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## Background

The Oral Health Nursing Education & Practice (OHNEP) initiative develops, implements, and evaluates the impact of a replicable model for integrating interprofessional oral health competencies through faculty development and curriculum integration in graduate nursing programs.

Based on the IPEC, HRSA, and NONPF competencies, OHNEP has developed the Interprofessional Oral Health Faculty Toolkit (the Toolkit), an innovative, web-based, open source, and turn-key product that allows easy “weaving” of teaching-learning strategies and clinical experiences into the Adult-Gerontology Primary Care NP curriculum.

The Toolkit may serve as a starting point for faculty to build interprofessional oral health workforce capacity to prepare for accreditation, improve oral health access, reduce disparities, and enhance the oral and overall health of the older adult community.

## HEENT to HEENOT

- The Toolkit provides an educational and clinical innovation that transitions the traditional head, eyes, ears, nose, and throat (HEENT) examination to the addition of the teeth, gums, mucosa, tongue, and palate examination (HEENOT) for assessment, diagnosis, and treatment of oral-systemic health.
- Many NYU nursing, dental and medical faculty and students have been exposed to the interprofessional oral health HEENOT classroom, simulation, and clinical experiences, which has been associated with increased dental-primary care referrals.



## How to Use the Interprofessional (IP) Oral Health Faculty Toolkit

- Read “Putting the Mouth Back in the Head: HEENT to HEENOT” (Haber et al., 2015\*) to understand the importance of including the oral exam as an integral part of every health assessment
- Identify oral health champions to advocate necessity of including oral health as a standard component of education and clinical practice
- Implement faculty & preceptor development workshops where oral health champions can teach other educators how to assess, manage, educate and refer patients for oral treatment
- Choose assignments from the A-GNP Primary Care template that fit in with existing course content

## Curricular Templates

	1) EXPOSURE: INTRODUCTION	2) IMMERSION: DEVELOPMENT	3) COMPETENCE: ENTRY-TO-PRACTICE
<b>A-GNP Curricular IP Integration of Oral Health Competencies in Health</b>	<b>KNOWLEDGE: ORAL EXAM</b> Goal: Understand the oral exam Complete Smiles for Life Module #7	<b>SKILL/BEHAVIOR</b> Goal: Describe best practices in dental caries management across the lifespan Read: CAMBRA: Best Practices in Dental Caries Management (Hurlbutt, 2011)	<b>SKILL/BEHAVIOR</b> Goal: Demonstrate integration of HEENOT competency in physical exam of adult in clinical experience •Read Putting the Mouth Back in the Head (Haber et al, 2015) •Perform oral exam of adult in clinical
	<b>KNOWLEDGE: ORAL CARE OF ADULT</b> Goal: Understand issues in oral care of adults Complete Smiles for Life Modules #1, 3, 5	<b>SKILL/BEHAVIOR</b> Goal: Demonstrate integration of HEENOT in simulation lab of adult Present EHR of adult with oral health included in history, risk assessment, exam and plan	<b>SKILL/BEHAVIOR</b> Goal: Demonstrate integration of HEENOT competency in health history of adult in clinical Perform appropriate oral health history of adult, incl frequency of sugar/tobacco/alcohol intake
	<b>KNOWLEDGE: ORAL CARE OF OLDER ADULT</b> Goal: Understand issues in oral care of older adults • Complete Smiles for Life Module #8 • Watch Geriatric Oral Health Webinar Series (NICHE 2014)	<b>SKILL/BEHAVIOR</b> Goal: Demonstrate integration of HEENOT during simulation lab of older adult Present EHR of older adult with oral health included in history, risk assessment, exam and plan	<b>SKILL/BEHAVIOR</b> Goal: Demonstrate integration of HEENOT in oral health assessments of older adult in clinical Perform oral health history, physical exam and complete risk assessment of older adult, with accurate documentation of oral health findings

