

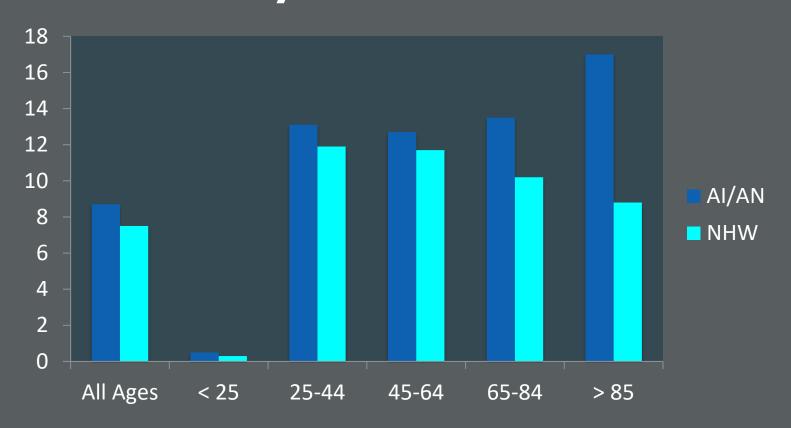
Special Focus on Cervical Cancer: Where are we at and what's next?

Disclosures

None

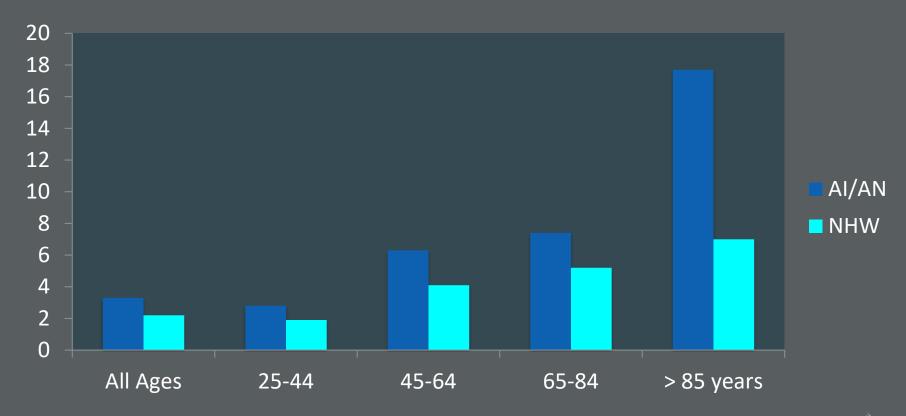


National Cervical Cancer Incidence Among Al/AN Women





National Cervical Cancer Mortality Among Al/AN Women





But how do things look in the Pacific Northwest?







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Gynecologic cancer incidence and mortality among American Indian/ Alaska Native women in the Pacific Northwest, 1996–2016



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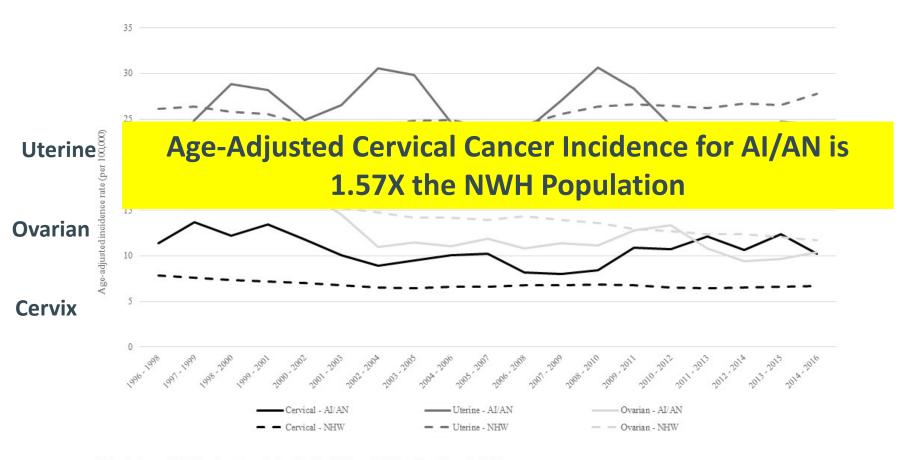
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HIGHLIGHTS

- AI/AN women have a higher incidence of cervical cancer and a higher mortality from this disease than their NHW counterparts.
- · Incidence and mortality for ovarian cancer were similar between AI/AN women and NHW women.
- AI/AN women have a higher rate of mortality from uterine cancer than NHW women, despite similar incidence rates.

Incidence of Gynecologic Cancers in PNW

Figure 1. Trends in age-adjusted cervical, uterine, and ovarian cancer incidence rates among AI/AN and NHW, Northwest Region, 1996-2016.



