Dental Care in Rural Oregon

“A paradigms a set of rules and regulations (written or unwritten) that does two things: 1) it establishes or defines boundaries; and 2) it tells you how To behave in order to be successful”

Joel Barker, Paradigms, the Business of discovering the Future
Who am I?

“You manage within a paradigm. You lead between them.”

Joel Barker, 
Paradigms, the Business of discovering the Future

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There is not a shortage of money, there is a shortage of Vision, Courage and Commitment to do the right thing!

Mike Shirtcliff
Where Advantage is Located

Portland Gresham Hood River The Dalles

Hermiston Pendleton

Enterprise Joseph

Baker City

Ontario Nyssa

Madras Redmond Bend La Pine Prineville

Florence Reedsport North Bend Coos Bay Gold Beach Brookings

Grants Pass Medford Klamath Falls Lakeview

Hermiston Pendleton

* Advantage Communities are represented in green
Percent of children under age 18 without health insurance coverage: 2000 by county

Source: Experimental estimates from the U.S. Census Bureau Small Area Health Insurance Estimates (SAHIE) Program.
2006 Population
3,750,505

Insured
Oregon Health Plan 9%  340,000
Commercial Insurance 65%  2,437,828
Total Insured 74%  2,777,828
Uninsured 26%  972,676

Number of Oregon Dentists 2304 Ratio 1 dentist 1628 people
19 Rural Counties 287 Dentists Ratio of 1 dentist per 2157
Dentistry in Rural Oregon

• Shortage of Workforce
• Increase in Poverty
• Migration of Populations
• Change in Dental Attitudes
• Economics
• Others

And sooner or later, every paradigm begins to develop
A very special set of problems that everyone in the field wants to solve and no has a clue as to how to do it.”

Joel Barker
Paradigms, the Business of discovering the Future
Dental Workforce Shortage
1995 to 2020

Assume:
- number of graduates remains at 4,050;
- dentist retirement age of 65
Increasing importance of Oral Health

- Asthma
- Diabetes
- Arthritis
- Heart Disease
- Bacteremia
- Organ Disease
Early Dental Infection
Adolescence Dental Infection
Young Adulthood Dental Infection
Middle Age Dental Infection
Older Age Dental Infection
Streptococcus mutans
Transmission
Subsurface Lesion

Body of Subsurface Lesion

Plaque

Enamel

Intact Outer Layer

Advancing Lesion
The Philosophy of the Oregon Health Plan

There is a shortage of Health Care Resources
   So must be rationed
Ration Procedures rather the People and Payment Providers
   Prevention to reduce demand

“New paradigms put everyone at great risk. The higher ones position the Greater the risk. The better you are at you paradigm, the more you have invested In it, the more you have to lose by changing paradigms.”

   Joel Barker
   Paradigms, the Business of discovering the future
One Treatment Plan

Exams

Problem Focused
  - For Specific Problem
    - Prophy
    - Flouride Treatments
    - OHI & smoking less
  - Definitive Care
    - Dentures, Root Canals, Fillings
    - Crowns, Cast Partial, Root Planning
    & Curettage, periodontal surgery

Complete
  - For Standard Treatment plan
  - Eliminate Pathology
    - Extractions, debridement
    - Pulpotomies, Temp fillings
    - Caries arestment (silver flouride)
ONE MORNING...

The house is on fire! Hurry! Call the carpenters.

Not the carpenters! You ninny! They can't drive nails that fast! Call the fire department!

TWO DAYS LATER...

The dentist said we should learn to stop Johnny's decay before we repair his teeth.

That's ridiculous! I just want the teeth fixed.

THAT EVENING...

Repairing decay before controlling it seems as bad as calling the carpenters when the house is on fire.

Hmm...
Three things shown to Reduce Dental Disease in poorer Oregonian

- Dental Home
- Daily use of Fluoride
- Home visits

“It is still a great risk in our society to offer new rules to the game.”

Joel Barker
Paradigms, the Business of Discovering the Future
New Paradigms

• Evidence Based Care
  Klamath County ECCP
• Wrap Around Services
  Integration of Physical, Mental, Dental, Pharmacy Health, Etc.
• Different Standards of Care
  Institutional Comfort Care, SBIRT and Meth
• New Technology
  Silver Fluoride, Fluoride Varnish
• Different Delivery Systems
  School Based Clinics, Walk in Clinics
• Expansion of Work Force
  Expanded Function Assistants, Independent Practice Hygienists
Toothpaste

A small pea-sized amount of toothpaste weighs 0.4 gm
= 0.6 mg Fluoride
Xylitol is a naturally occurring sugar alcohol with 1/3 less calories than sucrose. FDA approved food additive. Safe for diabetics.

Effective dose 4-6 mg/day in gum or mints
Early Childhood Caries
Prevention Project
Klamath Falls, OR

- Robert Wood Johns Foundation Grant
- 400 OHP pregnant moms qualified for study
- Protocol developed to eliminate tooth decay among 2 yr olds by significantly reducing oral infection in mom.
- Increase efficiency and effectiveness of public tax money that supports oral health.
- $8,000-$10,000 for hospital treatment of 2 yr olds with Early Childhood Cavities
- <$500 average cost to prevent transmission and treat 2 year olds, Ergo: Twenty Medicaid mothers and at least 20 children can access care that will result in a lifetime of reduced cavities.
Conundrum

Percentage of Dollars Spent on Dentistry

Class I Services  25%
Class II Services  40%
Class III Services 35%

35% X $1.5 Billion spent on Dental Care in 2006 = $535 Million

972,672 uninsured X $22 average OHP Cap Rate = $223,442,240 of which a 40%
State match would be $89,376,968

In as sophisticated as society as we have, how can we pay for crowns and bridges,
of which 50% probably are not necessary, on people who can afford them and
let 35% of our citizens go without even basic oral health care?
“What do I believe is impossible to do in my field but, if it could be done, would fundamentally change my business?”

- Paradigms, The Business of Discovering the Future
  Joel Arthur Barker