
Dose Level Eligibility: The Oregon Experience

AIRA Webinar
March 20, 2013



OREGON IMMUNIZATION PROGRAM
Oregon Public Health Division

ALERT IIS History



Started accepting
eligibility codes
immediately

OREGON IMMUNIZATION PROGRAM
Oregon Public Health Division

1996

Public Private Partnership

Oregon Immunization ALERT New Enrollee Form	
↓ Clinic or Attending Provider Stamp ↓	Provider's office staff: Place Enrollee barcode label here and complete information: Name: _____ DOB: _____ OR-000-000-007
Please print the following patient information (in black ink):	
Date of birth: MM / DD / YYYY <input type="checkbox"/> Male <input type="checkbox"/> Female OR - Previous barcode number (only if known)	
Patient's name: First Middle Last	
Parent/guardian name (if minor): First Last	
Patient's last name at birth Mother's maiden name (mother's last name before she was married)	
State of birth (Country if not USA) Primary language	
Home address: Street Apt.# City State Zip code	
Mailing address: (if different) Street Apt.# City State Zip code	
Phone number Alternate phone (if any)	
Social Security number Medicaid ID number or insurance number (if applicable)	
Optional Social Security numbers are used to match immunization records and will help ensure your full record is accurate and up-to-date.	
Comments:	To contact ALERT: phone: 1-800-980-9431 971-673-0275 fax: 971-673-0276 e-mail: OHD.ALERT@state.or.us

If patient has record of prior immunizations, you may photocopy the record, attach the HISTORY barcode and submit with this form. ALERT will enter the information provided.

Date vaccine given:			← Please use only for vaccine date shown
Mm	dd	yyyy	
Vaccine eligibility: (must check one)			Bar code label here
<input type="checkbox"/> Medicaid/OHP			Bar code label here
<input type="checkbox"/> Amer. Indian/Alaskan Native			Bar code label here
<input type="checkbox"/> No Insurance			Bar code label here
<input type="checkbox"/> Underinsured			Bar code label here
<input type="checkbox"/> Copay unaffordable			Bar code label here
<input type="checkbox"/> Billable (Fully Insured)			Bar code label here
<input type="checkbox"/> Locally Owned			Bar code label here
<input type="checkbox"/> Other			Bar code label here
<input type="checkbox"/> Unknown			Bar code label here
<input type="checkbox"/> History Only (Shots previously given)			Bar code label here

Oregon
Health
Authority

ALERT IIS History



2010

Transitioned to new IIS

Built into new IIS
dose level eligibility
functionality

A screenshot of the ALERT Immunization Information System website. The header is dark blue with the "ALERT" logo and the title "ALERT Immunization Information System". Below the header is a navigation bar with links: HOME, FORMS, RELATED LINKS, and TRAINING. The main content area is white. On the left, there is a login section with fields for "Training Region", "Org Code", "Username", and "Password", and a "Login" button. Below the login section, there is a warning: "DO NOT ATTEMPT TO LOG ON UNLESS YOU ARE AN AUTHORIZED USER." On the right, there is a "Hot Topics" section with a link to "New Link to Register for Live, Webinar Trainings" and a "Posted on 11/26/2012" date. Below this, there are links to "About ALERT Immunization Information System", "Disclaimer", and "Contact Us". At the bottom, there is a copyright notice: "Copyright © 1999 - 2013 State of Wisconsin. All rights reserved."

