

# Impact of Interprofessional Learning Between Dental Public Health & Pediatric Dentistry Residents to Shift Mindsets and Career Choice

National Oral Health Conference Roundtable

April 16th, 2024

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# Our Story



**DENTAL PUBLIC  
HEALTH**



**CROSS-CURRICULAR  
LEARNING**



**PEDIATRIC  
DENTISTRY**



**IMPROVE THE ORAL HEALTH OUTCOMES  
OF VULNERABLE, UNDERSERVED, AND  
RURAL CHILDREN IN CALIFORNIA**

# Our Goal



The overall goal of the UCSF Open Smiles Collaborative is to improve the oral health of vulnerable, underserved, and rural children in California by expanding and enhancing our post-doctoral training programs in Pediatric Dentistry (PD) and Dental Public Health (DPH) at UCSF School of Dentistry.



# Prior Challenges

- private practice mindset
- shortage in rural areas of pediatric dental providers
- need to incorporate public health into the mindset of pediatric providers
- health centers
- health departments



# Interprofessional Cross-learning Courses

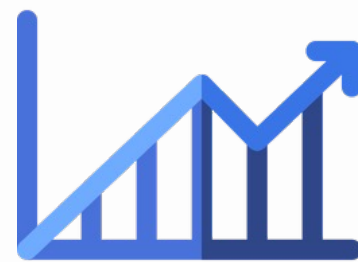
Cross-learning courses for PD and DPH trainees



**DPH420: Oral Health Integration**



**DPH420: Virtual Dental Home Workshop**



**DPH430: Quality Improvement**



**DPH440: Introduction to Public Health**



**PD440: Pediatric Dentistry for DPH**



DPH residents



PD residents







# DPH 420: Oral Health Integration

- History of FQHCs/CHCs
- Professional differences and interprofessional work
- Models of Medical-Dental Integration
- Teaching interprofessionally
- How to implement CRA/CRA alternatives
- Referral systems
- Analyzing a practice's readiness for change
- Clinic readiness assessment of next site
- Managing barriers//mitigation strategies
- Advocacy as a means of facilitating integration
- Using data to fuel continued QI





# DPH420 OHI: Challenges

- Scheduling the OHI Workshops



# DPH420 OHI

“It was interesting to hear the perspective of a pediatrician and level of knowledge that medical students/trainees receive.”

**PD Trainee Exit Survey 2021-2022**







# DPH 420: Tele-Dentistry/Virtual Dental Home

- Exposure to the evolving landscape of dentistry
  - Review charts (Pediatric trainees)
  - Develop quantitative and QI projects (DPH trainees)
  - Participate in rotations to school site (PD/DPH trainees)
  - Collaborate with schools





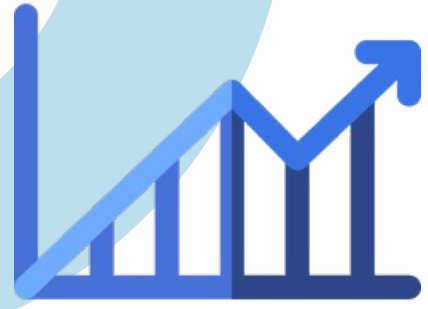


# DPH420 VDH: Challenges

- Selling the importance/relevance of tele-dentistry as a new model
- Getting students to participate/be interested



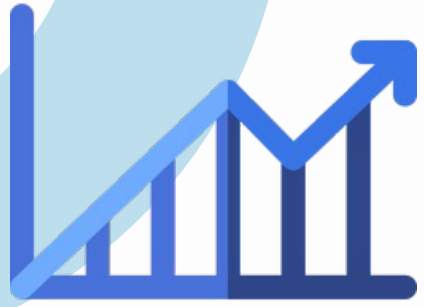




# DPH430: Quality Improvement

- Topics:
  - History of QI in dentistry
  - Introduction to Triple Aim for Populations
  - Interpreting Data: Run Charts, Control Charts, and Other Measurement Tools
  - Leading Quality Improvement
  - Introduction to Patient Safety
  - Root Cause Analysis and Actions

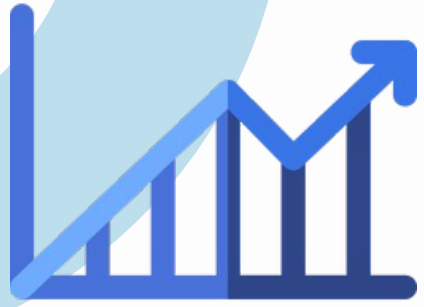




# DPH430: Challenges

- Finding QI mentors
- Finding clinically relevant projects
- Access to data





## DPH430

“They helped us to shift gears and consider things from a non-clinical perspective and the impacts of community influences on individual behavior.”

