

Every year in the U.S., 27,000 people get cancer caused by HPV.



That's 1 person every 20 minutes of every day, all year long.

Most of these cancers can be prevented by HPV vaccine.

What's the big deal about HPV?

- Most common STI in the world
- Huge impact on health of women and men
- Can lead to genital warts, precancerous conditions, and cervical, genital, anal and oral cancers



SOMEONE YOU LOVE

THE HPV EPIDEMIC



HAVEPIDEMIC.COM
 [haveepidemic](https://twitter.com/haveepidemic)

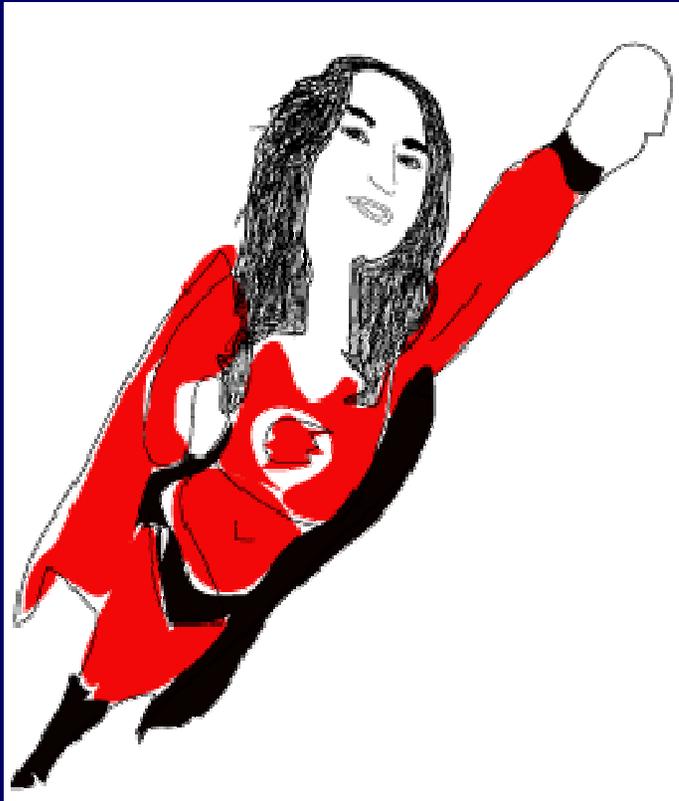
Oregon
Health
Authority

How can you prevent HPV-related disease?

- Abstain for sexual contact
- Use condoms
- Get vaccinated ←
- Continue routine Pap tests



Who should get HPV vaccine?



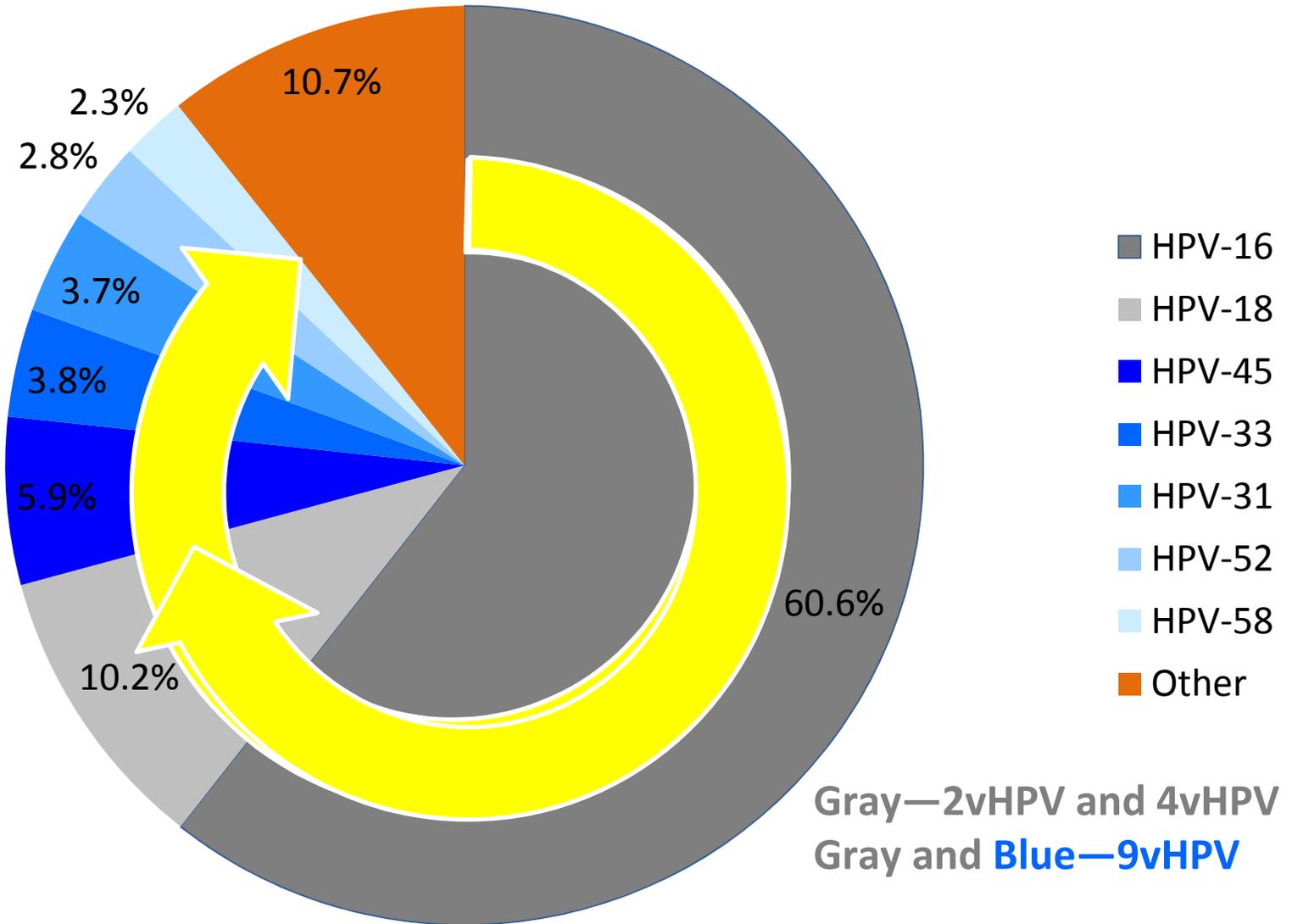
- 3 dose series
- 9-26 years of age



What HPV vaccines are available?

