

Multifaceted Program to Improve Access to Care

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Disclosure

I do NOT have any relevant financial relationships with any commercial interests.



My presentation will contain NO reference to an investigational and/or off-label use of a product.

IDENTIFYING THE NEED

- Patients with special health care needs have a disproportionate amount of dental disease compared to the rest of the adult population.
- Physical, behavioral, emotional, and social barriers continue to prevent thorough and effective oral care plans from being created, understood, and accomplished on a daily basis.



DENTAL CARIES



OCCUSAL WEAR



MISSING TEETH

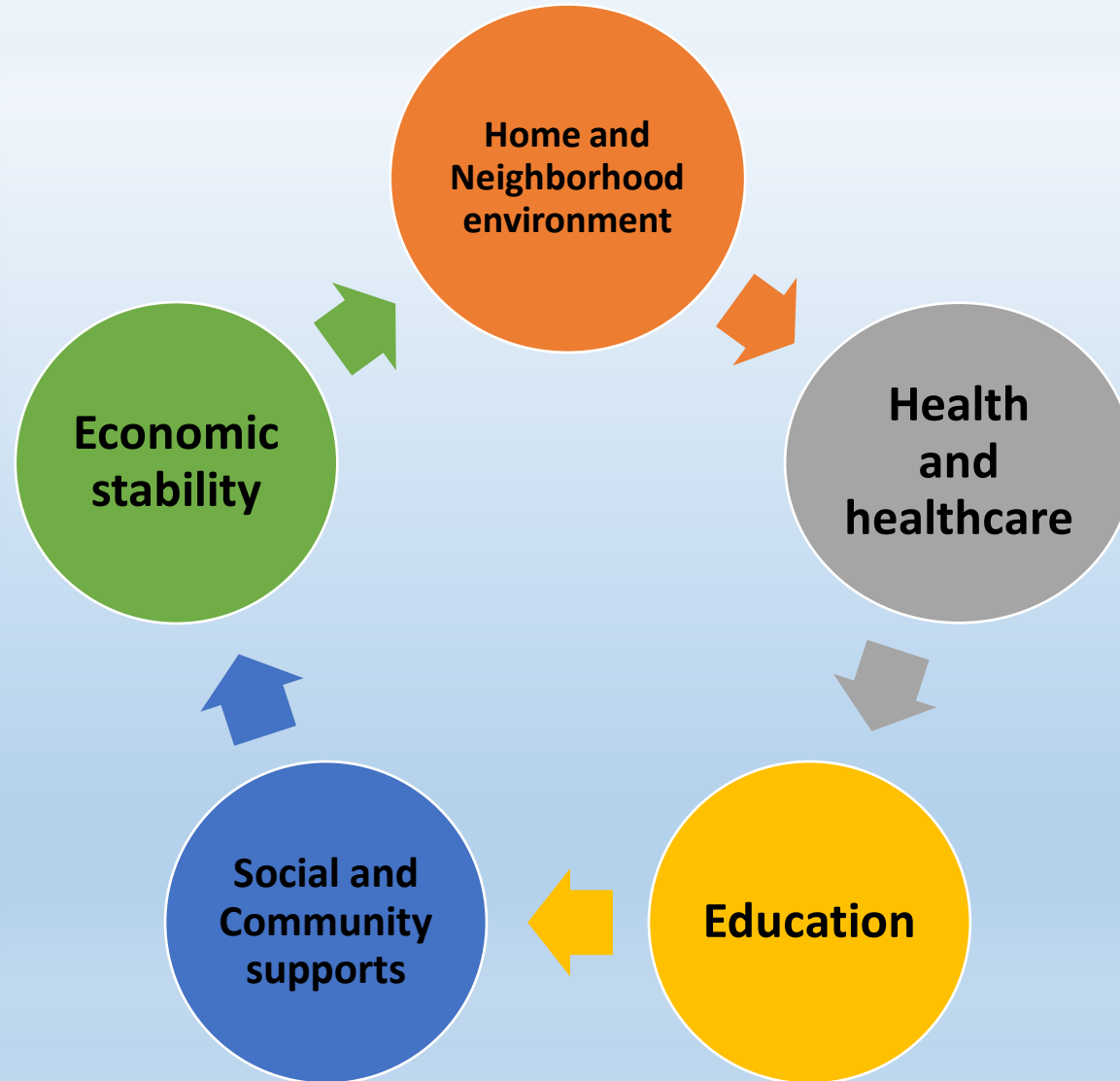


PERIODONTAL DISEASE

SOCIAL DETERMINANTS OF HEALTH

- Persons with disabilities face multidimensional barriers accessing dental care:

