

Creating Consistency through a Master Training Booklet & Immunization Manual Redwood Community Health Coalition Promising Practice

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PROMISING PRACTICE OVERVIEW

In 2014 Sonoma Valley Community Health Center (SVCHC) created a training booklet (informally called "The Bible") to both train new staff and act as a reference guide for existing staff. While the booklet is described as a "broad overview" of policies, procedures, and workflows, it's now almost 800 pages. The booklet provides staff a solid foundation on required measures and at the same time helps create consistency of work across the organization. Updated annually, it contains a large number of the health center's key workflows, including childhood immunizations (IZ).

ACTIONS TAKEN

- Created resources for staff:
 - "Training Booklet" developed in 2014 and updated yearly. The QI department conducts two 4 hour trainings when a new version of the booklet is released.
 - "Immunization Template Training Manual" used for IZ specific workflows.
 - "Training Plan" for MAs includes review of all workflows and measures as part of onboarding process. Plan includes review of training booklet and manual resources.
- Encourage staff to look at measures in different ways to

Starting in 2016, the health center began experiencing staff turnover, specifically medical assistants (MAs). Not surprisingly this has made it difficult to keep measure rates high and staff on the same page. The training booklet has been vital in this effort.

AIM

To increase childhood immunization rates through consistency in health center procedures and workflows.

MEASURES

UDS Childhood Immunizations

Numerator: Documentation of a full immunization on or before the second birthday; A full immunization is all of the following: 4 DTP/DTaP, 3 IPV, 1 MMR, 3 Hib, 3 Hep B, 1 VZV, 4 Pneumococcal conjugate, 1 Hep A, 2 or 3 RV, and 2 influenza. Denominator: Patients who had their second birthday within reporting period; Had at least one medical visit during reporting period; Had at least one medical visit any time prior to the second birthday; Exclusion: contraindication for the vaccine or a history of illness.

SVCHC Childhood IZ Rates				
2016	2017	2018		
60.9%	67.3%	Expected around 60%		

understand what the measures are, what they mean, and what closing the loop for each entails.

WORKFLOW

• Childhood Immunization section includes: • workflow for back office staff, CQI coordinator and Training Booklet IZ coordinator, and provider • information on what to cover during well child "The Bible" visits and patient education to provide • information on types of flu vaccines for children • Manual informs staff how to do the following: • vaccine set up using NextGen's Ngkbm IZ practice template that SVCHC has customized Immunization • updating the vaccine inventory Template Training • ordering IZ Manual • understanding vaccine alert displays • processing IZ orders • obtaining CAIR consent

CHALLENGES

Vaccine Set-up using Ngkbm Immunizations Practice Template

Order Details	0V06 00T	ODT de serieties:	Orture	
CVX vaccine name.		CPT description:	Status:	Group.
hepatitis A vaccine, pediatric/adolescent dosage, 2	83 90633	Hepatitis A vaccine, pediatric/adolescer	t dosage-2 (Active	Нер А
Vaccine Information				
*Vaccine name:	Strength: Q	uantity: Route:	*Expiration date: *Lot number	er: NDC ID:
Hep A - Ped (2 dose Schedule)		0 mL Intramuscular	02/09/2017 P-K00595	58 00006483141
Brand name:	Manufacturer:		VFC	
VAQTA	Merck & Co., Inc.			
Starting units: Units used: Available uni	its: Tot	al components: SIM code:		
20 8	12 🗌 Inactive	1		
ICD code: Description:		Location:	Practice ID:	
V05.3 NEED PRPHYL VC VRL HEPAT		SVCHC	0001	
				Add Update Clear

NextGen Immunization – Pediatric Template

			Pediatrics	Adult
Alert:		Relevant Allergies: 🖉 L	atex Allergy! 🖉 Egg Allergy! (🛛 Neomycin Allergy! 🛛 🤅
C Detailed Document C Reviewed,	no changes 🛛 🛛	Reviewed, updated 🛛 🕕 last updated	t/detailed doc: 05/22/2015 Pa	nel Control: 🕤 Toggle 🤆
Pediatric Vaccine Orders				
Combo-vaccine information				Child and teen vac
Combination: Seq. #: Comvax ® MMR Kinrix ™ Varicella Pediarix ® PPV 23 Pentacel ® HPV ProQuad ® Td Twinrix ® Tdap TriHiBit ® Other Dtap/DT/DTP IPV (Polio) Hepatitis B Prevnar (PCV 13) Rotavirus Meningococcal Influenza Hib	Date	Today's Vaccine Orders		Status
Pofrach Clear			(IAL	Blace Order

- SVCHC has some parents who refuse to vaccinate, making it harder to improve overall rates.
- Some patients see providers outside the health center, which can make it difficult to get the release of their records.
- The lack of interface between The California Immunization Registry (CAIR) and NextGen continues to be challenging.
- Data quality is impacted when staff select the incorrect vaccine in the system.

