017** 



#### **Estimated Vaccination Coverage among Adolescents Aged** 13-17 Years, NIS-Teen, United States, 2006-2016



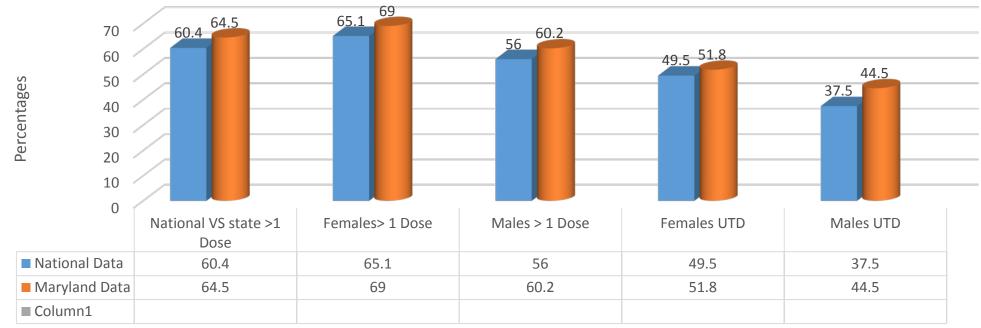


\* APD = Adequate provider data

<sup>†</sup>≥2 doses MenACWY among adolescents aged 17 years

#### National Immunization Survey - Teen United States 2016

Includes Nine Valent, Quadrivalent and Bivalent HPV vaccine

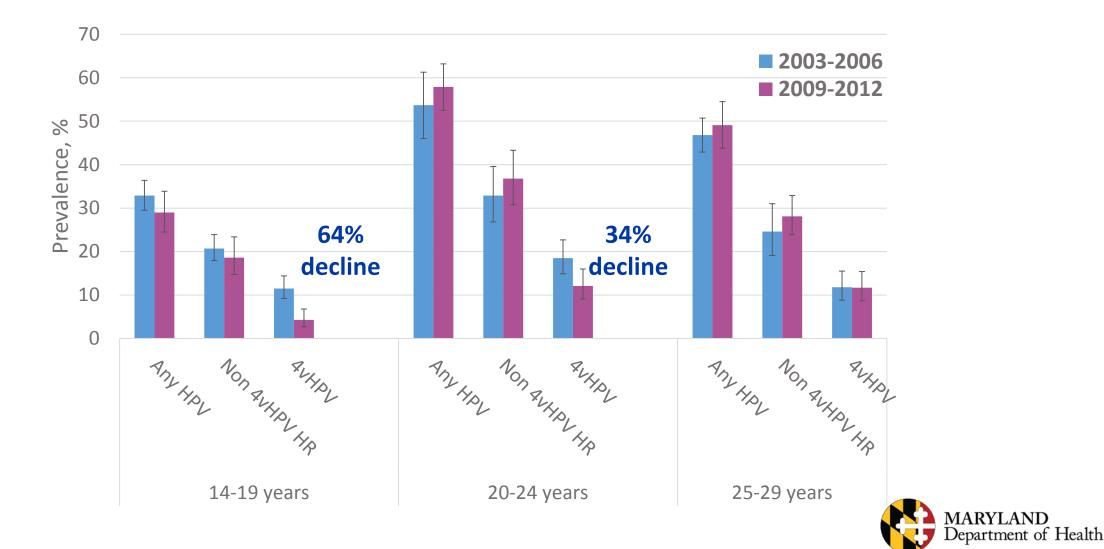


Comparing National vs Maryland Statistics

■ National Data ■ Maryland Data



# **Prevalence of HPV before & after introduction of HPV vaccination in the United States**



### **CDC Suggestions to Help Improve Adolescent HPV Vaccination Rates**

- Provide clear recommendations<sup>1</sup>
- Follow the CDC recommendations to routinely vaccinate 11- or 12-year-old males and females<sup>2</sup>
- Consider **appropriate opportunities** to vaccinate<sup>1</sup>
  - eg, well-child visits, sports physicals
- Make use of **reminder systems** to help ensure series completion<sup>1</sup>
- BUNDLING OF HPV Vaccine/Meningococcal/Tdap Vaccines -NORMALIZE Vaccination



**References: 1.** Centers for Disease Control and Prevention (CDC). *Epidemiology and Prevention of Vaccine-Preventable Diseases*. 13th ed. Chapter 3: Immunization Strategies. cdc.gov/vaccines/pubs/pinkbook/downloads/strat.pdf. Accessed August 3, 2016. **2.** CDC. *MMWR Recomm Rep.* 2015;64(11):300–304

### **HPV Workgroup Members**

#### Ahmed Elmi – Chair Dr. Niharika Khanna – Co-Chair

20 members





# **Priority Strategy**

Implement system changes within healthcare practices to:

- Check pre-teen and teenage patients' vaccination status and offer all indicated vaccines at each visit;
- Schedule the next HPV vaccination dose before the end of the current appointment; and,
- Utilize reminder and recall strategies.





