



APPLE TREE DENTAL
Helping Create a Collaborative Practice Model in North Dakota

NORTH DAKOTA HEALTH SERVICES COMMITTEE
 BISMARCK, JULY 30TH, 2014




APPLE TREE DENTAL

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 Chief Executive Officer

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THANK YOU!

SENATOR JUDY LEE



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NORTH DAKOTA'S OUTSTANDING PLAN

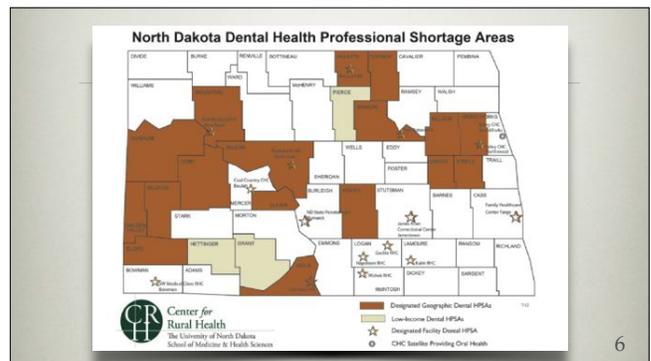
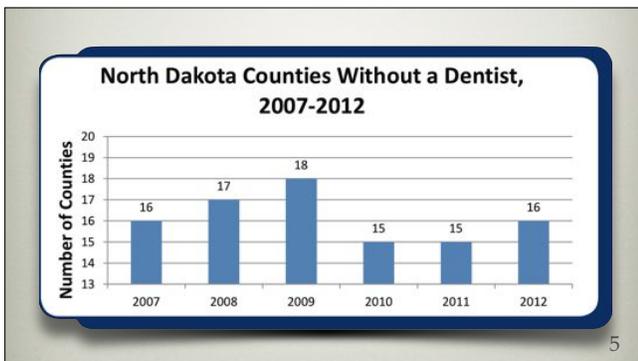
Oral Health in North Dakota
Burden of Disease and Plan for the Future

2012-2017



- Jack Dalrymple, Governor
- Terry Dwelle, M.D., M.P.H.T.M., C.P.H., State Health Officer
- Kim Mertz, R.N., BNSc., Director, Division of Family Health
- Kimberlie Yineman, R.D.H., B.A., Director, Oral Health Program
- Gregg Reed, M.P.H., Epidemiologist, Oral Health Program

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- Goal 1: Develop and promote partnerships and policies that improve oral health for all North Dakotans.
- Goal 2: Improve prevention and educational activities that promote oral health.
- Goal 3: Support and sustain an effective oral health infrastructure and workforce to ensure high quality oral health services to all North Dakotans.
- Goal 4: Ensure all North Dakotans have reasonable and affordable access to oral health services.

HOW MIGHT APPLE TREE HELP?

- We'd like to work with the private dental community and its professional organizations, community health centers, legislators and government stakeholders, and the ND State Oral Health Program *to expand private, public and nonprofit capacity* for community based collaborative practice.
- We believe that Apple Tree's nonprofit model brings proven expertise in dental public health, along with unique data collection, Electronic Health Records (EHR) and telehealth capabilities,
- Our Innovations Center Team is poised help ND's stakeholders team up in new ways - such as creating Advanced Education in General Dentistry or General Practice Residency programs in ND.

EDUCATIONAL PARTNERS

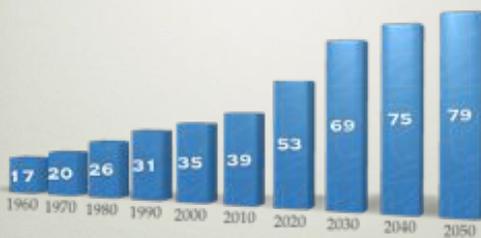


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WHY IS ORAL HEALTH IMPORTANT ACROSS THE LIFESPAN?

THE AGE WAVE IS COMING...

GROWTH OF U.S. ELDERLY (IN MILLIONS)



NORTH DAKOTA'S AGE WAVE



- Population 723,393
- 61% increase in 65+ by 2030

Source: US Census Bureau

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INSTITUTE OF MEDICINE AND
NATIONAL RESEARCH COUNCIL
OF THE NATIONAL ACADEMIES

Improving Access to
Oral Health Care for
Vulnerable and
Underserved Populations



www.iom.edu/oralhealthaccess

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NEW DELIVERY SYSTEMS WILL..