	2vHPV	4vHPV	9vHPV
Females	Yes	Yes	Yes
Males		Yes	Yes
Low risk types 6/11 (warts)		Yes	Yes
High risk types 16/18 (cancer)	Yes	Yes	Yes
High risk types 31/33/45/52/58			Yes

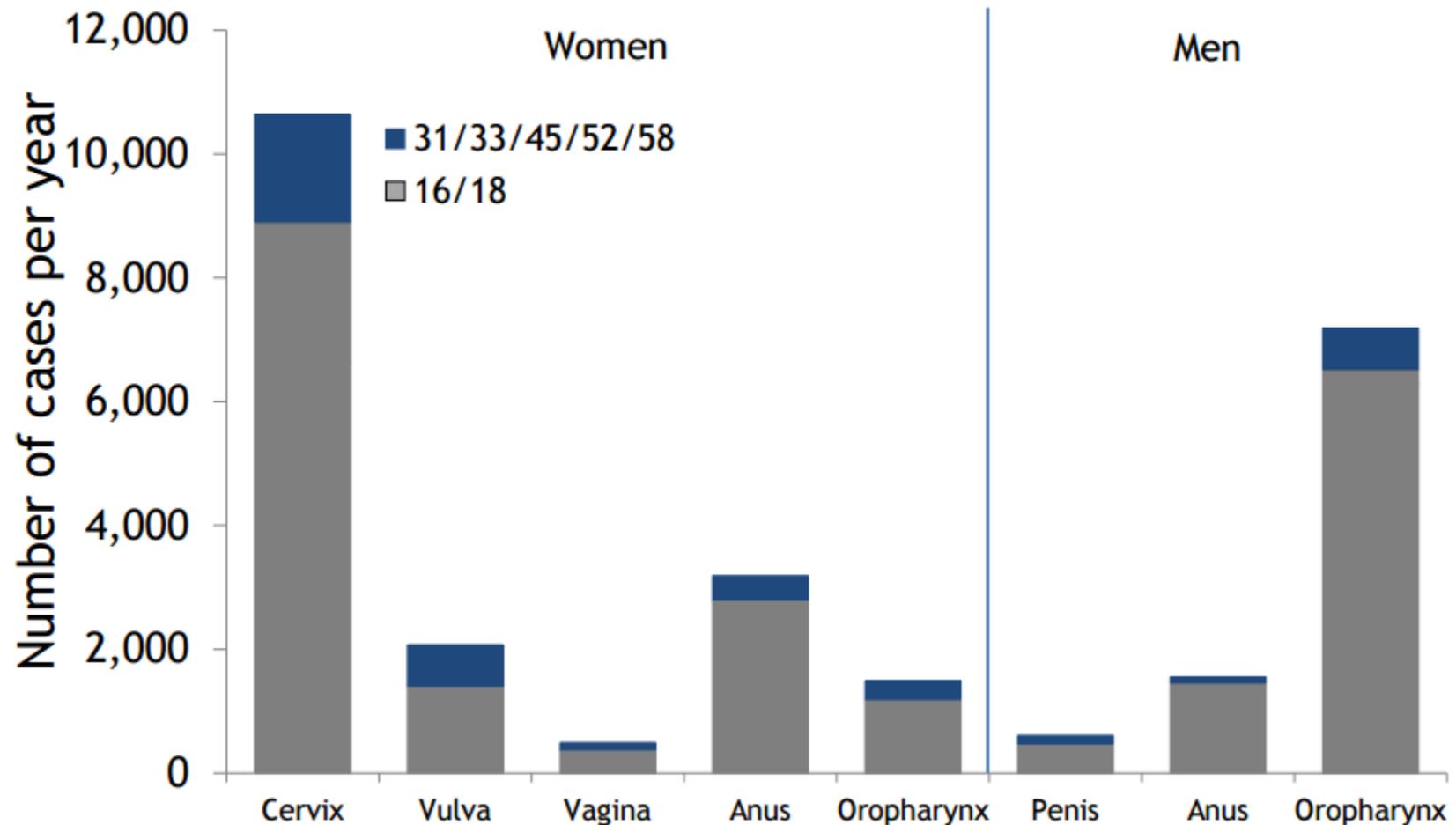
Percent of Cervical Cancer Cases by HPV Type



