Advancing Interdisciplinary Patient Care in a University Setting

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Sponsors: Aging Eye Summit: Shedding Light on Vision Loss is presented by: Ohio’s Aging Eye Public Private Partnership and Prevent Blindness and is hosted by The Ohio State University College of Optometry.
Outline

• Setting the Public Health Agenda
  – Healthy People 2020
    • Topics and Objectives

• How Ohio State is Addressing Public Health Problems in a University Setting
  – The Oyler School
  – Lower Lights
  – The PPOD and Cross-disciplinary Approaches to Care in a University Setting
Setting the Public Health Agenda

There are 8 major Vision Objectives on the Public Health agenda.

**Goal**
Improve the visual health of the Nation through prevention, early detection, timely treatment, and rehabilitation.

**Overview**
Vision is an essential part of everyday life, influencing how Americans of all ages learn, communicate, work, play, and interact with the world. Yet millions of Americans live with visual impairment, and many more remain at risk for eye disease and preventable eye injury.
Setting the Public Health Agenda

- The OSU College of Optometry’s involvement in 3 Healthy People Vision Objectives
  - V-2: Reduce blindness and visual impairment in children and adolescents aged 17 years and under
  - V-5: Reduce visual impairment
  - V-8: (Developmental) Increase the proportion of Federally Qualified Health Centers (FQHCs) that provide comprehensive vision health services
Outline

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V-2: Reduce blindness and visual impairment in children and adolescents aged 17 years and under
How do we get there?

Baseline: 28.2 per 1,000

Target: 25.4 per 1,000
For 563 million people the world is a blur

Help eradicate the global vision care crisis by making a donation. Every dollar helps provide access to vision care for those in need across the globe.

Donate Now

http://onesight.org/
The Oyler School

The Oyler School

IDOC: Interpreting Data from the Oyler Clinic
Lasher, Sarah K

Jeffrey Walline, OD, PhD
Associate Dean of Research
The Ohio State University
College of Optometry
The Oyler School

• Preliminary Results (Sarah Lasher)
  – During the first year 1,255 children received eye examinations
    • 420 enrolled in the Oyler School
    • Ages 3 to 19 years old
  – Eye examination data used to document the prevalence of vision anomalies
    • High prevalence of hyperopia and astigmatism
    • Comparison between students with IEP vs non-IEP
      – IEP students had higher astigmatism and more commonly had eye alignment problems (exophoria and exotropia)
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V-8: (Developmental) Increase the proportion of Federally Qualified Health Centers (FQHCs) that provide comprehensive vision health services
Policy Brief

Assessing the Need for On-Site Eye Care Professionals in Community Health Centers

Peter Shin, Ph.D., M.P.H.
Brad Finnegam, M.P.P.

The George Washington University
School of Public Health and Health Services
Department of Health Policy

February 2009

Supported by the New England Eye Institute,
the American Optometric Association,
the Massachusetts League of Community Health Centers, and
the National Association of Community Health Centers
Figure 4: Proportion of Patients with Serious and Chronic Conditions, Health Centers vs. Private Physician Offices

- Health Centers: 25%
- Private Physician Offices: 9%

Figure 5: Distribution of Professional Eye Care Services Provided

- 9% Have onsite professional who provides care on free care/volunteer basis
- 20% Have onsite eye care professional who bills for exams
- 69% Do not provide on-site comprehensive eye exams

Source: 2008 survey of vision care in community health centers
Lower Lights

In partnership with OSU School of Optometry, LLCHC offers vision services from eye exams for glasses and contacts.

Jackie Davis, OD, MPH
Associate Professor
Clinical Optometry
The Ohio State University
College of Optometry
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V-5: Reduce visual impairment
The Vision Health Initiative (VHI) promotes vision health by preventing and controlling eye diseases, eye injury, and visual impairment. The Division of Diabetes Translation, collaborating with divisions across the CDC, promote the nation’s vision health across the lifespan.