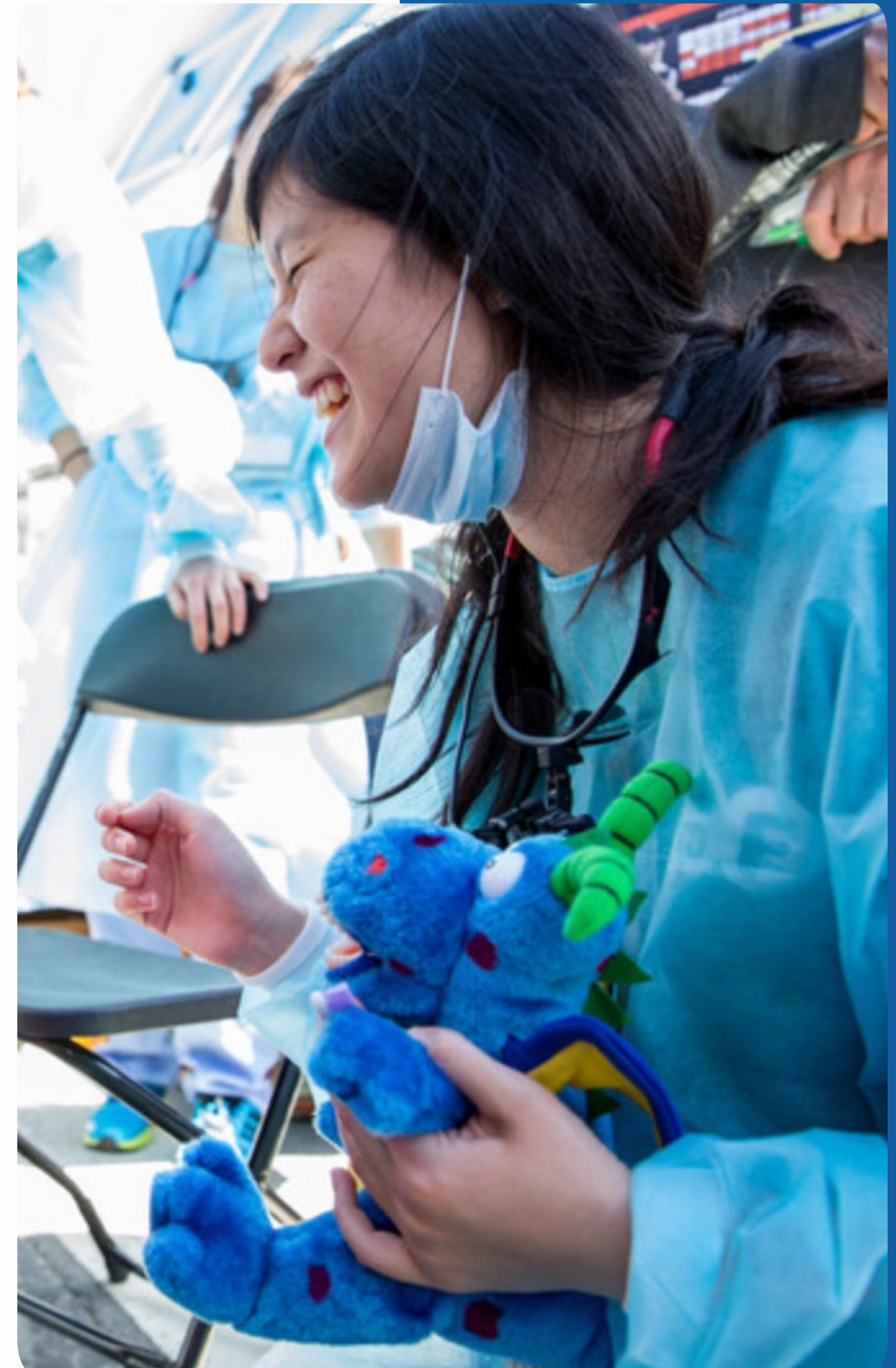
**PD Trainee Exit Survey 2021-2022**





# DPH440: Introduction to Public Health

- Social Determinants of Health (Drs. Lisa Berens & Kristin Hoeft)
- Using Data to inform Advocacy: Community Water Fluoridation; Non-traumatic dental conditions in the Emergency Department (Mrs. TookaZokaie)
- Oral Health Literacy (OHL) (Dr. Kristin Hoeft)
- Rural Oral Health: (Mrs. Ocean Orellana & Erika-Hagstrom-Dossi)
