# Center for Rural Health

### Non-Dental Health Professionals Addressing Oral Health Disparities

Dakota Conference on Rural and Public Health May, 2017

Shawnda Schroeder, PhD Assistant Professor, Research Center for Rural Health



#### Center for Rural Health

- Established in 1980, at The University of North Dakota (UND) School of Medicine and Health Sciences in Grand Forks, ND
- One of the country's most experienced state rural health offices
- UND Center of Excellence in Research, Scholarship, and Creative Activity
- Home to seven national programs
- Recipient of the UND Award for Departmental Excellence in Research

#### Focus on

- Educating and Informing
- Policy
- Research and Evaluation
- Working with Communities
- American Indians
- Health Workforce
- Hospitals and Facilities

ruralhealth.und.edu

#### Background and Funding

- The Pew Charitable Trusts
- North Dakota Department of Health
  - o Centers for Disease Control & Prevention
  - o DentaQuest Foundation
- · North Dakota Oral Health Legislation
  - o Dental School Loan Repayment
  - o Dental Therapy

#### Oral Health Resources

- · Policy briefs
- Chartbooks
- Oral health presentations
- 13 topic specific fact sheets
  - o Medicaid
  - Workforce
  - o Pediatrics
  - o More

https://ruralhealth.und.edu/what-we-do/oral-health

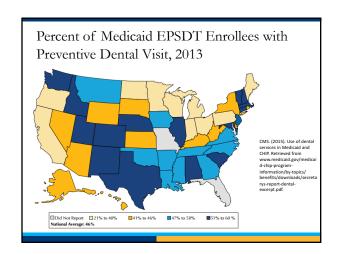
Fact Sheet

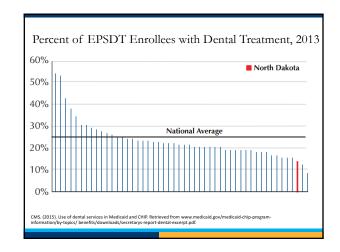
## 

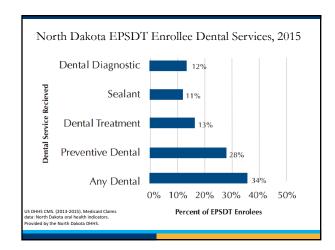
#### Medicaid

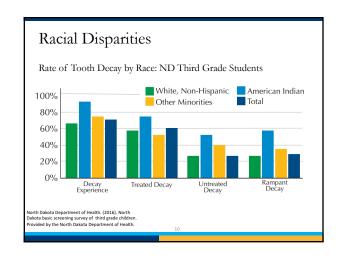
- North Dakota has one of the highest Medicaid reimbursement rates (63%) in the U.S.
  - Identified as Medicaid dollars paid divided by Medicaid dollars billed over a five-year period)
- National Medicaid reimbursement rate: 49%
- In 2015, 72% of North Dakota Medicaid youth eligible for the early and periodic screening, diagnostic and treatment (EPSDT) benefit had no preventive dental visit

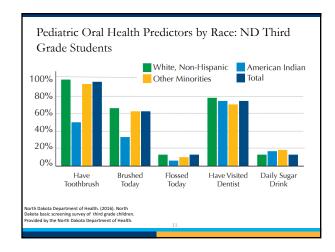
1

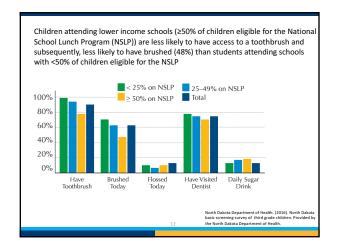








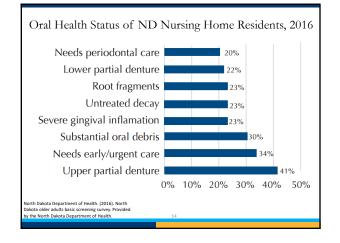




#### Oral Health among the Elderly

- The percentage of ND elderly (65 and older) who have visited a dentist in the past year has declined between 2008 (68%) and 2014 (65%)
- As of 2014, only 13% of ND elderly (65+) were edentulous (without any teeth); in 2016, 32% of ND nursing home residents were edentulous
  - o 62% were Medicaid enrollees
- Medicaid nursing home residents were more likely than those with Medicare/no insurance, or private/third party insurance to:
  - Be edentulous
  - Have substantial tooth loss
  - Experience untreated decay
  - Have prevalence of root fragments
  - Have severe gingivitis
  - Need periodontal care