- Dentist's report a lack of preparation to assist people with disabilities
- Structural problems of access to dental offices



- Communication difficulties
- Lack of awareness regarding the need for dental treatment for the disabled person

CHANGING EDUCATIONAL MODELS

- As of August 2019, CODA amended their accreditation standard 2-25: dental school graduates must be competent in the assessment and management of treatment of patients with specialized healthcare needs and disabilities.
- Many of these patients require modified dental care
 - many dental schools lack the facilities to provide both the proper care and education.
 - Practicing providers are often not comfortable treating these patients due to lack of training when in dental school and lack of continuing education opportunities.

IDENTIFYING A SOLUTION: PERSONALIZED CARE SUITE and SPECIALIZED CARE PROGRAM

- Cornerstone of an educational program designed to teach dentists, patients, and caregivers how to utilize best accommodations to optimize oral health through the lifetime.

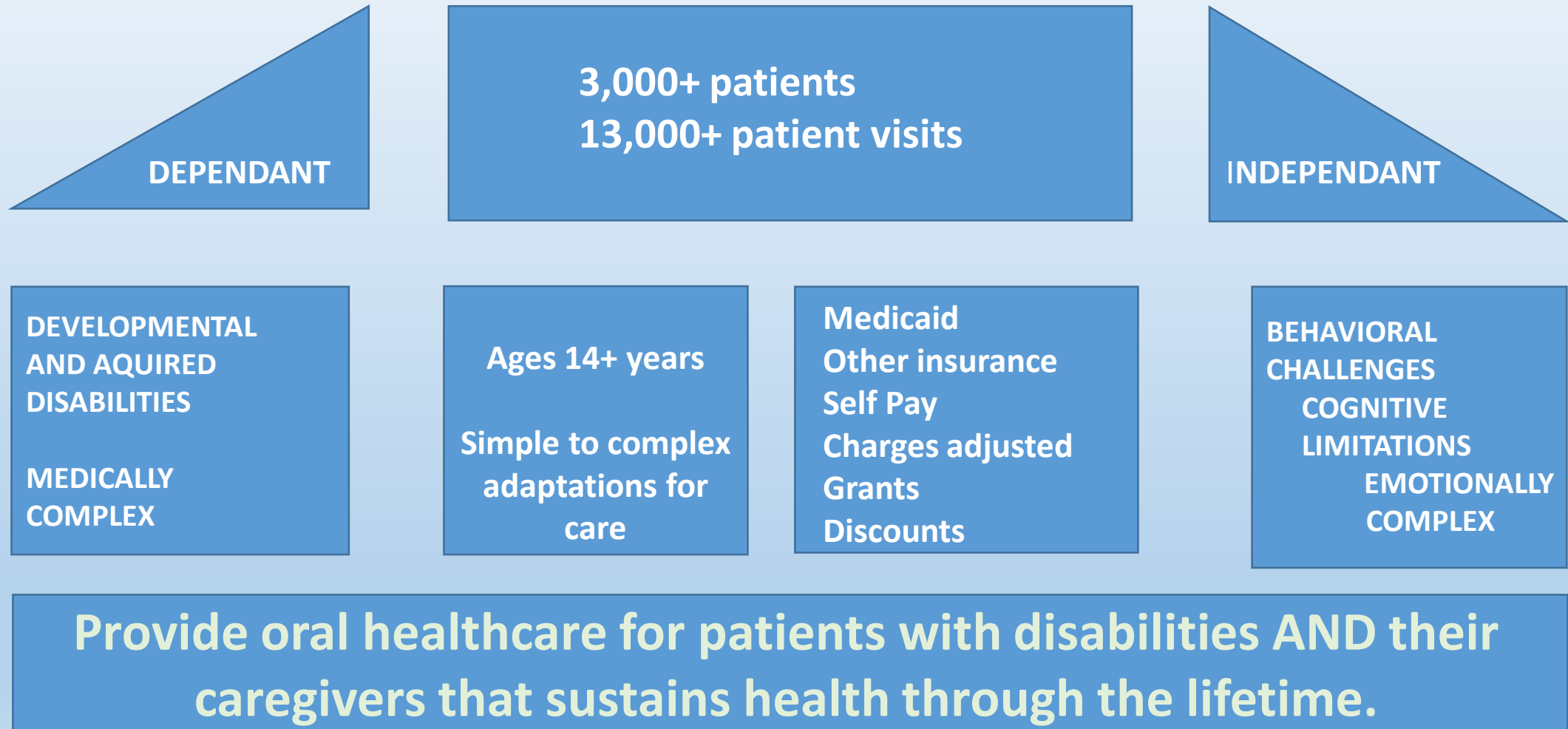


**PCARE AT
PDM**

SPECIALIZED CARE PROGRAM

- Focus on **education for every graduating dentist** that develops skills in prevention, primary care and maintaining oral health without being dependent on sedation and general anesthesia for the disabled population.
- It will focus on **preventing, reversing and arresting disease** through evidence-based interventions in-office and at-home.
- Generate the scientific literature, educational material and educational programs for dental **educators, dentists, students, patients and caregivers.**

PROVIDING A DENTAL HOME SPECIALIZED CARE FOR ACCOMODATING PATIENT'S SPECIAL NEEDS



THE SUITE

- 6 Open-bay for medically compromised patients who require careful monitoring but not necessarily private room



THE SUITE: 6 ENCLOSED OPERATORIES



