The Nursing Oral Health Journey: Successful Innovations and Challenges

Judith Haber, PhD, APRN-BC, FAAN
Associate Dean of Graduate Programs
Ursula Springer Leadership Professor in Nursing
Executive Director, OHNEP

NYU College of Nursing
Surgeon General (2000) and IOM Reports (2011-13)
The Healthy People 2020 Leading Health Topics are:

- Access to Health Services
- Clinical Preventive Services
- Environmental Quality
- Injury and Violence
- Maternal, Infant, and Child Health
- Mental Health
- Nutrition, Physical Activity, and Obesity
- **ORAL HEALTH**
- Reproductive and Sexual Health
- Social Determinants
- Substance Abuse
- Tobacco
Oral Health Care During Pregnancy:
A National Consensus Statement (2012)
IPEC Competencies (2011)

Core Competencies for Interprofessional Collaborative Practice
Sponsored by the Interprofessional Education Collaborative®

Report of an Expert Panel
May 2011
HRSA Report (2014)

HEENOT

Health History

Physical Health Exam

Oral-Systemic Risk Assessment

Action Plan (preventive interventions, management within scope of practice)

Collaboration

Referral
Perfect Storm
Interprofessional Oral Health Care Model

Increased Oral and Overall Health Outcomes

Increased Access to Oral Healthcare, Reduced Oral Health Disparities

Community

Health & Education Systems

Builds Primary Care Oral Health Workforce Capacity

Collaborative Practice

IP Oral-Systemic Education

Fragmented Oral Healthcare System

National Oral Health Needs

Successful Innovations
The Weave Approach
Standardized IPE Component of Curriculum

Voluntary IPE Activities

IPE Electives

The IPE Bull's-eye
Interprofessional Faculty Development
IP Education & Collaborative Practice

- Faculty and Preceptor Development

- Curriculum Integration

  Oral-Systemic Health Knowledge Base for Primary Care Providers

  Interprofessional Oral-Systemic Health Core Clinical Competencies for Primary Care Providers

  Health History
  Physical Health Exam (HEENOT)
  Oral-Systemic Risk Assessment
  Action Plan (preventive interventions, management within scope of practice)
  Collaboration
  Referral
Interprofessional Curriculum Integration

- Collaborative courses
  - Content/Student/Faculty

- Workshops/Mini-courses

- Service Learning
  - Local/international

- Clinical experiences
  - Unfolding case studies
  - Standardized Patients
  - Virtual Case Simulation
  - Clinical rotations
HEENT to HEENOT
The NFP Mission

• To expand access to primary healthcare services/ improve the quality of life

• To become primary care providers for patients without access to health care or in need of regular health care

• To test an innovative collaborative oral-systemic primary care delivery model
Collaborative Nursing/Dental Clinical Experience

- **Competencies for dental students**: DDS students complete a comprehensive approach to assessing patient general health needs; identify need for referral (primary care, dietary counseling, social work, etc.)
- **Competencies for nursing students**: recognize normal and pathological variations of oral structures; demonstrate head and neck and oral exams
- **Competencies for both**: establish the oral-systemic association in the context of diagnosis and treatment planning to address the patient’s oral health needs; assess the role of nursing in dentistry in providing primary care
- **Who participates**: NP faculty, DDS faculty and DDS and NP students
NYUCN Pediatric Nurse Practitioner Oral Health Outreach

• Who participates: Pediatric Nurse Practitioner students, dental students and Pediatric Dental Residents, NYUCD and NYUCN faculty

• Objective for DDS: Learn effective behavioral management of pediatric dental patients from PNPs

• Objective for Nursing: Learn to perform an oral examination from dental students
NYUCN - Teaching Oral-Systemic Health (TOSH) Program

• Goal: to promote an interprofessional, team-based approach to oral-systemic health promotion and disease prevention in primary care settings

• Interprofessional oral-systemic education experience at NYSIM
  • 330 Dental, Medical, NP, and NM students; 59 Faculty
  • Oral-systemic case presentation, standardized patient, and case discussion
  • ICCAS Pre/Post Survey to evaluate

