
Immunization Rates and IQIP



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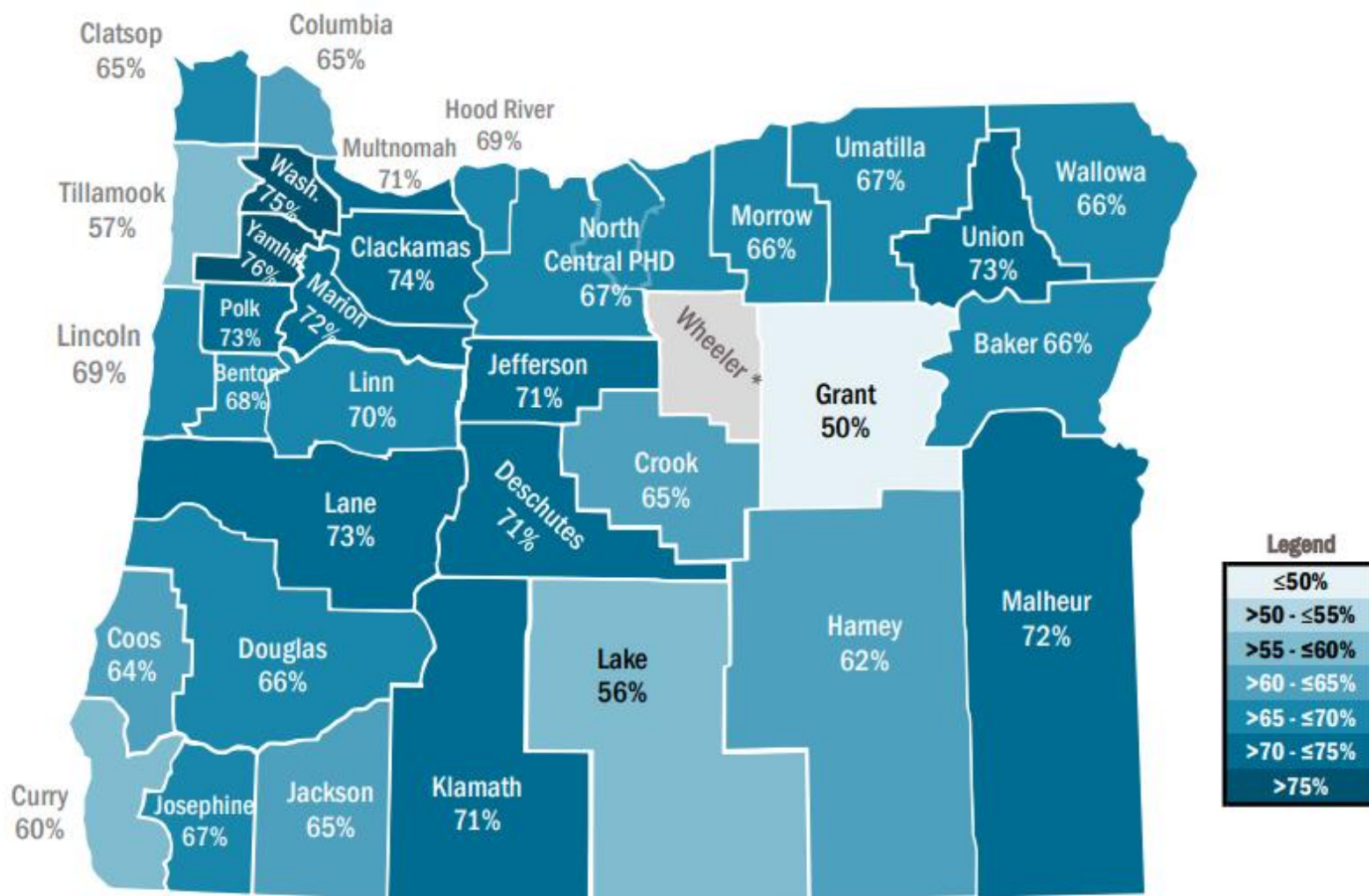
What are we going to talk about today?

- Current Immunization rates for 2-year-olds and adolescents
- IQIP program
- Opportunities for LPHAs to partner with OHA