LESSONS LEARNED

- Staff must know who's responsible for getting a patient's record up to date. For example when a provider reviews a chart (regardless of if they're the PCP), they become responsible for making sure all required IZ have been done. Similarly MAs are responsible entering IZ into patient records and CAIR.
- When providers take their IZ rates seriously, they ask for details on their patient specific rates. They communicate the importance of missed opportunities with their team.



Document Title: Childhood Immunizations, 0-2 years of age Page 1				
Document Type: Procedure	Document ID Number:			
Department: Clinical Operations				
Author: Marianne Clinton, MD, CMO, revised by Julie M Vlasis, CQI Consultant	Implementer/Owner: Carol Ahern, MD CMO, Teresa Rodriguez, Clinic Manager			
Approval Date: 4/1/2014	Training Date: 4/16/2014, 02/16/2016, 1/21/2017, 1/17/2018.			
Implementation Date: 4/16/2014	Revision Date : 01/01/2016, 09/13/2017,11/5/2018			
Effective Date: 4/16/2014	Next Review Date: 04/01/2020			

STATEMENT OF PURPOSE:

To ensure that children are fully immunized according to current guidelines on or before their second birthday.

DEFINITIONS:

Evidence Based Guidelines: Clinical Practice guidelines based on scientific evidence; or in the absence of scientific evidence, professional standards, or in the absence of professional standards, an expert opinion.

Practice Guidelines: Systematically developed descriptive tools or standardized procedures for care to support clinician and patient decisions about appropriate health care for specific clinical circumstances. Practice guidelines are typically developed though a formal process and are based on authoritative sources that include clinical literature and expert consensus.

Important Condition: A condition including an unhealthy behavior, substance abuse or mental health issue, with evidence –based clinical guidelines that affect a large number of people or consumes a disproportionate amount of health resources.

NextGen Enterprise Practice Management (EPM): NextGen EPM is the application used primarily for billing and is also used to manage appointments. Other functions of EPM include, but are not limited to, storing patient demographics, posting transactions, and processing charges.

NextGen Electronic Health Records (EHR): NextGen EHR is the application used to store and maintain a patient's electronic chart. Clinical information such as lab results, health history, and diagnosis history are located in EHR.

History of Present Illness (HPI): The HPI is a chronological description of the development of the patient's present illness including the following elements: Location, Quality, Severity, Duration, Timing, Context, Modifying factors and Associated signs and symptoms Brief and Extended HPI's are distinguished by the amount of detail needed to characterize the clinical problem or problems accurately: Brief – consists of 1 to 3 elements. Extended - consists of 4 or more element

BACKGROUND:

It is the policy of Sonoma Valley Community Health Center that we adopt a goal of providing all our patient's ages 0-2 years with current immunizations.

As reported by the American Academy of Pediatrics (AAP) and the Centers for Disease Control (CDC), keeping immunizations on track by not delaying well child appointments based on the periodicity schedule between children approaching 2 years of age. If the Child is last in receiving their well child exam early in life, it can have a compounding effect, delaying future well child visits and immunizations.

ASSUMPTIONS:

According to the American Academy of Pediatrics (AAP) and the Centers for Disease Control (CDC) vaccines due before the child's second birthday **are actually scheduled to be completed by the 18th month of life.**

The provider will ensure that the next visits are documented in the CHDP Review Document within the NextGen System.

<u>The Front Desk at Check-out will ensure that all children 0-21 are placed on the appropriate</u> recall if the provider of record has neglected to indicate the correct interval.

<u>The Back Office Staff will use the Pediatric Huddle Sheet for all Pediatric visits not just well child</u> visit to ensure that no immunizations or visits are missed.

Immunization records will be checked at every pediatric appointment against the CAIR Registry to ensure SVCHC has the most updated patient record.

