

Understanding Vaccine Storage and Handling for the Vaccines for Children Program





What do I
do with all
of this
vaccine?

How do I
take care of it?

How do I make
sure it's ok to
give to
patients?

Keep your sanity!!
**Practice impeccable vaccine
storage and handling
techniques!!**

Vaccines are Expensive!


GARDASIL.

=



\$105.58

VARIVAX®

[vacuna de virus vivo contra la varicela
(Oka/Merck)]

=



\$64.53


Adacel®
Tetanus Toxoid, Reduced
Diphtheria Toxoid and Acellular
Pertussis Vaccine Adsorbed



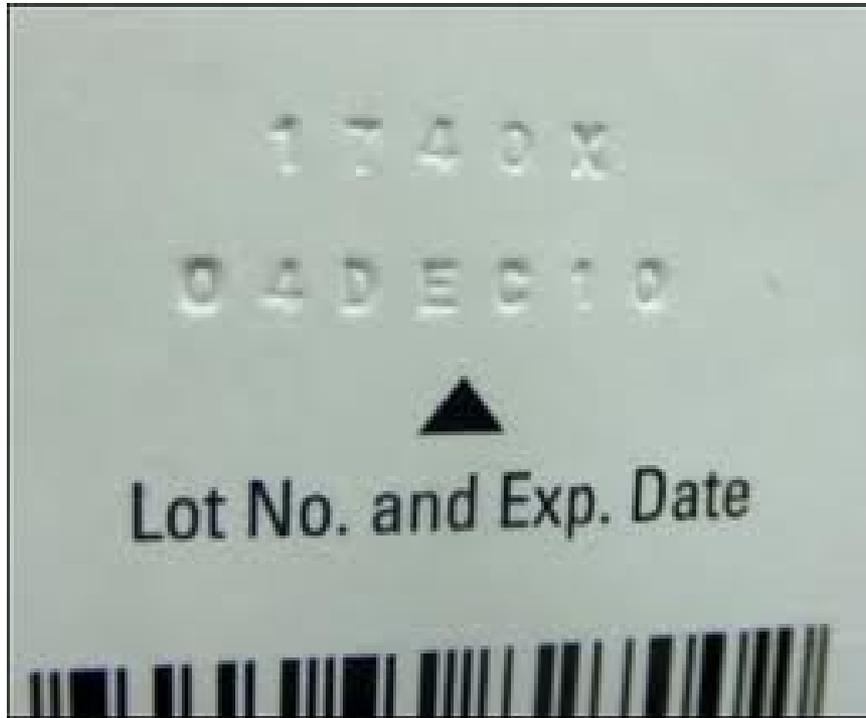
\$30.75

The high cost of doing business

**803 doses
= \$32,000
in vaccine**



Clinics pay for any wasted or expired VFC vaccine



Find your excess & short-dated vaccine a home!

- **90+ days before vaccine expires**
- **Be sure accepting clinic can use it up**
- **Do transfer in ALERT IIS**

Use the VFC provider map
<http://1.usa.gov/OregonVFCclinics>

If vaccine were money, and your fridge were a safe, would you:

- Leave at night without making sure all your money was in the safe?**
- Leave \$1000 dollars sitting on the counter?**
- Leave the safe door open?**
- Leave the safe unlocked when you went home?**
- Run your own business or home without tracking how much money is in the safe?**

Vaccines are Sensitive!



Live vaccines are sensitive to heat.