Statewide 2-year-old UTD rates

	2014	2015	2016	2017	2018	2019	2020	2021
Two-Year-Olds ^a Up-to-Date Rate ^b								
4:3:1:3:3:1:4 ^c	60%	64%	66%	68%	69%	71%	71%	71%
4 doses DTaP	76%	77%	78%	80%	80%	81%	81%	80%
3 doses IPV	87%	88%	89%	89%	89%	90%	90%	89%
1 dose MMR	87%	89%	88%	88%	88%	91%	90%	88%
3 doses Hib	87%	87%	88%	88%	88%	89%	89%	88%
3 doses HepB	82%	83%	85%	85%	85%	87%	87%	87%
1 dose Varicella	85%	86%	86%	87%	86%	88%	88%	87%
4 doses PCV	72%	75%	76%	77%	77%	78%	79%	78%
1 dose HepA	86%	87%	87%	87%	87%	88%	88%	87%
2-3 doses Rotavirus	65%	67%	68%	70%	71%	72%	74%	75%
1 dose Flu (in most recent season)	55%	52%	54%	55%	57%	61%	64%	58%
One or more VFC vaccines ^{d,e}	60%	64%	65%	66%	66%	69%	68%	68%
No VFC vaccines ^{d,e}	59%	63%	67%	71%	73%	75%	76%	76%
Hispanic ^{d,f}	63%	68%	70%	69%	72%	74%	72%	72%
White ^{d,f}	60%	64%	67%	69%	70%	72%	72%	72%
African American ^{d,f}	55%	59%	60%	62%	61%	61%	63%	63%
Asian ^{d,f}	64%	68%	69%	73%	73%	76%	77%	77%
American Indian and Alaskan Native ^{d,f}	60%	63%	65%	66%	66%	69%	67%	66%
Hawaiian/Pacific Islander ^{d,f}	54%	59%	61%	62%	61%	65%	64%	64%

2021 Two-year-old series completion rate



*Rates not displayed for populations of fewer than 50 people.

Example: county-level summary

Lincoln County Immunization Rates

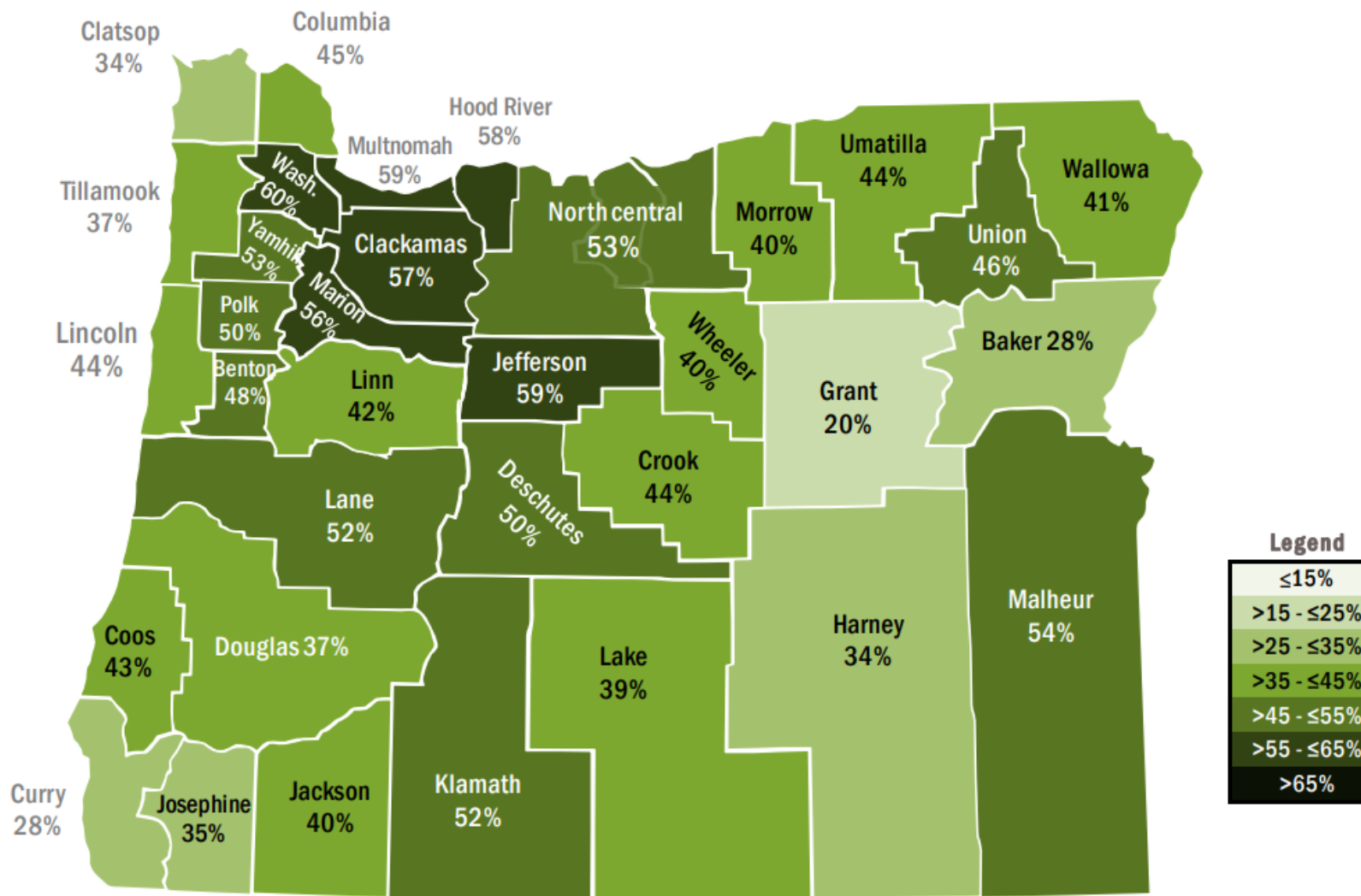
	2014	2015	2016	2017	2018	2019	2020	2021
Two-Year-Olds ^a Up-to-Date Rate ^b								
4:3:1:3:3:1:4 ^c	57%	56%	63%	61%	61%	68%	60%	69%
4 doses DTaP	73%	71%	74%	72%	73%	78%	71%	76%
3 doses IPV	88%	86%	88%	88%	86%	88%	86%	88%
1 dose MMR	83%	88%	87%	83%	85%	89%	84%	86%
3 doses Hib	87%	87%	86%	86%	85%	87%	86%	89%
3 doses HepB	85%	84%	86%	86%	85%	85%	82%	87%
1 dose Varicella	83%	86%	84%	81%	83%	85%	83%	85%
4 doses PCV	67%	64%	72%	70%	70%	74%	66%	72%
1 dose HepA	86%	86%	86%	84%	84%	87%	83%	83%
2-3 doses Rotavirus	52%	49%	56%	57%	61%	65%	66%	69%
1 dose Flu (in most recent season)	38%	38%	36%	45%	46%	46%	51%	45%
Women, Infants and Children (WIC) Clients ^d	58%	58%	61%	60%	63%	68%	63%	71%
Non-WIC Clients ^d	52%	51%	67%	63%	55%	67%	56%	65%
Enrolled in DMAP ^d	64%	60%	66%	61%	62%	65%	60%	71%
Not enrolled in DMAP ^d	48%	52%	59%	61%	57%	73%	61%	64%
One or more VFC vaccines ^{d,e}	57%	57%	64%	59%	62%	67%	61%	70%
No VFC vaccines ^{d,e}	57%	52%	58%	67%	54%	73%	57%	65%
Hispanic ^{d,f}	59%	52%	72%	*	*	*	*	*
White ^{d,f}	56%	56%	63%	62%	61%	70%	62%	70%
African American ^{d,f}	*	*	*	*	*	*	*	*
Asian ^{d,f}	*	*	*	*	*	*	*	*
American Indian and Alaskan Native ^{d,f}	62%	49%	62%	61%	56%	62%	56%	75%
Hawaiian/Pacific Islander ^{d,f}	*	*	*	*	*	*	*	*

