• We will begin momentarily.
• This webinar is being recorded and will be available online next week.
• Audio will be through your computer speakers.
  • Make sure your speakers are on and the volume is turned up.
  • If you have no sound once the webinar begins, click
  • To request the phone number, click
• For assistance, send a Chat message to “AAMC Meetings.”
• Type your questions for the speakers in the “Q&A” panel at the bottom. Send to “All Panelists.”

Beyond the Bedside: Social Determinants of Health Curriculum and Assessment in the Health Professions

May 15, 2017
1:00-2:30 p.m. ET
Welcome & Introductions:
Sherese Johnson, MPH, PMP

Lead Specialist, Public Health Initiatives
Association of American Medical Colleges

CDC’s Academic Partnerships to Improve Health (APIH)

- CDC awarded AAMC, AACN, ASPPH, and APTR funds to:
  - Support enhanced teaching of concepts of population health
  - Provide practical, hands-on experience at the community level for public health, medical, and nursing students.
- For more information, visit:
  - www.aamc.org/cdc
  - www.aacn.nche.edu/public-health-nursing
  - www.cdc.gov/ophss/csels/dsepd/academic-partnerships
Population Health Connect Newsletter

Receive updates on population health activities, curricular resources, and upcoming meetings relevant to the academic medicine community.

Subscribe at www.aamc.org/cdc

MedEdPORTAL® Public Health Collection

Submit your curricular innovation to the Public Health Collection of AAMC’s MedEdPORTAL®, a free, cross-indexed suite of services that aims to equip healthcare professionals across the continuum with effective and efficient educational tools to improve patient care.
Public Health Pathways

An online searchable database of domestic and international public health training opportunities for:

- Pre-med/Pre-health Students
- Medical/Graduate Students
- Residents/Postdocs
- Early Career Physicians & Scientists

Visit Public Health Pathways at: www.aamc.org/phpathways

Moderator: Susan Swider, PhD, APHN-BC, FAAN
Rush University

- Professor, Department of Community, Systems and Mental Health Nursing
- Fellow of the American Academy of Nursing and of the Institute of Medicine of Chicago
- Appointed by President Obama in 2011 to the Advisory Group on Prevention, Health Promotion, and Integrative and Public Health
- Past president of the Association of Community Health Nursing Educators (ACHNE)
About AACN

The American Association of Colleges of Nursing (AACN) is the national voice for baccalaureate and higher degree nursing education programs in the U.S.

Represent over 800 member schools

- Education Standards
- Leadership Development
- Data Collection
- Government Advocacy
- Conferences
- Faculty Enrichment
- Communications
- Special Projects
- Leading Innovation

Improving Academic Programs

Undergraduate Faculty Toolkit/Resources:
www.aacn.nche.edu/public-health-nursing/curriculum-improvement

BSN Supplement to Essentials
- Since October 2013, 1,600 copies downloaded and disseminated
- Curriculum Best Practices
  - Since June 2013, 14,000 unique page views
Improving Academic Programs

- Webinars – Population Health Series – for all levels of nursing education – BSN, MSN, DNP
  - 16 webinars (one upcoming)
  - [http://www.aacn.nche.edu/webinars/topics](http://www.aacn.nche.edu/webinars/topics) (search Public/Population Health)

- Innovations in Baccalaureate and Graduate Population Health Curriculum Awards – 2 Awards to BSN programs; 2 to graduate programs

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Improving Academic Programs

- Student Public Health Career Resources
- Student Webinar Series
- Student Resource Page: [http://www.aacn.nche.edu/public-health-nursing/resources-opportunities/student-resources](http://www.aacn.nche.edu/public-health-nursing/resources-opportunities/student-resources)

- Grants to DNP projects in Population Health
  - [http://www.aacn.nche.edu/public-health-nursing/dnp-projects](http://www.aacn.nche.edu/public-health-nursing/dnp-projects)
Improving Academic Programs

- Small Grants Program to Evaluate Population Health Initiatives
  - http://www.aacn.nche.edu/public-health-nursing/small-grant-projects

- Workforce Improvement Projects (WIPs)
  - Alcohol Screening and Brief Intervention Program for Advanced Practice Nurses and Nurse Leaders
  - Academic/Practice Partnerships to Impact Population Health in Chronic Disease and Emergency Response (ongoing)

American Association of Colleges of Nursing
One Dupont Circle NW, Suite 530
Washington, DC 20036
http://www.aacn.nche.edu

Joan Stanley, PhD, APRN-BC, FAAN, FAANP
Chief Academic Officer
jstanley@aacn.nche.edu
Health Care Challenges in the U.S.

