Improving the Oral Health of People with Disabilities through Innovative Collaborations in a Changing Healthcare System

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THINK OUTSIDE THE BOX
Creativity is thinking up new things. Innovation is doing new things.

- Theodore Levitt
Collaboration

Jack’s Definition:
Col – Lab – Oration
Col = the lowest point of a ridge or saddle between two peaks, typically affording a pass from one side of a mountain range to another.
Lab = a place providing the opportunity for experimentation, observation, or practice in a field of study.
Oration = a speech, conversation, especially for a special occasion
Some Oral Health Facts

• Over 20% of school children and over 90% of adults have dental cavities
• About 28% of people aged 65-74 have no natural teeth
• Periodontal disease is found in 40% of adults 35-44 years and over 70% in adults over 65.
HALF OF AMERICAN ADULTS SUFFER FROM GUM DISEASE

47.2% Have periodontitis

THAT'S 64.7 Million Adults 30 years and older

8.7% Mild Periodontitis

30% Moderate Periodontitis

8.5% Severe Periodontitis
A Little History!

“Public Tooth-drawer”, 1523, woodcut, by Lucas van Leyden; earliest known engraving of a tooth-drawer at work. Note that assistant has hand in patient’s pocket.

According to Otto*, public perception may not have changed after 500 years

Triple Aim

- *Improve* the patient experience of care (including quality and satisfaction)
- *Improve* the health of populations
- *Reduce* the per capita cost of health care
New Fourth Aim

• Improving the work life of health care clinicians and staff

• Reduce high suicide rate among U.S. physicians and medical students
27 MILLION PEOPLE visit a dentist and not a physician each year \(^2\)

Vujicic M, Israelson H, Antoon J, Kiesling R, Paumier T, Zust M.  
Current Health Delivery Models

• Medical Home
• Dental Home
• Behavioral Home

Future = Health Home = New Oral Health Provider
Mid-level dental provider = concept that needs resolution
Era of Accountability

Provider-Centric  Focus  Patient-Centric
Value-Blind  Value  Value-Based  Reimbursement
Reimbursement  Episodic &  Patient Flow  Continuous &  Fragmented  Coordinated
Inpatient Focused  Delivery Setting  Flexible & Varied
Individuals  Approach  Population-Based
Disease & Treatment  Objective  Wellness & Prevention
Integrated healthcare is taking the ‘i’ out of illness and replacing it with ‘we’ to achieve wellness.

– Jack Dillenberg DDS, MPH
• Oral Health Literacy
• Better Prepared Workforce
  • Including Leadership and “Soft” Skills
• Integration into Primary Care
• Special Needs - Medically Complex
• Aging Population
• Innovative preventive intervention – SDF, Pregnant women, TeleDentistry
A young man and woman in wheelchairs negotiate the stairs at the Metro in Moscow.
Special Olympic World Games in Greece

Jack and Jamie with actor/comedian, Eddie Barbanell.
Dental Service Organization
Foundation Innovative Collaboration

Special Needs Clinical Training

2017 Year In Review
- Training Team
  - Dr. Steven Perlman, Global Clinical Advisor & Founder Special Olympics Special Smiles
  - Dr. Jacob Dent, OD Texas & Louisiana, PDSI Faculty
  - Kelly McKinnon, Director Behavior Intervention, CAND
- 9 National training events, over 800 attendees
- Pull from multiple organizations
  - Rocky Mountain Dental Convention
  - Dental Lifeline Network
  - Santa Fe Dental Society
  - Dental Corp
  - PDS Markets

2018 Plan
- Not for profit clinic that also will serve Medicaid patients.
  A first for Pacific Dental Services.
Pillars

Policy

Education

Marketing & Communications
Prevalence of Autism Increases by 15%, to 1 in 59 Children

• On April 26, the Centers for Disease Control and Prevention released new data from the Autism and Developmental Disabilities Monitoring Network on the prevalence of autism in the U.S. The network identified 1 in 59 children as having autism spectrum disorder (ASD), representing a 15 percent increase from previous estimates.
The Future of Our Profession
Improving Access to Care Through Innovative Technology
Tele Health Can Improve Access, Health and Quality of Care

- Develop a Program that Will be Geographically Distributed
  - Bring oral health to patients with team based approach
  - Focus on prevention and integration with primary care
  - Work with underserved populations: disabled, elderly, rural

- Barriers Broken Down
  - Cost
  - Time
  - Distance
  - Health Literacy

- Goal
  - Bring prevention and oral health literacy to the patient while decreasing the need for surgical interventions
In 2011, A.T. Still University (ATSU) devised a series of text message programs designed to reach, educate, and remind current patients about preventive and ongoing initiatives of health and wellness.
GenieMD+OH is a mobile health platform that empowers individuals to take a more active role in managing their own health and the health of their loved ones.
CARE CIRCLE

From Camera

Manually

Blood Pressure
Blood Pressure, Heart Rate, Rhythm
Diabetes Management
Track Blood Glucose and A1C Levels
Cholesterol
LDL, HDL, Trig, Total, Ratio
Temperature
Track Body Temperature
Protime/INR
Track Protime/INR
pH
Measure pH
Sleeping Patterns
Sleep Time, Times Awakened
Emotions
Mood
Asthma Triggers
Factors affecting asthma trigger
Weight & BMI
Weight, Body Mass Index
Height
Track Height

GenieMD+OH
Leadership is establishing a clear vision and sharing that vision with others so that they will follow willingly. A leader steps up in times of crises, and is able to think and act creatively in difficult situations.
Courage and Discipline
With courage you will dare to take risks, have the strength to be compassionate, and the wisdom to be humble. **Courage** is the foundation of integrity.

Mark Twain
Jack’s Suggestions for Good Leadership

1. Work at something you enjoy and is worthy of your time and talent.

2. Give people more than they expect and do it cheerfully.

3. Become the most positive and enthusiastic person you know.
Jack’s Suggestions for Good Leadership

4. Be forgiving of yourself and others.

5. Be generous.

6. Have a grateful heart.
Jack’s Suggestions for Good Leadership

7. Persistence, persistence, persistence.
Jack’s Suggestions for Good Leadership

8. Be loyal.


10. Be bold & courageous.

When you look back on your life, you’ll regret the things you didn’t do more than the ones you did.
Teamwork
Recommended Reading

THE FOUR AGREEMENTS
A Practical Guide to Personal Freedom
A Toltec Wisdom Book
BY DON MIGUEL RUIZ

JOHN W. GARDNER ON LEADERSHIP

“A masterpiece”
—Walter F. Ulmer, Jr., President
and CEO, Center for Creative Leadership
WITH A PREFACE TO THE PAPERBACK EDITION