Systematic Screening and Assessment of 25 Oral Health Workforce Innovations

David Krol, MD, MPH, FAAP, *Senior Program Officer* April 2013



Overview

- Introduction
- The SSA Method
- Key Findings
- Next Steps
- Acknowledgments



Introduction

Dental Health Aides and Therapists in Alaska

Editors' Introduction

How to deliver health care services to people |

challenge to health policy planners. One way,

highly trained professionals will locate in rem-

professionals from rural areas in the expectation

rural location after completing their training.

health professionals who are more likely to see

approach that the Robert Wood Johnson Fou

the professions of nurse practitioners and phy

expected to practice in underserved, especially

limited amount of training to members of the

services to their neighbors. This model is used

famously with China's barefoot doctors, and 1

Alaska is a huge state with inhospitable terrain

by planes flown by bush pilots (and even ther

in). Moreover, the health of its inhabitants, pa

the very lowest in the nation. Tooth decay, wl

people generally, is an especially critical probl lack of dentists who live in or visit remote cor

To remedy the problem, the Rasmuson Found Foundation, instituted a program to train a ne

therapists. Students received two years of train

the concept of dental therapists, and then retu basic dental services. This aroused the ire of th

Dental Association, who sued to put a stop to

trained individuals practicing dentistry. The aftereffects of the conflict between

SARA SOLOVITCH

Chapter Six, excerpted from the Robert Wood Johnson Foundation Anthology: To Improve Health and Health Care, Volume XIV

Health no Health Care

Edited by Stephen L. Isaacs and David C. Colby Published 2011

Ralph R



1 Dental Health Aids and Therapists in Alaska

Community-Based PIPELINE **Dental Education** & PRACTICE

Participating Dental Schools

Click on the location below to learn more about each of the Dental Pipeline : Pipeline activities.



Summer Medical and Dental **E**ducation **P**rogram Who's Eligible Program Sites FAQ How to Apply Alumni Multimedia En Español Compare SMDEP Programs Summer Medical and Dental Education Program (SMDEP) is a FREE (full tuition, housing, and meals) six-week summer academic enrichment program that offers freshman and sophomore college students intensive and personalized medical and dental school How to Apply on. More >> Program Offerings Include: **Program Sites** Academic enrichment in the basic sciences (organic chemistry, physics, biology) and pre-calculus/calculus Alumni: Stay in Touch Case Western Reserve University Columbia University Duke University Alumni: Program Resources loward University Jniversity of California-Lo Career development Learning-skills seminar Angeles UMDNJ-New Jersey Medica Pre-Health Advisors and New Jersey Dental University of Louisville University of Nebraska Limited clinical exposure · A financial-planning worksho niversity of Virginia niversity of Washingto niversity of Texas-2012-2013 SMDEP Application is open, for the 2013 summer session! Yale Uni ersity 2013 SMDEP Travel Scholarship SMDEP Outreach Events What are students saying about the SMDEP program? SMDEP Alumni SMDEP on Facebook SMDEP on Twitter The seminars and the clinical shadowing experience were legit. I learned about sporting the seminary of the seminary administrators and make great contacts. The enrichment courses were so worth of the enrichment courses were so worth of the and other BCAT. This part Mey I he all and the BCAT. This part Mey I he fail and the BCAT. This part Mey I here and the seminary of the seminary networks at every medical school I could not and was accepted. Lattribute most— flow all were accepted. Lattribute most— flow I and the BCAT. The part Mey I here a seminary the seminary here a seminary school I and the seminary the seminary and the seminary and the seminary seminary here a seminary Alumni News View profiles from past alumni! Educational Resources Resources related to medi dentistry, and other health profe Stay in Touch Please take a few minutes to update us on your current contact information and educational status. SMDEP National Alumni Advisory The SMDEP national alumni advisory board advises the National Program Office (NPO) on enhancing alumni engagement, identifying opportunities I reach the program's target population, and overall program activities. Inspiration, motivation, and the intelling friends I gamered pushed me to the nex level. I could not be as successful withou SMDEP. Even if you find out medicine is for you during the program, it is not an opportunity to pass up." Nelvin Acevedo Valle, SMDEP Case lestern Reserve University (SMDEP 2010) SMDEP Alumni Events Access the presentations from session: on topics that discussed Health Care Disparities and Policy, Financial Planning, and Career Development. "Wy most profound clinical experience took place while making rounds with an emergency room physician. I was introduced to the hectic yet fulfiling atmosphere behind the scenes of a hospital emergency room. This clinical rotation fostered an environment that humbled me SMDEP Ambassadors SMDEP Ambassadors are past participants who volunteer to recre eligible SMDEP applicants to the program. All program alumni are encouraged to become Ambassado fostered an environment that humbled me to the idea of becoming a physician. I witnessed the dedication and selfless acts of practicing physicians as they frantically worked to save lives."

SMDEP Multimedia

http://www.smdep.org/start.html4/14/2013 2:02:57 PMI

SMDEP-Summer Medical and Dental Education Program



Focus of the Project

- Identify workforce innovations and models that increase access to preventive oral health services:
 - Dental providers in non-dental settings
 - Non-dental providers in non-dental settings
 - New types of dental professionals
 - Innovative preventive practices in traditional dental settings.