- Windows in all rooms with light filter shades and dimmable variable lighting
- Rooms equipped with blackout shades
- Acoustic deadening
- Frosted doors for privacy
- Patient view computer screen and speakers
- Room with observation window
- Cameras and microphones for observing and recording patient encounters
- Rooms to accommodate gurneys and wheelchairs



THE SUITE: CONSULTATION ROOMS

- Patient and Caregiver Education becomes central to a continuous oral health philosophy of the Center
- Large open consult rooms to allow patients and caregivers to speak with the doctors
- Rooms can be used for desensitization, examination and portable x-ray when patients will not use a “dental” room for their initial examination and some procedures using portable equipment
- Viewing area of individual room procedures while limiting the number observing directly in a treatment room
- Student education with faculty and residents



A SOLUTION: STUDENT EDUCATION THROUGH DIRECT PATIENT CARE

- Senior dental students (D4) clinical rotation one half day per week
- Junior dental students (D3) 4 full day clinical rotations per year assisting and observing
- Oral Medicine Residents 3mo full day rotations
- Masters in Oral Health Sciences
- Masters of Advanced Dental Sciences
- Periodontal Residents
- Endodontic Residents
- Prosthodontic Residents
- Honors Students in PCARE, Radiology, and Oral Medicine
- International Exchange Students



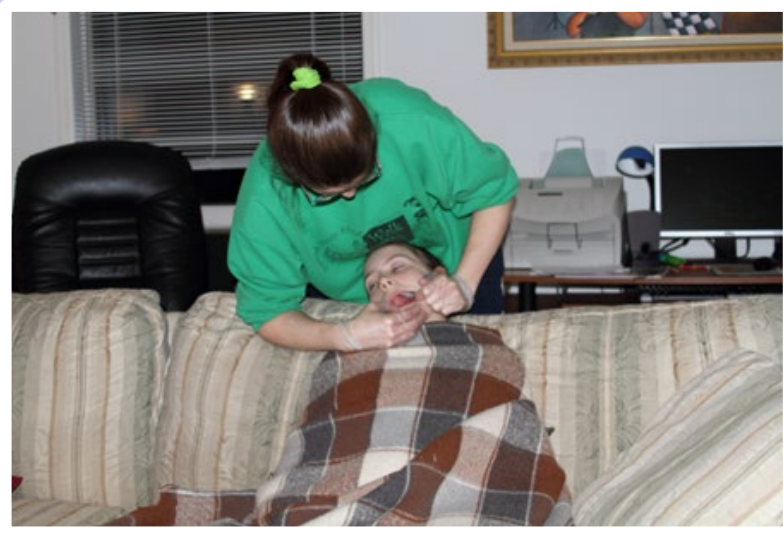
STUDENT EDUCATION THROUGH DIRECT PATIENT CARE

- Administration of Nitrous Oxide analgesia
- Provide non-restrictive management techniques
- Learn and provide restrictive treatment modifications such as medical immobilization and protective stabilization



STUDENT EDUCATION THROUGH DIRECT PATIENT CARE

- Train individuals and care givers in proper hygiene techniques
- Train care givers in stabilization techniques for home care