<u>PCMH (Patient Care Medical Home) Related: Yes (X); No ()</u> NextGen EPM/EHR Procedure is needed for this Procedure: Yes (X); No ()

PROCEDURES:

The Medical Back Office Staff are responsible for:

- 1. Print CAIR report to identify missing vaccinations prior to the daily huddle.
- 2. The Medical Back Office Staff are required to update the patient immunization record in NextGen prior to the patient visit.

- **3.** The Medical Back Office staff will obtain and review with the provider the **Pediatric Huddle Sheet**, at every pediatric visit including Well Child visits.
- 4. Discuss with provider missing vaccinations and have provider order them in patient electronic health record in the immunization module.
- 5. Complete CAIR Consent and CAIR Registry Identification Number.
- 6. Obtains consent and reviews child vaccine questionnaire with parent
- 7. Educate parents on the vaccine(s), including any known reactions

8. Prints and hands parent VIS for each vaccine, making sure the documents show in the patient electronic medical record.

9. Uses universal precautions and proper infection control techniques to prepare vaccines under the supervision of a licensed staff person

10. Utilizing; the 5 medication verification points (correct patient, correct vaccine, correct dose, correct route, correct timing of vaccine) administer vaccine(s).

11. Document in NextGen Immunization module all of the required fields that vaccine order is completed. (Documentation in NextGen and CAIR should be consistent.)

- 12. Document in CAIR vaccines given.
- 13. Parent given copy of current immunizations.

The CQI Coordinator and Immunization Coordinator will review monthly.

- 1. Print and review reports identifying patients' age 0-2 years needing vaccinations.
- 2. Contact parents/guardians to schedule an appointment.
- 3. Follow through with requests from the providers.

The Provider will be responsible to:

1. Perform an appropriate history and physical examination.

2. Review immunization template in NextGen to check the patient's record for due and past due immunizations.

3. Check patient's allergies and diagnosis history for any contraindications for vaccinations.

4. Review the consent for immunizations reviewing risks and benefits with parents that the Medical Back Office Staff have completed with the parent.

5. Children who have contraindications for a required immunization will have the immunization ordered. The Medical Back Office Staff will document the contraindication on the vaccine as required.

6. Parents who decline immunization(s) for their child; will be required to complete declination paperwork. The provider will order the vaccine, and the Medical Back Office Staff will document on the vaccine in the patient electronic medical record has been refused by the parent.

Well Child Visits

a. All Providers complete the CHDP Review in the Next Gen System <u>(regardless of insurance type)</u> for all well child visits as a guideline to ensure proper documentation, noting vaccinations given along with physical assessment and all required diagnosis codes.

- b. The provider has provided patient with next scheduled CHDP visit in the electronic medical record with use of the CHDP HPI in NextGen. This allows the patient to be placed on the correct recall.
- c. The Medical Back Office Staff prints the CHDP document from the patient's chart and provides to the parent of the child.
- d. <u>The Front Office Staff ensure that all Children have a Well Child recall upon</u> <u>leaving the health center at any visit.</u>

Patient Education:

- Encourage families to keep immunizations up to date for their children.
- Review the importance of childhood immunizations.
- Refer families to the vaccine information sheet (VIS) for specific information and precautions about each vaccine
- Notifying SVCHC should child experience a non-life threatening reaction to a vaccine

Childhood Immunizations Age Birth through 2 Years of age as required by CMS

CMS Measure CMS117v7 published 6/1/2018. (See tool below.)

Infants and toddlers are particularly vulnerable to infectious diseases because their immune systems have not built up the necessary defenses to fight infection (Centers for Disease Control and Prevention 2017a). Most childhood vaccines are between 90 and 99 percent effective in preventing diseases (HealthyChildren 2015). Vaccination of each U.S. birth cohort with the current childhood immunization schedule prevents approximately 42,000 deaths and 20 million cases of disease, and saves nearly \$14 billion in direct costs and \$69 billion in societal costs each year (Zhou 2014).

Immunizing a child not only protects that child's health but also the health of the community, especially for those who are not immunized or are unable to be immunized due to other health complications (Centers for Disease Control and Prevention 2017b). When the majority of the community is immunized against a disease, other members of the community are also protected because herd immunity shields them. (National Institute of Allergy and Infectious Diseases 2014).

Advisory Committee on Immunization Practices (ACIP) Recommended Immunization Schedule for Children and Adolescents Aged 18 Years or Younger, United States, 2017 (Centers for Disease Control and Prevention 2017c)

Hepatitis B (HepB)

"Minimum age: birth"

"At birth:

-- Administer monovalent HepB vaccine to all newborns

within 24 hours of birth.