Adapted from Plotkin et. al., Vaccines, 6th edition, figure 16-11, page 253

9-valent HPV vaccine

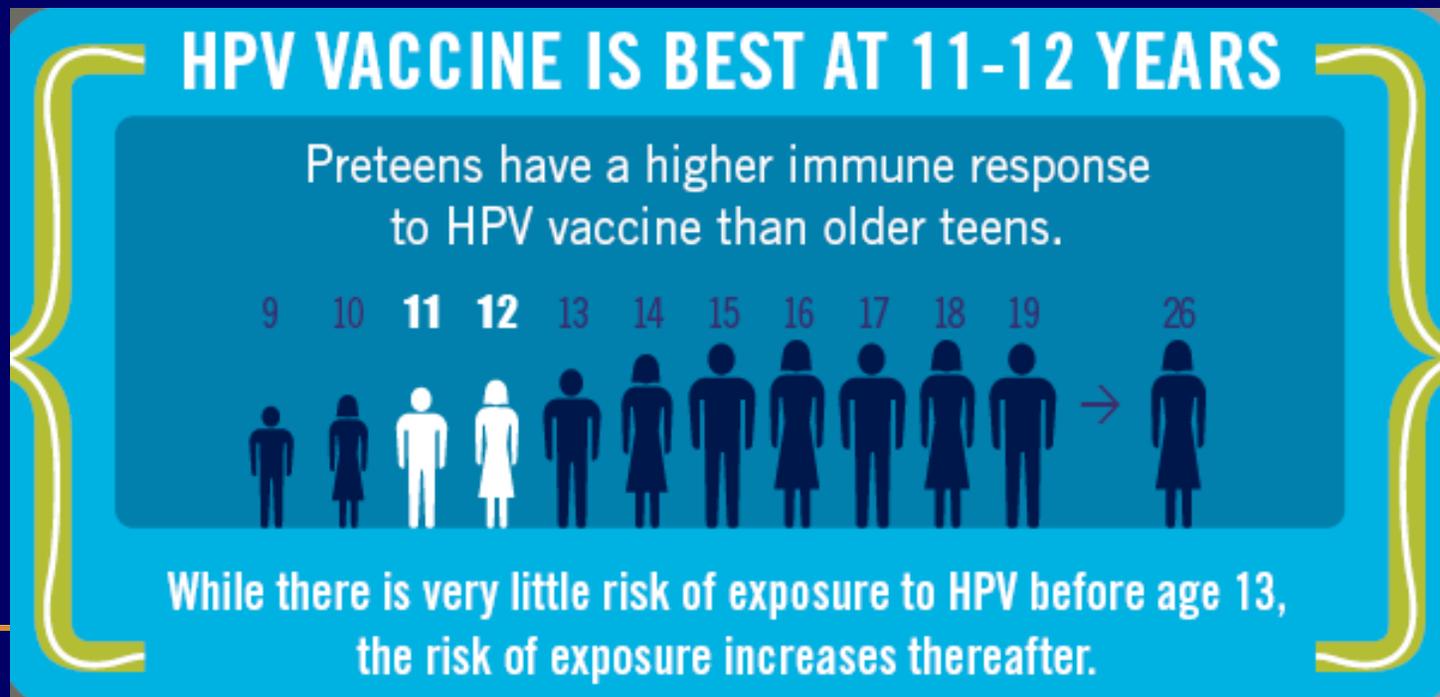
Potential for additional cancer prevention in the U.S.



Ref: 1) Jemal JNCI 2013; 2) Saraiya, JNCI (under review)

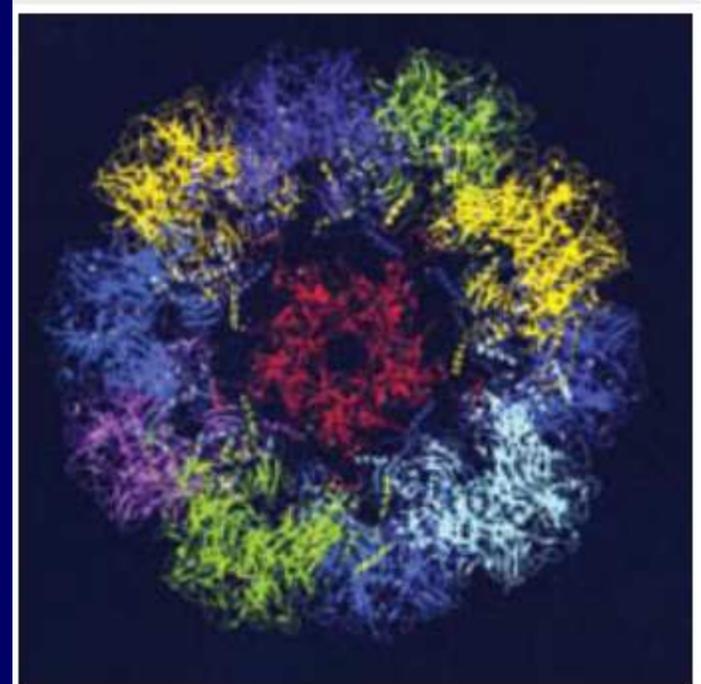
How well do the vaccines work?

- Very good at:
 - Generating immune responses
 - Protecting against CIN if no exposure to HPV
- Cancer is a long term outcome



What are the side effects?

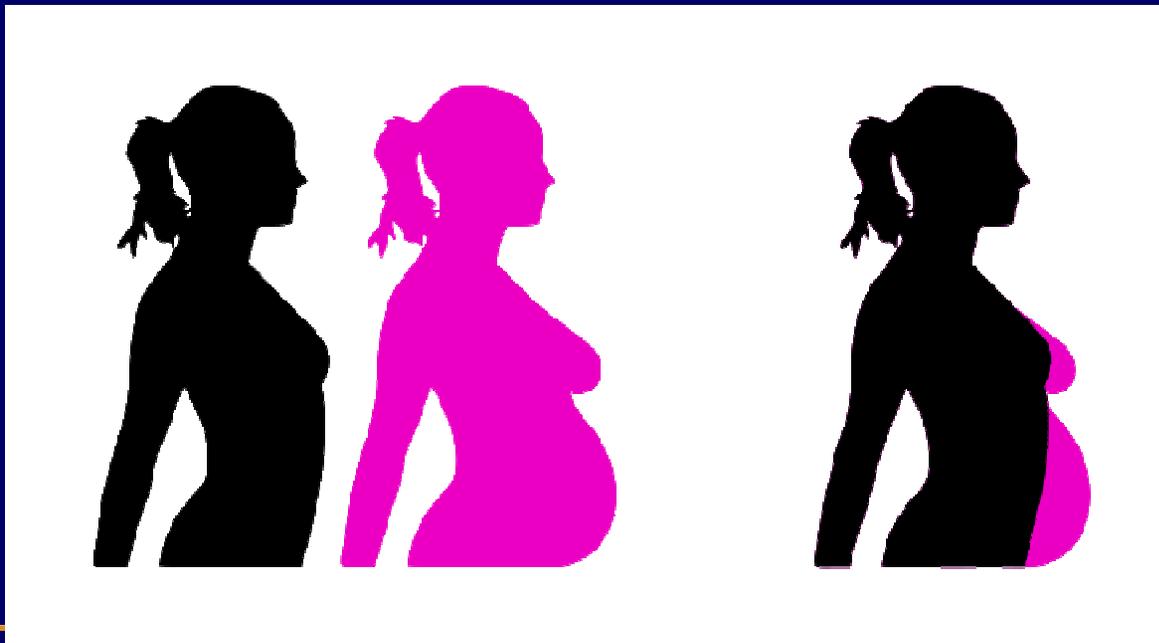
- Most common side effects:
 - Redness
 - Swelling
 - Pain
- Serious side effect:
 - Fainting
 - Have all clients stay for 15 minutes
 - Occurs with all adolescent vaccines