Adolescent rates

Oregon: Adolescent Immunization Rates

	2017	2018	2019	2020	2021	2022
Thirteen- to Seventeen-Year-Old^{a,b} Vaccination Rates						
Tdap (1 dose)	93%	93%	93%	92%	90%	91%
Meningococcal A,C,W,Y (1 dose)	75%	77%	80%	81%	81%	81%
Flu (1 dose in most recent complete season)	25%	28%	30%	32%	33%	25%
HPV initiation (1+ dose)	65%	67%	70%	73%	71%	73%
HPV completion (2-3 doses) ^c	44%	46%	51%	55%	55%	53%
HPV completion^c by race/ethnicity^d						
Hispanic ^d	56%	56%	60%	62%	65%	64%
White ^d	46%	49%	53%	56%	57%	58%
Black/African American ^d	53%	54%	57%	59%	58%	58%
Asian ^d	53%	56%	59%	62%	62%	64%
American Indian and Alaskan Native ^d	56%	59%	64%	67%	67%	66%
Native Hawaiian/Pacific Islander ^d	52%	53%	57%	60%	59%	59%
Thirteen-Year-Old^{e,f} Vaccination Rates^g						
Tdap (1 dose)	80%	82%	84%	81%	84%	83%
Meningococcal A,C,W,Y (1 dose)	66%	67%	71%	69%	73%	72%
HPV initiation (1+ dose)	52%	56%	65%	57%	61%	63%
HPV ^c completion (2 doses)	33%	32%	33%	30%	34%	35%
Teen series ^h	30%	30%	31%	28%	33%	33%

