A Path Forward – Recommendations for Future Oral Health Education



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Closing the Divide: Integrating Medical and Dental Health Care

Des Moines, Iowa ~ Nov 2019



Disclosure

- I have no relationships to disclose.
- The research in this presentation is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number UH1HP29962, titled Academic Units for Primary Care Training and Enhancement for grant amount \$3,500,000. This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government.





ILLUSTRATION / DAVE CUTLER



Objectives

Upon completion of this session, participants should be able to:

- 1) Understand what model programs do to effectively develop and teach oral health
- 2) Utilize national resources for teaching oral health
- 3) Implement a full spectrum oral health curriculum complete with a new tool for evaluating















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HRSA Cooperative Agreement: UH1HP29962

Year 1 of 5 – National Surveys - Methodology

- Electronic surveys were distributed nationwide to 13 primary care disciplines
- Analyses were conducted with programs that had at least a 40% response rate (10 of 13 disciplines)



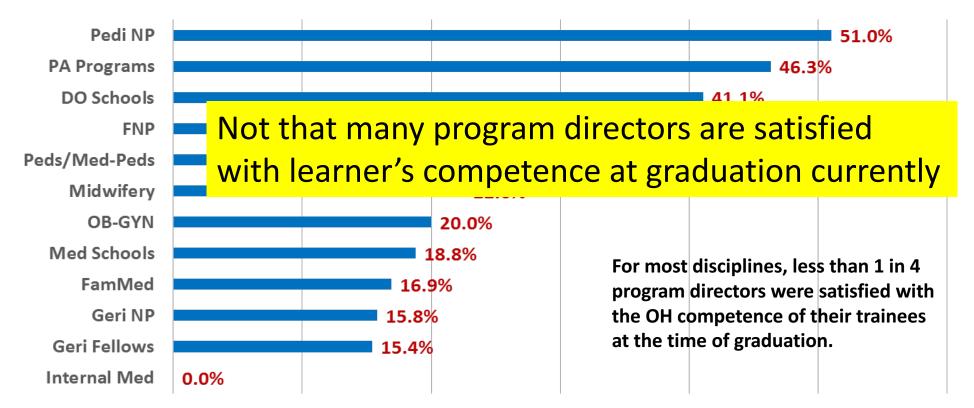
Hours of Oral Health Education

Most disciplines have 1-3 hours of OH; OB and IM more frequently report 0 hours while almost one-third of PA programs include > 9 hours.





Program Director's Satisfaction with Graduate Competence in OH



*Percent of combined responses to "agree and strongly agree" in one question



OH Analysis of Relationships within Programs of <u>Having an OH Champion</u> and: <u>Satisfaction with OH Competence of Graduates</u>, <u># of Hours of OH in Curriculum</u>, and <u>Existence</u> <u>of Relationship between Program and Dental School</u>, Residency or Hygiene Program

	Fam Medicine	Peds/Med- Peds	Geriatric Fellowships	Midwifery	PNP	AGPCNP	FNP	PA Schools	DO Schools
OH Champion x Satisfaction w/ OH Competence of Graduates	A	V	Å				V		
OH Champion x # Hours of OH in Curriculum		Oral H	lealth	Cham	pions	matter	r!		
	V	v	v	Dordenine	v	v	V	V	
OH Champion x Existence of Relationship between Program and Dental School, Residency or Hygiene Program		V	A		V	A	V		

* √indicates a p value significance of <.05

- 4 of the 9 disciplines that had an OH champion also had significantly more satisfaction w/ OH competence of graduates
- 7 of the 9 disciplines that had an OH champion also had significantly more hours of OH in their curriculum
- 5 of the 9 disciplines that had an OH champion also had a formal relationship between the program and a dental school, residency or hygiene program



Year 2 of 5 – Qualitative Interviews of Programs/School with Robust Curricula

- 31 primary care training programs that had self-identified as "best practice" oral health programs participated in a 1-hour interview (inclusive of all 13 primary care disciplines)
- Qualitative analysis of the 31 interview transcripts



Year 2 – Quotes

- <u>On borrowing material for others</u>: "There is no sense in reinventing the wheel when the wheel is like a Cadillac." (referring to the SFL curriculum) – PA Assistant Program Director
- <u>On Barriers</u>: "The biggest barrier is always competing priorities. To get to a point where our faculty felt oral health had the same parity as many other things we teach . . . , it definitely took some influence-building and knowledge-building on everybody's part." Fam Med Res Dir (FMDR)
- <u>Lessons Learned:</u> "It ought to be right in the mix with everything else and be treated as business as usual rather than a special thing. If we get to that place, we've succeeded." FMDR



Lessons learned – Year 2:

- Need a **champion** passion; some funding; energy > expertise
- Need some **leadership buy-in**; the higher up, the better
- Maximize local resources by working with academic or communitybased local dental professionals; e.g., dentist, dental hygienist
- Maximize regional resources; e.g., oral health coalitions, AHEC
- Maximize national resources; e.g., Smiles for Life
- Does not take long to achieve success; oral health curricula can be accomplished with limited or no funding
- **Missing components** in many programs **OH objectives** tied into broader learning objectives; **evaluation** again, borrow these!