Virus-like particles (VLPs) assembled from the L1 protein of human papillomavirus 16

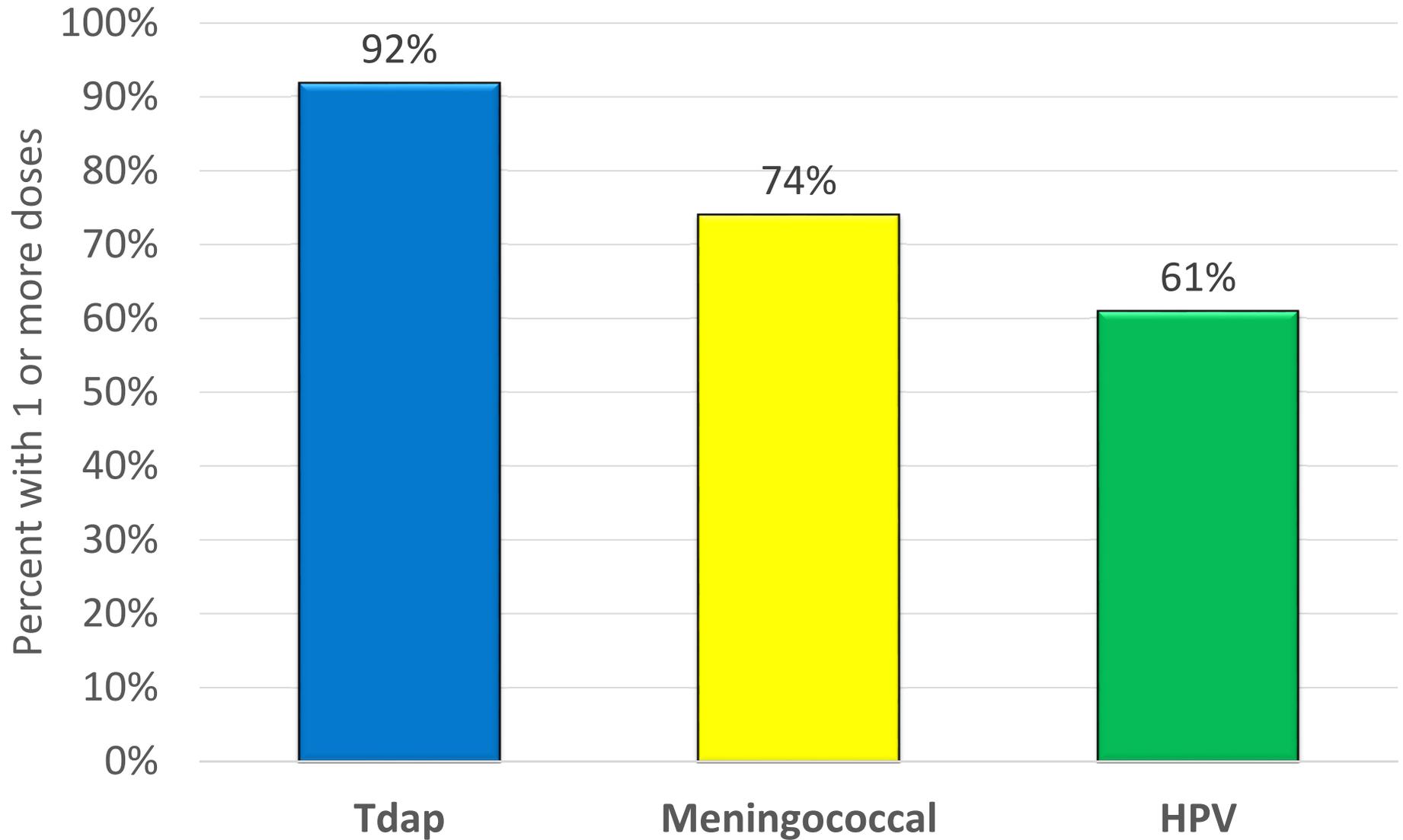
Who shouldn't get HPV vaccine?

- Yeast allergy—4vHPV and 9vHPV contraindicated
- Latex allergy—2vHPV contraindicated
- Pregnancy—defer vaccination