• NP rotation in Dental Clinic 1A
<table>
<thead>
<tr>
<th>Patient 1</th>
<th>Patient 2</th>
<th>Patient 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>NP reviews chart</td>
<td>MD reviews chart</td>
<td>DDS reviews chart</td>
</tr>
<tr>
<td>NP takes history</td>
<td>MD takes history</td>
<td>DDS takes history</td>
</tr>
<tr>
<td>DDS does HEENOT exam and FV</td>
<td>NP does HEENOT exam and FV</td>
<td>MD does HEENOT exam and FV</td>
</tr>
<tr>
<td>All collaborate on care plan</td>
<td>All collaborate on care plan</td>
<td>All collaborate on care plan</td>
</tr>
<tr>
<td>MD gives education prevention, anticipatory guidance, handouts, referral and follow-up</td>
<td>DDS gives education prevention, anticipatory guidance, handouts, referral and follow-up</td>
<td>NP gives education prevention, anticipatory guidance, handouts, referral and follow-up</td>
</tr>
</tbody>
</table>
# National Nursing Oral Health Workgroup

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution and Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amy Barton</td>
<td>University of Colorado Anschutz Medical Campus College of Nursing</td>
</tr>
<tr>
<td>Anne Cardinale</td>
<td>Ulster County Office for the Aging</td>
</tr>
<tr>
<td>Anne Bavier</td>
<td>University of Connecticut</td>
</tr>
<tr>
<td>Beverly Kupiec-Sce</td>
<td>New Jersey Department of Health and Senior Services</td>
</tr>
<tr>
<td>Carol Savrin</td>
<td>Frances Payne Bolton School of Nursing, Case Western Reserve University</td>
</tr>
<tr>
<td>Cynthia Darling-Fisher</td>
<td>University of Michigan, School of Nursing</td>
</tr>
<tr>
<td>Cynthia Selleck</td>
<td>University of Alabama at Birmingham School of Nursing</td>
</tr>
<tr>
<td>Dedra Marie Hayden</td>
<td>University of Louisville, UL School of Nursing, UL School of Dentistry</td>
</tr>
<tr>
<td>Eleanor Bond</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Ethan Gray</td>
<td>National Association of Clinical Nurse Specialists</td>
</tr>
<tr>
<td>Evelyn Duffy</td>
<td>Frances Payne Bolton School of Nursing, Case Western Reserve University</td>
</tr>
<tr>
<td>Marguerite DiMarco</td>
<td>Frances Payne Bolton School of Nursing, Case Western Reserve University</td>
</tr>
<tr>
<td>Mary Ellen Roberts</td>
<td>Seton Hall University College of Nursing</td>
</tr>
<tr>
<td>Melinda Ray</td>
<td>National Association of Clinical Nurse Specialists</td>
</tr>
<tr>
<td>Patricia Underwood</td>
<td>Case Western Reserve University</td>
</tr>
<tr>
<td>Rita Jablonski</td>
<td>University of Alabama at Birmingham School of Nursing</td>
</tr>
<tr>
<td>Sally Schoessler</td>
<td>National Association of School Nurses</td>
</tr>
</tbody>
</table>
Spreading the Word

1. Case Western Reserve University
2. University of Tennessee
3. University of Nebraska
4. University of Maryland
5. University of Buffalo
6. University of Louisville
7. Virginia Commonwealth University
Planting the Seeds

University of Maryland School of Dentistry

UNC School of Nursing

University of Kentucky

Memorial Hermann Texas Medical Center

Jewish Renaissance Medical Center

Montana State University

NYU College of Nursing
TAKING IT NATIONAL!
Presented to more than 8000 people nationwide
Presentation & Workshop at the NONPF 40th Annual Meeting
Presentation & Workshop at the 59th Annual ACNM Meeting

• IP role of midwives in promoting oral health during pregnancy and preventing early childhood caries (ECC) in their newborns

• Clinical competencies related to oral health assessment, oral health literacy, oral health promotion interventions, and collaborative partnerships with IP community colleagues and resources

• Strategies for integrating oral health competencies in midwifery program curricula, including Smiles for Life
NYUCN Preceptor Workshop

65 preceptors

- Importance of oral health and nurses’ role in oral health care
- IPE and collaborative practice as a framework for improving oral health outcomes
- Oral health competencies for pregnant woman, infant, child and adult
- Strategies aimed at facilitation the development of nurses’ oral health competencies and implementation of best practices in oral health
University of Louisville Schools of Nursing and Dentistry

- Designed to address Kentucky’s critical gap in access to oral health care

- IPE seminars, web-based clinical learning experiences featuring the Smiles for Life curriculum, and team-based clinical simulation advanced assessment experiences using standardized patients

- A dental school-based Nurse Practitioner primary care consultant promotes interprofessional team-based care
University of Colorado College of Nursing

- HRSA funded interprofessional program at Sheridan Health Services, a nurse-managed health center

- High-quality, team-based medical, dental, and behavioral health care for vulnerable populations

- Care teams will be nurse-led and consist of an advanced practice registered nurse, a physician, a behavioral health professional, a pharmacist and a doctor of nursing practice (DNP) student

- Medical students, pharmacy students, dental students, BSN and NP students will also have an opportunity to participate
Clinical experiences
- Four 8hr interprofessional:
  - Ophthalmology, Cardiology, Dentistry, and Elective

Goals:
- Identify roles and responsibilities of healthcare team
- Recognize need for interprofessional collaboration as part of the overall health care plan

Pre and Post survey-ICCAS
Interprofessional OHNEP Projects Across the Country (36 states)
www.ohnep.org
Oral Health Matters!