2022 HPV Completion Rates, 13- to 17-year-olds



Example: county-level summary

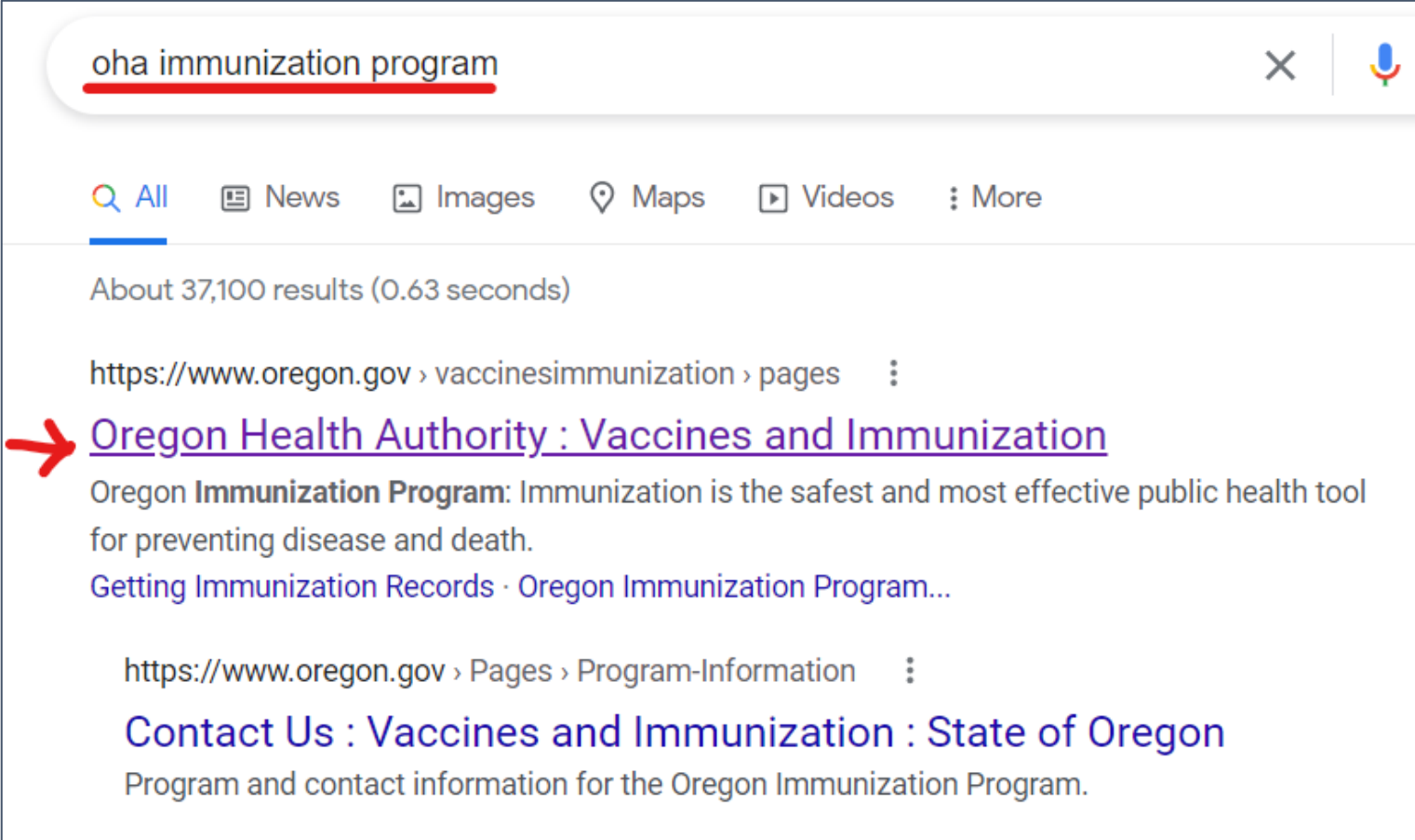
Deschutes County: Adolescent Immunization Rates

	2017	2018	2019	2020	2021	2022
Thirteen- to Seventeen-Year-Old ^{a,b} Vaccination Rates						
Tdap (1 dose)	92%	93%	94%	91%	89%	90%
Meningococcal A,C,W,Y (1 dose)	79%	80%	82%	83%	82%	83%
Flu (1 dose in most recent complete season)	24%	24%	27%	29%	33%	22%
HPV initiation (1+ dose)	65%	68%	70%	72%	70%	71%
HPV completion (2-3 doses) ^c	43%	46%	50%	53%	53%	50%
HPV completion ^c by race/ethnicity ^d						
Hispanic ^d	57%	56%	60%	62%	64%	63%
White ^d	46%	48%	52%	55%	54%	56%
Black/African American ^d	49%	50%	51%	48%	50%	56%
Asian ^d	47%	50%	55%	55%	56%	59%
American Indian and Alaskan Native ^d	57%	59%	65%	66%	65%	64%
Native Hawaiian/Pacific Islander ^d	*	47%	49%	59%	55%	51%
Thirteen-Year-Old ^{e,f} Vaccination Rates ^g						
Tdap (1 dose)	80%	83%	84%	77%	82%	84%
Meningococcal A,C,W,Y (1 dose)	70%	72%	75%	71%	74%	76%
HPV initiation (1+ dose)	52%	57%	64%	56%	57%	60%
HPV ^c completion (2 doses)	32%	29%	31%	27%	30%	30%
Teen series ^h	30%	27%	30%	25%	29%	29%

How to find population-based rates

Step 1.