Dose Level Eligibility: User Interface

Enter New Immunization

From ALERT IIS Inventory ☐

Date Administered

Administered By

Remove	Immunization	* Trade Name	Lot #	* Vaccine Eligibility	Administered By
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Body Site <input type="text"/>		Route <input type="text"/>	Dose <input type="text"/>	
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Body Site <input type="text"/>		Route <input type="text"/>	Dose <input type="text"/>	

Enter New Immunization

From ALERT IIS Inventory ☒

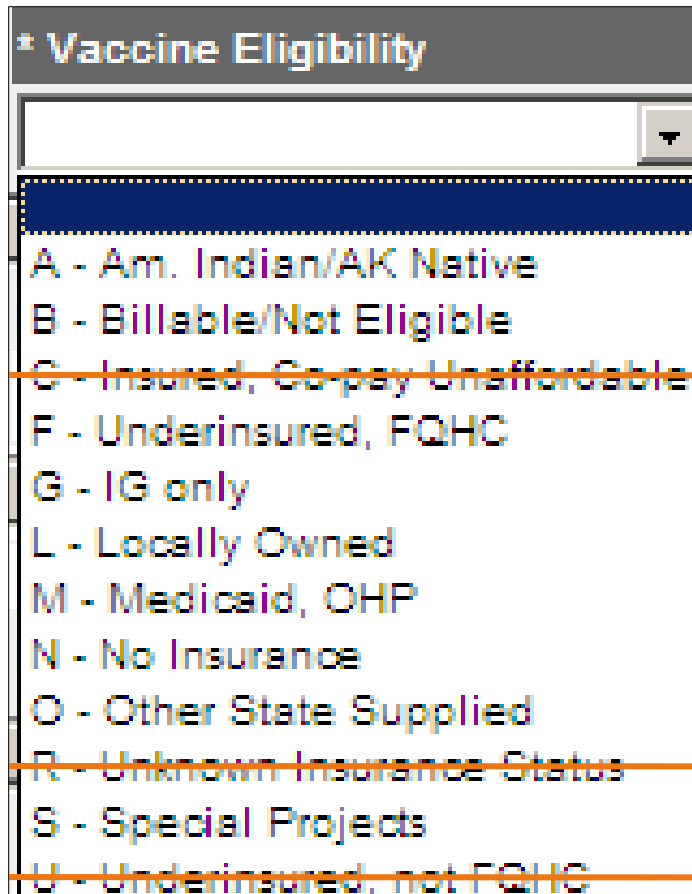
Date Administered

Administered By

Activate Expired

Remove	Immunization	* Trade Name-Lot #-Funding Source- Exp Date	* Vaccine Eligibility	Administered By
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Body Site <input type="text"/>		Route <input type="text"/>	Dose <input type="text"/>

Dose Level Eligibility: User Interface



- Org settings – rules determine what codes are available.
- Removed patient/visit level eligibility and replaced with dose level.
- Old code set was large to capture all nuances. Now it is cut back to be aligned with national specs.

Dose Level Eligibility: Data Exchange

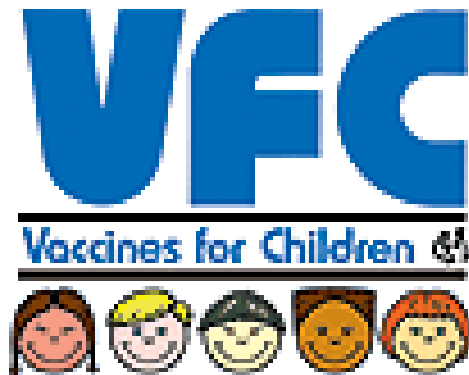
- ALERT IIS Onboarding team works with sites to send vaccine eligibility codes via data exchange (flat and HL7)
- Onboarding team must work closely with the clinic and IT staff to determine the best way to get dose level eligibility codes
- Eligibility data at dose level is submitted in OBX segment
 - Some EHRs will not capture at dose level and are inferring from patient or visit level (note: this is not best practice)
- Oregon business rules will reject a mismatched eligibility code on an immunization that is not publicly supplied (yellow fever)

Dose Level Eligibility: Data Exchange

NOTE 1: Vaccine Eligibility Code is required for Vaccines for Children (VFC) participating clinics.

- The ALERT IIS collects vaccine eligibility code by dose in the OBX segment
- ALERT IIS requires this information at the dose level to support both billable projects and future accountability and interface requirements for vaccine ordering, distribution and inventory.