Teaching “TOSH” at NYU

Nearly 400 students from NYU’s nursing, dental, and medical programs teamed up for three days to get hands-on training in how to integrate oral health assessment into all aspects of patient care. The educational program, called TOSH (Teaching Oral-Systemic Health), is an interprofessional curriculum that teaches healthcare students team-based ways to prevent and treat oral health problems.

TOSH’s goal is to give health care students the interprofessional skills they need before they begin their careers. The TOSH teaching modules are replicable and designed to be adapted by other health care institutions.

The enthusiastic teamwork of the students was wonderful, and the learning experience even richer than we expected,” says Dr. Judith Haber, associate dean of graduate programs in the NYU College of Nursing, who is leading the TOSH initiative.

TOSH is funded by a three-year, $1.2M Advanced Nursing Education Program grant from the Health Resources and Services Administration.

The New York Nurse-Family Partnership Program Integrates Oral Health!

The New York Nurse-Family Partnership (NFP) Program, a chapter of the National Nurse-Family Partnership Program, empowers vulnerable first-time moms to provide responsible and competent care for their children, and become more economically self-sufficient.

Maternal and child health nurses play an important role in the NFP’s success. Their specialized knowledge helps them to establish trusted relationships with young, at-risk mothers during home visits by providing guidance for not only physical, but also emotional and social challenges, that these first-time moms face as they become parents.

As one of the NFP’s core values is education, OHNEP team members were invited by the New York Department of Health to introduce oral health content for the NFP nurses at their professional development conference. Relevant oral health care is important for high risk pregnant moms and their babies, because it protects a woman’s health and quality of life and reduces their baby’s risk of early childhood caries, the most common chronic disease of childhood. Integration of oral health promotion into Nurse-Family Partnership services will help to prevent oral health problems, thereby improve overall health of the first-time moms and their babies.

OHNEP will be offering interprofessional oral health virtual blended learning tools to NFP state chapters beginning in April with NFP programs in California and Illinois.

Smiles for Life: A National Oral Health Curriculum

OHNEP is pleased to share exciting news about the recent Smiles for Life: A National Oral Health Curriculum (www.smilesforlifeoralhealth.org) update! As oral health is a natural forum for interprofessional education and practice, the Smiles for Life Steering Committee has integrated content related to the IPEC interprofessional competencies in each of the 8 Smiles for Life modules. Modules include: The Relationship of Oral to Systemic Health, includes IP module objectives and content about the IPEC competencies. Each module has an IP case study dedicated to teach and reinforce the oral health focus of each module. An IP Tool Kit is located under the Resources tab with links to national and international IP organizations and their open access classroom and clinical materials.

We invite you to use the Smiles for Life link on our OHNEP website (www.ohnep.org) to access the pioneering addition to this important interprofessional curriculum.

Smiles for Life is endorsed by the following nursing organizations:

- NONPF
- NAIN
- VASV
- AAFN
- AFNP
- GAPNA
- RNP

Dramatic Growth of Interprofessional Oral Health Projects across the U.S.

Since the OHNEP Oral Health Nursing Education and Practice Initiative was launched in 2011, our national interprofessional oral health team has only been growing. Three short years later, more than 40 interprofessional oral-systemic health projects, involving nurses, nurse practitioners, midwives, physicians, physician assistants, dentists and dental hygienists, pharmacists, and other professionals have been launched in 33 states!

Another outstanding program, Interprofessional Collaborative Practice between Nursing and Dental Students via a Technology Enhanced IPE Model Focused on Oral-Systemic Health, developed by the University of Louisville School of Nursing and Dentistry, is funded by an Advanced Nursing Education grant from HRSA. Designed to address Kentucky’s critical gap in access to oral health care, this program, led by the Rush University College of Nursing, was developed for interprofessional students and led to 3 school-based health centers in Chicago that serve children from neighborhoods with high poverty rates, teen pregnancy rates, and perinatal morbidity and mortality rates. The resource consists of the Smiles for Life “Oral Health and the Pregnant Patient” module, ambulatory clinical teaching, and small group discussions regarding interprofessional roles in promoting and addressing oral health in teen pregnancy.