# **Workgroup Activities**

- HPV Vaccine Uptake Project at a Pediatric Office
- "Catch-Up" Project at a University
- Engage in opportunities to promote HPV Vaccination to family physicians, pediatricians and other healthcare professionals





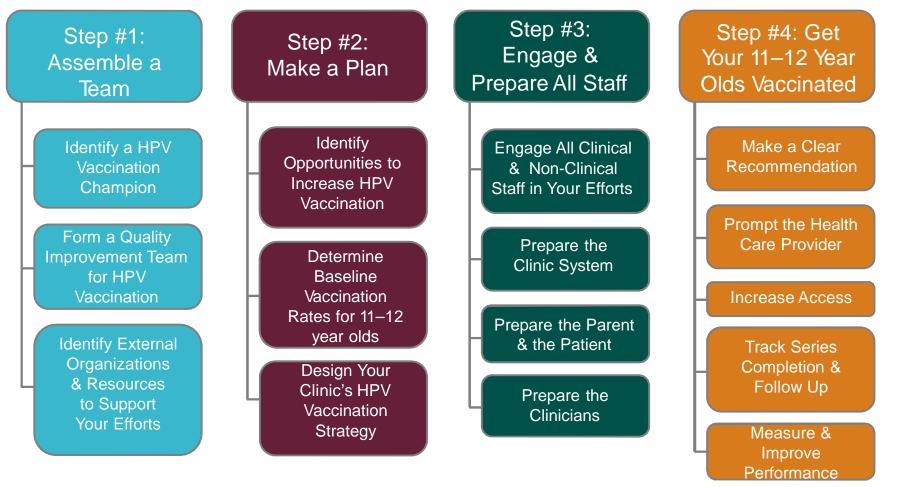
#### Uptake Project at a Family Physician Office

- Exploring opportunity with University of Maryland Family Medicine
- Support practice with:
  - Training
  - Quality Improvement
  - Technical Assistance
  - Tools and resources





#### American Cancer Society's Steps to Help Increase HPV Vaccination in Your Practice<sup>1</sup>



**Reference: 1.** American Cancer Society. Steps for Increasing HPV Vaccination. illinoisaap.org/wp-content/uploads/Steps-for-Increasing-HPV-Vaccination-in-Practice.pdf. Accessed March 28, 2016.



# **Catch Up Project**

- Support University Health Facilities to promote and provide HPV Vaccination to students who have not been previously vaccinated
- University of Maryland Graduate campus student health center
- University of Maryland at Baltimore County undergraduate Student health
- Support practice with:
  - Training
  - Quality Improvement
  - Technical Assistance
  - Tools and resources
  - Awareness campaign



### **Opportunities to Promote HPV Vaccine**

- Identify and participate in meetings and events to educate health care professionals about HPV and HPV vaccination.
- State Health Interdisciplinary Program
- Anne <u>Arundel</u> Pediatric Services Meeting
- Maryland Academy of Family Physicians Annual meeting in June 23<sup>rd</sup> 2017
- Maryland Academy of Family Physician HPV panel discussion with experts/MDH/survivors Oct 3<sup>rd</sup> 2017
- AOGIN India meeting



### **Successes**

- Dedicated Group
- Many opportunities to collaborate
- Strong support for activities
- Many stakeholders
- Many good tools and resources





- Risk of taking on too much
- Risk of duplicating efforts of others





# Thank You







### Maryland Cancer Collaborative: Hospice Utilization Data Workgroup Update

**Michelle Levin** 



Hospice Utilization Data Update

- Goal: Increase the quality of life of cancer survivors in Maryland
- Objective: By 2020, develop and implement a process to collect Maryland-level data on hospice utilization by cancer patients and average length of stay for cancer patients.
- Strategy: Create partnerships to develop and implement a plan to collect cancer patient hospice utilization data. Partners may include the Maryland BRFSS, Hospice and Palliative Care Network of Maryland, and the National Hospice and Palliative Care Organization, among others.
- Number of members: 15 (includes State of MD staff)
- Number of meetings: 4 thus far (Feb, April, June, Sept)