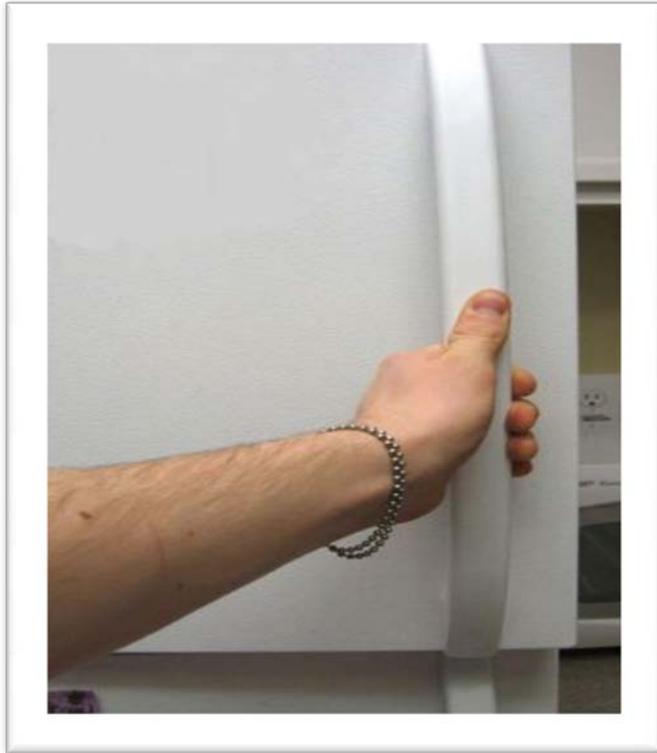
MMRV, Varicella, and Zoster vaccines

Inactivated vaccines are sensitive to both excessive heat and freezing.



Vaccines are sensitive to light, which causes loss of potency.

Vaccine Basics



**Minimize opening
and closing of doors**

**Reduce exposure
to light**



Appropriate Temperature Ranges

Freezer:
5° F / -15 ° C
or colder

Refrigerator
35° - 46° F /
2° - 8° C

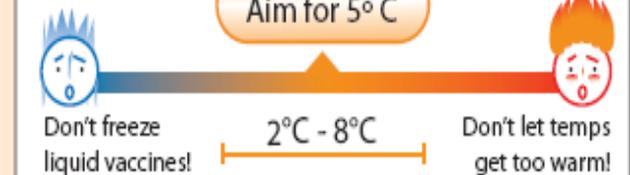
 Freeze
MMR,
MMRV, and
Varicella

Colder is Better



 Refrigerate
all other
vaccines

Aim for 5° C



Document Temperatures *Twice a Day*

First thing in the morning



**An hour before
leaving at night**

Twice Daily Temperature Checks

Temperature Log for Vaccines (Fahrenheit)

Month/Year: _____ Days 1-15

Completing this temperature log: Check the temperatures in both the freezer and the refrigerator compartments of your vaccine storage units at least twice each working day. Place an "X" in the box that corresponds with the temperature and record the ambient (room) temperature, the time of the temperature readings, and your initials. Once the month has ended, save each month's completed form for 3 years, unless state or local jurisdictions require a longer time period.

If the recorded temperature is in the shaded zone: This represents an unacceptable temperature range. Follow these steps: 1. Store the vaccine under proper conditions as quickly as possible. 2. Call the vaccine manufacturer(s) to determine whether the potency of the vaccine(s) has been affected. 3. Call the immunization program at your local health department for further assistance: (_____) _____. 4. Document the action taken on the reverse side of this log.

Day of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Staff Initials																
Room Temp.																
Exact Time																
°F Temp	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
Refrigerator temperature	- 49°															
	- 48°															
	- 47°															
	- 46°															
	- 45°															
	- 44°															
	- 43°															
	- 42°															
	- 41°															
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	- 39°															
	- 38°															
- 37°																
- 36°																
- 35°																
- 34°																
- 33°																
- 32°																
Freezer temp	- 8°															
	- 7°															
	- 6°															
	- 5°															
	- 4°															
	- 3°															