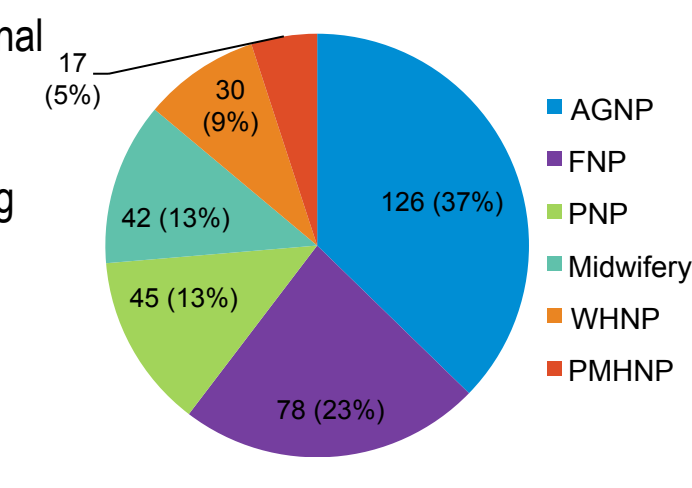
	1) EXPOSURE: INTRODUCTION	2) IMMERSION: DEVELOPMENT	3) COMPETENCE: ENTRY-TO-PRACTICE
<b>A-GNP Curricular IP Integration of Oral Health Competencies in Health</b>	<b>KNOWLEDGE: ORAL HEALTH EDUCATION</b> Goal: Understand oral disease & role nurses can play in oral care Read The Primary Care Visit: What Else Could be Happening? (Fulmer & Cabrera, 2012)	<b>SKILL/BEHAVIOR</b> Goal: Critically evaluate current oral health research in the media Find news story on oral health and evaluate its accuracy by searching evidence-based literature	<b>SKILL/BEHAVIOR</b> Goal: Advocate for oral public health within your community Identify oral health advocacy organization in your state, access your state's resource page and identify oral health issues in your community; join discussion
	<b>KNOWLEDGE: ORAL HEALTH MAINTENANCE</b> Goal: Understand importance of maintaining oral health through lifespan Read Maintaining Oral Health Across the Life Span (Jablonski et al, 2014)	<b>SKILL/BEHAVIOR</b> Goal: Develop primary care oral health literacy program for adults Plan with dental students an evidence-based oral cancer screening program for smoking adults	<b>SKILL/BEHAVIOR</b> Goal: Advocate for smoking cessation in smoking adults Engage smoking adults in evidence-based smoking cessation program
	<b>KNOWLEDGE: ORAL-SYSTEMIC CONNECTION</b> Goal: Understand relationship between oral and systemic health Read Systemic Diseases and Oral Health (Tavares et al, 2014)	<b>SKILL/BEHAVIOR</b> Goal: Develop primary care oral health literacy program for older adults Develop evidence-based nutrition and oral health education program with dental students for older adults	<b>SKILL/BEHAVIOR</b> Goal: Identify Medicaid and sliding scale dental clinics Develop list of dental providers in the area to whom you can refer patients who accept Medicaid or sliding scale

	1) EXPOSURE: INTRODUCTION	2) IMMERSION: DEVELOPMENT	3) COMPETENCE: ENTRY-TO-PRACTICE
<b>A-GNP Curricular IP Integration of Oral Health Competencies in Primary</b>	<b>KNOWLEDGE: ADULT WITH CHRONIC DISEASE</b> Goal: Recognize oral health manifestations of chronic diseases in adults Read The association between celiac disease, dental enamel defects and aphous ulcers in US cohort (Cheng et al, 2010)	<b>SKILL/BEHAVIOR</b> Goal: Provide comprehensive health maintenance services to adults with chronic diseases Develop care for patient with either GERD or CVD and include HEENOT in history, risk assessment, exam and plan	<b>COLLABORATIVE CASE STUDY</b> Goal: Collaborate interprofessionally on adult chronic disease case with oral health needs A-GNP and dental students to collaborate on developing a management plan for adult with Celiac Disease
	<b>KNOWLEDGE: ADULT WITH INFECTIOUS DISEASE</b> Goal: Recognize oral health manifestations of STIs in adults Read Oral Manifestations of Sexually Transmitted Infections (DePaola, 2013)	<b>SKILL/BEHAVIOR</b> Goal: Identify oral manifestations of infectious diseases in adults Choose one STI, post photo of oral manifestations and lead discussion in class on its oral manifestations	<b>COLLABORATIVE CASE STUDY</b> Goal: Collaborate interprofessionally on adult infectious disease case with oral health needs A-GNP and dental students to collaborate on developing a management plan for adult with STI and oral health needs
	<b>KNOWLEDGE: OLDER ADULT PRIMARY CARE</b> Goal: Recognize oral health needs of older adults Read Reducing care-resistant behaviors during oral hygiene in persons with dementia (Jablonski et al, 2011)	<b>SKILL/BEHAVIOR</b> Goal: Provide comprehensive health maintenance services to older adults Collaborate together on diabetes case study	<b>COLLABORATIVE CASE STUDY</b> Goal: Collaborate interprofessionally on geriatric case with cognitive decline and oral health needs A-GNP and dental students to collaborate on developing a management plan for case studies of older adults with cognitive decline and oral health needs

