# Oral Health: Oropharyngeal Cancer, Tobacco, and HPV

Eric Vinson Northwest Tribal Comprehensive Cancer Program August 2018 **Northwest Tribal Dental Conference** 





# Objectives

Following the session participants will be able to

- Describe the burden of Oropharyngeal Cancer on Northwest AI/AN
- Create a tobacco assessment/cessation program
- Create a HPV assessment/referral program



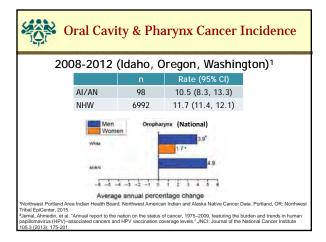
# Take home message

- Implement a tobacco screening system
- Advise patients to stop using commercial tobacco
- Refer for tobacco cessation
- Ask patients or their parents if they have the HPV immunization
- Refer for HPV immunization

8/10/2018

# **OROPHARYNGEAL CANCER AND OUTCOMES**

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Oral Cavity & Pharynx Cancer Mortality

2008-2012 (Idaho, Oregon, Washington)1

	n	Rate (95% CI)
AI/AN	30	4.4 (2.8, 6.8)
NHW	1644	2.6 (2.5, 2.8)

41% lower 5 year survival than NHW<sup>2</sup>

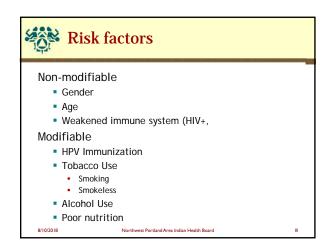
Northwest Portland Area Indian Health Board, Northwest American Indian and Alaska Native Cancer Data,

Portland, OR: Northwest Triblad Ficiente, 2015.

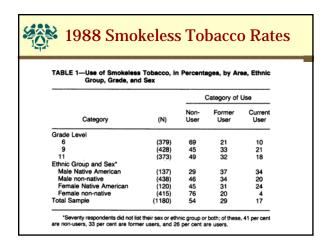
Portland, OR: Northwest Triblad EpiCenter, 2015.

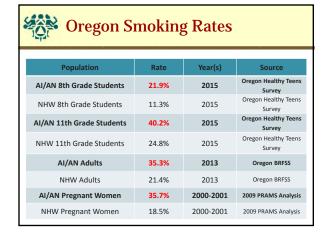
Jemal, Ahmedin, et al. 'Annual report to the nation on the status of cancer, 1975–2014, featuring survival'. JNIC: Journal of the National Cancer Institute 109,9 (2017): djxx30.

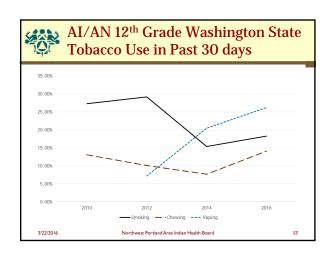
# RISK FACTORS: OROPHARYNGEAL CANCER 8/10/2018 Northwest Portland Area Indian Health Board 7