History of Oregon VFC



Example - one patient with more than one eligibility at a single visit

You take your 16 year old son to his doctor for a well-adolescent visit. His doctor recommends that he receive Tdap, HPV, and flu today. Your insurance covers Tdap and flu, but it does not yet cover HPV for males.

Your son is insured for Tdap and flu, and he is underinsured for HPV.

Example - one patient with more than one eligibility at a single visit

OIP runs a project with one-time CDC funds to vaccinate uninsured women with HPV vaccine.

An uninsured 19 year old goes to her college Health Services to receive the MMR she needs for college entry.

Health Services gives the MMR and codes her as 317-eligible for this dose. Because Health Services participates in the HPV project, they also administer HPV and code it as Special Project vaccine.

In Oregon, dose-level eligibility is essential to our work

Billables

- We provide vaccine to public clinics to administer to their insured clients. Public clinics bill insurance, and OIP bills public clinics quarterly to recoup these costs.
- Dose-level eligibility ensures that we do not bill unless the public clinic collected funds from insurance.

Billables Report in ALERT IIS

Billing Report Request

Select Report Time Period
☒ Quarter Quarter 4 Year 2012
☐ Begin Month Year End Month Year

Select Billing Organization
☒ Use Single Organization ☐ Include Satellite Organizations

Enter Memo Presentation Information...
VFC Manager: Admin.Specialist:

Select Included Reports
☐ Include Memo
☒ Include Summary
☒ Include Detail

Generate

Cancel

Billables Report in ALERT IIS

Billable Vaccination Detail Listing

Quarter: 10/01/2012 - 12/31/2012

Organization:

Organization VFC PIN:

Satellite: N/A

Satellite VFC PIN: N/A

Vaccine: Tdap

Brand: Tdap > 7 years, NOS

Price: \$ 35.25

State ID
10974150

Vaccination Date
11/15/2012

Client Name

Date of Birth
08/05/1947

Total Tdap > 7 years, NOS Vaccinations:

1.0

Cost:

\$ 35.25

=====

Total Tdap > 7 years, NOS Vaccinations:

1.0

Cost:

\$ 35.25

=====

Total Tdap Vaccinations:

1.0

Cost:

\$ 35.25

Total

Vaccinations:

1.0

Cost:

\$ 35.25

Agency Total Vaccinations:

1.0

Cost:

\$ 35.25

In Oregon, dose-level eligibility is essential to our work

Special Projects

- Occasional limited, one-time only funding from CDC to purchase vaccines
- Oregon uses funding for Special Projects to push vaccine out to underserved communities
- Clinics have access to an Oregon-specific eligibility code “S”
 - Allows clinics to account for Special Project vaccine and regular inventory vaccine administered at the same visit.

In Oregon, dose-level eligibility is essential to our work

Accountability

- Our expectation and our goal is dose-level accountability in ALERT IIS.
- Today: our visibility into accountability is a hodge-podge process
- The future: Oregon Vaccine Stewardship Legislation and the ALERT IIS Accountability Report

Vaccine Stewardship

- Legislation passed in 2011 that requires every clinic that receives state-supplied vaccine to meet the following IIS requirements:
 - Report every dose to ALERT IIS for every patient
 - Report every dose with a vaccine eligibility code
 - Report every dose within 14 days of administration
 - Use the inventory and ordering module

IIS Reports Used by VFC

Vaccines For Children For Dates Between 01/01/2013 and 01/31/2013

Report run on: 03/08/2013 7:21 AM

Page 1

0008 CO HEALTH DEPT - 000006

Key: Vaccine Eligibility Code		
M - Medicaid, OHP	U - Underinsured, not FQHC	B - Billable/Not Eligible
N - No Insurance	C - Insured, Co-pay Unaffordable	L - Locally Owned
A - Am. Indian/AK Native	O - Other State Supplied	S - Special Projects
F - Underinsured, FQHC	R - Unknown Insurance Status	G - IG only
		NS - Not Specified