Frieden Framework (2010)

NAS Conceptual Model for Health Professional Education in the Social Determinants of Health

Create lifelong learners who appreciate relationships and collaborations for understanding and addressing community-identified needs and assets.

Increase inclusivity and diversity of the health professional student body and faculty.

Foster enabling environment that supports and values the integration of the framework’s principles into their mission, culture, and work.

Support evaluation research to identify effective approaches for learning about the SDOH in and with communities while improving health outcomes.

NAS Recommendations for Teaching SDOH
Panelist: Melissa Klein, MD, MEd
Cincinnati Children’s Hospital Medical Center (CCHMC)

- Associate Professor of Pediatrics
- Director, Primary Care and Community Pediatrics Pathway of the Pediatric Residency
- Director, General Pediatrics Master Educator Fellowship

Panelist: F. Joseph Real, MD, MEd
Cincinnati Children’s Hospital Medical Center (CCHMC)

- Attending Physician, Division of General and Community Pediatrics
- General Pediatric Master Educator Fellow
Learning Objectives

• Identify community-based partnerships that could enhance health professions training in social determinants of health
• Describe examples of integrated curricula on social determinants of health
• Discuss methods to assess learners’ ability to apply knowledge and skills about the social determinants of health during routine care
• Recognize population health outcomes related to social determinants training

Roadmap

• Background on the social determinants of health
• Advocacy curriculum
• Geomedicine curriculum
  – Neighborhood tour
  – Senior level curriculum
• Population health outcomes
Prioritize Risks and Community Partners

Maslow’s Hierarchy of Needs

A. Henize, R. Kuhn (2013)
Prioritize Risks and Community Partners

Risk Assessment
- Unemployment
- Lack of high school degree
- Ex-offender reentry issues
- Overwhelmed new parents
- Lack of parenting role models
- Domestic violence
- Adult mental health issues
- Inadequate education services
- Food insecurity
- Denial/delay of public benefits
- Utility shut offs
- Poor housing conditions

Maslow’s Hierarchy of Needs
- Achieving Potential
- Esteem and Respect
- Belonging
- Safety and Security
- Physiological

Community-Based Intervention

Social Determinants of Health Physician Training in Cincinnati
The majority of our residents were *not* raised in poverty.
SDOH Training Roadmap

1. Awareness of SDH Related to Poverty
2. Knowledge of Resources
3. Documentation
4. Impactful Screening
5. Skills
6. Knowledge
Awareness of SDH Related to Poverty
Knowledge of Resources
Impactful Screening
Documentation
Competition & Comfort Screening
Walk in Patients Shoes

SDOH Training Roadmap

Social Determinants Training

Improved Child Health and Well-Being
Surviving Poverty – Intern Advocacy

- Poverty and health curriculum
- Multi-disciplinary training
- Combination of:
  - Immersion field trips
  - Facilitated didactics
  - Reflective exercise


Evaluation Metrics

Improve documentation of social determinants in electronic health record (EHR)
Social History Video Curriculum

Two 90 minute sessions

- Brief Didactic
- Trigger Videos
- “Day in the Life” Scenario
- Social Code Cards

Topics: FI & benefits, housing and asthma; education; maternal depression & intimate partner violence

Social History Video Curriculum Outcomes – Direct Observation

On direct observation, residents:
- Spent more time discussing social risks
- Discussed more risks

www.medportal.org/publication/9575
Social History Video Curriculum Outcomes – Parent Report

During today’s visit, did the doctor ask you if:

<table>
<thead>
<tr>
<th>Question</th>
<th>Odds of Screening (Interventions vs. Control)</th>
<th>95% C.I.*</th>
</tr>
</thead>
<tbody>
<tr>
<td>You had enough food</td>
<td>1.95</td>
<td>0.66-5.75</td>
</tr>
<tr>
<td>You had difficulty receiving your public benefits (SNAP, Cash Assistance/TANF)</td>
<td>1.33</td>
<td>0.56-3.12</td>
</tr>
<tr>
<td>Your house is safe to live in</td>
<td>3.22</td>
<td>0.34-30.21</td>
</tr>
<tr>
<td>You feel unsafe or afraid of your partner</td>
<td>2.16</td>
<td>1.01-4.63*</td>
</tr>
<tr>
<td>You were happy with your child’s school services</td>
<td>1.57</td>
<td>0.47-5.26</td>
</tr>
<tr>
<td>You feel depressed or sad</td>
<td>2.63</td>
<td>1.15-5.99*</td>
</tr>
</tbody>
</table>

Social History Video Curriculum Outcomes – Physician Practice

- **Increased referral rate** to Medical Legal Partnership (1.6 to 3.2% of patients)

- **Increased distribution** of formula to infants in food insecure households (4.8 to 7.6%)
The Geomedicine Curriculum

To improve understanding of neighborhood impact on health

The Geomedicine Curriculum

INTERN

SENIOR

Avondale

Module 1

Module 2

Module 3
Neighborhood Tour

Avondale
Neighborhood Tour

Improved self-assessed competence at identifying barriers and tailoring advice

Increased empathy toward families and enhanced community-mindedness


Senior Curriculum

Module 1

Module 2

Module 3
Senior Curriculum

Improved self-assessed competence at advising families on safe play and transportation

Parents reported increased helpfulness of anticipatory guidance and advice delivered by residents


Population Health Outcomes
Legal Aid Partner - MLP

*Strives to resolve serious legal problems of low-income people, promote economic and family stability and reduce poverty through effective legal assistance*

**Services**

*Housing*  Employment  
*Income*  *Public Benefits*  
*Education*  Family law  
*Immigration*  Domestic Violence*

Medical Legal Partnership  
[http://medical-legalpartnership.org/partnerships/#/states=124](http://medical-legalpartnership.org/partnerships/#/states=124)

**Patient Level Outcomes: MLP Referrals**

Referred 4,929 patient families  
~10,000 children affected  
~800 referrals annually (~3% referral rate)  
>500 pediatric residents trained

![Bar Chart]

Types of Providers:

- Resident
  - Provider Alone: 253
  - Provider & Social Work: 844
  - Total: 1,097
  - Percentage: 35% of total

- Attending
  - Provider Alone: 592
  - Provider & Social Work: 1,231
  - Total: 1,823
  - Percentage: 58% of total

- Social Worker
  - Total: 201
  - Percentage: 58% of total
Partnership with Food Bank

• FSFB devoted to ending the root causes of hunger and poverty

• Largest emergency food provider in the Tristate
  – Distributes ~20 million meals to member agencies in 9 counties in OH, KY and IN

• Child focused programs
  – Kids Café
  – Power Packs

Keeping Infants Nourished and Developing (KIND)

• Minimize food insecurity among infants cared for in primary care clinics

• Develop a leading collaborative program that trains physicians to screen and intervene for household hunger

• Secure critical supports for families, including linkages to income stabilizing programs
KIND Outcomes

>4,500 cans distributed at initial site (since 2011)
~80 cans/month


KIND Outcomes

KIND associated with increased preventive services (i.e. developmental screening, immunizations)

Spread of a Successful Intervention

KIND spread to 12 additional primary care centers

DIVISION OF GENERAL AND COMMUNITY PEDIATRICS

F. Joseph Real, MD  
Nick DeBlasio, MD  
Zeina Samaan, MD  
Andrew Beck, MD, MPH  
Thomas DeWitt, MD, FAAP  
Melissa Klein, MD, MEd  
Rob Kahn, MD, MPH  
Adrienne Henize, JD  
Jeanne Spaulding, MA

ADDITIONAL PARTNERS

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Deanna White  
paralegal and the legal  
support at Legal Aid  
Society of Greater  
Cincinnati  
Kurt Reiber and the staff at  
the FreeStore FoodBank
“Unless someone like you cares a whole awful lot, nothing is going to get better. It’s not.”
Dr. Seuss' The Lorax

Q&A Session

Type your questions here.