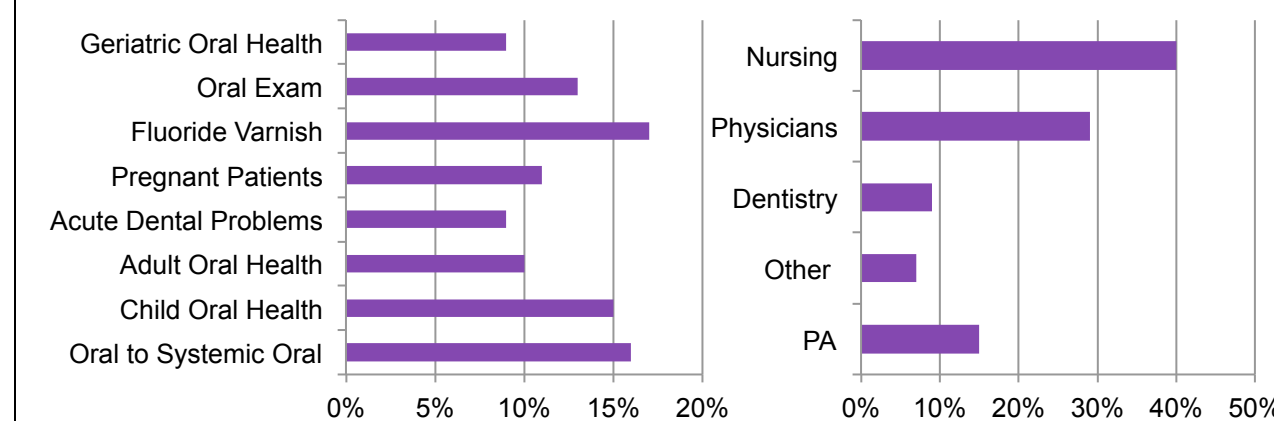
## Online Adult-Geriatric Primary Care Oral Health Education

### Interprofessional Oral Health Faculty Toolkit Downloads Mar 2015- Aug 2015

Since launching the Interprofessional Oral Health Toolkit, the A-GNP template remains the most heavily downloaded template, representing 37% of all template downloads. Furthermore, it is the most heavily downloaded resource available on OHNEP, representing 26% of total download volume.

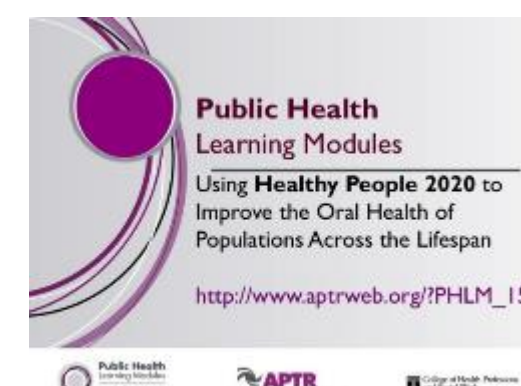


### Smiles for Life Course Completion for CE Credit Jan 2015-June 2015



In the first two quarters of 2015, geriatric oral health represented 9% of all of the completed Smiles for Life courses. Of all Smiles for Life registered CE users, nursing represents the majority at 40%.

