

Improving Childhood Immunization Rates



Oregon Immunization Program  
Jody Anderson & Rex Larsen



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What factors impact your ability to immunize patients on time?



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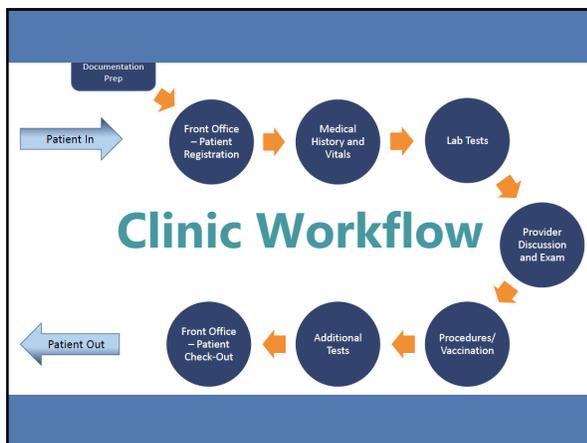
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# Look for the gaps



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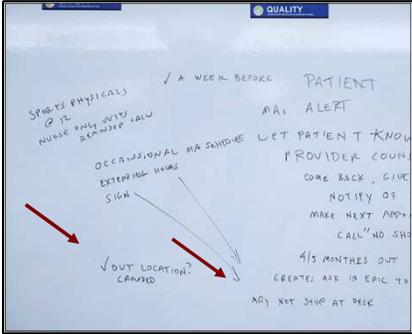
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QUALITY

SPONSOR PHYSICALS  
@ 12  
NURSE ONLY VISIT  
REMEMBER CALL

✓ A WEEK BEFORE PATIENT  
AA: A LEFT

OCCASIONAL NA SCHEDULE  
EXTENDING HOURS  
SIGN

LET PATIENT KNOW  
PROVIDER COUNT  
COME BACK, GIVE  
NOTIFY OF  
MAKE NEXT APPT  
CALL NO SH

✓ OUT LOCATION?  
CANNED

4/5 MONTHS OUT  
CREATES APP IN EPIC TO  
NOT NOT SHOW AT DESK



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## Gap

crowded and chaotic check out station that's hard to locate



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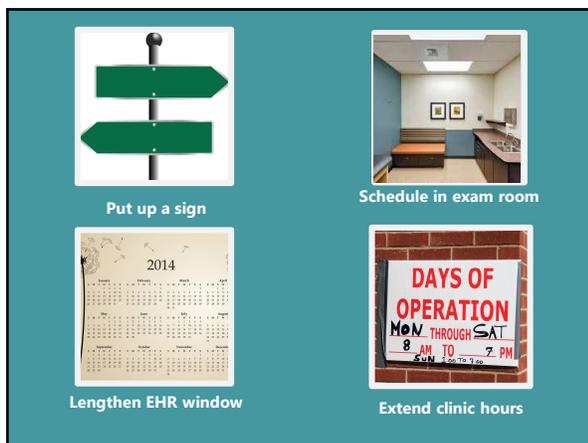
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**Leverage ALERT IIS functionality to improve immunization practice**



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reminder/recall report  
forecasting shots  
cleaning up ALERT IIS data  
entering immunization histories



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★★★★★  
**Give a strong vaccine recommendation**



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**6 REASONS TO GET HPV VACCINE FOR YOUR CHILD**

- 1 HPV is a common virus that infects teens and adults.
- 2 HPV vaccination works.
- 3 HPV vaccination prevents cancer.
- 4 Prevents genital warts.
- 5 Your child can get protection from HPV vaccines during the same visit they get other recommended vaccines.
- 6 Talk to your child's doctor or nurse about it.

**HPV VACCINATION IS THE BEST WAY TO PREVENT MANY TYPES OF CANCER. MANY ADOLESCENTS HAVEN'T STARTED THE HPV VACCINE SERIES.**

**NATIONWIDE 4 OUT OF 10 ADOLESCENTS HAVE STARTED THE HPV VACCINE SERIES.**

**NATIONWIDE 6 OUT OF 10 ADOLESCENTS HAVE BEEN VACCINATED OR HAD ONE DOSE OF HPV VACCINE.**

**Other HPV Cancers:**

- 800 Prostate Cancer
- 3,300 Anal & Rectum Cancer
- 1,900 Oropharyngeal Cancer
- 12,900 Oropharyngeal Cancer

**OVER 17.6 MILLION HPV VACCINE VOUCHERS**

[www.cdc.gov/hpv](http://www.cdc.gov/hpv)

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**Resources in the languages your patients speak?**

**Padres: SABÍAN QUE EL VPH CAUSA:**

- Cáncer de boca y garganta
- Cáncer de cuello del útero
- Cáncer de vagina
- Cáncer de ano

21 millones de personas en los Estados Unidos tienen VPH

30 millones de personas en los Estados Unidos han sido vacunadas contra el VPH

**¡Ayuda a prevenir el cáncer! ¡Ayuda a prevenir el VPH!**

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**Agree on a unified approach**

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**Train staff**



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**Running clinic rates in ALERT IIS**

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**Assessing rates at the clinic level**

ALERT IIS assessment reports include all active patients at your clinic

- Assessment Report
- Resources:
  - <https://public.health.oregon.gov/PreventionWellness/VaccinesImmunization/ImmunizationProviderResources/Pages/AFIXResourceCCO.aspx>

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## Interpreting the assessment report: age specific benchmarks

Assess age specific immunization status retrospectively to identify trends in clinical practice