Hospice Utilization Data Workgroup Update

- Activity #1
- Activity: Brainstorm questions to determine data sources, timeliness, meaningfulness and accessibility of data
- Timeframe: February April 2017
- Members responsible: All members
- Measure progress by:Development of a list of questions to be answered by the workgroup
- Info/resources needed: To be determined by the workgroup; representation from Md Hospital Assn, IT

Hospice Utilization Data Workgroup Update

- Activity #2
- Activity: Research to determine what data is available, and answer the questions listed in Activity #1
- Timeframe: April September 2017
- Members responsible: Peggy Funk, Susanne Tameris, Michele Levin and all members
- Measure progress by: Compilation of answers to the list of questions developed
- Info/resources needed: Representation from MD Hospital Assn, more than one hospice

Hospice Utilization Data Workgroup Update

- Activity #3
- Activity: Review available data and concerns about it
- Timeframe: April September 2017
- Members responsible: Peggy Funk and all members
- Measure progress by: Creation of a list of resources found
- Info/resources needed: Representation from MD Hospital Assn, more than one hospice

- Activity #4
- Activity: Update list of questions subsequent to review of research and availability of new data
- Timeframe: September 2017
- Members responsible: All members
- Measure progress by: Compilation of answers and updated list of resources
- Info/resources needed: Representation from MD Hospital Assn, more than one hospice

#### • Questions to be answered:

- What data is available today? Is it accurate? Who has it?
- What data is not available today?
- What data is important/meaningful to collect?
- For whom is this data important/meaningful?
- How will we collect data to determine hospice utilization of cancer patients in Maryland?
- What are some potential challenges in collecting the data?
- Who will have access to this data?
- Read only vs edit right?
- Where will this data be stored?

- More questions...
  - How will progress and outcomes be evaluated?
  - Will this group be responsible for analysis of the data, or will that be left to the other Collaborative workgroups or the end-users?
  - Who will have access to this data?
  - Read only vs edit right?
  - Where will this data be stored?
  - How will progress and outcomes be evaluated?
  - Will this group be responsible for analysis of the data, or will that be left to the other Collaborative workgroups or the end-users?
  - Are there any key partners missing from this group, and if so, who can help recruit them?
  - Is there data on hospice utilization by minorities?

- Next steps
  - More research on:
    - CRISP data
    - Limitations on data from MHCC
    - Medicare raw claims data (through 2015)
  - Compilation of answers and resources
    - Create a list of available resources, data sets, etc

#### Challenges & Successes

- Challenges:
  - We need representation from MHA and from more than one hospice (working on this)
  - We need data on referrals to palliative care and the location of the patient at the time of the referral (inpatient, home-based, etc)
- Successes:
  - We have done plenty of research and know that the data is out there!
  - New members will be joining our workgroup!

# Fatigability and Cancer

# What is it? How do we measure it? What are the causes and potential interventions?

### Jennifer Schrack, PhD Department of Epidemiology





### Fatigue

### Fatigue:

- Subjective lack of physical and/or mental energy perceived to interfere with usual and desired activities
- Often used interchangeably with tiredness and exhaustion

### Fatigue

### Fatigue:

- Subjective lack of physical and/or mental energy perceived to interfere with usual and desired activities
- Often used interchangeably with tiredness and exhaustion
- Usually assessed by asking:

In the past month, on average how often have you felt unusually tired during the day? All, most, some, or none of the time? GHSX04

