



THE ORAL HEALTH OF THE AI/AN POPULATION
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ORAL HEALTH FROM A NATIONAL PERSPECTIVE (ALL RACES)



A TALE OF TWO GENERATIONS



GENERATION #1: CHILDREN BORN 1949-58 (BABY BOOMERS)

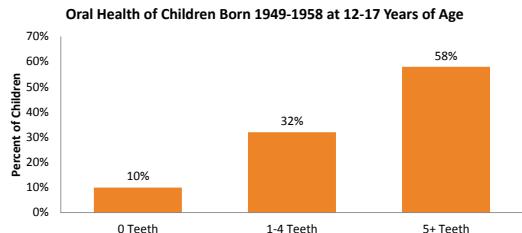


ORAL HEALTH OF BOOMERS IN 1966-70



U.S. ORAL HEALTH SURVEY: 1966-1970

Oral Health of Children Born 1949-1958 at 12-17 Years of Age



Number of Permanent Teeth with a History of Decay	Percent of Children
0 Teeth	10%
1-4 Teeth	32%
5+ Teeth	58%

Data Source: National Health Survey, 1966-1970, www.cdc.gov/nchs/data/sr11/sr11_144acc.pdf

AMERICA IN TRANSITION

Economic/Social Changes

- Higher standard of living
- More universal education
- Improved housing
- Medicaid
- Urbanization
- Unionization

AMERICA IN TRANSITION

Oral Health Specific Changes

- Water fluoridation
 - 1950s & 1960s
- Fluoride toothpaste
 - 1960s
- Other topical fluorides

AMERICA IN TRANSITION

Oral Health Specific Changes

- Higher quality dentistry
 - "Pain-free" dentistry
- Increased access to care
 - Employee benefits (1954)
 - Delta Dental – CA, OR, WA
 - Pilot program for children of longshoremen
 - Medicaid (1965)

GENERATION #2: CHILDREN BORN 1982-1988 (ECHO BOOMERS)

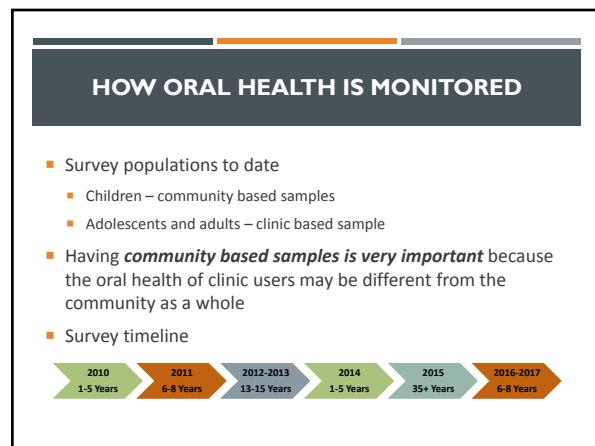
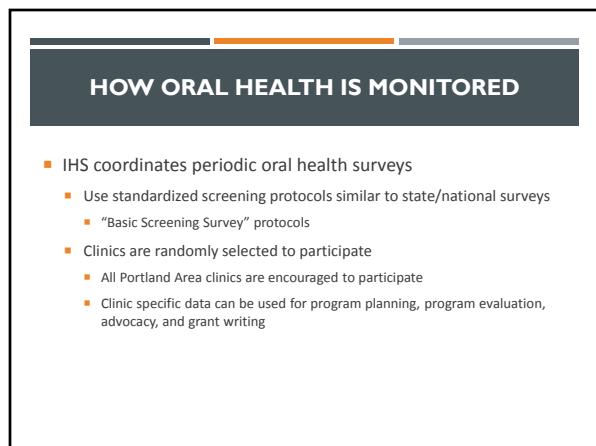
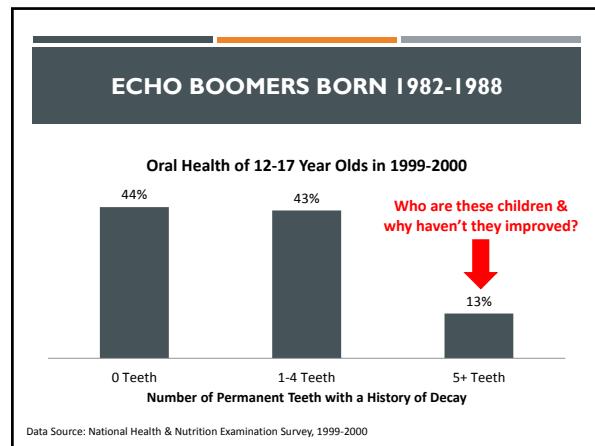
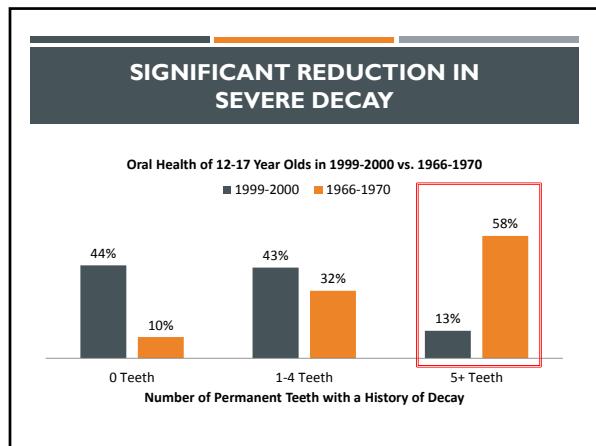
ORAL HEALTH OF ECHO BOOMERS IN 1999-2000