- Eliminate barriers that contribute to oral health disparities;
- Prioritize disease prevention and health promotion;
- Provide oral health services in a variety of settings;

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VISION (CONTINUED)...

- Rely on a diverse and expanded array of providers who provide evidence-based care;
- Include collaborative and multidisciplinary teams working across the health care system; and
- Foster continuous improvement and innovation.

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THE APPLE TREE DENTAL
COLLABORATIVE PRACTICE MODEL

APPLE TREE DENTAL
WAS INSPIRED BY
THE MAYO CLINIC...

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- The Mayo Clinic is the oldest and largest integrated, not-for-profit group practice in the world. It began in the mid-1800's during the Civil War.
- In 2012, 7,650 physicians, scientists, residents and fellows and 53,600 allied staff were working at Mayo Clinics in Minnesota, Florida and Arizona.



WHY NOT FOLLOW?



APPLE TREE DENTAL



In our 30th Year!



Apple Tree's mission is to improve the oral health of people with special access needs who face barriers to care.

BOARD OF DIRECTORS



A PAID STAFF MODEL
BUILDS A TEAM WITH
SPECIAL EXPERTISE

EXAMPLES OF PAID STAFF EXPERTISE...

- Geriatric, pediatric, public health and special care dentistry
- IV sedation, oral medicine, hospital dentistry
- Prosthodontics, oral surgery and implantology
- Dental education, clinical student rotations
- Fundraising and nonprofit development
- Public policy leadership and advocacy

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COMPENSATION

- Clinical productivity
- Unique clinical roles
- Clinical quality measures
- Patient satisfaction ratings
- Educational background
- Teaching and research roles
- Contributions to mission
- Peer and manager reviews

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THE INNOVATIONS CENTER



- Is Apple Tree's creative core, going beyond clinical care
- The Innovations Center has pioneered many new areas within dentistry
- And we've gained some national recognition for our efforts ...

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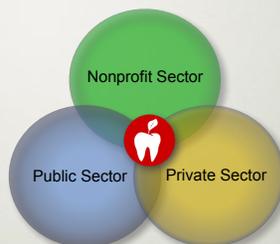
APPLE TREE'S INNOVATIONS CENTER



- Dental Care Delivery Pilot Projects
- Mobile and Portable Delivery Systems
- Clinical Dental Education Innovations
- Policy and Advocacy Programs
- Clinical Dental Research Projects

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FORMING SUSTAINABLE PARTNERSHIPS



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WHAT'S BEEN ACCOMPLISHED?

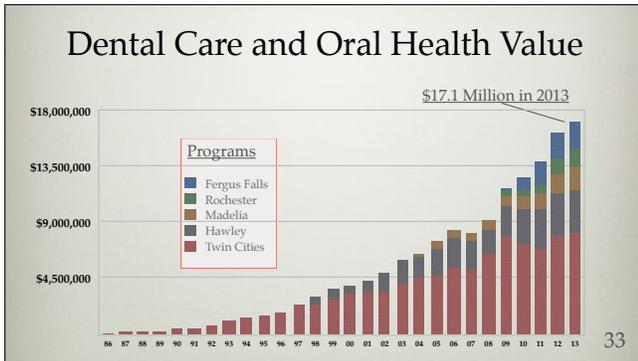
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Minnesota Programs

- Low income children and their families
- Adults with disabilities
- Seniors and elders in long-term care
- Urban and rural communities

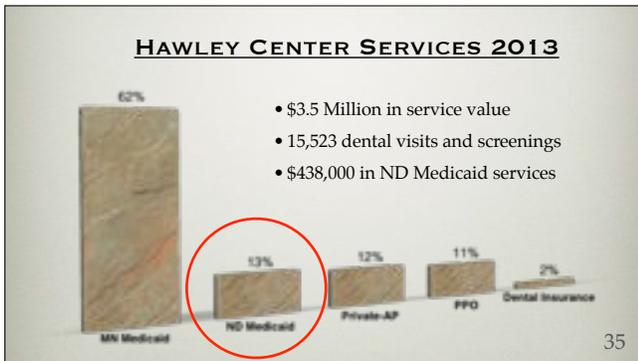
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APPLE TREE'S HAWLEY CENTER ...