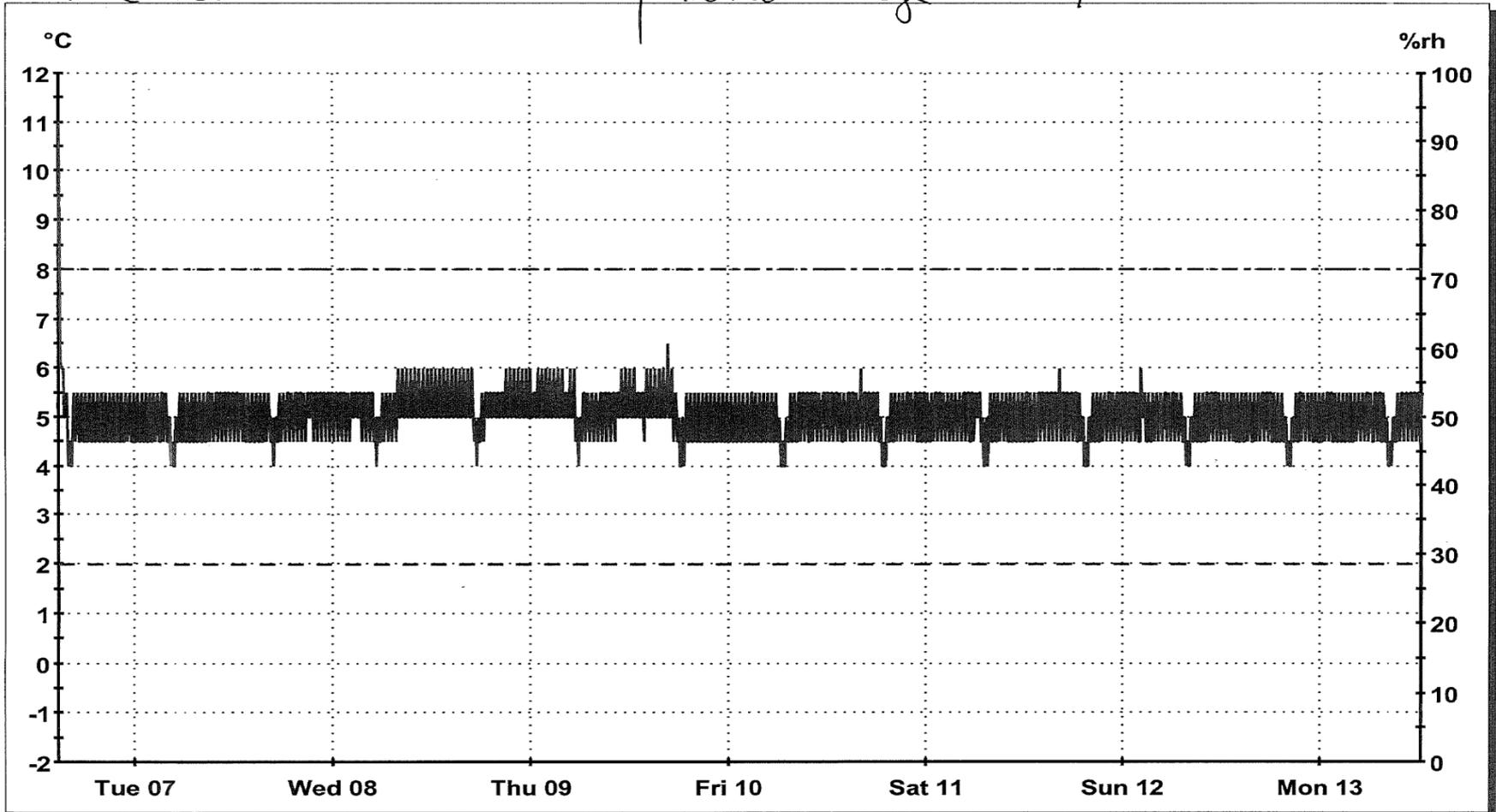
Adapted by the Immunization Action Coalition courtesy of the Michigan Department of Community Health and the California Department of Health Services.
 Technical content reviewed by the Centers for Disease Control and Prevention, Jan. 2007. www.immunize.org/catg.d/p3039.pdf • Item #P3039 (1/07)
 Distributed by the Immunization Action Coalition • (651) 647-9009 • www.immunize.org • www.vaccineinformation.org • admin@immunize.org

