

Health screenings

Presenters:

Herbert A. Schumm, MD, MBA

Faculty, Mercy Anderson Family and Community Medicine Residency

Barbara Bawer, MD

Assistant Professor – Department of Family and Community Medicine
The Ohio State University Wexner Medical Center

Healthy State Alliance



Health Screenings in Primary Care: A Lunch-and-Learn Series

May
8th

Oncology

June
5th

Cardiovascular Medicine

July
10th

Behavioral Health

Aug.
7th

Renal

Sept.
4th

Vaccines

Nov.
6th

Pediatrics



Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

History and principles of health screening

- Why?
- What?
- Who?
- How?

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

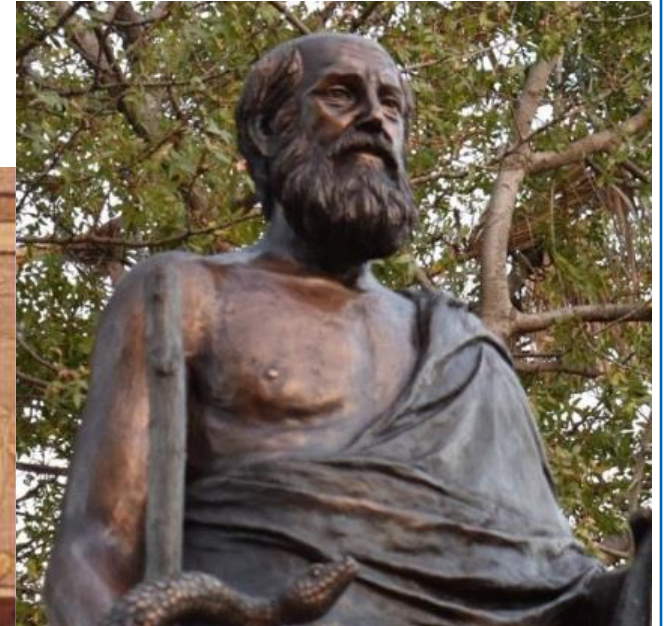
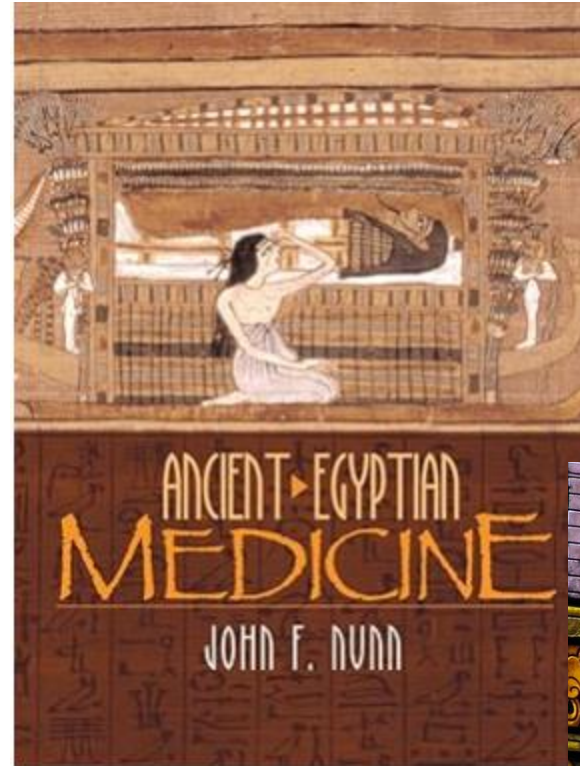
BON SECOURS
MERCY HEALTH

Who first practiced preventive health?

2000 BC Egyptians

400 BC Romans and Greeks

500 AD- 1400 AD Middle Ages



“Modern Medicine”

1749-1823	Edward Jenner
1822-1895	Louis Pasteur
1843-1910	Robert Koch
1857-1943	Arthur Newsholme

20th Century

- 1900-Industrial Revolution and Public Health
- 1920-PCN, insulin, vitamins
- 1950-Salk/Sabin Vaccines

21st Century

- 2009-HITECH Act
- 2010- Affordable Care Act
- 2020-Covid 19
- ???-Genome, SDOH

Poll

What disease has killed the most people?

- A. Bubonic Plague
- B. Black Plague
- C. Tuberculosis
- D. Malaria

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

Poll

Who was the most important figure in preventive medicine?