- Sugar Industry, Policy & Advocacy (Dr. Jared Fine, Mrs. Carrie Gordon, Dr. Cristin Kearns)
- Oral health behavior theory/promotion/evaluation (Dr. Kristin Hoeft )
- Health Policy and Advocacy (Mrs. Eileen Espejo)
- Oral health for people with special needs (Dr. Karen Raju)
- Cultural Humility/competency (Dr. EnihomoObadan-Udoh)







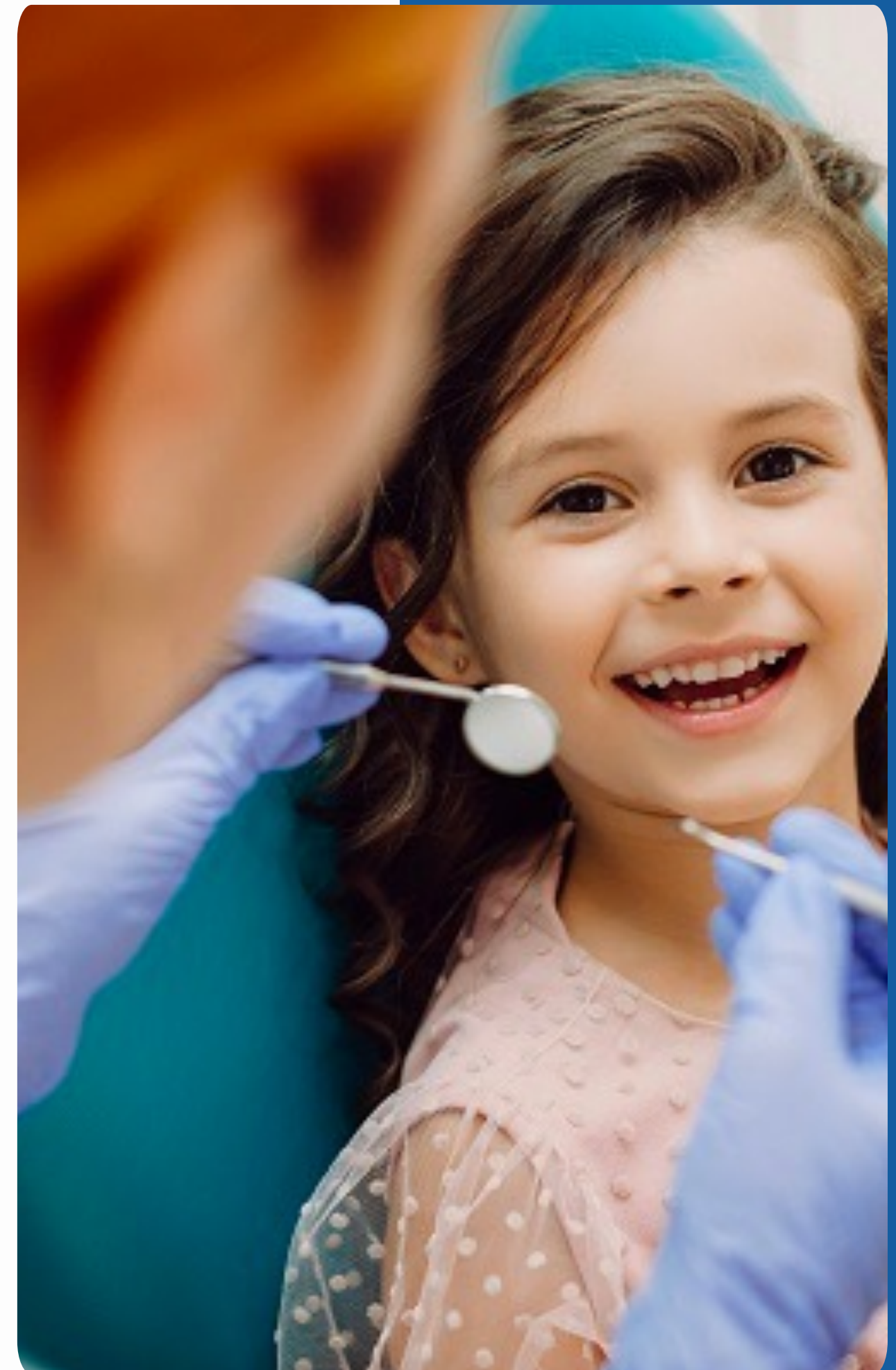
# DPH440: Challenges

- Real-life examples of dental public health policies in action and rural oral health