U.S. ORAL HEALTH SURVEY: 1999-2000

Oral Health of Children Born 1982-1988 at 12-17 Years of Age

Number of Permanent Teeth with a History of Decay	Percent of Children
0 Teeth	44%
1-4 Teeth	43%
5+ Teeth	13%

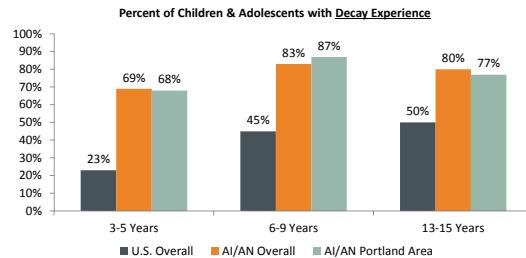
Data Source: National Health & Nutrition Examination Survey, 1999-2000



OVERALL SUMMARY

- Regardless of age, AI/ANs have more dental disease and less access to care than other populations in the United States
 - Dental caries is a significant health problem for AI/ANs
 - Periodontal disease is a significant health problem for AI/AN adults
 - Many AI/ANs are not getting the dental care they need
 - Portland Area has less untreated decay than IHS overall
- Early prevention, before the age of two, is essential to reduce the prevalence of dental caries in AI/AN children
- Dental sealants are an essential preventive strategy but the appropriate children and teeth need to be targeted

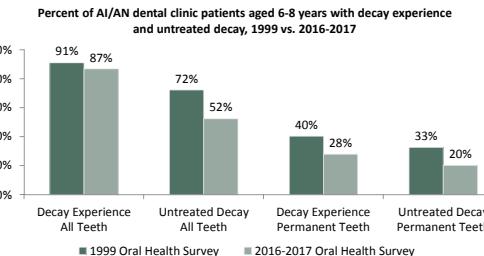
AI/AN CHILDREN HAVE MORE DISEASE THAN OTHER POPULATION GROUPS



POTENTIAL REASONS FOR HIGH DISEASE RATES

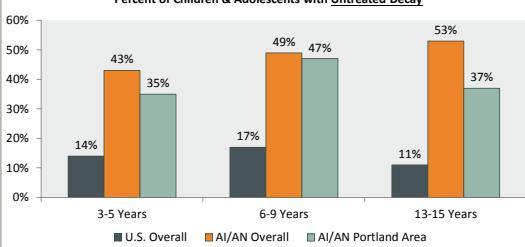
- AI/AN children ...
 - Erupt earlier than other populations
 - Acquire oral bacteria earlier than other populations
 - Have a higher prevalence of developmental enamel defects
- Social inequities ...
 - Disparities in power and wealth, often accompanied by discrimination, social exclusion, poverty and low wages, lack of affordable housing, exposure to hazards and community social decay
 - Percent living in poverty: 28% for AI/ANs, 16% for the U.S. Overall
 - Oglala Lakota County, SD: 53% live in poverty