Key activities:
- Assessment
- Application
- Action

State Surveillance Data

This tool allows users to see vision health state-specific data.
For states with data, many believe they have no reason for a comprehensive eye exam.
In patients with sight-threatening disease, by the time they are symptomatic, irreversible vision loss has already occurred.
V-5.2: Reduce visual impairment due to diabetic retinopathy
### V-5.2 Reduce visual impairment due to diabetic retinopathy

<table>
<thead>
<tr>
<th>Baseline:</th>
<th>34.2 per 1,000 population aged 18 years and older with diabetes had visual impairment due to diabetic retinopathy in 2008 (age adjusted to the year 2000 standard population)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target:</td>
<td>30.8 per 1,000</td>
</tr>
<tr>
<td>Target-Setting Method:</td>
<td>10 percent improvement</td>
</tr>
<tr>
<td>Data Sources:</td>
<td>National Health Interview Survey (NHIS), CDC/NCHS</td>
</tr>
<tr>
<td>Data:</td>
<td><img src="image" alt="DATA 2020" /> [HP2020 data for this objective](HP2020 data for this objective)</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Spotlight on Disparities" /> <a href="Sex">Sex</a></td>
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<tr>
<td></td>
<td><img src="image" alt="Spotlight on Disparities" /> [Family Income (percent Poverty Threshold)](Family Income (percent Poverty Threshold))</td>
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<td></td>
<td>![Details about the methodology and measurement of this HP2020 objective](Details about the methodology and measurement of this HP2020 objective)</td>
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<td>The HP2010 objective with the same definition was 28-05.</td>
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<td>![Search data for all HP2010 objectives](Search data for all HP2010 objectives)</td>
</tr>
<tr>
<td>Revision History:</td>
<td>This objective was revised. Read more about the [revision history](revision history).</td>
</tr>
<tr>
<td>More Information:</td>
<td>[Related research articles on PubMed](Related research articles on PubMed)</td>
</tr>
</tbody>
</table>
Baseline: 34.2 per 1,000

Target: 30.8 per 1,000

- Family Income (percent Poverty Threshold)

Details about the methodology and measurement of this HP2020 objective

The HP2010 objective with the same definition was 28-05.

Search data for all HP2010 objectives

Revision History: This objective was revised. Read more about the revision history.

More Information: Related research articles on PubMed
A SNAPSHOT

DIABETES
IN THE UNITED STATES

29.1 MILLION

29.1 million people have diabetes
That’s about 1 out of every 11 people

1 OUT OF 4 do not know they have diabetes
29.1 million people have diabetes
A SNAPSHOT

DIABETES IN THE UNITED STATES

DIABETES

1 OUT OF 4 do not know they have diabetes
Are diabetic patients getting the eye care they need?

Currently, at least 1 out of 3 people will develop the disease in their lifetime.
We need a multidisciplinary approach that includes education for patients and practitioners.
What Eye Care Professionals Would Like Team Members to Know About Eye Health and Diabetes
This needs to change or we will have a much greater vision impairment problem in the United States as diabetes becomes a more prevalent.

Diabetes Objective #10 (D-10): Increase the proportion of adults with diabetes who have an annual dilated eye examination.

Target: 58.7%.

Baseline: 53.4% of adults ages 18 years and older with diagnosed diabetes had a dilated eye examination in the past year, as reported in 2008 (age adjusted to the year 2000 standard population).
What Dental Professionals Would Like Team Members to Know About Oral Health and Diabetes

What Pharmacists Would Like Team Members to Know About Medication Therapy for Diabetes

What Eye Care Professionals Would Like Team Members to Know About Eye Health and Diabetes
Multidisciplinary Approaches at Ohio State with the PPOD

• Future directions
  – Coordinated care for patients with diabetes
  – Multidisciplinary educational opportunities for students in the professional programs and practitioners through continuing education
  – Collaborative interdisciplinary research to improve access and efficiency of care for diabetic patients
  – Improved dialogue across departments
Resources and Useful Links

- Healthy People 2020 Vision Topics
  - http://www.healthypeople.gov/2020/topics-objectives/topic/vision
- OneSight at the Oyler School
  - http://onesight.org/How/sustainable-centers
- Eye Care in Community Health Centers
- CDC Diabetes Snapshot Fact Sheet
- PPOD
Questions?

Thank you.