Google search: OHA immunization program



The screenshot shows a Google search interface. The search bar at the top contains the text "oha immunization program" with a red underline. Below the search bar are tabs for "All", "News", "Images", "Maps", "Videos", and "More". The search results show "About 37,100 results (0.63 seconds)". The first result is from "https://www.oregon.gov > vaccinesimmunization > pages" and is titled "[Oregon Health Authority : Vaccines and Immunization](\"#\")". A red arrow points to this title. Below the title is a description: "Oregon **Immunization Program**: Immunization is the safest and most effective public health tool for preventing disease and death." and a link "Getting Immunization Records · Oregon Immunization Program...". Below this is another link "https://www.oregon.gov > Pages > Program-Information" and a title "[Contact Us : Vaccines and Immunization : State of Oregon](\"#\")" with a description "Program and contact information for the Oregon Immunization Program."

oha immunization program

[All](#) [News](#) [Images](#) [Maps](#) [Videos](#) [More](#)

About 37,100 results (0.63 seconds)

<https://www.oregon.gov > vaccinesimmunization > pages>

→ [Oregon Health Authority : Vaccines and Immunization](#)

Oregon **Immunization Program**: Immunization is the safest and most effective public health tool for preventing disease and death.

[Getting Immunization Records · Oregon Immunization Program...](#)

<https://www.oregon.gov > Pages > Program-Information>

[Contact Us : Vaccines and Immunization : State of Oregon](#)

Program and contact information for the Oregon Immunization Program.

How to find population-based rates, cont.

Step 2.

Select Data and Reports from right-hand column



Community

- Getting Vaccines in Oregon
- Vaccine Safety
- Getting Immunization Records
- Infant and Child Immunization
- Adolescent Immunization
- Adult Immunization




Providers

- State-Supplied Vaccine Programs (VFC/VAP)
- ALERT Immunization Information System (ALERT IIS)
- COVID-19 Provider Information
- Training
- Perinatal Hepatitis B
- Model Immunization Protocols (formerly Standing Orders)
- Pharmacies
- Dentists



School and Child Care

- ~~Required Shots~~
- Requirements for Facilities
- Vaccine Exemptions
- How well-vaccinated is your school or child care
- Training for school and child care staff
- College Requirements
- ALERT IIS for Schools & Child Care



More...

- Immunization Laws and Rules
- Data and Reports
- Partnerships and Coalitions
- Flu Prevention
- Contact Us

Population-based rates: results

Access the Data



Child Immunization Rates

Immunization rates for two-year-olds in Oregon - [static data](#)

Immunization rates for two-year-olds in Oregon - [interactive data](#)



Adolescent Immunization Rates

Immunization rates for adolescents age 13 to 17 - [static data](#)

Immunization rates for adolescents age 13 to 17 - [interactive data](#)



Maternal Immunization Rates

Immunization rates for women in Oregon who delivered their babies in 2017



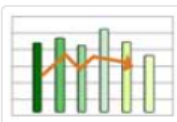
Adult Immunization Rates

Oregon immunization rates for adults, including healthcare workers.



Seasonal Flu Vaccine Uptake

Snapshots of Oregon Influenza vaccine uptake, updated weekly.



School Immunization Rates

Immunization and exemption data for Oregon schools and child care facilities, counties, and state totals.

Who to Contact

Questions about rates

[ALERT IIS Help Desk](#)

800-980-9481

9:00am - 4:00pm

Information on clinic-specific rates

Quality Improvement Manager

imm.info@dhsosha.state.or.us

School immunization data

School Law Team

oregon.imm@dhsosha.state.or.us



IQIP is the CDC's national quality improvement initiative for providers utilizing the Vaccines for Children program.

Focused on:

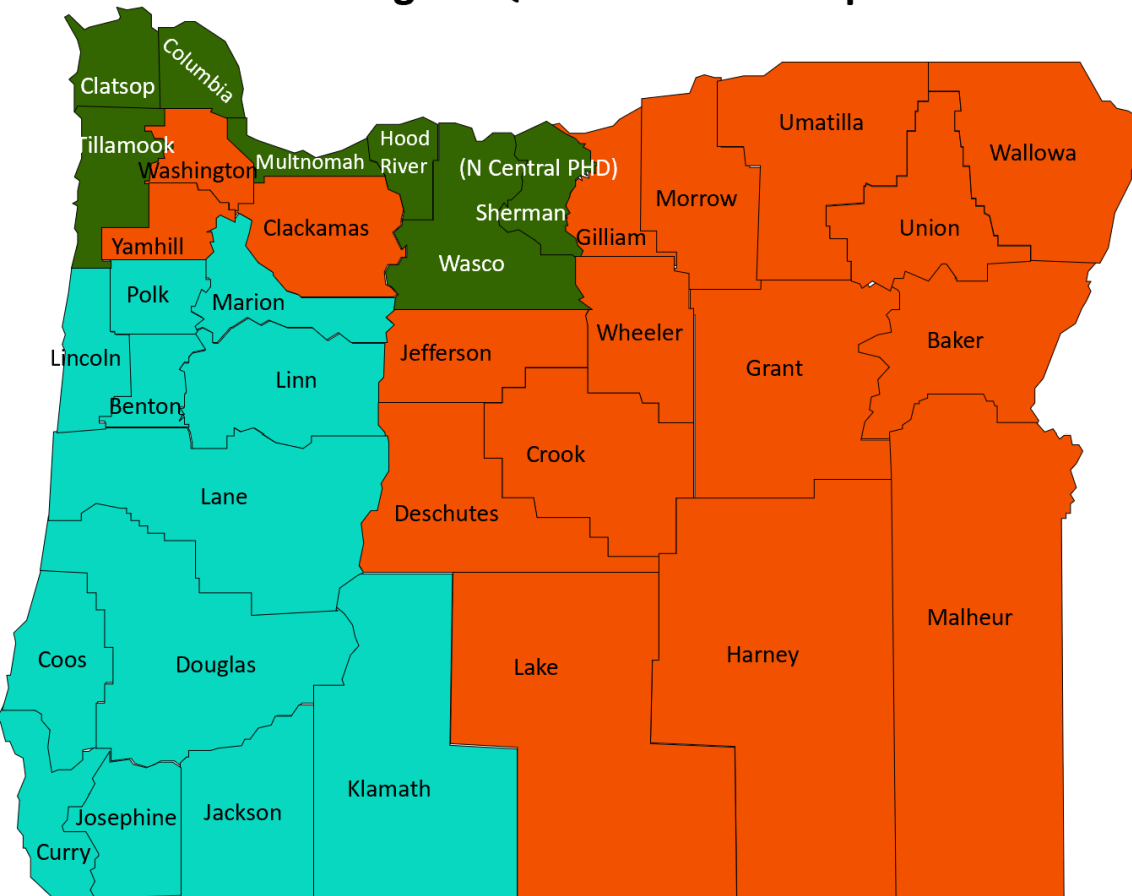
- Improving clinical vaccination workflow
- Helping healthcare teams maximize opportunities to vaccinate patients

Benefits:

- Help clinics meet CCO incentive metrics related to childhood and adolescent vaccination coverage
- Strengthen partnerships with other clinics in community and OHA
- Streamlined immunization workflow
- Increased patient satisfaction
- A healthier community