All O3 Most O2 Some O1 None O0 Don't know O8 Refused O7

### Fatigue

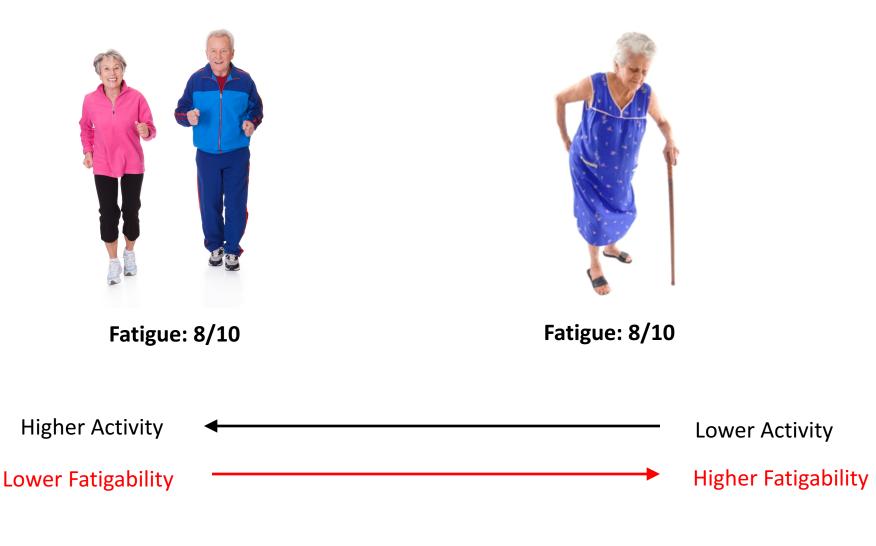
### Fatigue:

- Subjective lack of physical and/or mental energy perceived to interfere with usual and desired activities
- Often used interchangeably with tiredness and exhaustion
- Usually assessed by asking:

During the past month, what category best describes your usual energy level, using a scale from 0 to 10, where 0 is <u>no energy at all</u> and 10 is the <u>most energy you have ever had?</u> GHSX06

No ener at all	gy									Most energy	DK	Refused
0	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	0	0	0
0	1	2	3	4	5	6	7	8	9	10	88	77

#### Why Doesn't Self-reported Fatigue Increase with Age?



Eldadah B. GSA 2012.

### Fatigue vs. Fatigability

### Fatigue:

- Subjective lack of physical and/or mental energy perceived to interfere with usual and desired activities
- Used interchangeably with tiredness and exhaustion

### Fatigability:

- Whole-body measure describing fatigue in relation to a standardized task in terms of time, distance, and/or speed
  - Perceived fatigability
  - Performance fatigability

### Measures of Fatigability in the Baltimore Longitudinal Study of Aging

#### Perceived Fatigability:

➤Can we use the Borg Rating of Perceived Exertion (RPE) scale to understand fatigability in relation to a standardized task?

#### ➢Performance Fatigability:

➤ Derived from 400m walk done "as quickly as possible"

6	
7	Very, very light
8	
9	Very light
10	
11	Fairly light
12	
13	Somewhat hard
14	
15	Hard
16	
17	Very hard
18	,
19	Very, very hard
20	,, , , , , , , , , , , , , , , , , , , ,



### Measures of Fatigability in the Baltimore Longitudinal Study of Aging

#### ➢ Perceived Fatigability:

≻5 min treadmill walk at 1.5 mph (.67 m/s), 0% grade

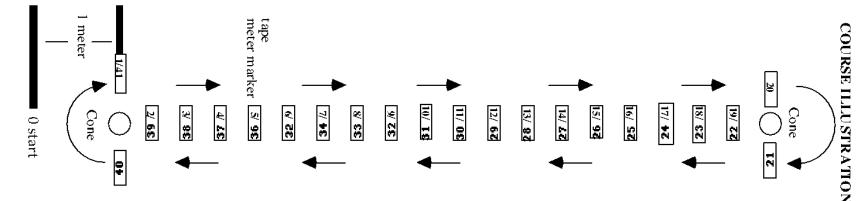
Immediately following, participants give their Rating of Perceived Exertion (RPE) from the Borg scale

Those with a RPE of  $\geq$ 10 (e.g., High Fatigability) have been shown to have greater risk of functional decline at follow up

6 7 8	Very, very light
9	Very light
10 11 12 13 14 15 16 17 18	Fairly light Somewhat hard Hard Very hard
19 20	Very, very hard

