

Nurses Get Access to the WAIS School Module to Improve Student Immunization Compliance

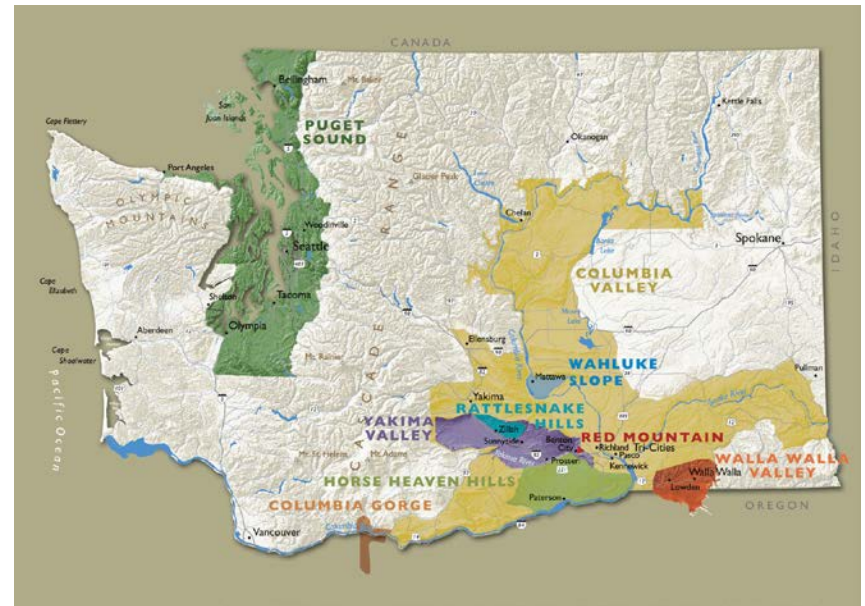
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Office of Immunization and Child Profile
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Topics for Today

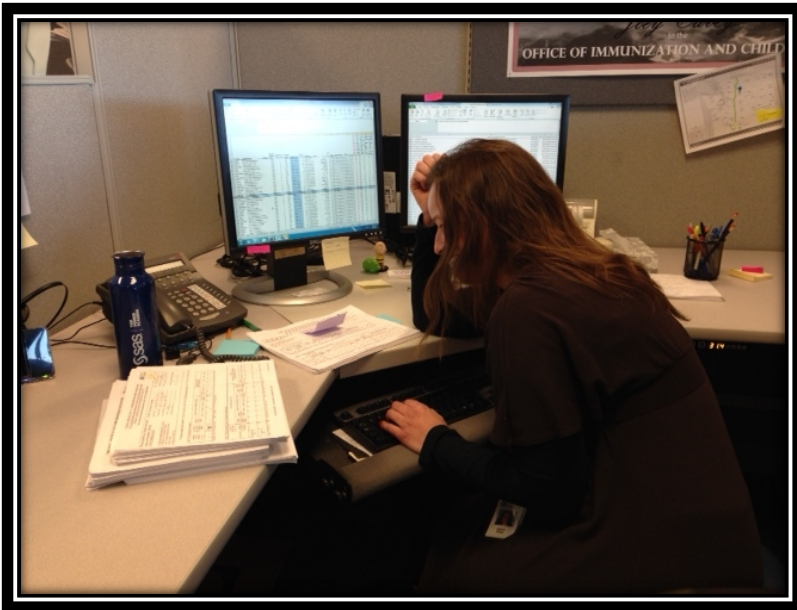
- Life in Washington
- Activities
- Challenges
- Lessons learned
- Future rollout