Champion Grooming

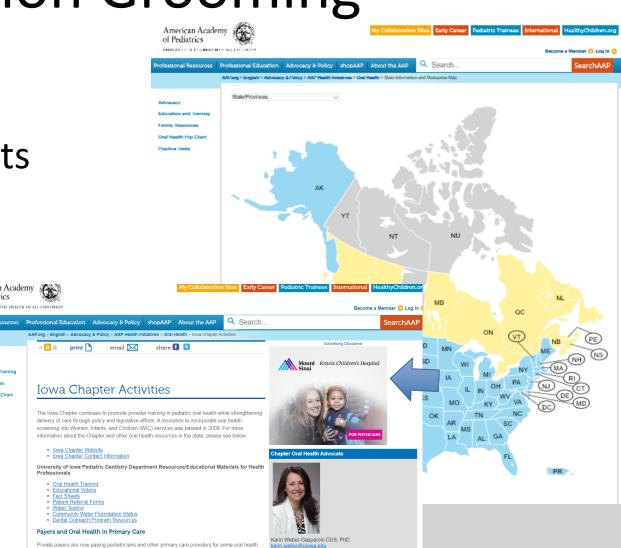
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ducation and Training

ral Health Flip Char

- AAP state champions
- PA model micro grants
- School/Professional organization leader development
- HRSA faculty grants



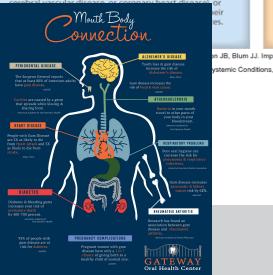


Leadership Influencing

- Show the numbers
 - Nationally
 - locally
- Tell the stories
- Link to medical issues
- Chance for IPE

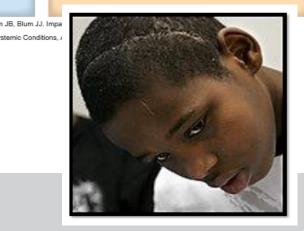


Significant annual cost savings are possible when individuals with certain chronic diseases (diabetes,



Treating Gum Disease Reduces Hospital Admissions

Significant decreases in annual hospitalizations are possible when individuals with certain chronic diseases received dental treatment for their gum disease, after accounting for the effect of diabetes.





Finding Local Resources

- Oral Health Coalition
- District Dental & Dental Hygiene Societies
- Dental schools/programs
- Community dental providers
- AHEC, DPH, ...





Promoting National Resources

- Smiles For Life
 - Examples on site
- AAP PACT
- MedEdPortal
- prenatal Oral Health
 Program (pOHP)
- Tiny Teeth AAP





Other resources - DynaMed

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Other Conditions	>	

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Other resources - Epocrates

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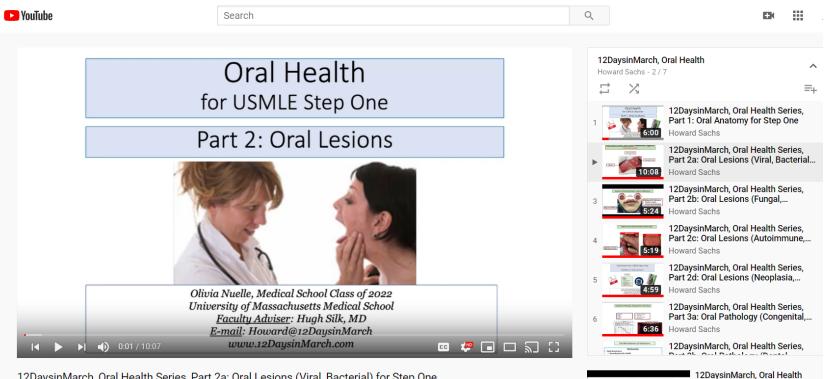
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Anesthetics, Oropharyngeal	>	Solum Flur Rinse sodium fluoride denta	al
Antisialogogues	>	Section PreviDent Sodium fluoride denta	al
Candidiasis, Oropharyngeal	>	PreviDent 5000 D sodium fluoride denta	
Cold Sores, Topical	>	PreviDent 5000 P sodium fluoride denta	
Dental Caries	>	PreviDent 5000 Se sodium fluoride/potas	
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Mucositis/Stomatitis/Oral Wounds	>	B× sodium fluoride denta	
. ,		$\underset{\scriptscriptstyleRx}{\overset{\scriptstyle\frown}{\longrightarrow}}$ sodium fluoride	
Xerostomia	>	Gel-Kam Rinse	ntal

→ Formulary Tufts Health Together Ma...



USMLE Step 1 Review – Oral Health

Series, Part 2b: Oral Lesions..