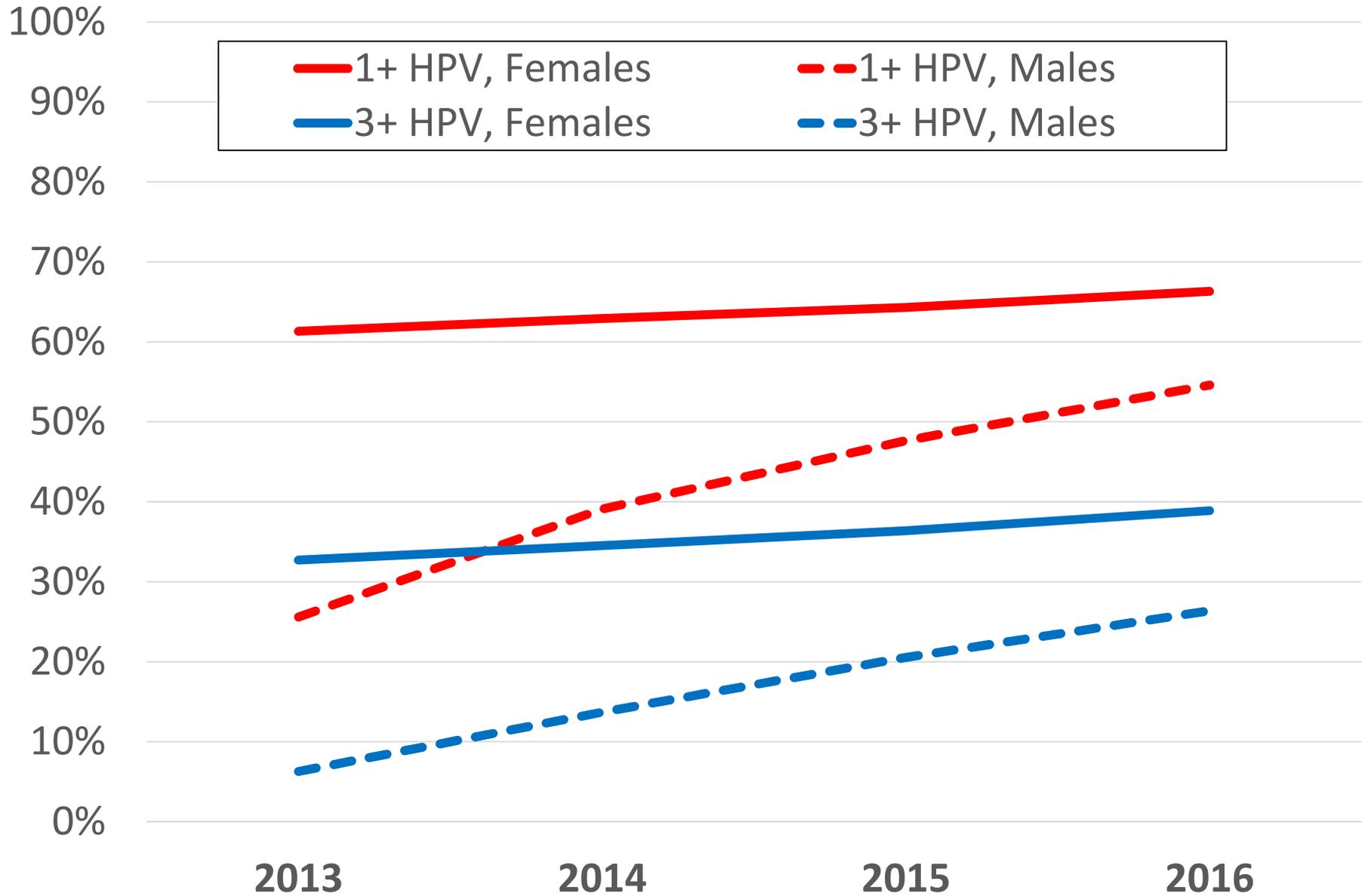
**How many people
are getting vaccinated
in Oregon?**