Ensure temperatures have not gone out of range since last check

Review & Save Datalogger Charts Weekly

CCCFVacHelmer

Coffee Creek correctional facility - Helmer fridge - WK 8/6

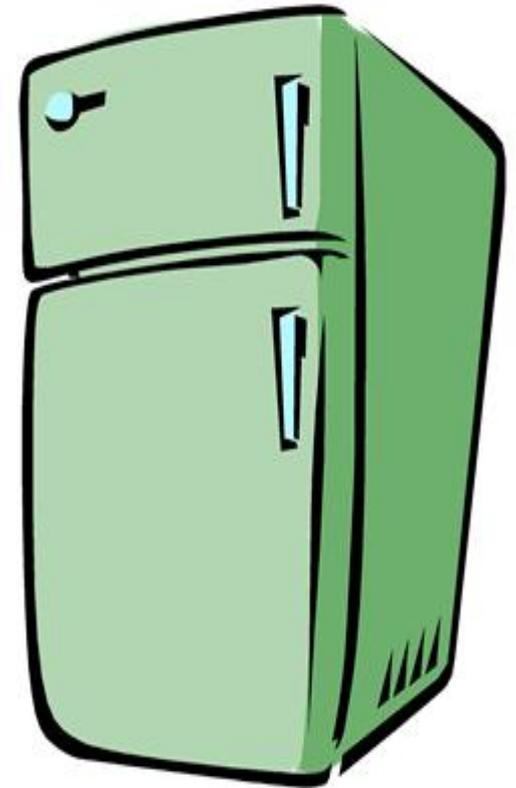


— Celsius - - - High Alarm - - - Low Alarm

From:- 06 August 2012 14:50:35 To:- 13 August 2012 12:21:35

Maintain Your Inventory

- Store & rotate vaccines according to expiration dates
- Use short-dated vaccines first
- Don't let short-dated vaccine go unused
- Order according to cycle
- Order only what you need
- Open & check deliveries right away
 - Did you get what you ordered?
 - Is the vaccine still viable?



Standard Operating Procedures

Oregon Immunization Program



- **Where is your SOP?**
- Have all staff read the SOP?
- Do all staff know where to find the SOP?
- **Do you have a written vaccine emergency plan?**
- Has emergency plan been reviewed in last 12-months?

If temps go out of range?

Do Something!

- Alert your immunization coordinator and manager
- Carefully make adjustments
- Re-check in an hour
- Over an hour, put your emergency plan into action
- Mark “do not use” & quarantine
- Do NOT throw out the vaccine
- Call your VFC Health Educator



Document!

Document!

Document!

Emergency Plans

The most important action to take if a vaccine storage unit is not working properly, or loses power, is to protect the vaccine supply.



Written Emergency Plans are Mandatory

1st Steps:

- Identify, contact & contract with an alternative storage site
- Have sufficient materials to pack vaccine for transport
- Designate and train responsible staff
- Create a list of emergency numbers

Written Emergency Plans

Plans must include:

- Name of responsible staff and back-up
- Location and inventory of packing materials
- Location of switches, circuit breakers, flashlights, etc.
- Step-by-step instructions for:
 - response to emergency situations
 - evaluation of need to move vaccine
 - vaccine packing & transport
- Emergency numbers (staff, repair, utility company, etc.)
- Name, location and contact info on storage site
- Copy of contract/agreement with storage site

For More Information...

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Vaccines for Children
Public Health Educator
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What can Oregon's Immunization Information System (ALERT IIS) do for your SBHC?



Agenda:

- Importance of Super User role
- How to find training
- Vaccine management in the IIS
- Clinic level reports
- Wrap up

Importance of the Super User Role

- Assure all users trained
- Individual user agreements
- New user setup
- User maintenance: password resets, termination
- Access to shipping hours
- Access to billables reports
- Basic system questions

www.alertiis.org

ALERT ALERT Immunization Information System

HOME FORMS RELATED LINKS **TRAINING**

Production Region
* * * * *

Org Code:

Username:

Password:

Login

DO NOT ATTEMPT TO LOG ON UNLESS YOU ARE AN AUTHORIZED USER.

Hot Topics [HT-1](#)

Welcome to Oregon's ALERT IIS *Posted on 04/26/2012*

If you are an authorized user, please login using your unique Organization Code, Username, and Password combination.

If you are a new user, please visit the training tab above, and contact your organization's Super User for further information. If you are from an organization requesting access for the first time, please contact the ALERT Help Desk to request a Welcome Packet. ALERT IIS Help Desk hours are 8am - 5pm Monday through Friday, excluding most government holidays. Contact the Help Desk at 800-980-9431 or alertiis@state.or.us.