- A. Edward Jenner
- B. Robert Koch
- C. Louis Pasteur
- D. Arthur Newsholme
- E. Salk/Sabin
- F. Other

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

Prevention- what do you mean?

Measures taken to maintain health, prevent diseases, and reduce the risk of illness or injury

Primordial- reduce development of chronic disease.

Primary-reduce risk factors. *Incidence*

Secondary- Early detection and management to reduce complications *Prevalence*

Tertiary-Prevent further damage *Disability*

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

Ideal Screening Test

Sensitive-low false negative

Specific-low false positive

Cheap-low cost

Improve health outcomes

Available

Accepted

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

Who?

Government agencies- NIH, CDC

Professional Organizations- AAFP, AAP, ACOG, ACR

Health Organizations- ACS, AHA, NCCN

United States Preventive Services Task Force USPSTF

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

USPSTF

Grade	Definition	Suggestions for Practice
A	The USPSTF recommends the service. There is high certainty that the net benefit is substantial.	Offer or provide this service.
B	The USPSTF recommends the service. There is high certainty that the net benefit is moderate or there is moderate certainty that the net benefit is moderate to substantial.	Offer or provide this service.
C	The USPSTF recommends selectively offering or providing this service to individual patients based on professional judgment and patient preferences. There is at least moderate certainty that the net benefit is small.	Offer or provide this service for selected patients depending on individual circumstances.
D	The USPSTF recommends against the service. There is moderate or high certainty that the service has no net benefit or that the harms outweigh the benefits.	Discourage the use of this service.
I Statement	The USPSTF concludes that the current evidence is insufficient to assess the balance of benefits and harms of the service. Evidence is lacking, of poor quality, or conflicting, and the balance of benefits and harms cannot be determined.	Read the clinical considerations section of USPSTF Recommendation Statement. If the service is offered, patients should understand the uncertainty about the balance of benefits and harms.

Healthy State Alliance

 **THE OHIO STATE UNIVERSITY**
WEXNER MEDICAL CENTER

**BON SECOURS
MERCY HEALTH**

USPSTF-Abdominal Aortic Aneurysm Screening

Population	Recommendation	Grade
Men aged 65 to 75 years who have ever smoked	The USPSTF recommends 1-time screening for abdominal aortic aneurysm (AAA) with ultrasonography in men aged 65 to 75 years who have ever smoked.	B
Men aged 65 to 75 years who have never smoked	The USPSTF recommends that clinicians selectively offer screening for AAA with ultrasonography in men aged 65 to 75 years who have never smoked rather than routinely screening all men in this group. Evidence indicates that the net benefit of screening all men in this group is small. In determining whether this service is appropriate in individual cases, patients and clinicians should consider the balance of benefits and harms on the basis of evidence relevant to the patient's medical history, family history, other risk factors, and personal values.	C
Women who have never smoked	The USPSTF recommends against routine screening for AAA with ultrasonography in women who have never smoked and have no family history of AAA.	D
Women aged 65 to 75 years who have ever smoked	The USPSTF concludes that the current evidence is insufficient to assess the balance of benefits and harms of screening for AAA with ultrasonography in women aged 65 to 75 years who have ever smoked or have a family history of AAA.	I

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

Closing

What opportunities do we have today?

What challenges do we face today?

How can we manage today's challenges to maximize our opportunities?

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

Common screens and their sources

CANCER

- Breast cancer
- Colon/Colorectal cancer
- Cervical Cancer
- Prostate Cancer
- Lung Cancer

GENERAL

- Physical exam, Blood testing, BP, Vision/Hearing

OTHER

- Depression
- Osteoporosis
- AAA

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

Impact of screens on individual patients and populations

- Early disease prevention
- Improved health outcomes
- Enhanced quality of life
- Cost effectiveness
- Impacts on public health
- Supports a culture of health

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

Managing screening in a medical practice

- Identifying patients at risk
 - Age/gender
 - Family history
 - Lifestyle
 - Specific conditions
- Recommending appropriate screenings
 - Proper education and collaboration with patient
 - Tools to conduct screenings in office
 - Good record keeping and tools
- Ensuring timely follow-up and treatments
 - Setting up systems for follow ups and referrals

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

Improving screening compliance

- Scheduling yearly physicals
- Using clinic resources – care managers, medical assistants, LPN/RN's
- Pre-filled release of records forms

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH

Discussion

Healthy State Alliance

 THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

BON SECOURS
MERCY HEALTH