

Crook County School-Based Oral Health Project

Pioneer Memorial Hospital

Prineville

Why should a Critical Access Hospital care about dental health?

In 2008 at Pioneer Memorial Hospital, we saw 330 ER visits related to dental problems.

Many were repeat visits, either for the same problem or the same person seen for several problems over the course of the year.

How much time does your ER spend on patients with bad teeth? And how many dollars are lost from non-payment?



What's the problem?

20% unemployment rate

60+% free and reduced school lunch

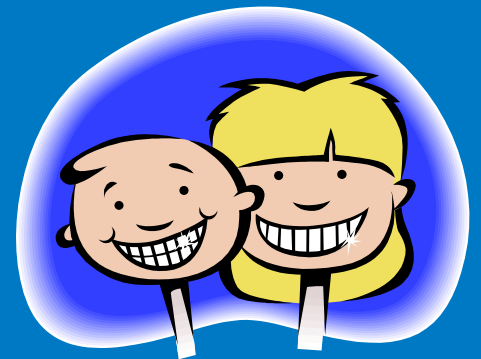
School in financial crisis

Dental professional shortage (low-income)

One dentist sees OHP

No fluoridated water

**Oregon has 7th worst rate of decay
in the US**



2007 Oregon Smile Survey

- 1st, 2nd, 3rd graders
- Nearly 2/3 of students have had a cavity, 100% preventable
- Low-income, 3x the rate of rampant decay

Biggest reason for missing school

Worked with CHIP committee:

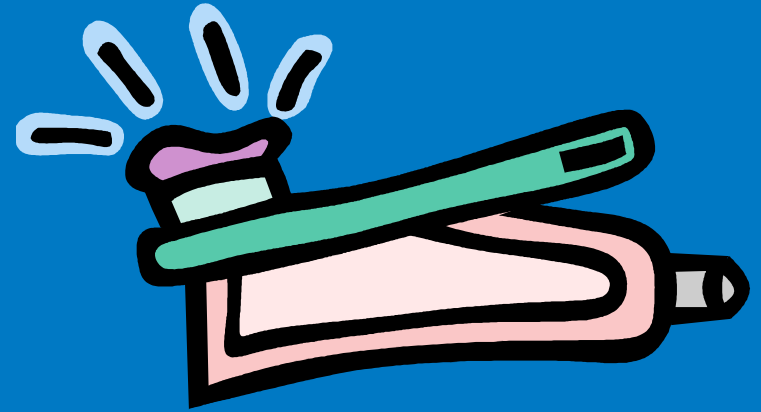
- school nurse
- dentist
- Head Start wellness specialist



School-Based Fluoride Varnish Program

- **Free to students**
- **K-5**
- **Twice a year**
- **Relatively inexpensive - \$1.25 per application**
- **2008 – 2009, we applied varnish to 708 students – 46%**



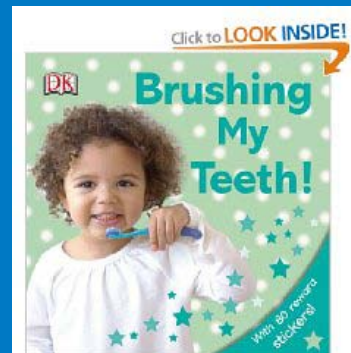
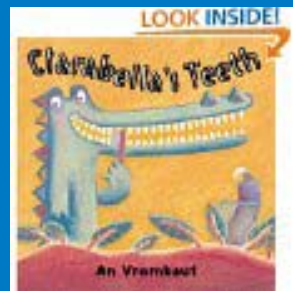
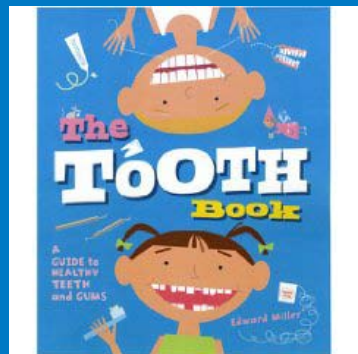
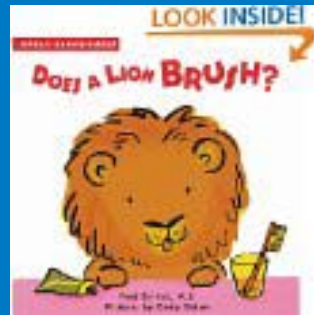
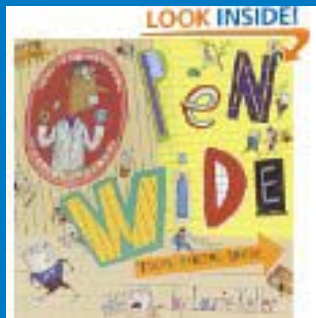
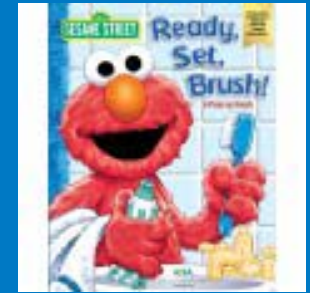


Tooth Tool Kits

- **Toothbrush, toothpaste, floss**
- **Distributed twice a year**
- **Every student K-5**
- **County library Story Time and Wee Read**
- **Early childhood screening**
- **Community events**
- **3,200 kits**

Dental Books Across Crook County

- 135 children's book on how to care for teeth
- Donated to elementary school libraries, Head Start, county library, Christian School, early childhood center



Funded by Rotary of Prineville

Cascades East AHEC Puppet Shows

- K-5
- 266 students
- Classroom activities, education, fun!



County Library Story Time & Dental Displays



Decayed, Missing & Filled Teeth Study – Nov. 2008

- **K-5**
- **1,347 students**
- **42.61% with untreated decay**
- **Some classes with 60%+ untreated decay**
- **Some students with rampant decay of 10 or 15 cavities, multiple fillings**

How did we do DMF?

- **Volunteer dentists**
- **Volunteer dental hygienists**
- **OHSU dental students – our heroes!**
- **During regular school screenings**
- **School nurse compiled results**

**5 dental students,
volunteer dentists,
coordinator**



**Head Start wellness
specialist records
results**

How did we pay for all of this?

- **Grants**

- **Juan Young Trust**
- **The Oregon Community Foundation**
- **Crook County Administration**
- **Rotary Club of Prineville and District Rotary**
- **Dental Foundation of Oregon**
- **Cascade Healthcare Community**
- **South Valley Bank**

Volunteers

What's next?

- **One class as control group**
 - Track the class for several years**
 - Intensive parent education**
 - Lifestyle data collection**
- **Parent education - Won't get anywhere without involving and educating parents**
 - PTO
 - School newsletters
- **Strong support from school district**
- **Keep doing what we're doing – varnish & Tooth Tool Kits**
- **Sustainability**
 - In 3-5 years, can school district pay for varnish?**

Can YOU do something?

- **Absolutely!**

SHOULD you do something?

- **Absolutely!**
- **Mitchell dental clinic**
- **OHSU dental student rural rotations**
- **Primary care involvement – WIC/public health, Klamath Falls research project (good dental health begins BEFORE birth)**

- **Medical Teams International Dental Van**
- **Dental Foundation Tooth Taxi**
 - **Both face shortage of volunteer dentists**
- **King Fluoride Program**



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