### Performance fatigability

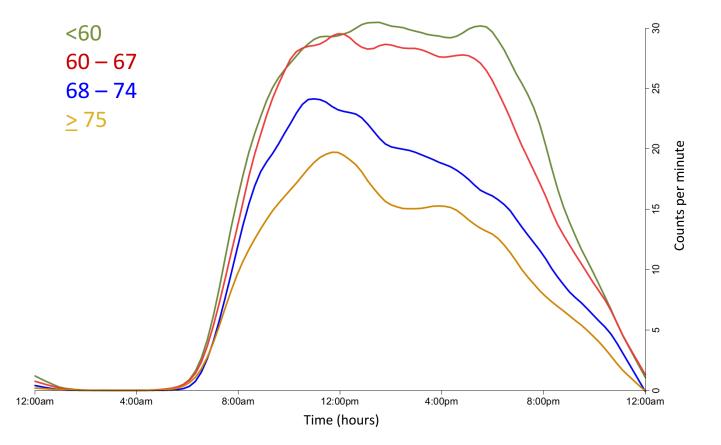
- Long Distance Corridor Walk consisting of a 400m walk "done as quickly as possible without running"
- Total time and **10** lap by lap (**40m**) split times are recorded
  - Inability to walk 400m = mobility disability
  - 6:30–7:00 min times associated with poor mobility



Slow time to complete > 5 minutes?

#### Assessing the "Physical Cliff": Detailed Quantification of Age-Related Differences in Daily Patterns of Physical Activity

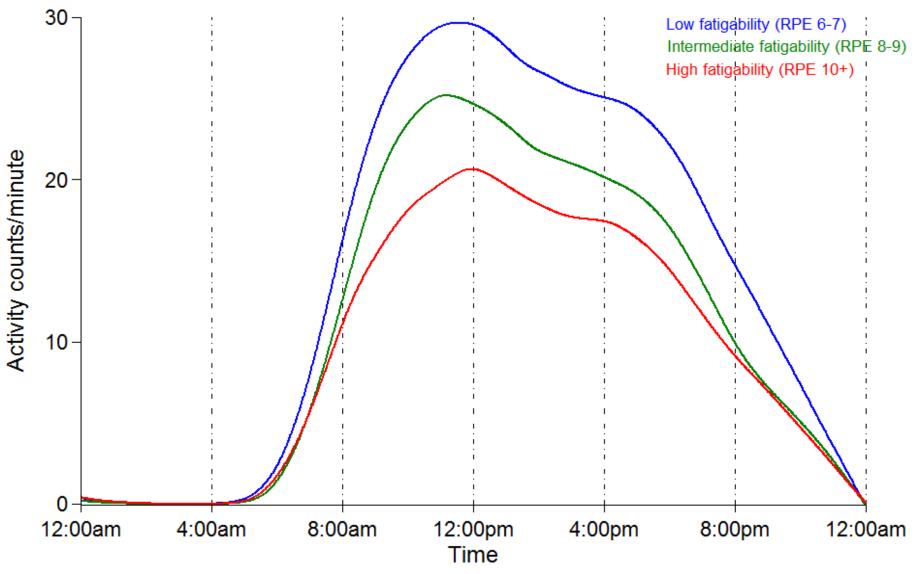
Jennifer A. Schrack,<sup>1,2</sup> Vadim Zipunnikov,<sup>3</sup> Jeff Goldsmith,<sup>4</sup> Jiawei Bai,<sup>3</sup> Eleanor M. Simonsick,<sup>2</sup> Ciprian Crainiceanu,<sup>3</sup> and Luigi Ferrucci<sup>2</sup>