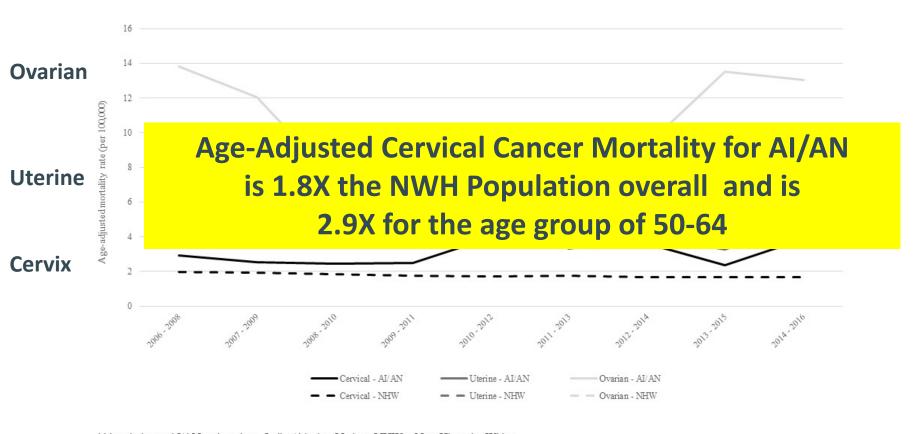
Abbreviations: AI/AN = American Indian/Alaska Native; NHW = Non-Hispanic White

Characteristics of AI/AN and NHW diagnosed with cervical cancer

	AI/AN	NHW
Age at Dx*	44.7	49.2*
Age Group*		
< 35	21.7%	17.0%
35-49	45.7%	39.6%
50-64	25.8%	26.1%
65+	6.8%	17.4%
Stage at Dx		
Localized	43.0%	51.5%
Regional	33.9%	29.9%
Distant	15.8%	11.6%

Mortality from Gynecologic Cancers in PNW

Figure 2. Trends in age-adjusted cervical, uterine, and ovarian cancer mortality rates among AI/AN and NHW, Northwest Region, 2006-2016.



Abbreviations: AI/AN = American Indian/Alaska Native; NHW = Non-Hispanic White



Characteristics of AI/AN and NHW dying from cervical cancer

	AI/AN	NHW
Age Group*		
< 50	0.8%	0.9%
50-64	10.4%	3.6%
65+	7.1%	4.6%
County of Residence*		
Metropolitan	3.2%	1.7%
Non-metropolitan	3.1%	2.0%

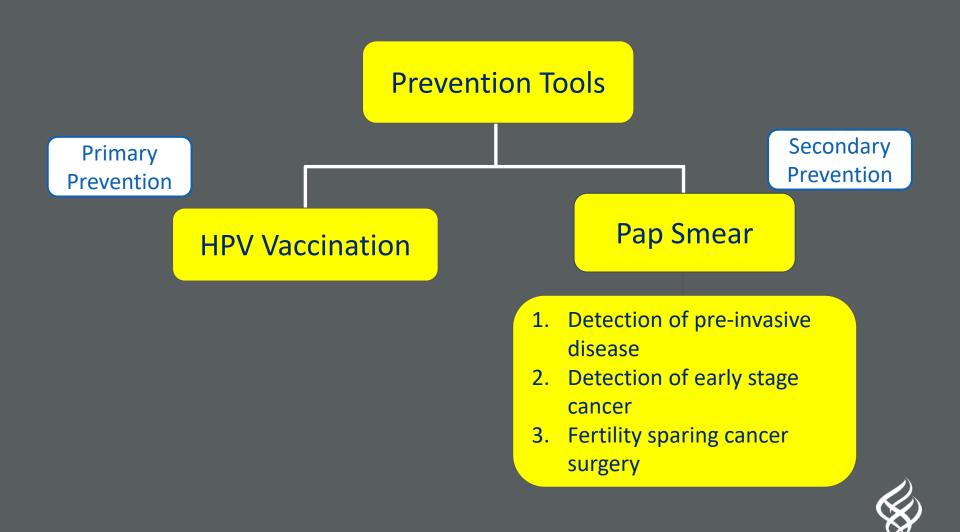


How do things look in the Pacific Northwest?

They Could Be Better: Cervical Cancer is PREVENTABLE!