Oregon Adolescent Immunization Rates, Ages 13-17 Years, 2016



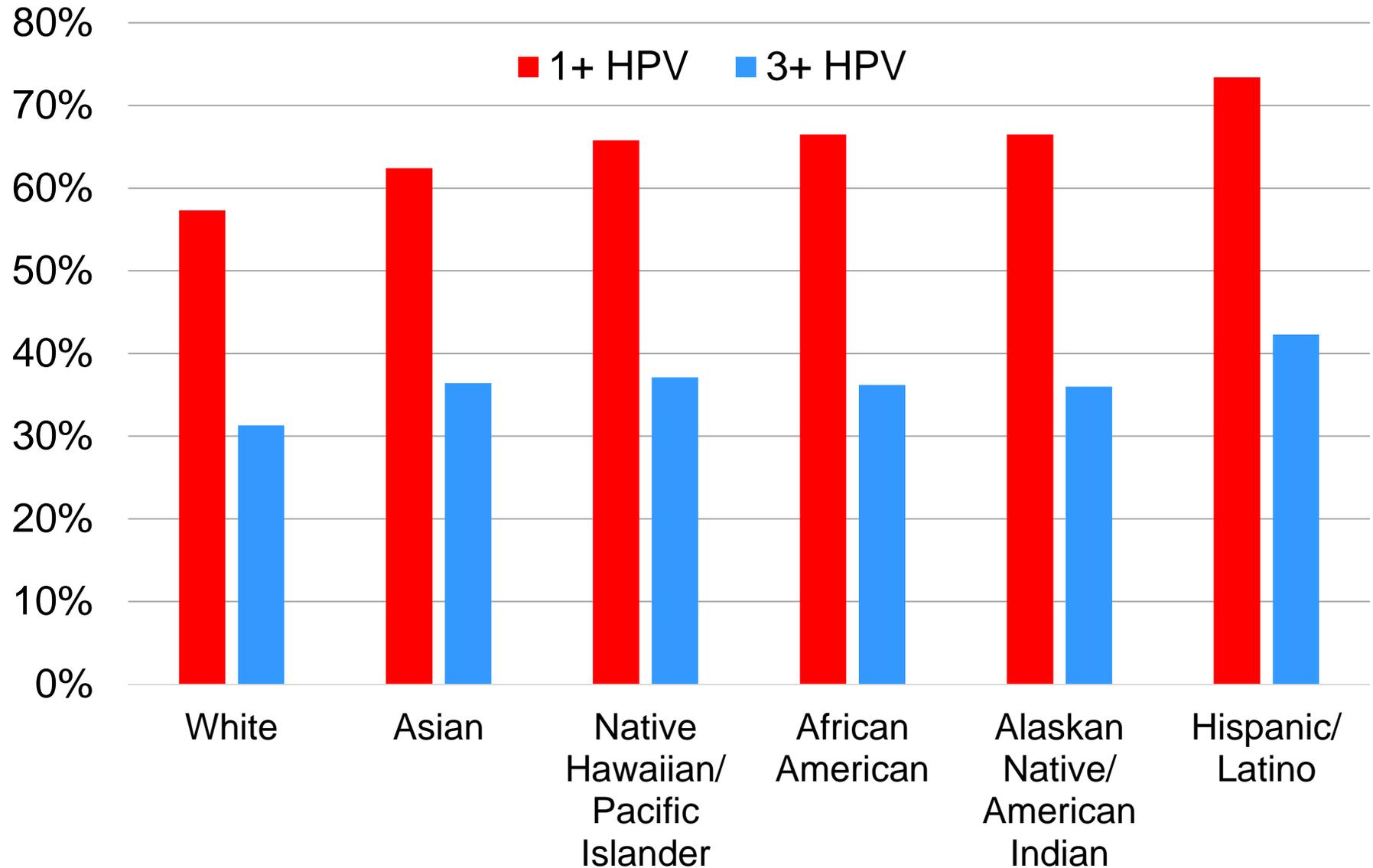
Source: ALERT IIS

Oregon HPV Immunization Rates, Ages 13-17 Years, 2016

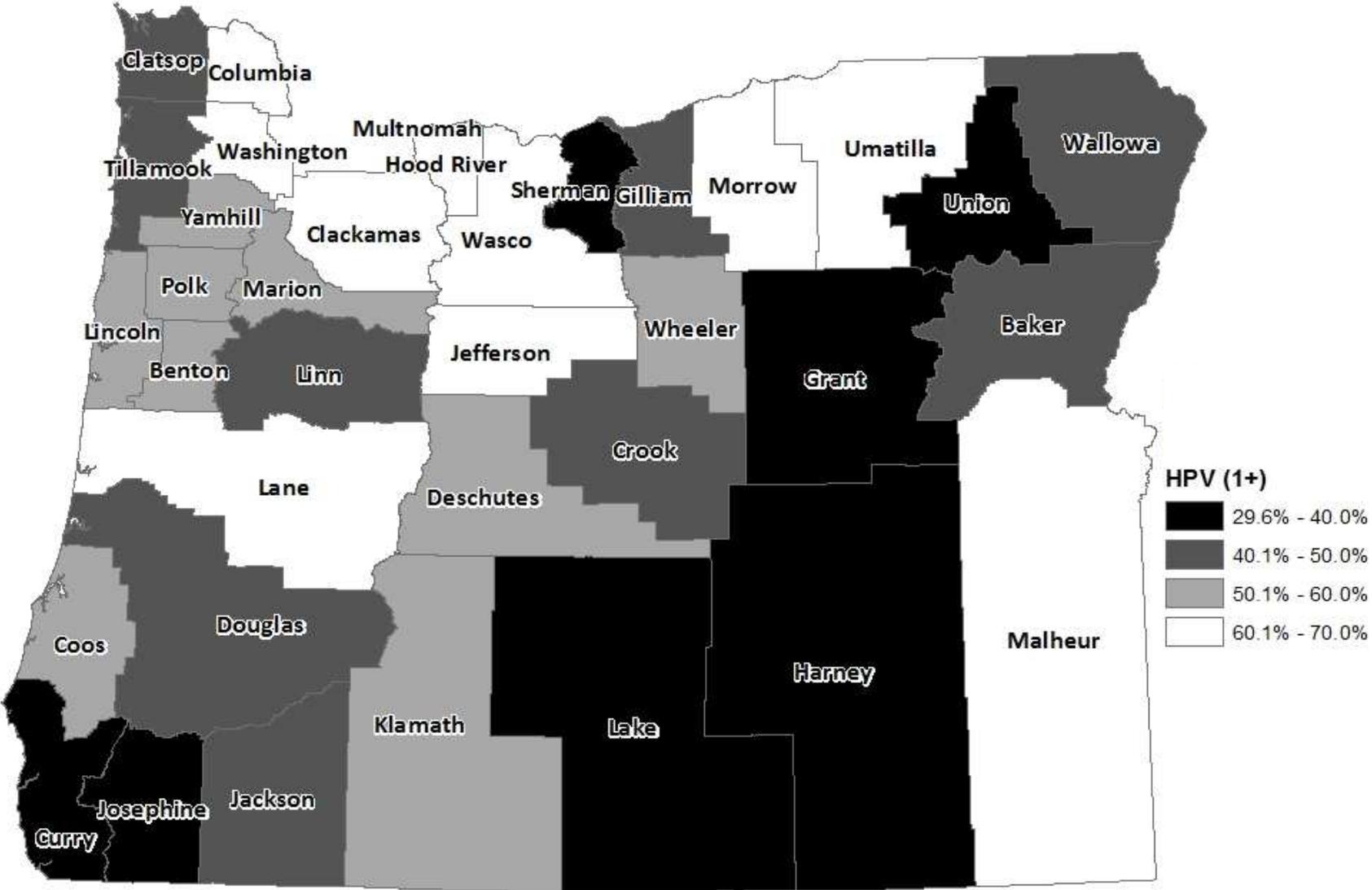


Source: ALERT IIS

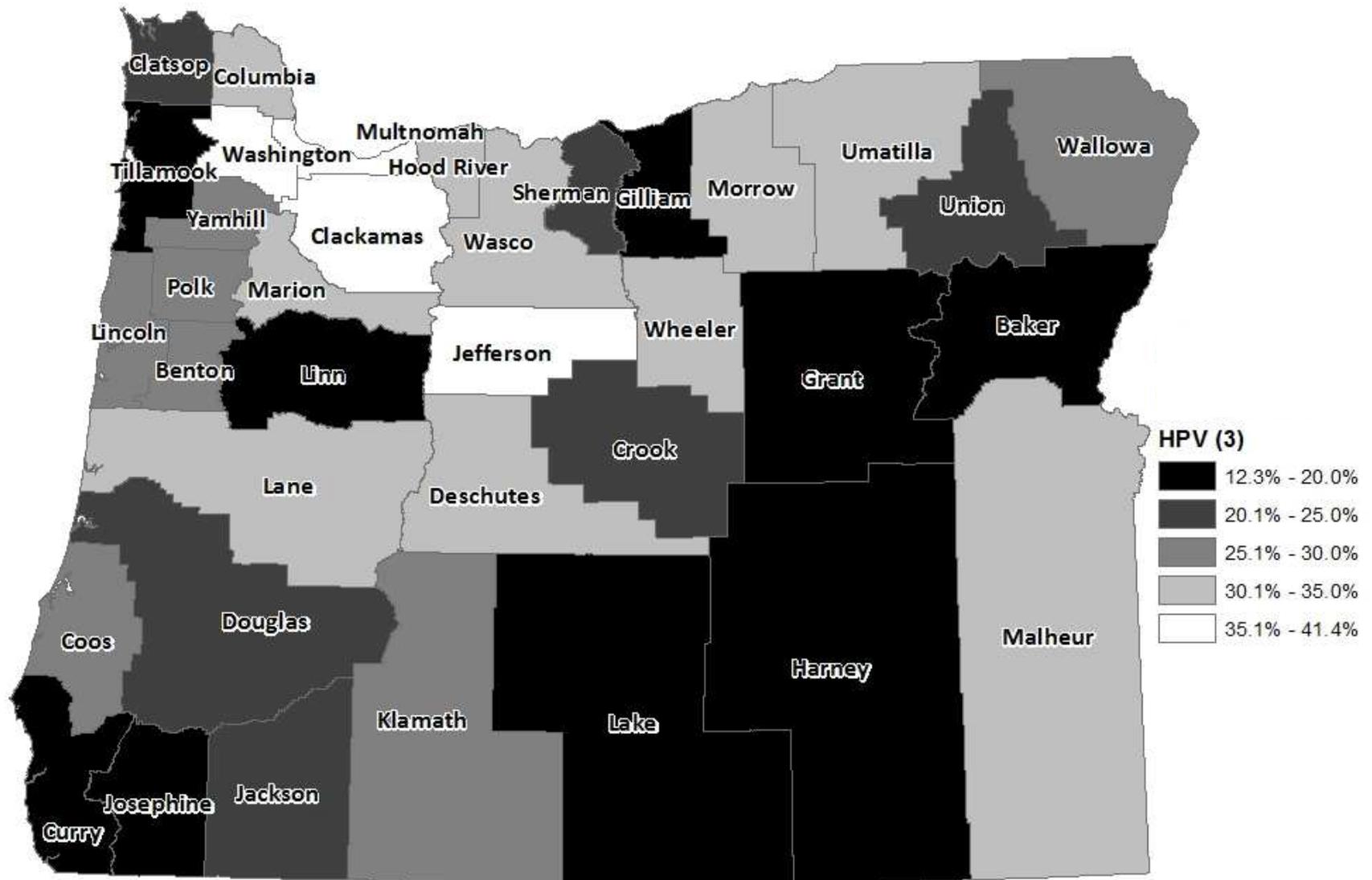
HPV Vaccination Rates by Race and Ethnicity in Oregon, Ages 13-17 Years, 2016



Adolescents 13-17 years with 1+ dose HPV vaccine, 2016



Adolescents 13-17 years with 3+ doses HPV vaccine, 2016



County	Cervical Cancer Incidence/100,000*	3 Dose HPV Immunization Rate**
Clatsop	12.2	22%
Klamath	10.5	30%
Marion	9.9	32%
Linn	9.0	28%
Jackson	8.6	24%
Josephine	8.1	20%
Umatilla	8.0	30%
Deschutes	7.5	30%
Benton	7.2	29%
Polk	6.7	28%
State	6.6	33%
Yamhill	6.5	30%
Douglas	6.4	23%
Clackamas	6.1	36%
Multnomah	5.8	41%
Lane	5.7	32%
Washington	4.9	37%

*Data source: Oregon State Cancer Registry, 2009-2013. Rates are age-adjusted to the 2000 US Std Population standard.

**Data source: Oregon Immunization ALERT IIS, 2016, ages 13-17 years.

**What's happening
to improve rates?**

Access



Standing Orders

The image shows a screenshot of the Oregon Health Authority website. The main navigation bar includes 'Public Health', 'Topics A to Z', 'Data & Statistics', and 'Forms & Publications'. A search bar is labeled 'Search Public Health'. The left sidebar contains a menu with items: 'Immunization Provider Information', 'Vaccines for Children Program (VFC)', 'AFIX Immunization Assessment System', 'Provider Training', 'Model Standing Orders' (highlighted in orange), and 'Pharmacist Information'. The main content area is titled 'Model Standing