STUDENT EDUCATION: DIDACTIC

- **Overview of Dental Treatment for People with Special Needs**
- **Informed Consent for Adults with Cognitive Impairments/Intellectual disabilities**
- **Accessibility and Wheelchair Transfer for Dental Office**
- **Dental Treatment for Elders and Dependent Adults**
- **Oral Health Implications of**
 - **Intellectual Disabilities**
 - **Cognitive impairment**
 - **Cerebral Palsy**
 - **Autism Spectrum Disorder**
 - **Neurologic Disease**



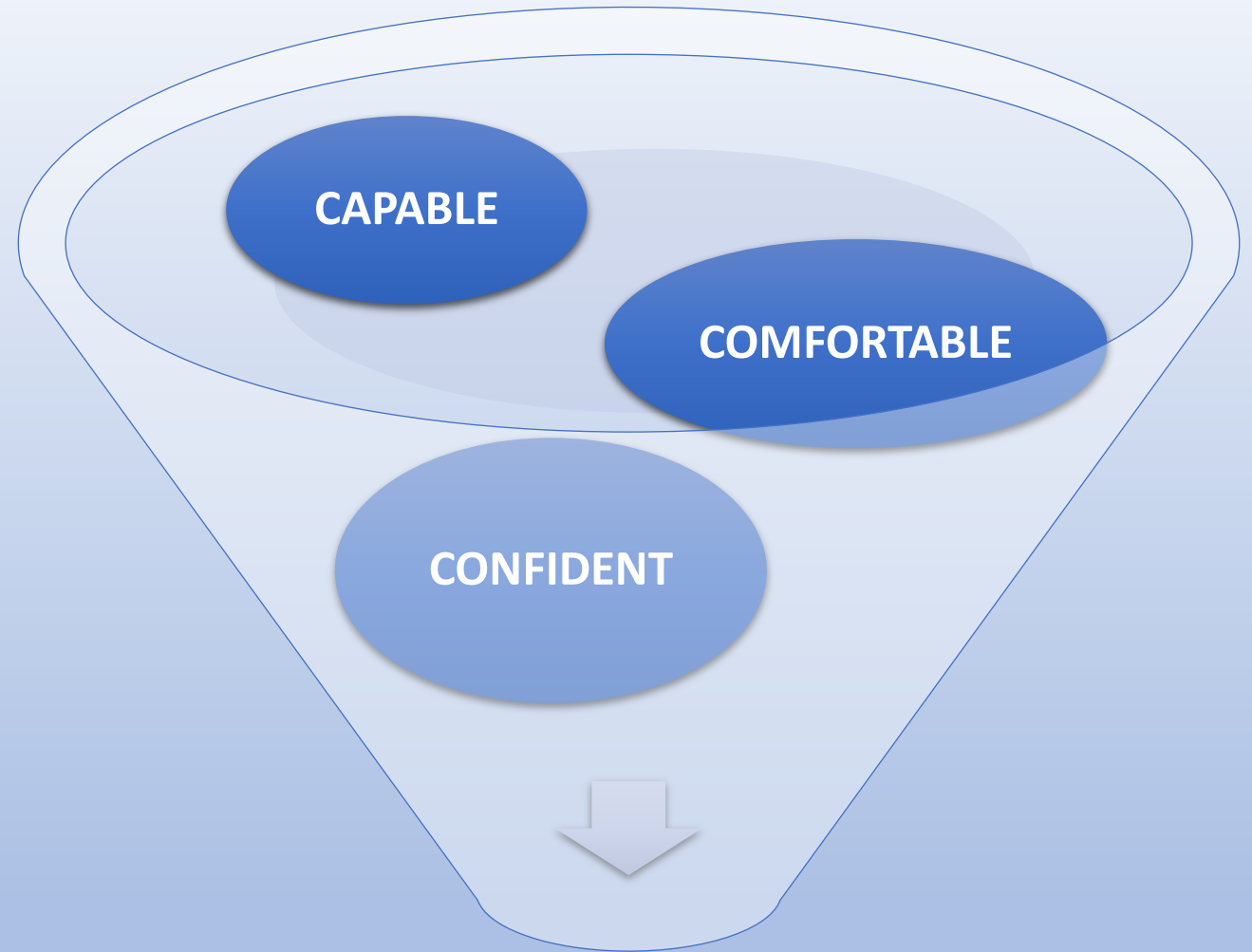
STUDENT EDUCATION: DIDACTIC

- **Overcoming Behavioral Obstacles to Dental Health**
- **Treatment Modifications**
 - **Non-restrictive**
 - **mechanical**
 - **manual**
- **Medical management considerations for individuals with complex medical comorbidities**
- **Preventing Dental Diseases in People with Special Needs**
- **Minimally invasive caries management**
- **Dental Treatment Planning Considerations for People with Special Needs**