North Dakota Department of Health. (2016). North Dakota older adults basic screening survey. Provid-by the North Dakota Department of Health.



#### On Average . . .

- 83% of children (2-17 years old) see a dentists each year
  - o 93% have contact with a health care professional
- 62% of adults (18-64) see a dentist each year
  - o 83.6% have contact with a health care professional
- 62.4% of adults aged 65 and over see a dentist each year

#### Non-Dental Health Professionals

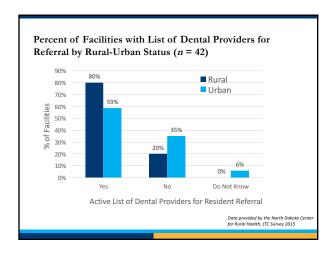
- · Varnish Application
- **Dental Sealants**
- Long Term Care
- **Head Start**
- · Primary Care/Family Practice

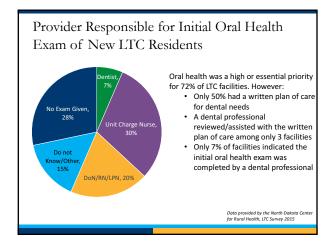
Long Term Care

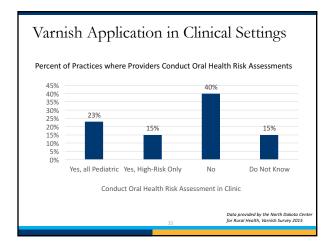
#### Rural LTC Facilities Have Better Oral Health System Indicators than Urban

- · Rural were more likely to have an oral health provider complete the initial oral health screen for new residents (30%) than urban (18%)
- Rural residents had a shorter wait time to see a dentists for non-emergent dental problems
- Rural were more likely to have an active list of dental professionals for referral
- A greater percentage of rural LTC residents were responsible for their own daily oral health care than urban residents

Data provided by the North Dakota Cent for Rural Health, LTC Survey 2015







#### Primary Care Varnish Application

- A majority of pediatricians (60%) and family practice physicians (82%) replied that no one within the clinic provided varnish
- Only 31% believed that other physicians were aware that it was a reimbursable service
- 90% of pediatricians and 82% of family practice physicians either agreed or strongly agreed that fluoride varnish was an effective preventative oral health care measure
- Providers agreed/strongly agreed that well-child visits were an appropriate time for both varnish application (60%) and the oral health risk assessment (86%)
- If required as part of the well-child checklist, many also believed they would be done

Data provided by the North Dakota Cente for Rural Health, Varnish Survey 2015

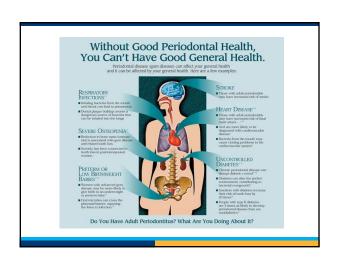
#### Public Health

Oral Health is not an APHA Public Health Topic Priority

#### HealthyPeople 2020

- Community Water Fluoridation
- School-based dental sealant delivery
- Varnish application
- Screenings and oral health literacy

23





Shawnda Schroeder, PhD Assistant Professor, Research  $\underline{Shawnda.Schroeder@med.und.edu}$ 

Center for Rural Health University of North Dakota School of Medicine & Health Sciences 701.777.0787 • ruralhealth.und.edu