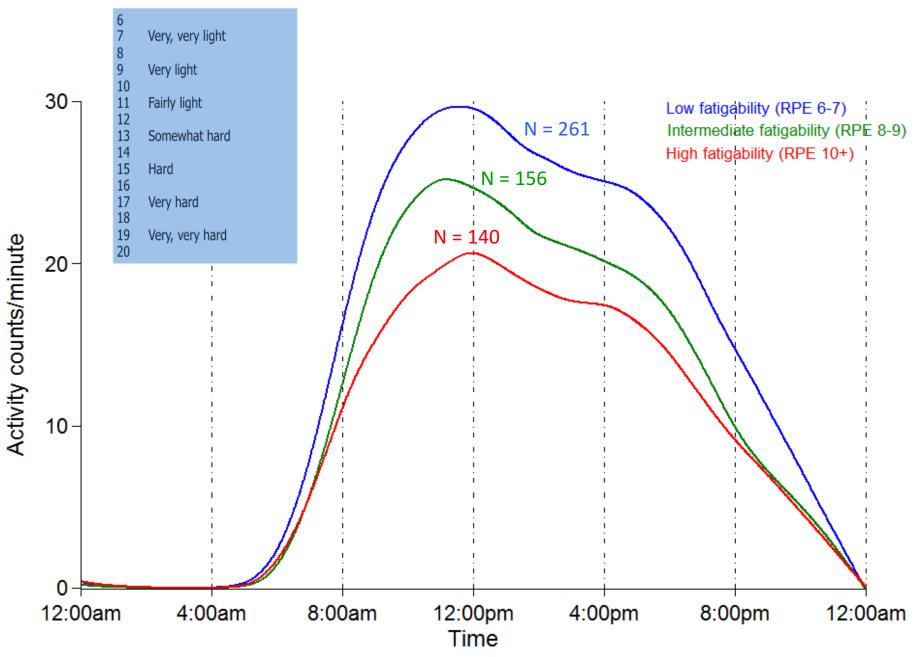
N = 611, BLSA subjects

Schrack et al, JGMS 2014

#### What Can Diurnal Patterns Tell Us About Fatigability?



Note: RPE – rate of perceived exertion Wanigatunga, et al, in press

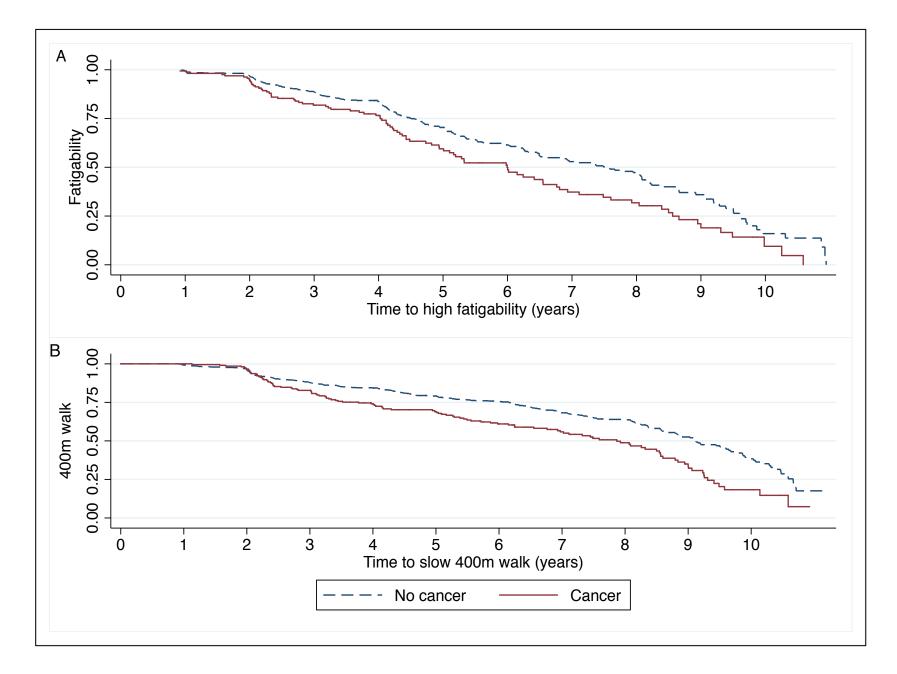


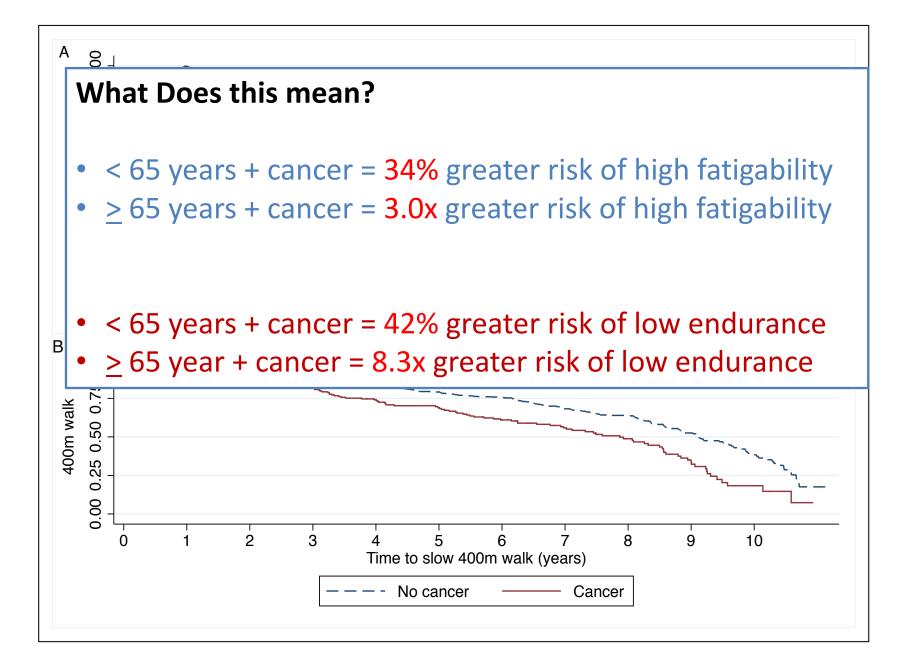
Note: RPE – rate of perceived exertion Wanigatunga, et al, in press