**OVER 540 NEW
DENTISTS TRAINED to
accommodate the
special needs of
patients**

**MEDICAL COMPLEXITIES
EMOTIONAL COMPLICATIONS
BEHAVIORAL LIMITATIONS
DEVELOPMENTAL
AND ACQUIRED DISABILITIES**



ACCESS TO CARE

IDENTIFYING A SOLUTION: SYNCHRONOUS TELEDENTISTRY

- Students contact patients and care givers to complete necessary assessments **prior** to first visit
 - Medical history
 - Consent for care
 - Treatment accommodation needs
 - Interprofessional consultations
 - Patient/student introduction
- Students provide post operative assessments and advice
- Students and faculty review treatment plans with patients and guardians



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Grant

TELEDENTISTRY

- **Students review and observe oral care techniques taught in clinic in the home environment**
- **Students can teach nurses and aides who provide care in the home the techniques taught in the clinic**
- **Public Health Dental Hygiene Practitioner supervise fluoride varnish application at home**
- **Patient navigator can connect patients to resources to improve their clinical experiences and continuity of care**



IDENTIFYING A SOLUTION: CONTINUING EDUCATION

- Provide ongoing free continuing education for dentists, hygienists, patients, caregivers and health professionals.
- Various topics related to care of individuals with special care needs.
- International audience and speakers
- Recorded lectures for self study

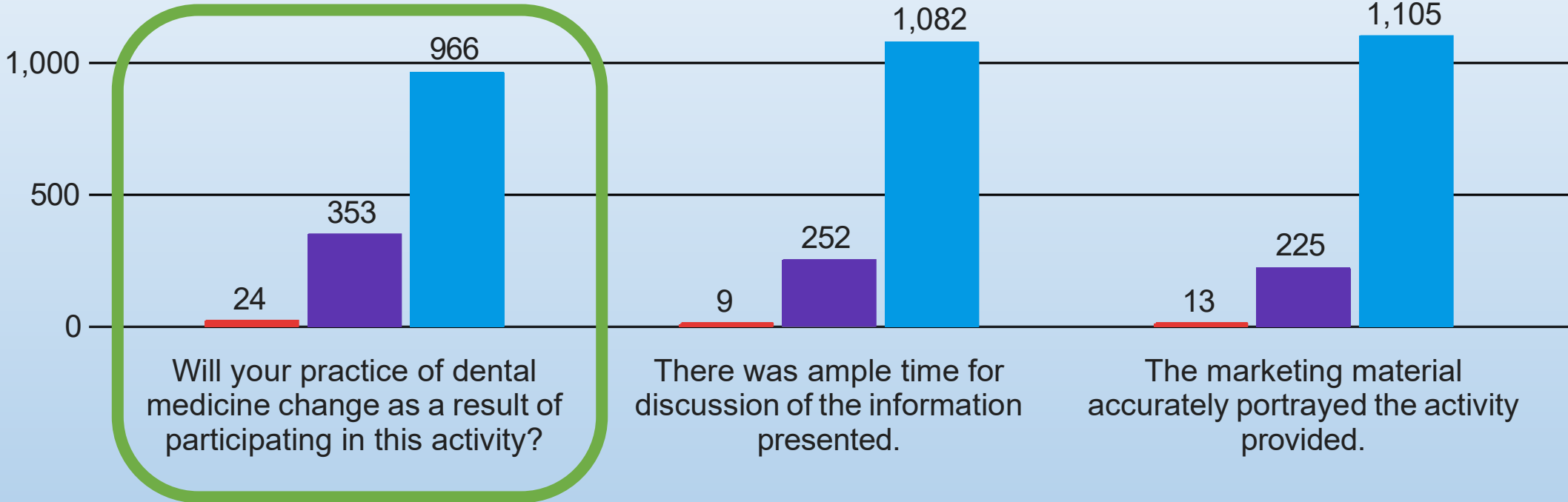
- **Certificate of Expertise upon completion of 18 hrs.**
- *Penn Affiliated Alumni, Faculty, Residents, Students, Staff*
- *Non-Penn Affiliated from Canada, Egypt, India, Jamaica and US*
- *Professions: Academic, Dentist, Dental Assistants, Dental Hygienists, Current Students, Other*



Support of Delta Dental of MI

REACHING AND ACHIEVING THE GOAL OF IMPROVING ACCESS

Q4 - Please rate the following:



A SOLUTION: IMMERSION PROGRAM

- Designed for those already in the dental workforce who interested in expanding their skill and knowledge regarding the dental care of patients with disabilities.
- Chairside training and observed delivery of care is emphasized.