12DaysinMarch, Oral Health Series, Part 2a: Oral Lesions (Viral, Bacterial) for Step One



Funding – local and national

- Dentaquest
- HRSA
- Delta Dental
- Arcora
- Internal grants
- Smiles for Life



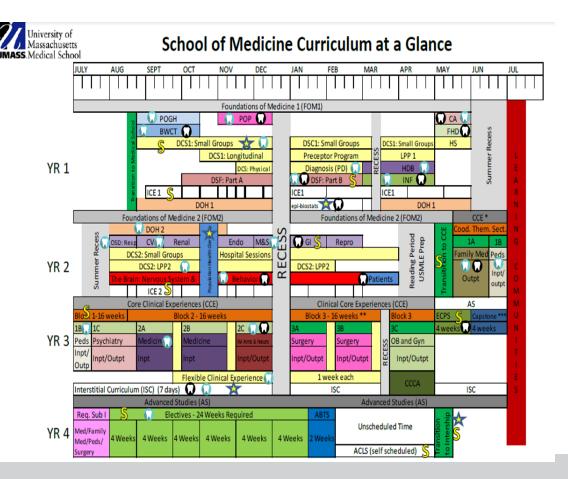
DentaQuest



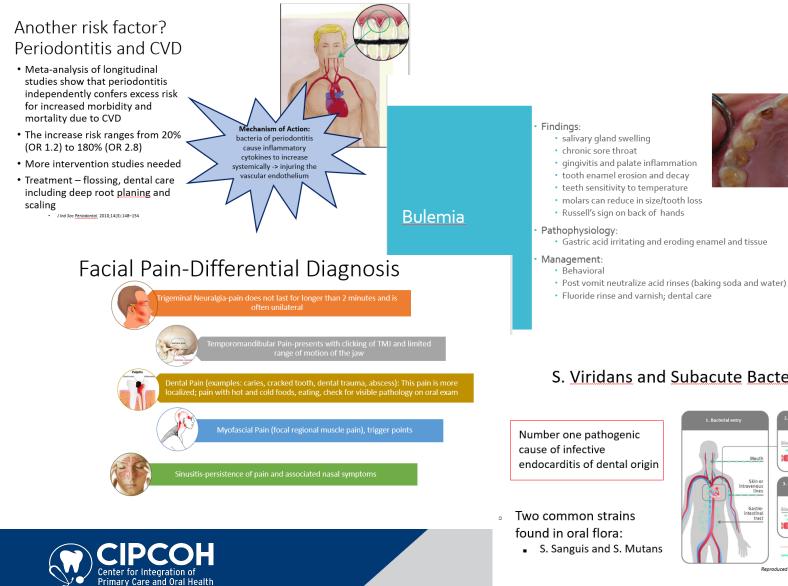


Approach to Ideal OH Curriculum

- Spiral Curriculum
- Oral Health Day
- Oral Health Week
- Electives
 - 1 day, 1 week, 1 month
- IPE/IPP
- Student project(s)

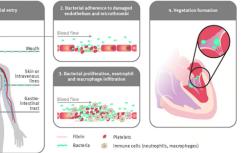








S. Viridans and Subacute Bacterial Endocarditis



Reproduced with permission from: BMJ Publishing Group Ltd. BMJ 2017;358:j3942 Figure 1

Evaluation



Q11. Please indicate the key OH topics that are covered for all learners in your curriculum (CHECK YES FOR ALL THAT APPLY):

- Smiles for Life examples
 - OSCEs
- CIPCOH tool

Course 3: Adult Oral Health and Disease



🕒 What is the diagnosis?

What would you do?

A Product of:

■BACK NEXT►

• STFM

Instructions: For each image click the 🔁 button to reveal both the diagnosis and the proper treatment



What Would You Do?

What would you do?

Brad Neville DDS



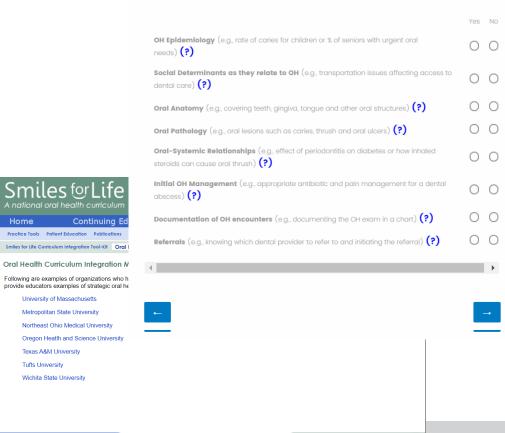
Joanna Douglass BDS DDS



Brad Neville DDS



Joanna Douglass BDS DDS



A Product of: Endorsed by:

Smiles for

Home

A national oral health curricul

University of Massachusetts Metropolitan State University

Texas A&M University Tufts University

Wichita State University

Northeast Ohio Medical University



HVSICIAN ASSISTANT





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Thank You! Hugh Silk, MD, MPH <u>hughsilk@umassmed.edu</u>





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