This site will work optimally for users logging in with Internet Explorer browsers versions 6, 7, or 8. If you are using alternate browsers and experience display issues, please consider switching to Internet Explorer.

- [About ALERT Immunization Information System](#)
- [Disclaimer](#)
- [Contact Us](#)

Training

ALERT ALERT Immunization Information System

HOME FORMS RELATED LINKS TRAINING

Production Region

Org Code:

Username:

Password:

Login

DO NOT ATTEMPT TO
LOG ON UNLESS YOU
ARE AN AUTHORIZED
USER.

Basic Training

The optimal way to learn the new ALERT IIS is by attending a live webinar.

You also have the option to take self guided training videos.

When loading videos:

- It may take several minutes for a video to load.
- After video loads, you may scroll down to find the Playback Controls at the bottom of your screen.
- Adjust your Monitor Display Settings to 1024 x 768 pixels for optimal viewing.

How do I sign up for training?

[Click here to sign up for a Live Webinar](#)

ALERT IIS Self Guided Training Videos  click on the arrow to display training videos currently available.

Webinar sign-up

Basic Training

All users need to attend basic training before they will get access to the new system

- [Sign-up for the webinar](#)

• Watch the training videos: Users who submit data through their electronic health records. Adding Historical Immunizations, Adding New Immunizations or Managing Patients. to watch all 6 videos to equal one basic training webinar.

→ Super User Training

Each clinic should have a lead contact / super user and all super users need to attend [sign-up for this webinar](#).

Managed Care Organization Basic Training

This training is only intended for designated users from managed care organization Help Desk at 800-980-9431.

→ Vaccine Inventory Training

All users who will be using the inventory module need to attend this training.

- [Sign-up for the vaccine inventory Training webinar](#)
- [Watch the vaccine inventory training video](#)

→ Ordering State Supplied Vaccine

You may now order all state-supplied vaccine in ALERT IIS. Please discontinue use of other systems. We encourage you to try it. Below are links to training resources that you may find helpful.

- [Instructions \(Adobe PDF\)](#)

Training Videos

Basic Training

[Accessing ALERT IIS](#)

[Managing Patients](#)

[Understanding the History/Recommend Page](#)

[Adding New Immunizations](#)

[Adding Historical Immunizations](#)

[Generating Patient Specific Reports](#)

Vaccine Management

[Vaccine Inventory](#)