(Age)	M	N	A	F	U	C	O	R	B	L	S	G	NS	Total
<1	3	0	0	0	0	0	0	0	0	0	0	0	0	3
1-6	11	7	0	0	0	0	0	0	0	1	1	0	0	20
7-18	18	6	1	0	0	0	1	0	0	1	3	0	0	30
19+	0	0	0	0	0	0	0	0	1	13	8	0	0	22
Total	32	13	1	0	0	0	1	0	1	15	12	0	0	75

Vaccines for Children

For Dates Between 01/01/2013 and 01/31/2013

Report run on: 03/08/2013 7:22 AM

Organizator

Key: Vaccine Eligibility Code		
M - Medicaid, OHP	U - Underinsured, not FQHC	B - Billable/Not Eligible
N - No Insurance	C - Insured, Co-pay Unaffordable	L - Locally Owned
A - Am. Indian/AK Native	O - Other State Supplied	S - Special Projects
F - Underinsured, FQHC	R - Unknown Insurance Status	G - IG only
		NS - Not Specified

Vaccine	M	N	A	F	U	C	O	R	B	L	S	G	NS	Total
DTP/aP-HepB-	4	0	0	0	0	0	0	0	0	0	0	0	0	4
Polio	1	2	0	0	0	0	0	0	0	0	0	0	0	3
PneumoConjuga	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Hib	3	0	0	0	0	0	0	0	0	0	0	0	0	3
HepB	0	4	0	0	0	0	0	0	0	2	0	0	0	6
Td/Tdap	5	4	1	0	0	0	1	0	1	11	6	0	0	29
HepA	6	1	0	0	0	0	0	0	0	1	0	0	0	8
DTP/aP-Polio	3	4	0	0	0	0	0	0	0	0	0	0	0	7
HPV	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Influenza-seasnl	15	3	0	0	0	0	0	0	0	1	6	0	0	26
Varicella	4	1	0	0	0	0	0	0	0	0	0	0	0	6
MMR	4	6	0	0	0	0	0	0	0	0	0	0	0	10
Total	48	25	1	0	0	0	1	0	1	15	12	0	0	103

Inventory Transactions Report

home manage access/account forms related links logout help desk

organization • user Jenne Mckibben • role Super User (Provider and LHD)

Vaccine Transactions for: AL1509 - 000006

Date Entered [From]: To: View

Date shot was given [From]: To: Cancel

User Name: All User Names

Transaction Type: All Transaction Types

Site Name:

Trade Name/Lot Number/Funding Source:

Display Last

- All Transaction Types
- Receipt of Inventory
- Error Correction
- Doses Reconstituted
- Doses Returned
- Doses Transferred
- Immunization given
- Immunization deleted
- Doses Recalled
- Doses Administered
- Borrowed In
- Borrowed Out
- Borrowed Imm Given
- Spoilage reported by provider
- Expiration reported by Provider
- Lost or damaged in transit to Provider
- Failure to store properly upon receipt by Provider
- Refrigeration failure reported by Provider
- Lost or unaccounted for in Provider inventory
- Other - Not Usable, reported by Provider

Challenges to dose-level eligibility

- Often requires more insurance screening and coordination with the person pulling vaccine out of the refrigerator
- Many EHRs or billing systems are not able, at this point, to truly capture dose-level eligibility
- HL7 2.5.1 specs include dose level eligibility differences across IISs

Benefits to dose-level eligibility

- Dose-level eligibility = complete accountability
- Ability to run a Billables program
- Ability to implement Special Projects
- Huge advantages for conducting VFC site visits
 - OIP staff armed with data
 - OIP staff educate clinic staff on how to get the data for themselves

Benefits of collaboration

- Symbiotic relationship – ALERT IIS is the backbone of almost all OIP activities. Because of this, all program areas promote the use of ALERT, which helps ensure the accuracy and completeness of data in ALERT.



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