ORAL HEALTH IS IMPROVING



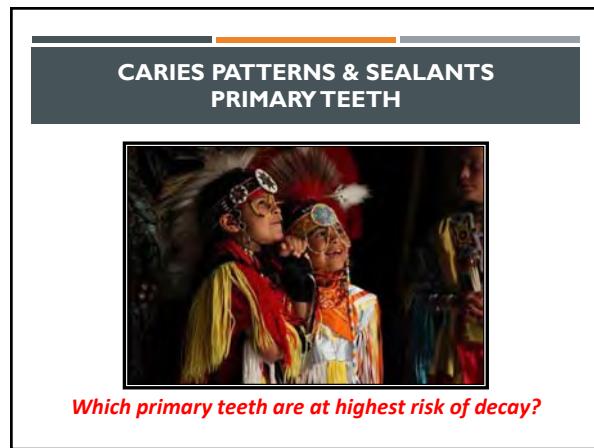
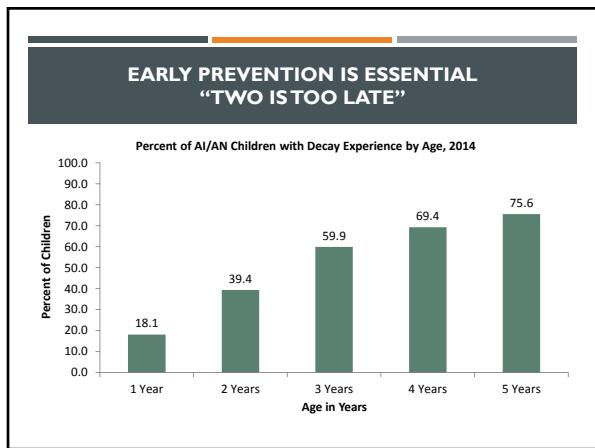
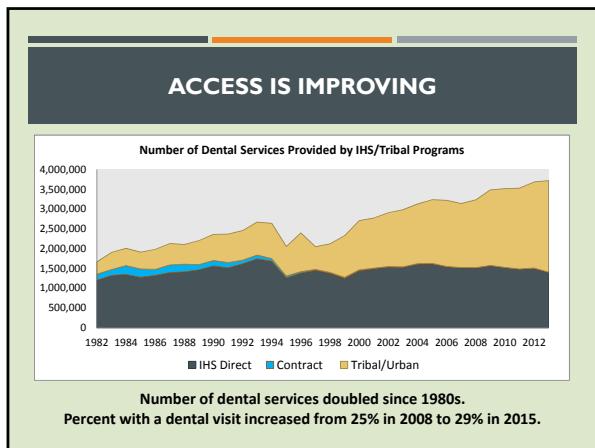
AI/AN CHILDREN HAVE LESS ACCESS TO CARE THAN OTHER POPULATION GROUPS