Orders' and includes a note: 'The model standing orders listed below recommended vaccines will be updated as the Advisory Committee makes its recommendation or at the discretion of the Oregon Health Authority. Note to clinicians: The vaccines are for use in the state of Oregon. Any clinician who uses these standing orders should review package information for each vaccine.' A callout box titled 'Oregon Health Authority Immunization Program Human Papilloma Virus Vaccines (HPV)' contains the following text: '1. Adverse Event Reporting Instructions have been updated. 2. Revisions on 12/2014 are based on recommendations of the Advisory Committee on Immunization Practices (ACIP) MMWR (2014); 63 (5). • If females or males reach age 27 years before the HPV vaccination series is complete, the second and third doses of vaccine can be administered at 27 years of age.' A footnote states: '1 Human Papillomavirus Vaccination: Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2014. Available at: www.cdc.gov/mmwr/preview/mmwrhtml/rr6305a1.htm?s_cid=rr6305a1_e'. Below this, a section titled 'I. ORDER:' lists four steps: 1. Check the ALERT Immunization Information System to determine whether the patient needs this vaccine and any other vaccines. 2. Screen for contraindications. 3. Provide the current Vaccine Information Statement (VIS), answering any questions. 4. Obtain a signed Vaccine Administration Record (VAR). a. Give HPV vaccine (0.5 ML) intramuscularly (deltoid preferred) as appropriate for the age and sex of the patient. b. Simultaneous vaccination may be given with all routine adolescent or adult vaccines.