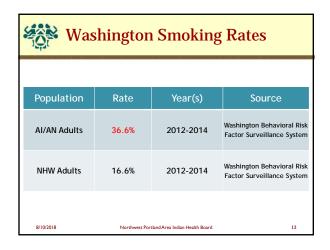


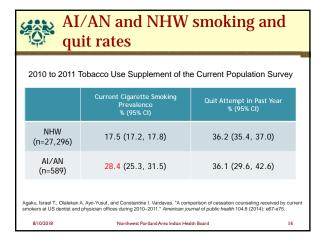


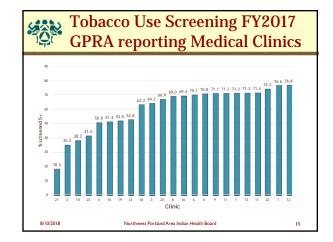


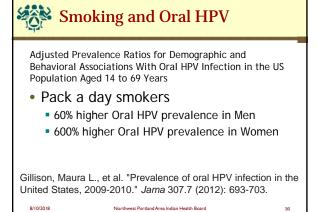


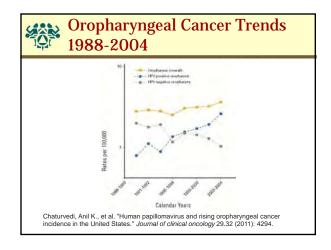


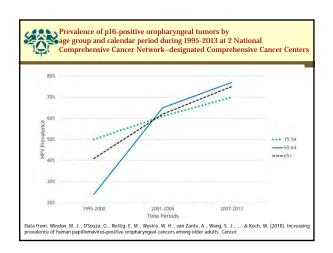










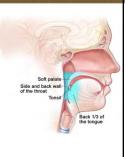




# Oropharyngeal cancer

 ~20 new AI/AN cases annual in Idaho, Oregon, and Washington





# **ADA Policies and** Recommendations on Tobacco Use

6, 11

2, 4, <u>6</u>, 40, 57

13, 32, 55

<u>6</u>, <u>11</u>, <u>16</u>, <u>18</u>

<u>16, 18, 31, 33, 35, 39, 45,</u> 51, <u>52, 56, 58, 69, 66, 68, 73</u>

 $\underline{6}$ ,  $\underline{11}$ , 42, 43, 44, 53, 54, 55, and others

Professional education related to the importance of primary prevention

9 Valent HPV vaccine protects against 6, 11, 16, 18, 31, 33, 45, 52, 58

HPV and the oral cavity

Disease

Oropharyngeal cancer

Squamous papilloma

Condyloma acuminatum

Focal epithelial hyperplasia

Oral potentially malignant

Verruca vulgaris

disorders

- Members to become fully informed about tobacco cessation intervention techniques to effectively educate their patients to overcome their addiction to tobacco.
- Training and education for dental professionals to ensure that all clinicians in the United States have the knowledge, skills and support systems necessary to inform the public about the health hazards of tobacco products and to provide effective tobacco cessation strategies.
- Provide educational materials on tobacco use prevention or cessation to patients and consumers developed by credible and trustworthy sources with no ties to the tobacco industry or its affiliates.

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8/10/2018



# **Tobacco Use Assessment**

Table 6.5. Meta-analysis (1996): Impact of having a tobacco use status identification system in place on abstinence rates among patients who smoke (n = 3 studies)

Screening system	Number of arms	Estimated odds ratio (95% C.I.)	Estimated abstinence rate (95% C.I.)
No screening system in place to identify smoking status (reference group)	3	1.0	3.1
Screening system in place to identify smoking status	3	2.0 (0.8-4.8)	6.4 (1.3-11.6)

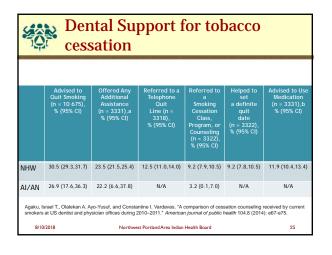
Tobacco, The Clinical Practice Guideline Treating. "A clinical practice guideline for treating tobacco use and dependence: 2008 update: a US public health service report." *American journal of preventive medicine* 35.2 (2008): 158.



### **Tobacco Cessation Counseling and Medication**

Table 6.24. Meta-analysis (2008): Effectiveness of and estimated abstinenc rates for the combination of counseling and medication vs. counseling alone (n = 9 studies)

Treatment	Number of arms	Estimated odds ratio (95% C.I.)	Estimated abstinence rate (95% C.I.)
Counseling alone	11	1.0	14.6
Medication and counseling	13	1.7 (1.3-2.1)	22.1 (18.1-26.8)





# Dentist can make a difference

Ask your patients about smoking Increase quit rates by 20%! Those who quit had the best

• periodontal response. 10 years of staying quit = same periodontal status of non-smokers!