Moderator:
Susan Swider, PhD,
APHN-BC, FAAN
Rush University

Type your questions in the ‘Q&A’ panel at the bottom right of your screen and send to “All Panelists.”
Panelist: Sandra Davis, PhD, DPM, ACNP-BC
The George Washington University
School of Nursing

- Assistant Professor and Director, Adult-Gerontology Primary Care Nurse Practitioner Program
- Board certified as an Acute Care Nurse Practitioner
- President, Nurse Practitioner Association of the District of Columbia

Panelist: Pamela Slaven-Lee, DNP, FNP-C
The George Washington University
School of Nursing

- Clinical Assistant Professor and Assistant Dean, MSN Program
- Certified Healthcare Simulation Educator (CHSE)
- Founding Board Member of Wreaths Across America
Teaching Graduate Nursing Students Social Determinants of Health with Simulation Based Learning

A Simulation-Based Innovation

Sandra Davis, PhD, DPM, ACNP-BC
Pamela Slaven-Lee, DNP, FNP-C, CHSE

The purpose of this webinar is to introduce attendees to an innovative approach for incorporating Social Determinants of Health (SDH) into Nurse Practitioner (NP) Curriculum via simulation-based learning (SBL) using standardized patients (SPs). The major themes and implications of SDH will be discussed as well as essential components of SBL initiatives.
Objectives

• Discuss the social, political, and economic factors that influence health, health disparities, health equity, and the SDH
• Identify structural and intermediary determinants of health
• Discuss integration of SDH and SBL
• Demonstrate the use of evidence-based debrief models to facilitate reflective analysis to and clinical learning
• Discuss research initiatives regarding SDH and SBL

What are Social Determinants of Health (SDH)?

- Conditions into which people are born, grow, work, and age
- Societal norms
- Political systems
- Economic policies
- Developmental agendas
- Social policies
Teaching Social Determinants of Health

Social Determinants of Health should be an integral component of health professional education so that providers have the knowledge, skill, and motivation to address and act on these factors.

Pedagogy

- **Experiential Learning**
  - Simulation
    - Real world connection
    - Learning for a sustainable future
- **Values Clarification**
  - Awareness
    - Of personally held values
  - Reconsider
    - Modify poorly founded values
- **Cooperative Learning**
  - Share
    - Responsibility for learning
  - Gain
    - The same knowledge
SDH Advocacy Continuum

The Concept of Fidelity: SDH Scenarios
Patient: G.W.

Chief Complaint: Abdominal pain

Diagnosis: Acute pancreatitis

Social History: married to Beth for 18 years; 4 minor children; self-employed in construction; no health or life insurance; unable to work for past 3 days due to abd discomfort; cannot recall the last time he saw a healthcare provider; denies drug or alcohol use
Debrief: Essential for Learning

School of Nursing
THE GEORGE WASHINGTON UNIVERSITY

Faculty Prompt for FOSCE Cases
Debrief for Meaningful Learning

DEBRIEF FOR MEANINGFUL LEARNING MODEL

ENGAGE
EXPLAIN
EXPAND

EXPLAIN
EXPLORE
EVALUATE

Attributes of Learning in Debriefing

- Emotion
- Reception
- Integration
- Reflection
- Learning
- Assimilation

References


Health Disparities, Health Equity, and Social Determinants of Health

“Create social and physical environments that promote good health for all.”

- Healthy People 2020

Q&A Session

Type your questions here.

Type your questions in the ‘Q&A’ panel at the bottom right of your screen and send to “All Panelists.”

Moderator:
Susan Swider, PhD, APHN-BC, FAAN
Rush University
Closing Remarks

Sherese Johnson, MPH, PMP
Lead Specialist, Public Health Initiatives
Association of American Medical Colleges

Public Health Initiatives at AAMC

- Malika Fair, MD, MPH, FACEP
  Senior Director, Health Equity Partnerships and Programs
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- Sherese Johnson, MPH, PMP
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