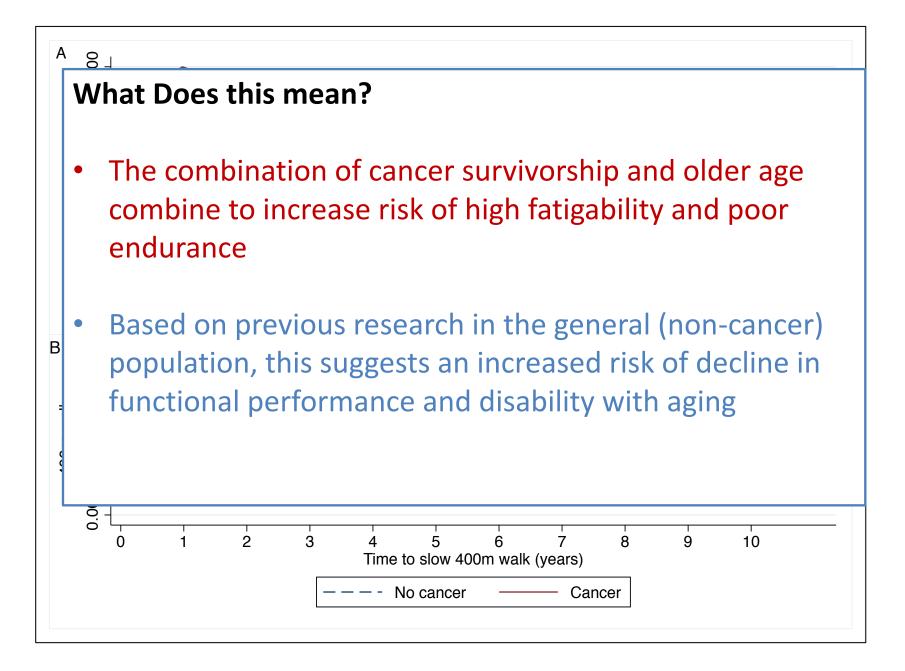
## Characterizing Cancer in the BLSA

- Excluded squamous and basal cell skin cancers
- Grouped by general cancer type
- Majority of patients are Prostate and Breast

Cancer Type	Ν
Breast	53
Prostate	127
GI (Colon/stomach/pancreatic/liver)	24
OB/GYN (Cervical/endometrial/ovarian)	20
Melanoma	42
Lung	11
Lymphoma/Leukemia	19
Other (Bladder/Brain/Thyroid/"Other cancer")	75
Total (excluding non-melanoma skin cancers)	371







# Still to be answered...

- How do these results compare to clinical populations?
  - BLSA is a study of "healthy" aging (survivors)
  - Need to compare to cancer patients and/or recent survivors
- How does fatigability differ by type of cancer?
   Differences by stage of cancer?
- What are the effects of treatment?
  - Are certain types of treatment more damaging long term?
- What is the role of sleep?

# How do we treat fatigability?

- Treatments for fatigability are not well defined
- Differences in fatigability by treatment could inform clinical decision making for immediate survival and long term quality of life
- Physical activity interventions are promising to increase endurance and maintain quality of body composition
  - May be problematic in sicker populations
  - Long term adherence of traditional interventions is questionable
  - Effectiveness of self-paced interventions using wearables is being investigated in various populations



# Acknowledgements

#### JHSPH

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Johns Hopkins University

STATISTICAL METHODS AND APPLICATIONS FOR RESEARCH IN TECHNOLOGY

JHSOM Eileen Browner, MD

#### NIA

Luigi Ferrucci, MD, PhD Eleanor Simonsick, PhD Stephanie Studenski, MP, MPH



Funding: NIA (1R21AG053198)



# Maryland Cancer Collaborative Annual Meeting: Wrap-Up

Brian Mattingly Director, MCCCP September 26, 2017