UTD Grid	DTaP	Hep B	Hib	MMR	Polio	Prevnar	Varicella
@ 3 months	1	1	1		1	1	
@ 5 months	2	2	2		2	2	
@ 7 months	3	2	2		2	3	
@ 9 months	3	2	2		2	3	
@ 12 months	3	2	2		2	3	
@ 16 months	4	3	3	1	3	4	1
@ 19 months	4	3	3	1	3	4	1
@ 21 months	4	3	3	1	3	4	1
@ 24 months	4	3	3	1	3	4	1
@ 72 months	5	3	4	2	4	4	1

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## Age specific benchmark example



**Clinic A:**  
What do you see?

Assessment of Patients Meeting Age Specific Benchmarks									
UTD Grid	DTap	Hep B	Hib	MMR	Polio	Prevnar	Varicella	Total Meeting Age Criteria	% Coverage
@ 3 months	590	641	587		590	590		673	86.3%
@ 5 months	515	596	509		515	516		673	73.6%
@ 7 months	460	619	569		572	572		673	68.2%
@ 9 months	508	621	590		590	591		673	75.3%
@ 12 months	539	622	601		602	603		673	79.8%
@ 16 months	368	573	551	507	557	559	498	673	53.3%
@ 19 months	441	582	566	540	570	568	534	673	64.5%
@ 21 months	458	584	567	544	573	570	538	673	66.9%
@ 24 months	481	586	572	551	575	574	547	673	70.6%

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## Age specific benchmark example



**Clinic B:**  
What do you see?

Assessment of Patients Meeting Age Specific Benchmarks									
UTD Age	DTap	Hep B	Hib	MMR	Polio	Prevnar	Varicella	Total Meeting Age Criteria	% Coverage
3 Months	1142	1131	1104		1103	1107		1242	85.2%
5 Months	1041	1065	1009		1011	1006		1242	77.1%
7 Months	950	1111	1074		1079	1096		1242	72.6%
9 Months	1027	1121	1103		1107	1123		1242	78.3%
12 Months	1079	1126	1116		1117	1134		1242	82.0%
16 Months	75	1074	225	977	1062	1039	932	1242	4.8%
19 Months	705	1084	767	1023	1075	1071	983	1242	50.8%
21 Months	811	1091	859	1039	1082	1083	999	1242	58.4%
24 Months	907	1099	942	1078	1095	1097	1037	1242	66.2%
72 Months	0	0	0	0	0	0	0	0	0

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## Age specific benchmark example



**Clinic C:**  
What do you see?

Assessment of Patients Meeting Age Specific Benchmarks									
UTD Age	DTap	Hep B	Hib	MMR	Polio	Prevnar	Varicella	Total Meeting Age Criteria	% Coverage
3 Months	84	45	84		28	66		217	10.1%
5 Months	63	20	67		16	43		217	5.5%
7 Months	45	22	81		19	59		217	6.5%
9 Months	54	22	83		23	71		217	6.9%
12 Months	62	22	86		26	78		217	6.9%
16 Months	8	12	75	10	18	64	7	217	.5%
19 Months	33	12	77	13	26	67	9	217	.9%
21 Months	36	12	77	17	26	67	9	217	.9%
24 Months	45	12	80	22	38	69	12	217	1.4%
72 Months	0	0	0	0	0	0	0	0	0

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## What other rates should you be aware of?



**Child Immunization Rates**  
Immunization rates for two-year-olds in Oregon.



**Adolescent Immunization Rates**  
Immunization rates for adolescents age 13 to 17.



**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**  
Information for schools and child care facilities to meet data sharing requirements, and links to county immunization rates.

**Questions about rates**

ALERT IIS Help Desk  
971-673-0225  
9:00am - 4:00pm

**Information on clinic-specific rates**

Rex Larson  
AFIX Coordinator  
rex.larson@state.or.us  
971-673-4999

**School Immunization data**

Stacy de Asis Matthews  
School Law Coordinator  
stacy.d.matthews@state.or.us  
971-673-0528

<https://public.health.oregon.gov/PreventionWellness/VaccinesImmunization/Pages/research.aspx>

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## ALERT IIS reminder recall

- Allows users to recall patients that need to come in for immunizations
- Recall at 13 months: ensure they don't fall behind
- Recall at 19 months: capture kids that haven't had all doses necessary in the second year of life
- Auto recall at 22 months

**Resources:**

- <http://public.health.oregon.gov/PreventionWellness/VaccinesImmunization/alert/Pages/Reports-Training.aspx>




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**IQIP**  
IMMUNIZATION QUALITY IMPROVEMENT FOR PROVIDERS

## At-A-Glance

For Providers

**IQIP is CDC's national, Vaccines for Children (VFC) provider-level immunization quality improvement (QI) program.**

IQIP promotes and supports implementation of provider-level strategies designed to help increase on-time vaccination of children and adolescents.

**IQIP strategies**

- Schedule the next immunization visit before the patient leaves the office
- Leverage immunization information system (IIS) functionality to improve immunization practice
- Give a strong vaccine recommendation (include HPV vaccine if provider has adolescent patients)
- Custom strategy based on state or local public health priorities

**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 immunization workflow.

**Site visit**

- Discuss provider workflow
- Review initial coverage
- Select QI strategies
- Plan for implementation of QI strategies

**2-month and 6-month check-ins**

- Review progress toward strategy implementation
- Update Strategy Implementation Plan

**12-month follow-up**

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

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# Oregon Health Authority

Thank you!

Jody Anderson & Rex Larsen  
VFC Help Desk: 971-673-4832

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