# PD440: Pediatric Dentistry for DPH

- Topics include:
  - Treating Young Kids Everyday
  - Infant Oral Examination
  - Introduction to pediatric dentistry
  - Anticipatory Guidance for Pediatric Patient
  - Caries Prevention for the Pediatric Dental Patient:
  - Silver Diamine Fluoride
  - Behavior Guidance & Special Health Care Needs
  - Interim Therapeutic Restorative Technique
  - Hall Crowns







# PD440: Challenges

- Finding the importance/relevance between the clinical of dental public health and pediatric dentistry
- Not being able to apply clinical skills learned
- Finding appropriate patients



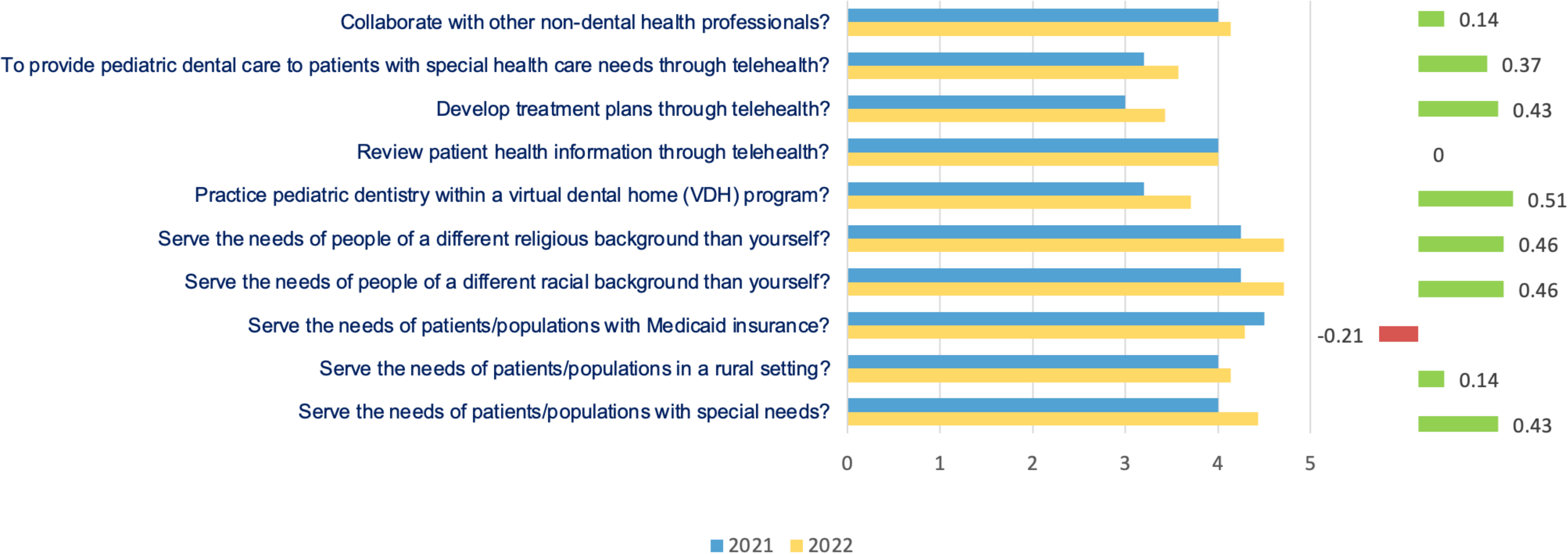
“I was new to all these courses  
and I learned a lot during the  
year. I am glad that those were  
part of the curriculum.”  
**DPH Trainee 2022**