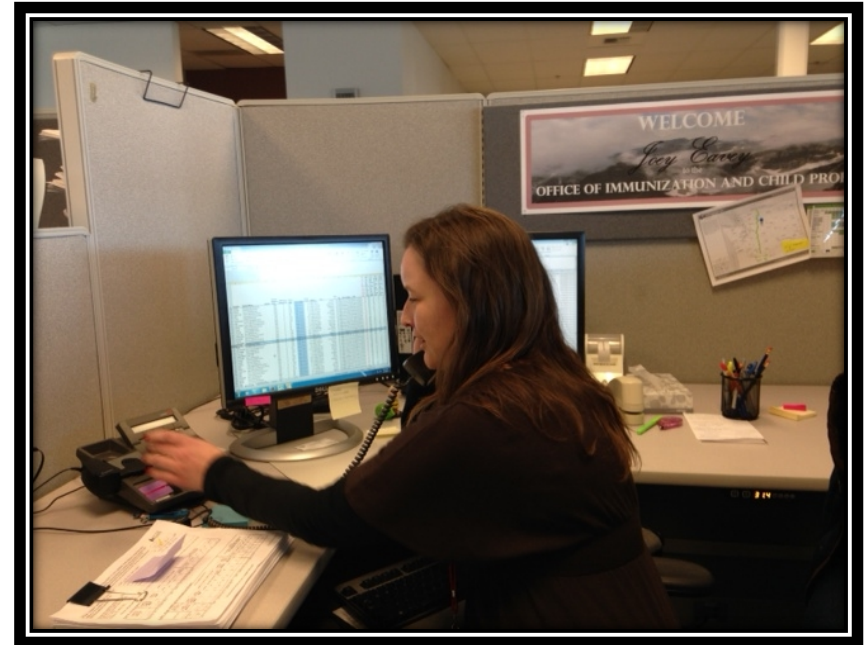
School Nurse Joey – Washington Elementary School



School Nurse Joey



"I have to enter all these immunization records?!"



"Help!! Why is my system telling me this student is in compliance for Tdap but the WAIS is showing they are NOT in compliance?!"

WA DOH Nurse Consultant Trang



WA DOH Nurse Consultant Trang



“Hi Joey--let’s look at the requirements and then we’ll see what the IIS shows!”

Minimum Age & Interval for Valid Vaccine Doses

Vaccine	Dose #	Minimum Age	Minimum Interval Between Doses	Notes
Hepatitis B HepB	Dose 1	Birth (K-12 th)	4 weeks between Dose 1 & 2 (K-12 th)	<ul style="list-style-type: none"> 2 doses valid if adult Recombivax HB[®] given between ages 11 and 15 and doses separated by at least 4 months.
	Dose 2	4 weeks (K-12 th)	8 weeks between Dose 2 & 3 (K-12 th)	
	Dose 3	24 weeks (K-7 th) 4 months (8 th -12 th)	16 weeks between Dose 1 & 3 (K-7 th) 12 weeks between Dose 1 & 3 (8 th -12 th)	
Diphtheria, Tetanus, and Pertussis DTaP/DT	Dose 1	6 weeks	4 weeks between Dose 1 & 2	<ul style="list-style-type: none"> DTaP: for children through age 6. Recommended: 6 months between Dose 3 and Dose 4, but at least 4 months minimum interval acceptable.
	Dose 2	10 weeks	4 weeks between Dose 2 & 3	
	Dose 3	14 weeks	6 months between Dose 3 & 4	
	Dose 4	12 months	6 months between Dose 4 & 5	
	Dose 5	4 years	–	
Tetanus, Diphtheria, and Pertussis Tdap	Dose 1	10 years (minimum age depends on vaccine brand)	–	<ul style="list-style-type: none"> Boostrix[®]: licensed for minimum age of 10 years; Adacel[®]: licensed for minimum age of 11 years. Can be given regardless of the interval between DTaP or Td. Students 7-10 years of age not fully immunized with DTaP should get one Tdap followed by additional doses of Td if needed.
Tetanus and Diphtheria Td	Dose 1	7 years	5 years	<ul style="list-style-type: none"> Td: for children on or after 7 years of age. 3 doses of Td required, if starting series on or after 7 years of age, with a single dose of Tdap preferred as the first dose.
Polio IPV or OPV	Dose 1	6 weeks	4 weeks between Dose 1 & 2	<ul style="list-style-type: none"> Not required for students 18 years and older. If all doses before August 7, 2009: 4 week minimum interval must separate all doses and Dose 4 minimum age must be at least 18 weeks of age.
	Dose 2	10 weeks	4 weeks between Dose 2 & 3	
	Dose 3	14 weeks	6 months between Dose 3 & 4	
	Dose 4	4 years	–	
Measles, Mumps, and Rubella MMR	Dose 1	12 months	4 weeks between Dose 1 & 2	<ul style="list-style-type: none"> MMRV (MMR + varicella) may be used instead of separate MMR and varicella vaccines. Must get the same day as VAR <u>OR</u> at least 28 days apart. 4-day grace <u>DOES</u> apply between doses of the same live vaccine such as MMR/MMR or MMRV/MMRV. The 4 day grace period <u>DOES NOT</u> apply between Dose 1 and Dose 2 of different live vaccines, such as between MMR and Varicella or between MMR and live flu vaccine.
	Dose 2	13 months	–	
Varicella (chickenpox) VAR	Dose 1	12 months	3 months between Dose 1 & 2 (12 months through 12 years) 4 weeks between Dose 1 & 2 (13 years and older)	<ul style="list-style-type: none"> Recommended: 3 months between varicella doses, but minimum interval of 28 days acceptable. Must get the same day as MMR <u>OR</u> at least 28 days apart. 4-day grace <u>DOES</u> apply between doses of the same live vaccine; <u>DOES NOT</u> apply between doses of different live vaccines.
	Dose 2	15 months	–	