Cervical Cancer Prevention



Advisory Committee on Immunization Practices (ACIP) HPV Vaccination Guidelines

PATIENT POPULATION	# HPV VACCINE DOSES	INTERVAL BETWEEN DOSES
Individuals Ages 9 – 14 (EXCEPT immune compromised)	2	0,6 months OR 0, 12 months
Individuals Ages 15-45 AND immune compromised patients	3	0, 1, and 6 months OR 0, 2, and 6 months



HPV Vaccination Is Safe, Effective, and Provides Lasting Protection

* HPV Vaccine is **SAFE**

- Benefits of HPV vaccination far outweigh any potential risks
- Safety studies findings for HPV vaccination similar to safety reviews of MCV4 and Tdap vaccination

* HPV Vaccine WORKS

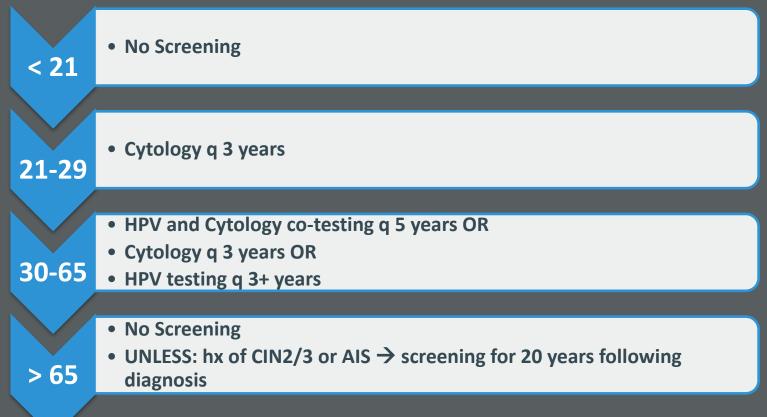
- Population impact against early and mid outcomes have been reported in multiple countries

* HPV Vaccine LASTS

- Studies suggest that vaccine protection is long-lasting
- No evidence of waning protection



Cervical Cancer Screening – Guidelines for General Population



Cervical Cancer Screening – American Cancer Society Updates

< 25

No Screening

25-65

• Should have a primary HPV test every 5 years. Co-testing every 5 years or cytology every 3 years acceptable.

> 65

- No Screening
- UNLESS: hx of CIN2/3 or AIS → screening for 20 years following diagnosis



Cervical Cancer Screening in HIV + women

- Cervical cancer screening with cytology should begin within one year of diagnosis (this includes women < 21 years of age)
- OR....within one year after the initiation of sexual activity

 Cervical cancer screening should continue for the duration of a woman's lifetime (i.e. do not stop at age 65)



What are next steps for AI/ANs in PNW?



Is the research being done in Indian Country?

Are AI/AN women undergoing pap smears and are AI/ANs getting Vaccinated?

What are the barriers and facilitators to accessing prevention?





Is the research being done in Indian Country, if yes, what type?





 What is known and what gaps exist in the literature regarding the following categories in Al/ANs:



- Cervical cancer epidemiology
- Cervical Cancer screening and prevention
- Cervical cancer diagnoses





Are Al/AN women undergoing pap smears and are Al/ANs getting Vaccinated?



NATIONAL DATA	AI/AN (%)	NHW (%)
Up-to-date pap smear	54.8	69.0
Received Full HPV Vaccination	48.0	41.9

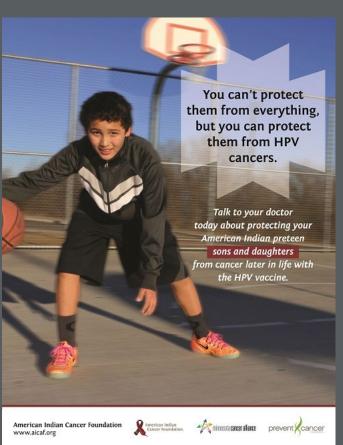


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Are Al/AN women undergoing pap smears and are Al/ANs getting Vaccinated in Oregon?



Research Goals:

- Determine the Utilization of HPV vaccination initiation and completion among AI/ANs in Oregon
- Determine the adherence to pap smear screening guidelines among AI/AN womer in Oregon



What are the barriers and facilitators to accessing available prevention tools?



Research Plan:

- Focus groups of providers and community members
- Identify strengths and areas of needed support among communities with high and low utilization of prevention tools









Take Home Points

 Both nationally and regionally, AI/AN women have persistently suffered an undue burden of cervical cancer disparities.

Age-Adjusted Cervical Cancer Incidence for AI/AN is 1.57X the NWH Population

Age-Adjusted Cervical Cancer Mortality for AI/AN is 1.8X the NWH Population overall and is 2.9X for the age group of 50-64



Take Home Points Cervical Cancer is PREVENTABLE!

Vaccinate!

- FDA Approval for ages 9-45
 Target ages 11-12
 Safe, Effective, Long-lasting

Get Pap Smears Updated!

- Discuss best screening strategy with provider



Take Home Points

Partner with local and regional community members to create solutions!





Thank You