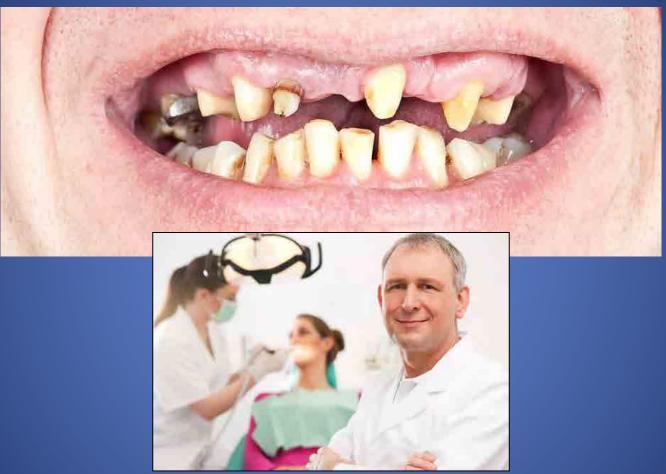
Healing Power of a Smile; Connection Between Oral Health and Substance Use Disorder (SUD)



Glen R. Hanson, D.D.S., Ph.D. Professor Pharmacology, Vice Dean University of Utah, School of Dentistry

Current Oral Health Practice in SUD Programs:

• SUD treatment programs have little involvement with oral health care due to minimal resources

 Some support for primary medical and mental health care, but only small amount available for emergent, temporary dental care

- Relieve pain
- Treat infection
- <u>Strategy</u>: medication and/or surgery



Describe SUD/Oral Health Connection:

-most of the information is anecdotal and variable

Our Recently reported findings:

~40% SUD patients have 'major oral health needs'

✓ Most likely found in heroin/opioid use disorders (~40%) and METH use disorders (~30%)

Source of dental problems?



- Drugs cause xerostomia (dry mouth)
- Diet (high sugar-containing foods/drinks), poor nutrition
- Poor hygiene



What does 'major oral health disease' typically require?

4 extractions

 2 major periodontal procedures

- 6 restorations
- 1-2 crowns
- 1-2 root canals
- ½ patients require a removable prosthesis















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Impact of Major oral disease

Persistent pain and discomfort



- Continu even
- Functio
 Can
 Can
 LIFE



difficulties

Diffi

 Cosmetic—lack self confidence, employment problems and withdrawal from loved ones and society--homeless



What has Science told us about the effect of Oral Health Care on SUD treatment?

--<u>NOT MUCH</u>

Research has shown that good primary medical care improves SUD treatment outcomes.
(i.e., reduces drug use and overall health care costs: Padwa et al. J. Psychoactive Drugs 44 [2012] 299)

 Integration of comprehensive oral core would be expected to similarly improve SUD treatment outcomes, but never tested. Results of first study to examine this issue: Hanson et al. "Comprehensive Oral Care Improves Treatment Outcomes in Male and Female Patients with High-Severity and Chronic Substance Use Disorders." J. American Dental Association, 150 (2019) 591.

COVER STORY

Clinical Predictors of Persistent Temporomandibular Disorder 572 JULY 2019

MOMENT

ONTRIBUTIONS

Pediatric Dentists 609

Original Contributions

Comprehensive oral care improves treatment outcomes in male and female patients with high-severity and chronic substance use disorders

Glen R. Hanson, DDS, PhD; Shawn McMillan, MPA; Kali Mower, BS; Carter T. Bruett, BS; Llely Duarte, BS; Sri Koduri, MS, MPA; Lilliam Pinzon, DDS, MS, MPH; Matt Warthen, BS; Ken Smith, PhD; Huong Meeks, PhD; Bryan Trump, DDS, MS ABSTRACT

DETAILS OF JADA PAPER: Retrospective Study

Result from a <u>HRSA</u> Workforce Training grant called "FLOSS" (Facilitating a Lifetime of Oral Health Sustainability for Substance Use Disorder Patients and Families)



SUD Case Managers introduced to oral health elements



 Dental Care providers (students/faculty) were trained to work with patients receiving SUD treatment-they received SBIRT training-as required by CE statute (Utah HB 175)



This program represented a partnership between the University of Utah School of Dentistry, and SUD treatment programs at First Step and Odyssey Houses, Salt Lake City, Utah





Principal Findings-

Groups were:

- <u>received Dental Care principally from</u> <u>students (DC- dental care)</u>
- versus Non-Dental Care (NDC) controls

Odyssey House Findings

Patients:

-matched demographically and similar dental needs,

randomly selected -similar male and female DC= 165 NDC control= 158

<u>Findings:</u>

 Length of Stay (LoS) DC= 340 days NDC= 122



- Treatment completion
 DC were 63% more likely to complete than
 controls
- Gender differences for LoS effect
 ✓ males and females similar LoS effects

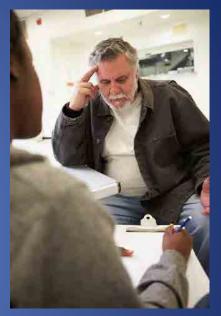
First Step House Findings:

Patients:

- Matched demographically; self-selected
- All male
 DC=158
 NDC= 862

Findings

Length of stay (LOS)
 DC=240 days
 NDC=152 days



 Improvement in Employment after SUD treatment DC= 460 % NDC= 130%

- Improvement in Drug Abstinence DC= 257% NDC= 138%
- Reduction in Homelessness
 DC= 84 %
 NDC= ~50%

Implications:

- Improved outcomes for SUD treatment
- Mechanism: by improving QoL or OHQoL

- Also impacts outcomes of other chronic, serious long-term disorders that tends to have increased oral health problems

-e.g.,

✓ Prediabetes

- ✓ CV disease
- ✓ Mental health disorders
- ✓ Cancer
- ✓ Obesity

✓ Age-related dementias (Alzheimer's)







How to change findings into policy—i.e. identify resources to provide dental care to patients receiving SUD treatment.

H.B. 435 (2019): sponsored by Utah State Rep. Steve Eliason Medicaid Dental Benefits



"...If a waiver is approved...the department shall provide dental services to an individual who... is receiving treatment for substance use disorder... through the University of Utah School of Dentistry..."

Part of the TAM (Targeted Adult Medicaid) program--for incarcerated, homeless patients with mental health and SUD disabilities (includes ~<u>8,000 patients</u> in Utah) --we have seen ~1000 patients

Getting Dental care Providers Engaged: <u>those interested are paneled in our SUD</u> <u>statewide network</u>



SBIRT

Screening, Brief Intervention, Referral to Treatment *Implementation* In Your Dental Practice