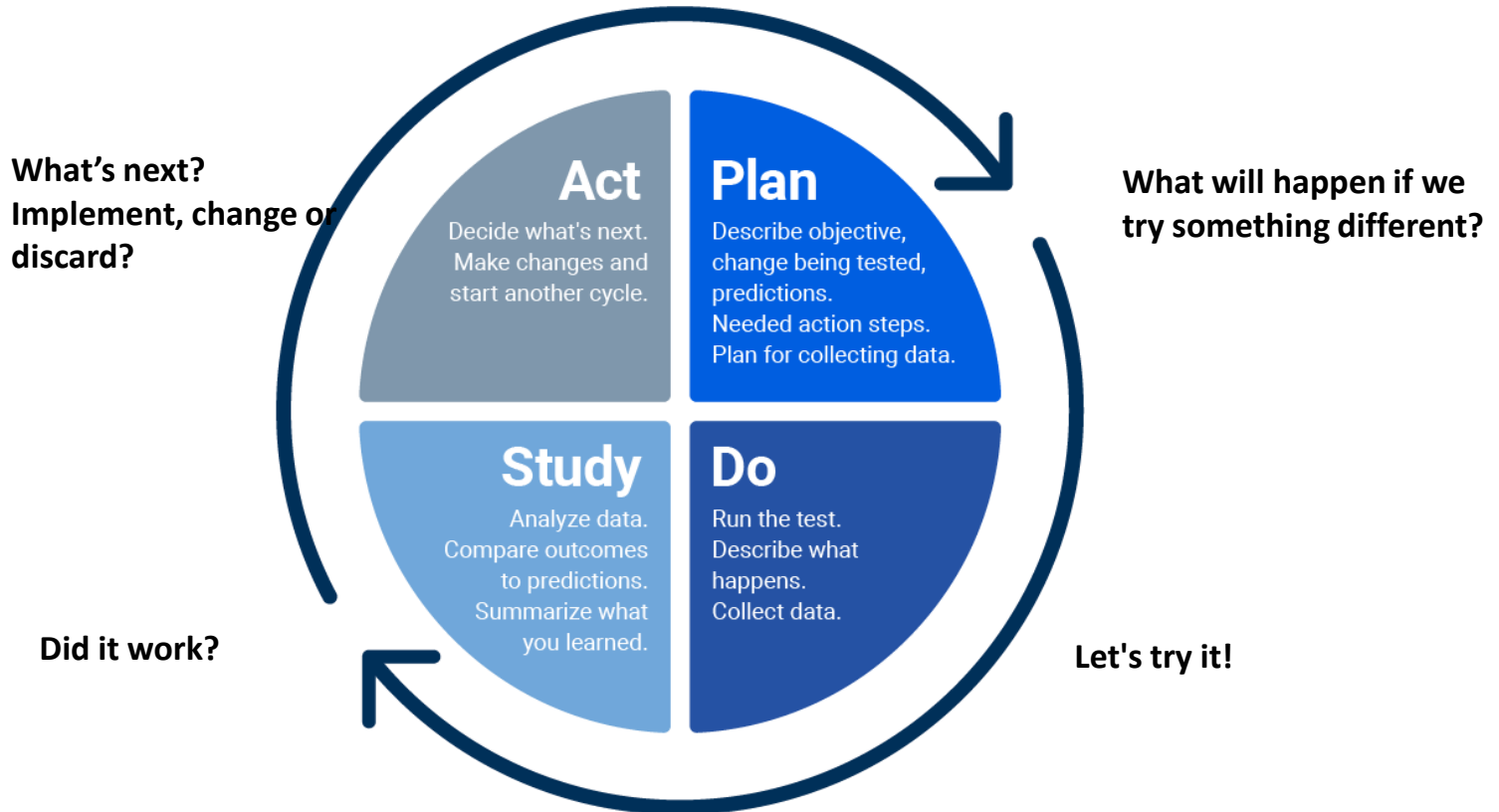
Oregon Immunization Program IQIP Team

Oregon IQIP Consultant Map

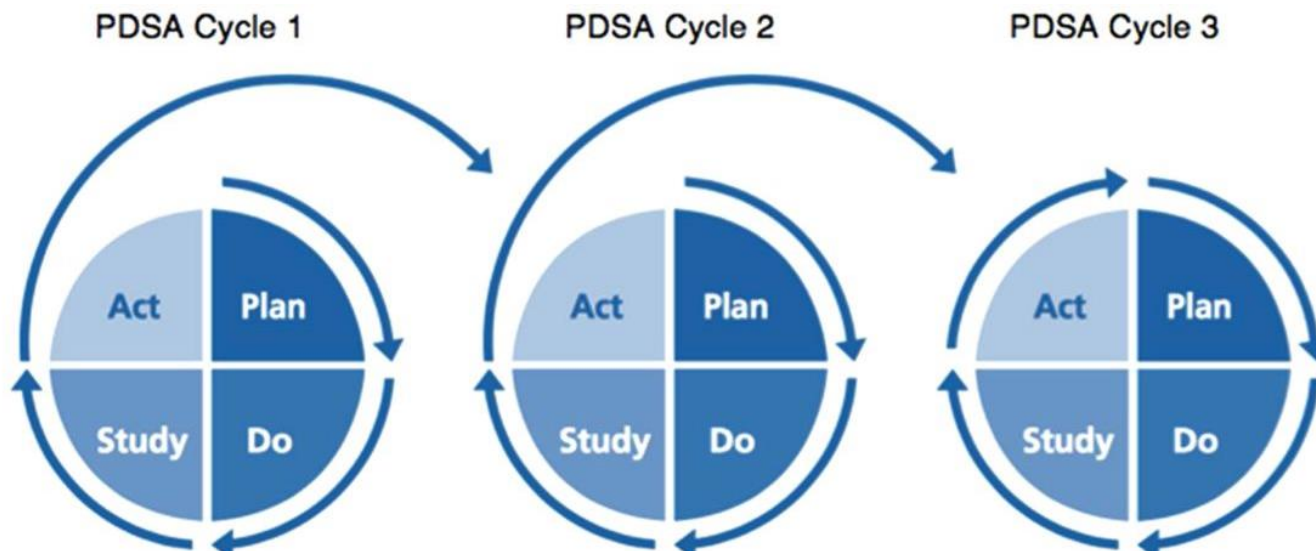


FOR INTERNAL USE ONLY	
Albert Koroloff 971-673-0330 Yakima Valley Farm Workers Legacy Health Kaiser Permanente OHSU	VFC Helpdesk 971-673-4832 ALERT IIS Helpdesk 800-980-9431 Rex Larsen – QI manager 971-673-0328
Sam McClean 971-673-0430 Planned Parenthood (PPCW) St. Charles Health Mosaic Medical Tribal Health Providence PMG (NW Oregon)	Erin Corrigan – VFC Manager 971-673-0296 XXXXXXX- Billing 971-673-0301
Lauren Enciso 971-707-8248 Oregon Medical Group Samaritan Health PeaceHealth La Clinica Providence PMG (SW Oregon)	Shelby Williams - Shipping 971-673-0313 Nick Chew– VFC Policy Analyst 971-673-2376

The PDSA Cycle for Learning and Improvement



Improvement cycle can end at 12 months, or continue








What does an IQIP visit look like?



- **Time commitment:** 2-hour initial meeting (in-person or virtual) followed by a 2, 6 and 12-month support call/check-ins.
- **Space Commitment:** Meeting room with space for the whole team and ability to project PowerPoint on-screen or ability to organize virtually.
- **Staff Commitment:** VFC coordinator, VFC back-up, clinic manager, QI coordinator, MAs, front desk and prescribing providers (whenever possible).

Assessing Clinic Workflow

- IQIP program workflow tool and quality improvement strategies

-  Leveraging ALERT IIS
-  Scheduling the next visit
-  Giving a strong recommendation
-  Strengthen Vaccine Communication
-  Recommend HPV stating at 9 (Custom)

- ☐ Does this clinic have a vaccination policy?
- ☐ Do clinic staff receive continuing education on vaccine and vaccine hesitancy?