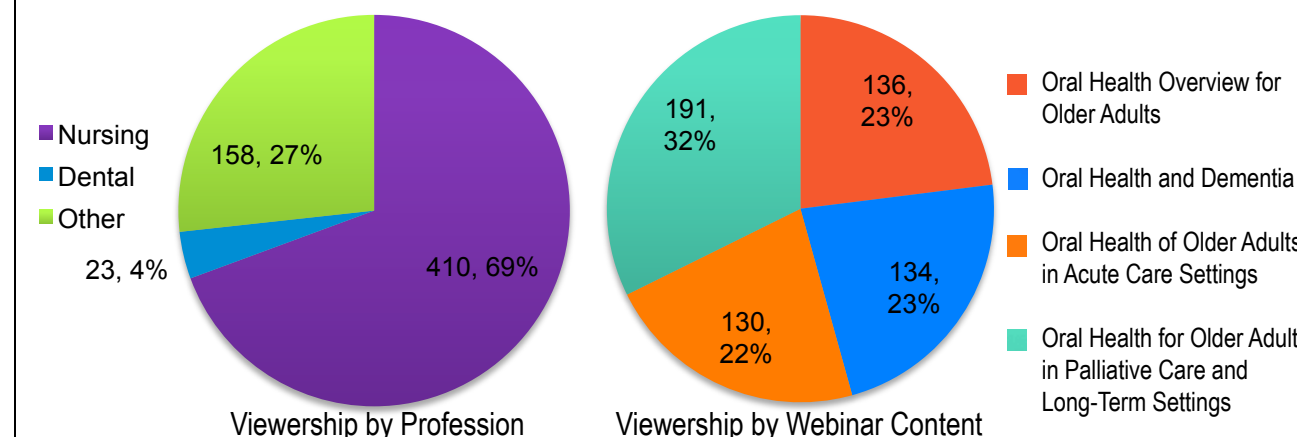
### Healthy People 2020 Public Health Learning Module



- Part 1: Intro and Oral-Systemic Health
- Part 2: Oral Health for Pregnant Women and Their Newborns
- Part 3: Oral Health in Childhood
- Part 4: Oral Health and Older adults
- Part 5: Oral Health Literacy

The 5-part Oral Health Module is the fourth (out of seventeen) most popular Public Health Learning Module. Between Jan '14- Aug '15, 168 users registered to receive CE credit.

### Oral Health For Older Adults Webinar Series Viewership



Almost 600 students and professionals from nursing, dental, and other healthcare professions viewed the four-part geriatric webinar series. The Oral-Health Webinar Series is a collaboration between OHNEP, Hartford Institute for Geriatric Nursing, and Nurses Improving Care for Healthsystem Elders (NICHE).

## Curricular Integration: NYU Experiences

### The NYU Nursing Faculty Practice's Elder Care Program

- NYU Adult-Gerontology Primary Care NP students and dental students engage in oral health community outreach work
- NP students teach seniors about denture care, diabetes self-management, nutrition, and other topics
- Dental students assist with dental screening for complex older adults and access to needed dental care in the Dental School clinics



NP and dental student preparation for this program:

- NP students spend two mornings in the NYU Dental Clinic perfecting oral health exams
- NP students provide peer instruction to dental students in how oral health and overall health are interconnected
- Joint presentation of a medically complex person requiring oral care

### Course Integration into Advanced Certificate NP Program in Gerontology

- Integration of oral health competencies in primary care
- Completion of Smiles for Life modules: Oral to Systemic Health; Oral Health Exam; Geriatric Oral Health
- Didactic session led by nursing and dental faculty in interprofessional course for post-master's NP and medical resident trainees

### Course Integration into Palliative Care NP Curriculum

- Advanced Health Assessment and Common Health Problems courses incorporate completion of Smiles for Life modules pertaining to the oral-systemic connection and the oral exam
- Readings and didactic content include oral cancer, oral thrush, herpes simplex, and other oral conditions with systemic connections
- Class devoted to oral palliative care and symptom management. Students present on oral care and common oral conditions at the end of life, such as xerostomia, bleeding, oral self-care deficits, treatment-induced mucositis.

## Suggestions for Future Dissemination through GAPNA

- Add Oral Health within GAPNA's Clinical Research Corner
- Add Oral Health in the GAPNA Toolkit of Gerontology Resources for Advanced Practice in two sections: (1) Faculty Resources for Gerontological Education and (2) Preceptor Resources and Guidelines