# **Recommendation: Smokeless** tobacco

- · Smokeless tobacco users should be identified, strongly urged to quit, and provided counseling cessation interventions. (Strength of Evidence =
- · Clinicians delivering dental health services should provide brief counseling interventions to all smokeless tobacco users. (Strength of Evidence = A)

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# Hope

- Quit cold turkey = 5% success rate
- Provider advise = 18%
- Pharmacotherapy more than doubles long term quit rates
- NRT + counseling increases success
  - Safe to double up on patches
  - Safe to use nicotine while using Nicotine replacement



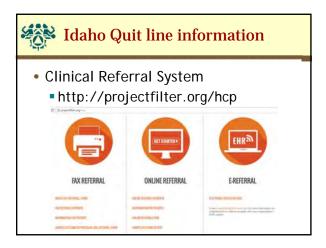
# **TOOLS**



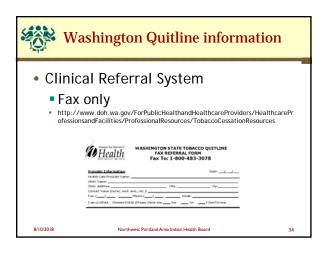
# Cessation Curriculums

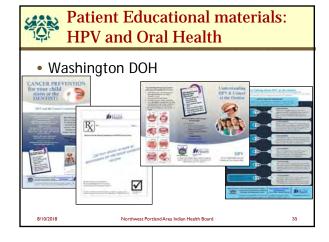
- Second Wind
  - ACS Fresh Start
- AI/AN brief intervention
  - 5 A's
- Beyond the 5 A's
  - Red Star
- · Freedom from cigarettes ALA
- N-O-T (teen cessation) ALA
- · RX for change
  - 5 A's
- ANTHC/Mayo
  - Tobacco Treatment Specialist Training Programs
  - 5 A's

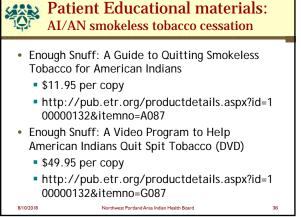














# Dental Records System

From: DENTRIX ENTERPRISE 8.0.5 USER'S GUIDE for Indian Health Service

- OHSS Report (Oral Health Status Survey)
  - Using Tobacco The total number of patients with a condition code 15203 Tobacco Use in the age
  - group divided by the total number of patients in the age group.
  - Each patient is counted only once.

# Dental Records System (continued)

From: David A. Reznik, D.D.S. Chief, Dental Medicine Director, Oral Health Center, Infectious Disease Program President, HIV Dental Alliance

- Dentrix does have the ability to create patient alerts, which can include HPV vaccination information and smoking cessation.
- The icon is a "little guy holding a flag".
- You can determine how often the alert pops up.
- Also, tobacco counseling can be entered into Dentrix under the Preventive section D1320 code, which you can look up.

## **IMPLEMENTATION**

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# What is your clinic doing

- MA ask
- Provider advises
- Refers to behavioral health, pharmacy, cessation counselor
- Arrange -
  - Group or one on one counseling
  - Follow up constant (alumni group)

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# Why dental professionals?

- Oral cancer screening examinations
- Frequent visit compared to other health care providers
- Evidence of dentists playing a preventative role has been demonstrated in the area of tobacco cessation

Asian Pacific Journal of Cancer Prevention.2015 16(10) 4429-4434 Public Health. 2014 March; 128(3): 231-238



# Why dental professionals?

Dentists make a significant difference

- · Educating on HPV
- Explaining that HPV causes oropharyngeal cancers
- Showing how to perform oral cancer screenings
- Referring patients to get vaccinated

Public Health. 2014 March; 128(3): 231-238



# Take home message

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- Advise patients to stop using commercial tobacco
- Refer for tobacco cessation
- Ask patients or their parents if they have the HPV immunization
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# Contact Information

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8