- ☐ How do staff identify which doses are due for the scheduled visit?
- ☐ Do staff regularly check patients' active/inactive status in ALERT and update when needed?

- ☐ Do staff forecast immunizations at all visit types? (e.g. acute care, sports physicals)

- ☐ Do Staff enter historical vaccines into ALERT for new patients and then retrieve update vaccine forecasts?
- ☐ Do Staff verify/update contact info?

- ☐ Does the clinic prominently display immunization promotion materials in lobby or exam rooms? Where do you get these resources?

- ☐ Do staff make any updates To ALERT IIS to support Reminder/recall or other outreach?

- ☐ Do you begin recommending the HPV series at age 9?

- ☐ How and where do staff record info about vaccine administered?
- ☐ If requested, how do staff provide a copy of the child's immunization record?

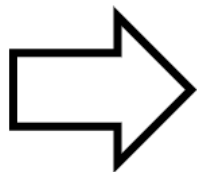
- ☐ Do all staff use presumptive language about vaccines due during the visit?
- ☐ Does the provider know how to address parental concerns/hesitancy?

- ☐ What materials does the provider use to promote and explain vaccination above and beyond the required Vaccine Information Sheets (VIS)?

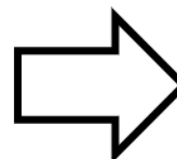
- ☐ Does the provider emphasize the importance of receiving doses on schedule?



Patient Chart Scrub



Patient Check-In



Provider Discussion

- ☐ Do staff receive training on effective vaccine communication techniques?
- ☐ Can ongoing training for responding to vaccine hesitancy be included in staff meetings?

- ☐ How and where do staff record info about vaccine administered?

- ☐ Is vaccine hesitancy/refusal documented in the patients record?
- ☐ Is the parent educated about the risks of delaying or not vaccinating?

- ☐ Can the next appointment be scheduled in-room prior to vaccinating?
- ☐ Is a clear "on or after" date provided to parents and check-out staff for scheduling the next appointment?
- ☐ Are all staff, including clerical, trained to follow the ACIP schedule?

- ☐ Is vaccination supported via social media?
- ☐ How do you ensure your clinic culture promotes vaccine awareness?

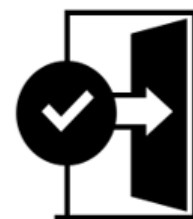
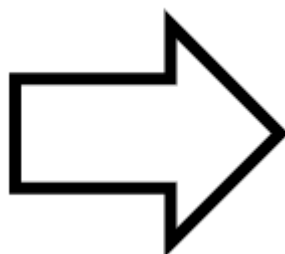
- ☐ Do staff use presumptive language when scheduling for the next visit?
- ☐ Can the check-out staff direct the parent to vaccine resources should they have questions or concerns about vaccines?

- ☐ How do staff identify next vaccines and due dates for parents and scheduling staff? EMR? ALERT?
- ☐ As a regular practice, do staff provide an immunization record with next doses and due dates?
- ☐ Do staff print forecasted vaccinations and due dates for front desk staff scheduling next appointments?

- ☐ How far in advance can appointment be scheduled?
- ☐ Can all follow-up appointments be scheduled at once?
- ☐ Is confirmation of the next visit given or sent to parents? How?
- ☐ Do you offer nurse-only visit for follow-up immunizations?



Vaccination



Patient Check-Out

IQIP Strategies = Best Practices

The Community Guide

“The Guide to Community Preventive Services (The Community Guide) is a collection of evidence-based [findings](#) of the [Community Preventive Services Task Force \(CPSTF\)](#). It is a resource to help you select interventions to improve health and prevent disease in your state, community, community organization, business, healthcare organization, or school.”

<https://www.thecommunityguide.org/pages/about-community-guide.html>

The IQIP Process

IQIP is a 12-month process where public health representatives and VFC providers collaborate to identify QI strategies to increase vaccine uptake by improving and enhancing vaccination workflow.



Site Visit

- Observe workflow
- Review initial coverage
- Select QI strategies
- Provide assistance
- Choose action items for Strategy Implementation



2-month and 6-month Check-ins

- Review progress
- Provide assistance
- Update Strategy Implementation Plan



12-month Follow-up (New Cycle?)

- Review progress toward strategy implementation
- Provide assistance
- Review year-over-year coverage change

How can LPHAs partner with OIP?

- Work with us to recruit clinics for IQIP
- Form an immunization QI community
 - Quarterly meetings with local providers
 - Troubleshoot countywide issues
 - Share best practices and key learning
- Go with OIP IQIP visitors to clinics to build relationships
- Help build and maintain community momentum to improve local vaccination rates

thank
you

For more info about IQIP, contact:

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Albert Koroloff, MPH

IQIP Coordinator / Public Health Educator

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