Percent of Children & Adolescents with Untreated Decay



POTENTIAL REASONS FOR LOW ACCESS

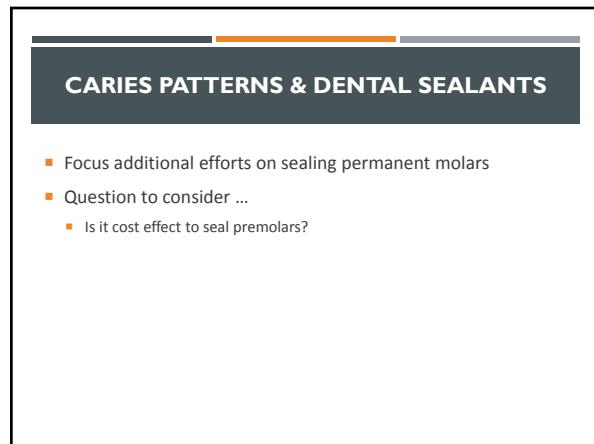
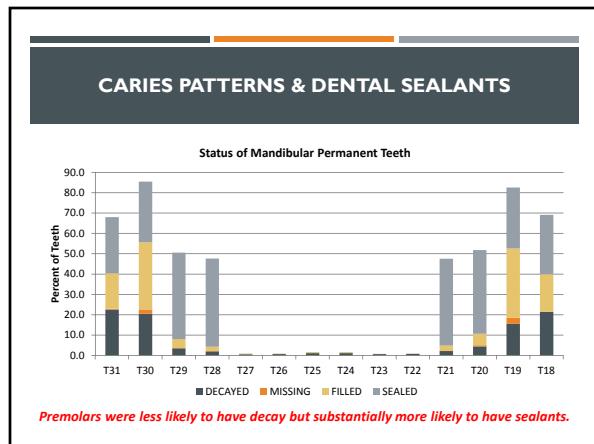
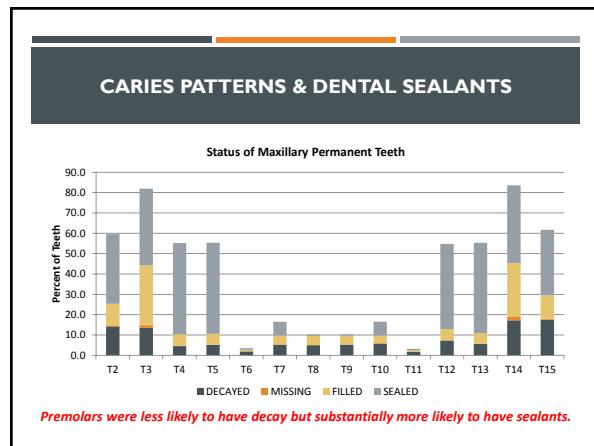
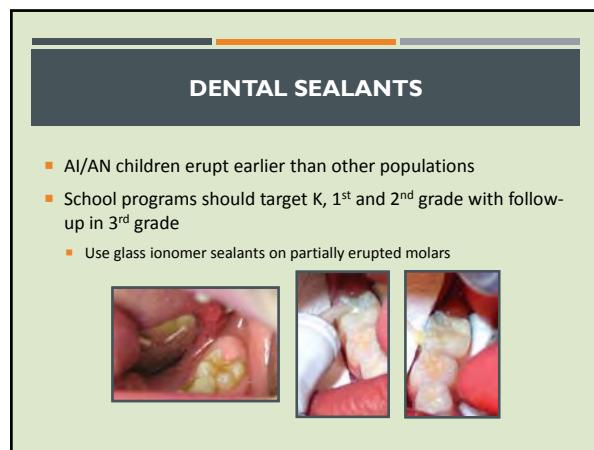
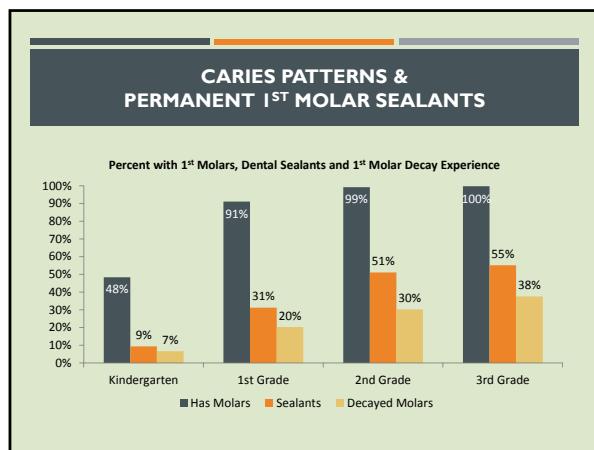
- IHS/tribal programs are under funded
 - General U.S. Population: \$291/person in 2013
 - Population served by IHS/tribes: \$99 per person in 2011
- IHS/tribal programs have fewer dentists per person
 - General U.S. population: 1,525 people per dentist
 - Population served by IHS/tribes: 2,800 AI/AN patients per dentist
- People may not seek dental care
 - General U.S. population: 42% had dental visit in past year
 - Population served by IHS/tribes: 29% had dental visit in 2015



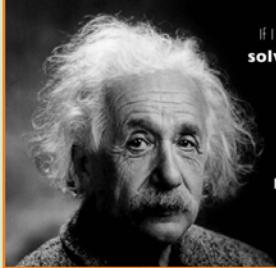
CARIES PATTERNS & PRIMARY MOLAR SEALANTS

- Teeth at highest risk in children 1-5 years
 - Mandibular 1st molars**
 - Maxillary central incisors
 - Mandibular 2nd molars
 - Maxillary 1st molars
 - Maxillary 2nd molars
- Primary molar sealants must be in prevention “package”





ANY QUESTIONS?



If I had an hour to
solve a problem and my
life depended on it,
I would use the
first 55 minutes
determining the
proper questions to ask.

Albert Einstein