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Delta Dental of VA

IMMERSION PROGRAM

- A mini residency in Dental Management of Persons with Disabilities
- An intensive continuing education immersion program
- Practicing dentists, dental hygienists and dental assistants
- Interdisciplinary case discussions
- Practice management
- Self paced online learning
- Clinical training

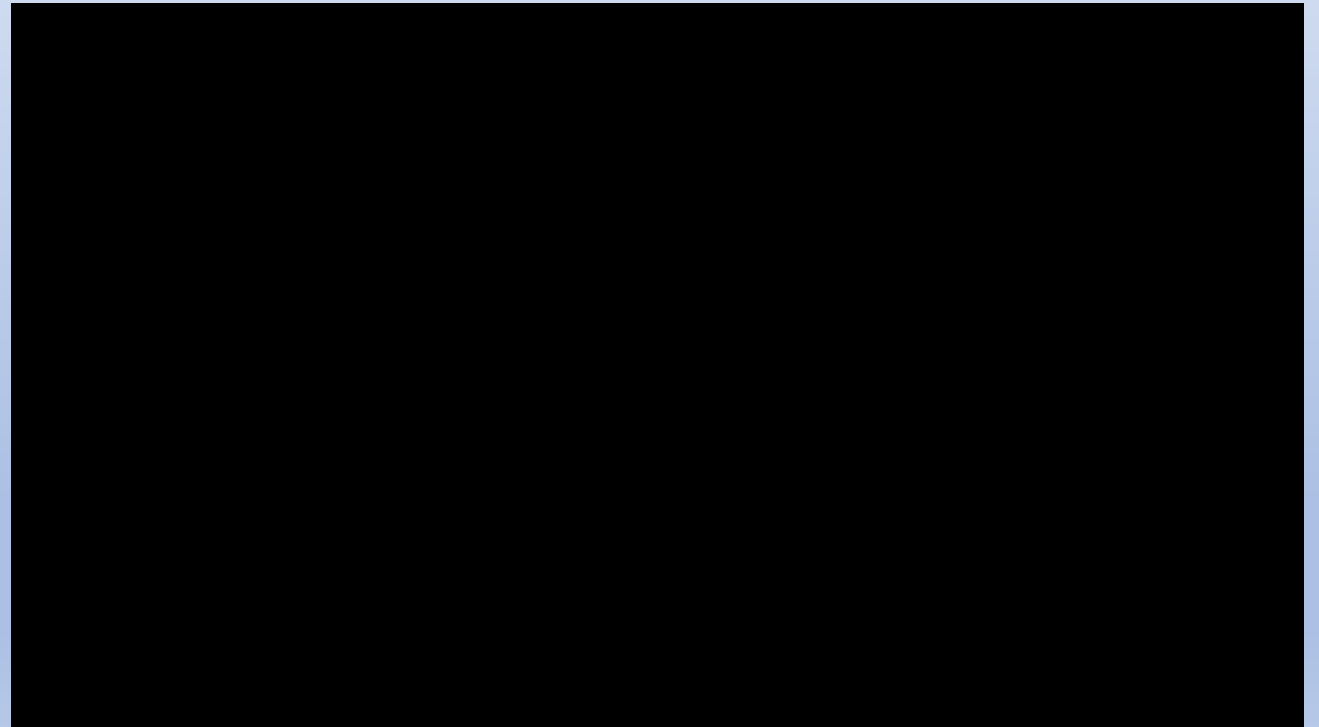


IDENTIFYING A SOLUTION: WEBSITE EDUCATIONAL MATERIALS

Video library of patient experiences to prepare for visits and treatments on website

- Entering facility, arriving at suite
- Overview of suite
- Short takes of each room from general view to patient view once seated
- Videos of various treatment modalities and procedures
- Scripted by dental students

- Examination
- Suction
- Scanner
- Radiology
- Getting numb
- Cavity Restoration
- Extractions



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Thank you!
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Photos by POSITIVE EXPOSURE