-- For infants born to hepatitis B surface antigen (HBsAg)-positive mothers, administer HepB vaccine and 0.5 mL of hepatitis B immune globulin (HBIG) within 12 hours of birth. These infants should be tested for HBsAg and antibody to HBsAg (anti-HBs) at age 9 through 12 months (preferably at the next well-child visit) or 1 to 2 months after completion of the HepB series if the series was delayed.

-- If mother's HBsAg status is unknown, within 12 hours of birth, administer HepB vaccine regardless of birth weight. For infants weighing less than 2,000 grams, administer HBIG in addition to HepB vaccine within 12 hours of birth. Determine mother's HBsAg status as soon as possible and, if mother is HBsAg-positive, also administer HBIG to infants weighing 2,000 grams or more as soon as possible, but no later than age 7 days.

Doses following the birth dose:

-- The second dose should be administered at age 1 or 2 months. Monovalent HepB vaccine should be used for doses administered before age 6 weeks.

-- Infants who did not receive a birth dose should receive 3 doses of a HepB-containing vaccine on a schedule of 0, 1 to 2 months, and 6 months, starting as soon as feasible (see figure 2).

-- Administer the second dose 1 to 2 months after the first dose (minimum interval of 4 weeks); administer the third dose at least 8 weeks after the second dose AND at least 16 weeks after the first dose. The final (third or fourth) dose in the HepB vaccine series should be administered no earlier than age 24 weeks.

-- Administration of a total of 4 doses of HepB vaccine is

permitted when a combination vaccine containing HepB

is administered after the birth dose."

Diptheria, tetanus, acellular pertussis vaccinations (DTap)

"Minimum age: 6 weeks. Exception: DTaPIPV [Kinrix, Quadracel]: 4 years" "Routine vaccination:

-- Administer a 5-dose series of DTaP vaccine at ages 2, 4, 6 15 through 18 months, and 4 through 6 years. The fourth dose may be administered as early as age 12 months, provided at least 6 months have elapsed since the third dose.

-- Inadvertent administration of fourth DTaP dose early: If the fourth dose of DTaP was administered at least 4 months after the third dose of DTaP and the child was 12 months of age or older, it does not need to be repeated."

Hib (Haemophilus influenzae type b) "Minimum age: 6 weeks for PRP-T [ActHIB, DTaP-IPV/Hib (Pentacel), Hiberix, and Hib-MenCY (MenHibrix)], PRPOMP [PedvaxHIB]" "Routine vaccination: -- Administer a 2- or 3-dose Hib vaccine primary series and a booster dose (dose 3 or 4, depending on vaccine used in primary series) at age 12 through 15 months to complete a full Hib vaccine series. -- The primary series with ActHIB, MenHibrix, Hiberix, or Pentacel consists of 3 doses and should be administered at ages 2, 4, and 6 months. The primary series with PedvaxHIB consists of 2 doses and should be administered at ages 2 and 4 months; a dose at age 6 months is not indicated. -- One booster dose (dose 3 or 4, depending on vaccine used in primary series) of any Hib vaccine should be administered at age 12 through 15 months." Polio (IPV) "Minimum age: 6 weeks" "Routine vaccination: -- Administer a 4-dose series of IPV at ages 2, 4, 6 through 18 months, and 4 through 6 years. The final dose in the series should be administered on or after the fourth birthday and at least 6 months after the previous dose." Measles, mumps, rubella (MMR) "Minimum age: 12 months for routine vaccination" "Routine vaccination: -- Administer a 2-dose series of MMR vaccine at ages 12 through 15 months and 4 through 6 years. The second dose may be administered before age 4 years, provided at least 4 weeks have elapsed since the first dose. -- Administer 1 dose of MMR vaccine to infants aged 6 through 11 months before departure from the United States for international travel. These children should be revaccinated with 2 doses of MMR vaccine, the first at age 12 through 15 months (12 months if the child remains in an area where disease risk is high), and the second dose at least 4 weeks later. -- Administer 2 doses of MMR vaccine to children aged 12 months and older before departure from the United States for international travel. The first dose should be administered on or after age 12 months and the second dose at least 4 weeks later." Pneumococcal conjugate (PCV13) "Minimum age: 6 weeks for PCV13" "Routine vaccination with PCV13: -- Administer a 4-dose series of PCV13 at ages 2, 4, and 6 months and at age 12 through 15 months." Varicella (Var) "Minimum age: 12 months" "Routine vaccination: -- Administer a 2-dose series of VAR vaccine at ages 12 through 15 months and 4 through 6 years. The second

dose may be administered before age 4 years, provided at least 3 months have elapsed since the first dose. If the second dose was administered at least 4 weeks after the first dose, it can be accepted as valid"