- Opened in 1997 following a regional needs assessment showing nearly 30,000 people lacking access to care.
- Lead funding from the Dakota Medical Foundation made the program launch possible
- The Hawley Center has been self-sustaining for 17 years.

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HAWLEY CENTER: HISTORY TO DATE

Patients Served = **24,740**

Dental Visits Provided = **198,355**

Dental Care Value = **\$32,299,832**

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COMMUNITY
COLLABORATIVE PRACTICE



Collaborating to deliver oral health services where people live, go to school, or receive other health and social services

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WE DESIGN OUR PROGRAMS TO BE...

- Proactive and patient centered
- Focused on prevention and outcomes
- Geographically distributed
- Collaborative and interdisciplinary
- Tele-health enabled



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 **INSTITUTE OF MEDICINE**
Health Care Quality Measures

1 Safe	4 Timely
2 Effective	5 Efficient
3 Patient-Centered	6 Equitable

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HOW IS CARE DELIVERED?

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HUB AND SPOKE CLINICS

- Clinic and Care Coordination Center is the “Hub Clinic”
- On-Site Clinics in the community are the “Spokes” at Skilled Nursing Facilities (SNF), Mental Health Campus (MH), School (K-12), Head Start (HS) etc.
- Spoke clinics can be up to about 1 hour from the Hub.
- We believe this is an optimal delivery system for people facing barriers to care



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Both on-site Oral Health and Dental Care Teams are deployed



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ORAL HEALTH AND DENTAL CARE TEAMS



Oral Health Team

- Led by the Collaborative Practice Hygienist, who uses lightweight equipment and travels in a car or minivan. It is linked to the dental care team.



Dental Care Team

- Led by the On-Site Dentist, it uses the Apple Tree Mobile Dental Office and includes dental therapists, hygienists, dental assistants, and others.

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COLLABORATIVE PRACTICE HYGIENISTS' ROLES

- They serve as "front-line clinicians" at community sites.
- They are members of the nursing facility's admission screening team, visiting at least monthly to complete admission or re-admission screenings.

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COMMUNITY CARE COORDINATORS



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Cloud-Based
**Electronic
Health Record**

Apple Tree has entered into Phase II meaningful use with our customized EHR

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Apple Tree's Center for Dental Health

The "Hub Clinic" supporting mobile delivery

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Imaging Room
(Cone Beam, Intra-oral)



Ambulatory Surgery Center
(Opening later this year)

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IV Sedation
(with Nurse Anesthetists)

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APPLE TREE "MULTI-SITE DELIVERY VEHICLE"

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Apple Tree Rochester Program
On-Site Care at a Nursing Facility



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Treatment in Wheelchairs



Patient Safe Handling



NURSING FACILITY PROGRAM



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ORAL HEALTH EDUCATION

NURSING FACILITY



Collaborative practice hygienist educates elders at the time of admission and educates CNA's and other caregivers during periodic education sessions.

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PREVENTIVE CARE

NURSING FACILITY

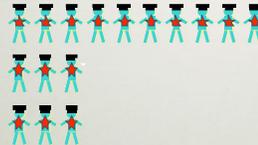
Fluoride Varnishes
Chlorhexidine Prescriptions
Daily Mouth Care Plans
Caregiver Supervision

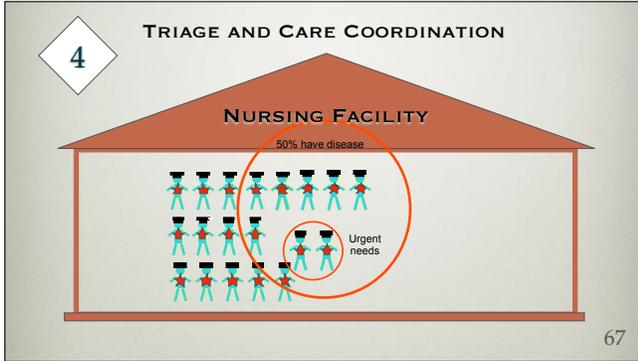


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DENTAL SCREENING (MDS)

NURSING FACILITY





THANK YOU AGAIN!

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