Reports

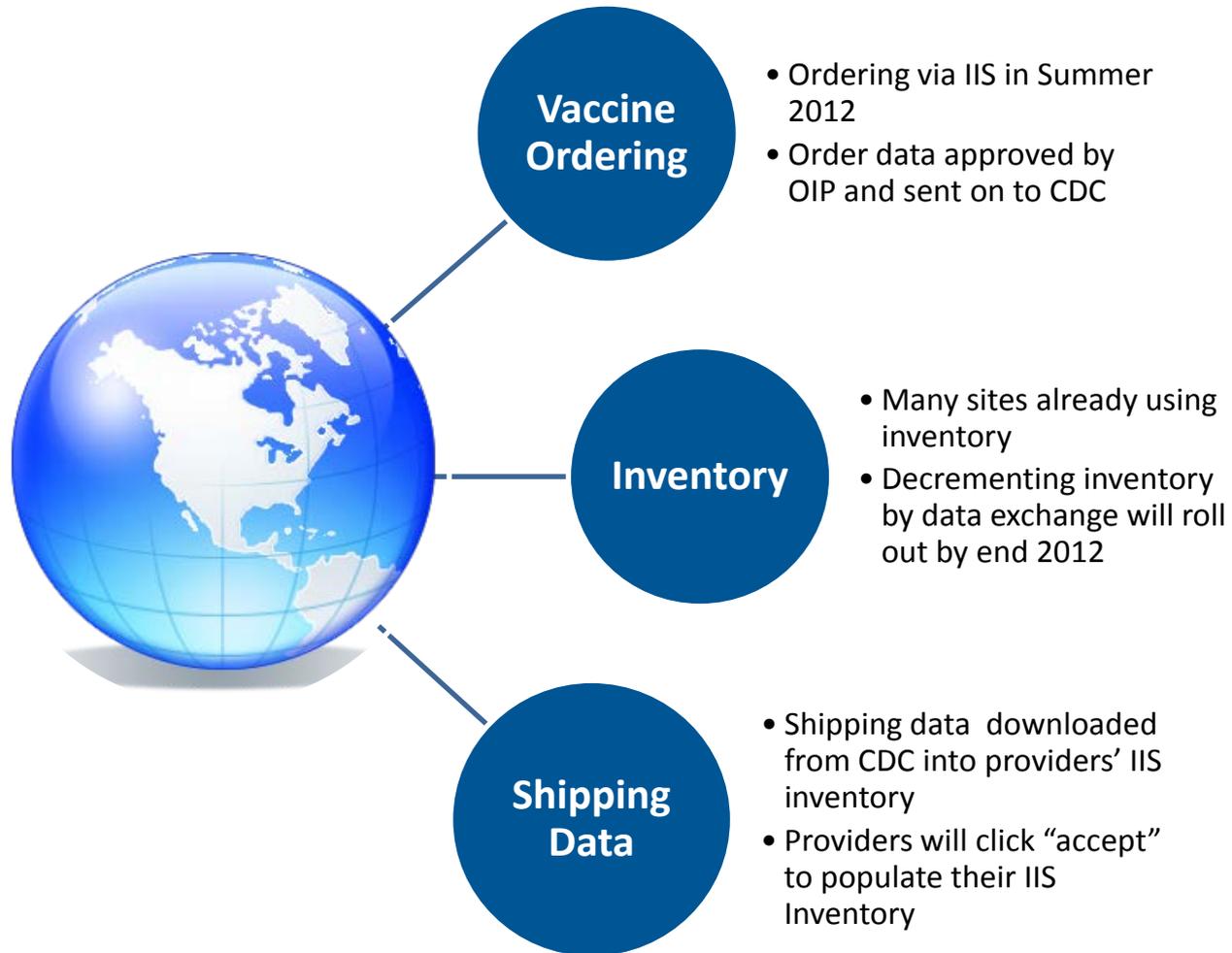
[Generating Advanced Reports](#)

[Generating Ad Hoc Reports](#)

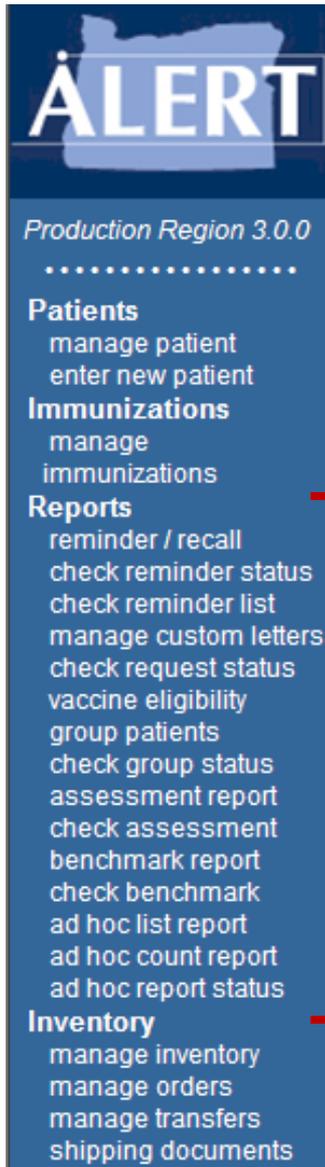
School / Children's Facility Users

[School Users](#)