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DOH 348-051 December 2013

Vaccination Summary

Vaccinations outside the ACIP schedule are marked with an 'X'.

Vaccine	1	2	3	4	5	6
DTaP/DTP/Td	10/16/2003 9 weeks	01/02/2004 4 months	02/17/2004 6 months	11/19/2004 15 months	10/23/2008 5 years	X 01/12/2010 6 years
OPV/IPV	10/16/2003 9 weeks	01/02/2004 4 months	05/18/2004 9 months	10/23/2008 5 years		
MMR	08/18/2004 12 months	10/23/2008 5 years				
Hib	10/16/2003 9 weeks	01/02/2004 4 months	05/18/2004 9 months			
Hep A	01/12/2010 6 years					
Hep B - 3 Dose	08/28/2003 2 weeks	02/17/2004 6 months	08/18/2004 12 months			
Varicella	08/18/2004 12 months	10/23/2008 5 years				
Influenza	11/19/2004 15 months					
Pneumo (PCV)	10/16/2003 9 weeks	01/02/2004 4 months	02/17/2004 6 months	11/19/2004 15 months		

11 year old
student

Invalid Vaccinations

Invalid Vaccinations	Date	Reason
DTaP/DT/Td	01/12/2010	Minimum age for this dose not met.

Vaccine Deferrals

Vaccine	Dose	Date
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Vaccine Contraindications

Contraindications

Exemptions

Precautions

Vaccination Forecast

The forecast automatically switches to the accelerated schedule when a patient is behind schedule.

Vaccine Family	Dose	Recommended Date	Minimum Valid Date	Overdue Date	Status
FLU	2	12/19/2004	12/17/2004	01/18/2005	Past Due
HEP-A	2	07/12/2010	07/12/2010	08/12/2011	Past Due
HPV	1	08/14/2014	08/14/2012	08/14/2016	Due Now
MENINGOCOCCAL	1	08/14/2014	08/14/2014	08/14/2016	Due Now
Tdap	1	08/14/2014	08/14/2014	08/14/2016	Due Now

Washington State

- 295 school districts; 2300 public schools; 525 private schools
- Public schools use about 6 different student information systems (private schools??)
 - 70% of schools using one large system
 - Unknown number of schools using other unknown systems/excel/manual
- School nurses provide clinical assistance to vendors and IT staff on immunization requirements and ACIP schedule
- Vendors provide support to one school district; no collaboration between districts

School Module Activities

2008 Purchased SNM

2009 ARRA funding to make modifications

July 2010 Trang started in position

2011 Chris started, learned SM, policy issues, worked with Dept of Ed

Jan 2012 External workgroup started

Fall 2012 School reporting through the SM

Jan 2014-June 2015 Pilot project

Benefits of Using School Module



- Reduces immunization data entry
- Improves ability of schools to accurately determine student compliance
- Schools can print student-specific out of compliance reports and parent letters
- DOH can run immunization status reports in the future

School Module Features

Action Report

To:
The Parent/Guardian of

CHILD'S NAME
ADDRESS
CITY
STATE
ZIP

Parent Letter

Vaccine Family	Dose	Recommended Date	Minimum Valid Date	Status
DTaP/DT/Td	5	04/10/2012	04/10/2012	Due Now
POLIO	4	04/10/2012	04/10/2012	Up To Date

Dear Parent or Guardian:

Washington State law requires all children to be properly immunized to attend or continue attending school. According to our records above, your child did not get the required vaccinations to attend school.