ALERT IIS

[home](#) [manage access/account](#) [forms](#) [related links](#) [logout](#) [help desk](#) 

ALERT

organization Oregon Immunization Program • user Stacy De Assis Matthews • role ALERT System Administrator

Training Region 3.9.0

Patients

- enter new patient
- merge patients
- upload list
- check roster status
- manage roster list
- manage patient

Immunizations

- manage immunizations

Reports

- reminder / recall**
- check reminder status
- check reminder list
- manage custom letters
- cocasa extract
- check request status
- vaccine eligibility
- check vaccine elig status
- group patients
- check group status
- assessment report
- check assessment
- benchmark report

Patient Information

Patient Name (First - MI - Last)	DOB	Gender	Tracking Schedule	Patient ID
BLUEBERRY MUFFIN	01/01/1995	F	ACIP	7119548

Address/Phone _____ OR

Comments

Current Age: 20 years, 3 months, 7 days

Patient Notes (0) [view or update notes](#)

Add New Imms

Add Historical Imms

Edit Patient

Reports

Print Record

Print Confidential Record

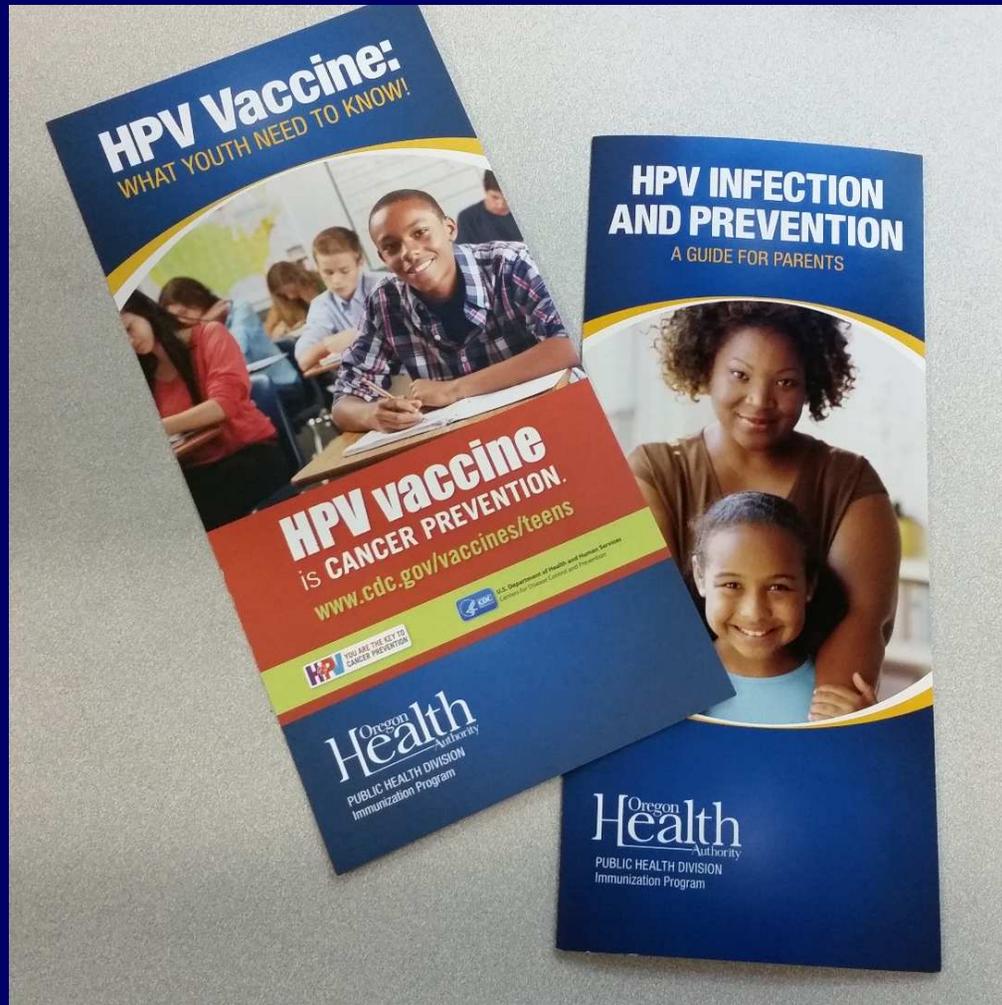
Immunization Record

Vaccine Group	Date Admin	Series	Vaccine [Trade Name]	Dose	Owned?	Reaction	Hist?	Edit
HPV	02/02/2015	1 of 3	HPV9 [Gardasil 9 ®]				Yes	

Vaccines Recommended by Selected Tracking Schedule

Select	Vaccine Group	Vaccine	Earliest Date	Recommended Date	Past Due Date
<input type="checkbox"/>	HPV	HPV, NOS	03/02/2015	04/02/2015	01/01/2021

Resources for parents and youth



Coalition Partnerships

- August—HPV Provider Training in partnership with the American Cancer Society
- October—HPV Taskforce with leaders in Oregon



Give a strong recommendation for HPV vaccine with other vaccines

“Same way, same day”

HPV VACCINE IS RECOMMENDED AT THE SAME TIME AS OTHER TEEN VACCINES

Preteens need three vaccines at 11 or 12. They protect against whooping cough, cancers caused by HPV, and meningitis.



What questions are you getting about HPV vaccine?



Addressing Parents' Top Questions about HPV VACCINE

Recommend the HPV vaccine series the same way you recommend the other adolescent vaccines. Try saying, "Your child is due for vaccinations today to help protect against meningitis, HPV cancers, and pertussis. We'll give those shots at the end of the visit."

Parents may be interested in vaccinating, yet still have questions. Some parents might just need additional information from you, the clinician they trust. Taking the time to answer their questions and address their concerns can help parents accept HPV vaccination when their child is at the recommended ages of 11 or 12 years.

WHEN PARENTS SAY:

Why does my child need the HPV vaccine?

TRY SAYING:

HPV vaccine is important because it prevents cancer. That is why I recommend that your daughter/son be vaccinated today.

<http://www.cdc.gov/vaccines/who/teens/for-hcp-tipsheet-hpv.pdf>

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Authority