The World of Vaccine Management

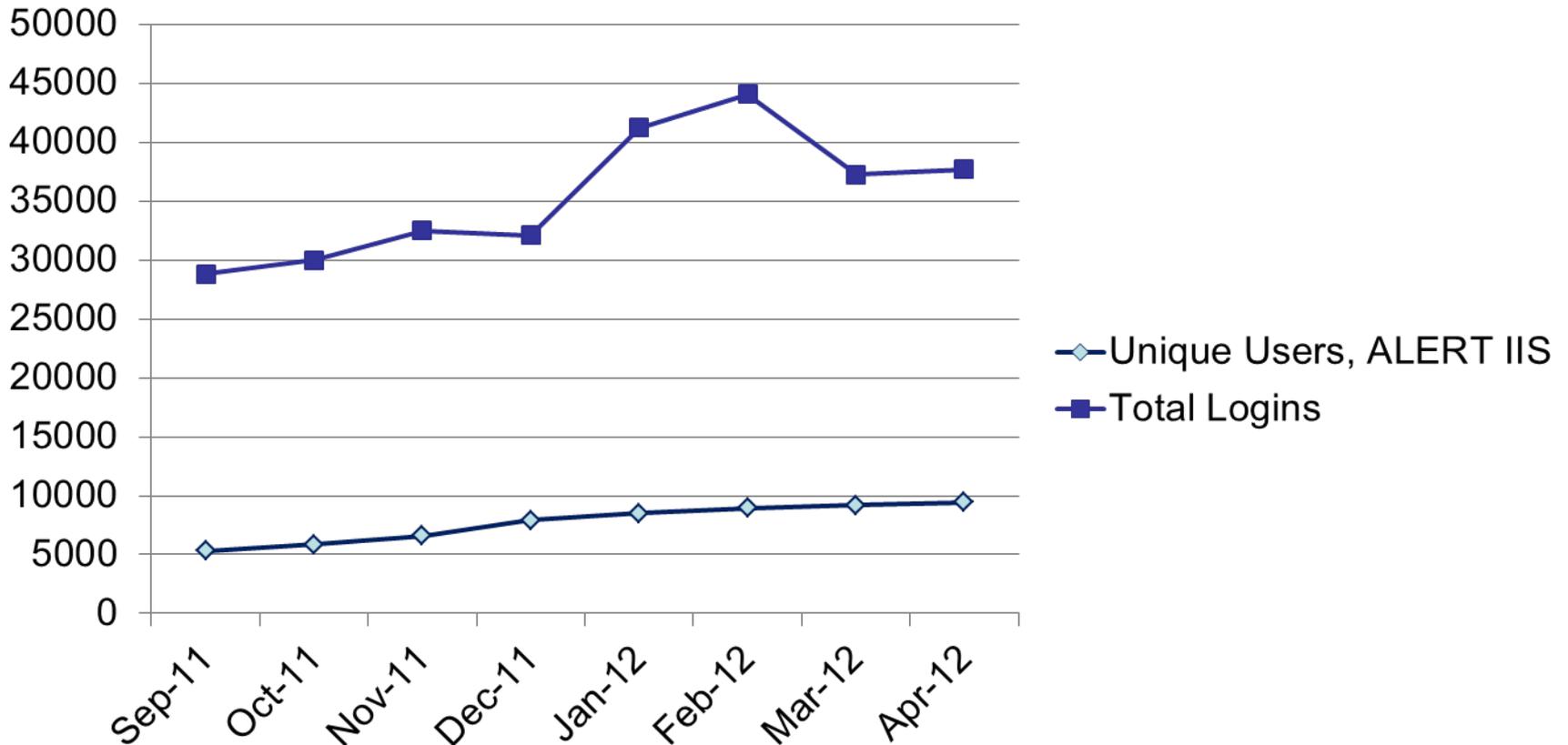


ALERT IIS – Clinic Level Reports



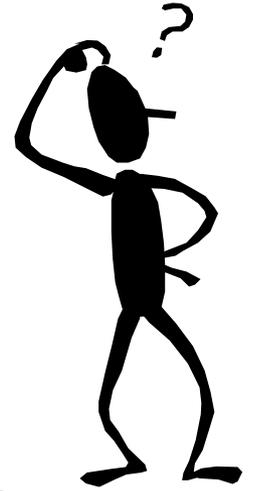
- Reminder Recall
 - Patients not up-to-date
 - Create letters
- Vaccine Eligibility
 - Manage coding
- Adhoc List
 - Create report at will
 - Includes patient names
- Adhoc Count
 - Create report at will
 - Numbers only

Growth (and Seasonality) in Logins



Questions?

Contact Information



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