NYU College of Nursing
OHNEP Website Utilization
March 1, 2012 – May 15, 2014

3,726 unique visits in the U.S.
All 52 states

4,031 unique visits worldwide
Smiles for Life: A National Oral Health Curriculum

Smiles for Life is the nation’s only comprehensive oral health curriculum. Developed by the Society of Teachers of Family Medicine Group on Oral Health and now in its third edition, this curriculum is designed to enhance the role of primary care clinicians in the promotion of oral health for all age groups through the development and dissemination of high-quality educational resources.

For Individual Clinicians

We’ve made it easy for individual physicians, physician assistants, nurse practitioners, students, and other clinicians to access the curriculum and learn on their own time and at their own pace. Each of the courses is available online. Free Continuing Education credit is available.

For Educators

This curriculum format can be easily implemented in an academic setting. Included is a comprehensive set of educational objectives based on the Accreditation Council for Graduate Medical Education (ACGME) competencies, test questions, resources for further learning, oral health web links, an implementation guide, and detailed module outlines.

Answering the Call: Joining the Fight for Oral Health

Watch this informative and inspiring video which outlines both the challenge and progress in improving oral health as a vital component of effective primary care. Click the full screen icon in the bottom right hand corner of the video thumbnail to view it full-sized. This video is approximately seven minutes in length.

An extended version (21 minutes) of this documentary is also available.
Nursing Endorsers
SFL Website Registered Users by Profession

**2012**
- Physician Assistant: 28%
- Nurse or NP: 21%
- Dentist: 4%
- Other: 18%
- Hygienist: 3%
- Assistant: 1%

**2013**
- Physician Assistant: 18%
- Nurse: 33%
- Dentistry: 12%
- Physician: 23%
- Other or N/A: 14%

*Data provided by the Harder&Co*
CE Registered Users Compared to Total Registered Users (2013)

Data provided by the Harder&Co
Interprofessional Education Between Dentistry and Nursing: The NYU Experience

Judith Hoban, ARPN, PhD; Andrew J. Spakman, DMD, MS, PhD; Mark Wolk, DDS, PhD; and Donnie M. Sharley, MD, MPH

ABSTRACT In 2005, New York University College of Dentistry and Nursing formed an organizational partnership to create a unique model of interprofessional education, research, service and practice. This paper describes the first eight years of experience, from the early reaction of the public to the partnership, to examples of success and past and current challenges.

INTERPROFESSIONAL EDUCATION

The oral-systemic connection in primary care

By Judith Hoban, ARPN, PhD; Lurleen Anderson, MS; and Carol DeStefano, BSN

The early and comprehensive care a dentist provides in your dental office is of great importance. Preventing the development of disease and the progression of oral and systemic conditions requires the care provided by the dental practitioner. The role of the dental team is critical to the maintenance of a healthy mouth.

The dental office is the perfect setting for the early detection of disease. By the time a disease becomes self-evident, it is often too late to prevent the progression of the disease. In addition, many systemic conditions require the early detection of disease in order to prevent serious adverse outcomes.

The role of the dental team is critical to the maintenance of a healthy mouth.
Evaluation

• Smiles for Life Module Utilization
• Faculty Development
• Documentation of Oral Health Curriculum Integration
• Documentation of IP Oral Health “Best Practices” in EHR

Primary Care
- Hx
- PE
- Risk Assessment
- Action Plan
- Referrals

Acute Care
- Compliance with Oral Health Best Practice Standards
- VAP Risk Reduction
- Caries Risk Reduction in Hi-Risk Patient Population
Evaluation

• Dissemination
  ➢ Publications
  ➢ Presentations
  ➢ Grants
  ➢ Appointment

• Standardized Inclusion of IP Oral Health Content and Competencies
  ➢ Licensure
  ➢ Accreditation
  ➢ Certification
  ➢ Education
  ➢ Practice

• Change in IP Competency Attainment
Challenges

• Obtaining Key LACE Stakeholder “Buy-In”
  ➢ Curriculum
  ➢ Clinical Competencies
  ➢ Licensure
  ➢ Certification
  ➢ Accreditation

• Sustainability

• Standardizing Replicable National Nursing/IP Model

• Evaluation

• Preventing Innovation Fatigue
IP Oral Health Collaboration – It Takes a Village