The SSA Method

Nominations of Innovations and Models

Expert Panel

Evaluability Assessments

Expert Panel

Innovations for

Rigorous

Evaluation

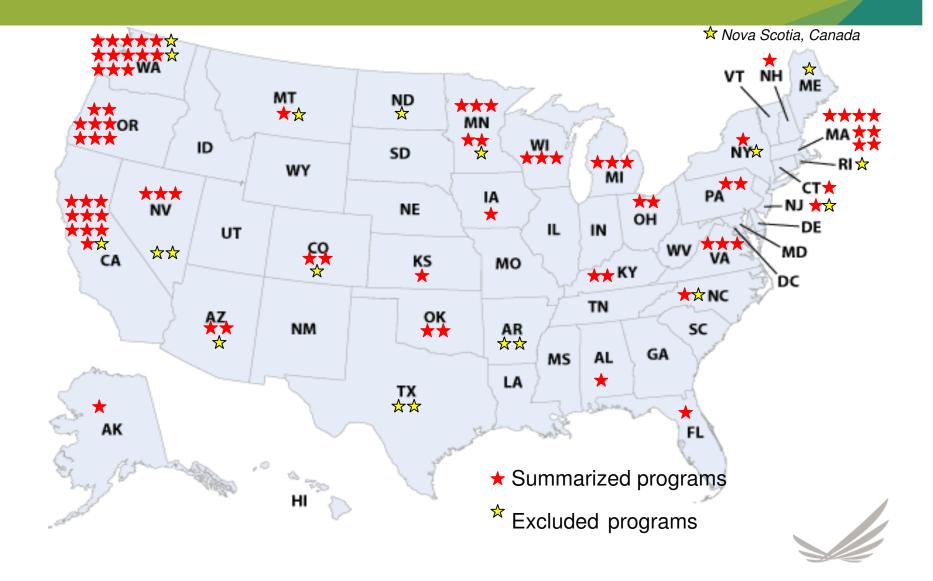


Nomination Process

- Solicited from national, state, local organizations
- Eligibility criteria:
 - Currently implemented for at least 6 months
 - Not rigorously examined with an outcome/impact evaluation
 - Suitable for implementation and replication in similar settings or population
- If questions, contacted program staff for more info



Nominations Received

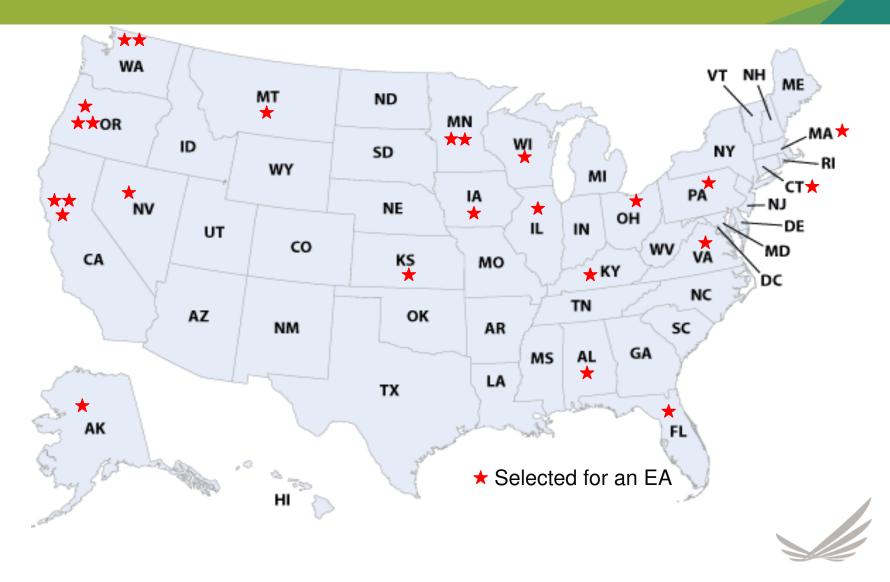


First Expert Panel Review

- 19 dentists, dental hygienists, public health practitioners with expertise in oral health prevention services, oral health workforce, and evaluation
- Rated 80 programs through blind review process based on:
 - Potential impact
 - Plausibility of health effect
 - Reach to target population
 - Acceptability to stakeholders
 - Feasibility of implementation

- Sustainability of innovation
- Generalizability
- Feasibility of Adoption
- Organizational capacity to participate in and use information from an EA
- Developed list 25 programs prioritized for evaluability assessment

Innovations Selected for Evaluability Assessment



Evaluability Assessment (EA)

• 2 ¹/₂ day EA site visit

- Interviews with 9 12 program stakeholders
- Gain understanding of program history, goals, staff roles, implementation, data collection sources, activities
- Collaborative revision of logic model

• Post-EA site visit

- Detailed summary report to share with site
- Follow-up TA call to review summary report, refined logic model, recommendations



Second Expert Panel Review

- Reviewed reports and logic models from evaluability assessments of site visits
- Prioritized innovations ready for and worthy of rigorous, outcomes-focused evaluation
- Brainstormed evaluation questions and designs



Key Findings

12

- Combine workforce with strategies that engage populations with history of poor access to services
- Provide consistent, standardized training for individuals taking on new, expanded roles
- Provide preventive care in an environment familiar to children and families to serve as a point of entry
- When integrated with primary care or community settings, establish strong referral relationships with providers who treat young children/accept Medicaid

Patient navigation and case management

Future Evaluation Strategies

- Examine how community engagement changes perception and interest in oral health care among populations that face barriers to access
- Review longitudinal trends in decay reduction through patient chart level data, clinical notes, and claims data
- Explore cost and benefits of providing preventive care in community settings and integration of oral health into primary care



Value Added to Oral Health Field

- Contributed to field of inquiry in oral health policy, reimbursement, scope of practice, and access to care
- Provided potential for practice-based evidence
 - If evaluations show effectiveness, sound models for dissemination and replication
- Assisted stakeholders with program design, implementation, and readying innovations for more rigorous outcomes-focused evaluation
- Upcoming synthesis of what was learned



Acknowledgments

- All program staff and stakeholders who participated in EAs
- Expert Panel
- ICF International





David Krol, MD, MPH, FAAP dkrol@rwjf.org