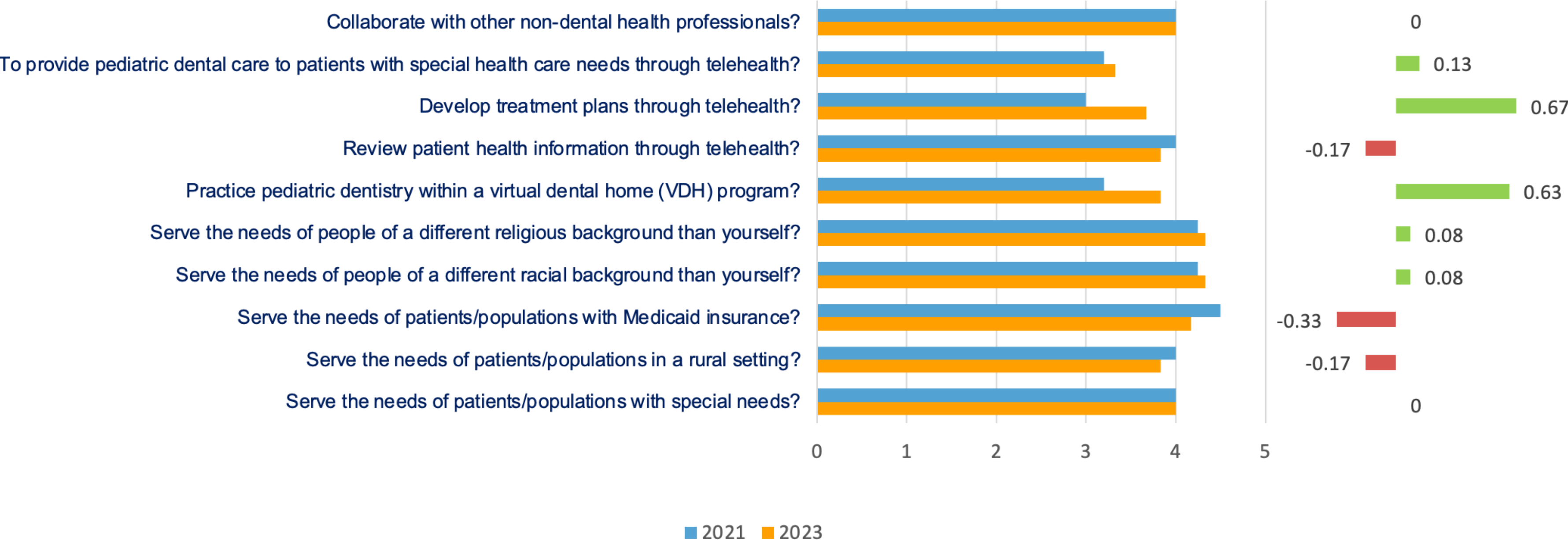
# PD Exit Survey

## 2021 vs 2022 PD Exit Survey: How confident do you feel to:



# PD Exit Survey

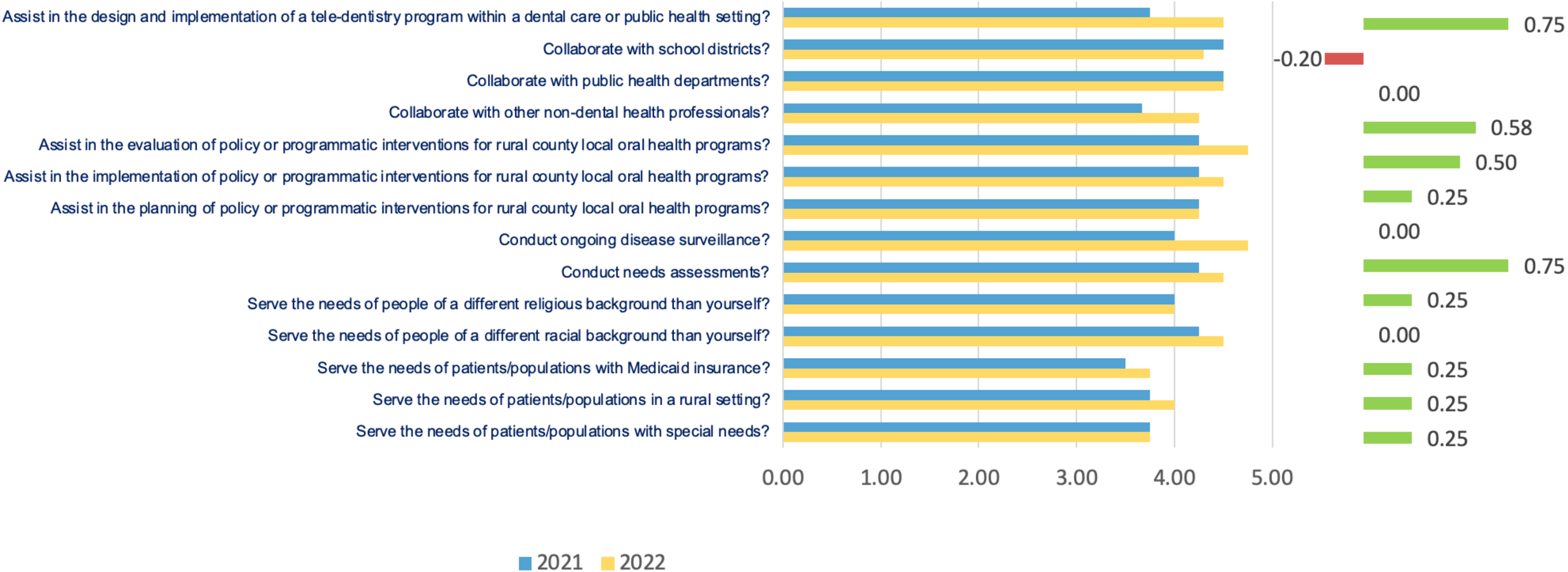
## 2021 vs 2023 PD Exit Survey: How confident do you feel to:





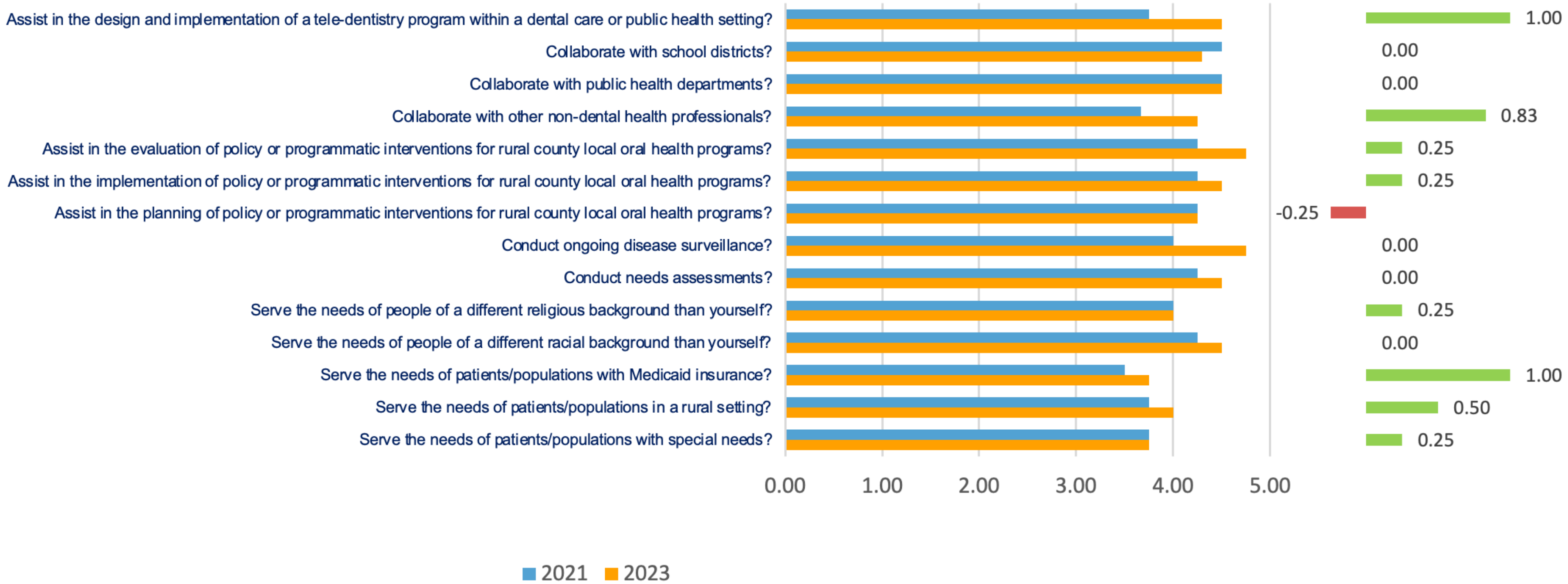
# DPH Exit Survey

## 2021 vs 2022 DPH Exit Survey: How confident do you feel to:



# DPH Exit Survey

## 2021 vs 2023 DPH Exit Survey: How confident do you feel to:





# Benefits

- Increased enrollment DPH residents and PD residents interested in public health
- Increase in PD-MPH overtime (2 to 4 to 5)
- Increase in employment for PD at FQHCs
- Increase in employment for DPH at Local and State Health Departments



# Takeaways

- Alignment to think about public health mindset
- Importance of a champion
- Importance of collaboration
- Importance of funding





# Contact Information

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