Please ask your child's healthcare provider to give the required vaccination(s) and enter the information into the state immunization registry. If you have an immunization record from your healthcare provider, we can enter the immunizations into the state immunization registry with your consent.

Skipping vaccinations or missing vaccine doses makes it more likely that your child can get sick or give an illness to someone else.

In Washington, all children 18-years old or younger may get vaccines at low or no cost from their health care provider or county health department. Providers may charge an office visit fee and a fee to give the vaccine, called an administration fee. If you cannot pay the administration fee, ask your provider to waive the cost.

Please provide the date(s) of the missing immunizations to the school by _____. If we don't get the information by this date, your child will not be allowed to attend school.

More information about Washington State vaccine requirements can be found at the Washington State Department of Health website:
www.doh.wa.gov/CommunityandEnvironment/Schools/Immunization/VaccineRequirements.aspx

Please call us right away for help or more information. Thank you for your prompt response!

School Nurse Action Report

Report Date: March 4, 2015

School: _____
Grades: Kindergarten, 1st Grade, 2nd Grade, 3rd Grade, 4th Grade, 5th Grade, 6th Grade
Series Name: SY2014-15 GRADE K-3
DTaP/Td . TDAP . OPV/IPV . MMR . HBV . VAR
Legend: 5 : 0 : 4 : 2 : 3 : 2

Student:		Guardian:			
SIIS ID:	4293930	Date of Birth:	10/27/2005		
Grade Level:	3rd Grade	Home Phone:	(509)230-6903		
Physician Name:		Physician Phone:			
Exempt:		Record Found:	Y		
Vaccine Family	Dose	Recommended Date	Minimum Valid Date	Status	Temp Exemption Exp Date
VARICELLA	2nd	11/02/2010	11/02/2010	Out of Compliance	

Student:		Guardian:			
SIIS ID:	5090290	Date of Birth:	06/11/2007		
Grade Level:	2nd Grade	Home Phone:	(509)230-6903		
Physician Name:		Physician Phone:			
Exempt:		Record Found:	Y		
Vaccine Family	Dose	Recommended Date	Minimum Valid Date	Status	Temp Exemption Exp Date
VARICELLA	1st	03/15/2012	03/15/2012	Out of Compliance	

Student:		Guardian:			
SIIS ID:	899076	Date of Birth:	03/18/2003		
Grade Level:	6th Grade	Home Phone:	(509)953-2369		
Physician Name:		Physician Phone:			
Exempt:		Record Found:	Y		
Vaccine Family	Dose	Recommended Date	Minimum Valid Date	Status	Temp Exemption Exp Date
MMR	2nd	05/19/2008	05/19/2008	Out of Compliance	

Student:		Guardian:			
SIIS ID:	8191455	Date of Birth:	08/15/2008		
Grade Level:	1st Grade	Home Phone:	(509)988-0535		
Physician Name:		Physician Phone:			
Exempt:		Record Found:	N		
Vaccine Family	Dose	Recommended Date	Minimum Valid Date	Status	Temp Exemption Exp Date
DTaP/DT/Td	1st	10/15/2008	09/26/2008	Out of Compliance	

Challenges

- Learn system and how to set up WA-specific series
- Read/write access available to all users
- Information sharing agreement
- Student directory electronic upload
- Parent reported immunizations
- Parent consent
- Missing immunizations
- System changes



Pilot Project Results (Jan-June 2014)

5 school districts; 10 schools
3 districts provided data

	Number of Students	Students in the IIS (%)	Missing 1 or more doses in the IIS (%)	Immunization Records Received from Provider or Parent (%)
Central Valley	72 (5 th grade)	72 (100%)	45 (63%)	7 (16%)
Northshore	102 (K)	101 (99%)	47 (46%)	12 (26%)
Odessa	22 (K)	22 (100%)	2 (9%)	1 (50%)

Lessons Learned

- Give school nurses access!
- Take time to get buy-in: DOH, Dept of Ed, school district administrators and IT staff
- Need money and time for change requests
- Change policies and forms

Lessons Learned

- Give access to Local Health Dept staff who are also school nurses
- Difficult to work in 2 systems
- Reach out to providers to enter immunizations or share data with schools
- Provide plenty of training: using the system and entering immunizations



Future Roll Out

- IIS transition, need to determine resources
- Get all local health dept nurses who are school nurses on board
- Roll out district wide to pilot districts
- Add other districts interested in joining if certain criteria are met

Thank You!

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