Hepatitis A (HepA) "Minimum age: 12 months" "Routine vaccination: -- Initiate the 2-dose HepA vaccine series at ages 12 through 23 months; separate the 2 doses by 6 to 18 months. -- Children who have received 1 dose of HepA vaccine before age 24 months should receive a second dose 6 to 18 months after the first dose. -- For any person aged 2 years and older who has not already received the HepA vaccine series, 2 doses of HepA vaccine separated by 6 to 18 months may be administered if immunity against hepatitis A virus infection is desired." Rotavirus (RV) "Minimum age: 6 weeks for both RV1 [Rotarix] and RV5 [RotaTeg]" "Routine vaccination: -- Administer a series of RV vaccine to all infants as follows: 1. If Rotarix is used, administer a 2-dose series at ages 2 and 4 months. 2. If RotaTeg is used, administer a 3-dose series at ages 2, 4, and 6 months. If any dose in the series was RotaTeg or vaccine product is unknown for any dose in the series, a total of 3 doses of RV vaccine should be administered." Influenza (inactivated influenza vaccine (IIV) "Minimum age: 6 months for inactivated influenza vaccine [IIV]" "Routine vaccination: -- Administer influenza vaccine annually to all children beginning at age 6 months. For the 2016-17 season, use of live attenuated influenza vaccine (LAIV) is not recommended."

CDC 24/7: Saving Lives, Protecting People™

Influenza (Flu)

The best way to prevent flu is with a <u>flu vaccine</u>. CDC recommends that everyone 6 months of age and older get a seasonal flu vaccine each year by the end of October. However, as long as flu viruses are circulating, vaccination should continue throughout the flu season, even in January or later. Keep in mind that vaccination is especially important for certain people who are at high risk or who are in close contact with high risk persons. This includes children at high risk for developing complications from flu illness and adults who are close contacts of those children.

Flu vaccines are updated each season if necessary to protect against the influenza viruses that research indicates will be most common during the upcoming season. (See <u>Vaccine Virus</u> <u>Selection</u> for this season's exact vaccine composition.) The 2018-2019 vaccine has been updated from last season's vaccine to better match circulating viruses. Immunity from vaccination sets in after about two weeks.

Types of flu vaccines for children

Children 6 months and older should get annual influenza (flu) vaccine. For the 2018-2019 flu season, CDC recommends annual influenza vaccination for everyone 6 months and older with any licensed, age-appropriate flu vaccine (IIV for children aged 6 months and older or LAIV4 for children 2 years of age and older) with no preference expressed for any one vaccine over another.

- Flu shots (IIV), vaccines are given as an injection and made with inactivated (killed) flu virus are approved for use in people 6 months and older.
- The nasal spray vaccine (LAIV4) is approved for use in people 2 through 49 years of age. However, there is a precaution against the use of the nasal spray flu vaccine (LAIV) in people with certain underlying medical conditions. More information about the nasal spray flu vaccine can be found <u>here</u>.

Your child's health care provider will know which vaccines are right for your child.

For more information on the different types of flu vaccines available visit CDC's <u>Different</u> <u>Types of Flu Vaccines page</u>.

Special vaccination instructions for children aged 6 months through 8 years of age

- Some children 6 months through 8 years of age require two doses of influenza vaccine. Children 6 months through 8 years getting vaccinated for the first time, and those who have only previously gotten one dose of vaccine should get two doses of vaccine this season. All children who have previously gotten two doses of vaccine (at any time) only need one dose of vaccine this season. The first dose should be given as soon as the vaccine becomes available.
- The second dose should be given at least <u>28 days after the first dose</u>. The first dose "primes" the immune system; the second dose provides immune protection. Children who only get one dose but need two doses can have reduced or no protection from a single dose of flu vaccine.
- If your child needs the two doses, begin the process early. This will ensure that your child is protected before influenza starts circulating in your community.
- Be sure to get your child a second dose if he or she needs one. It usually takes about two weeks after the second dose for protection to begin.

Children should be vaccinated every flu season

Children should be vaccinated every flu season for the best protection against flu. For children who will need two doses of flu vaccine, the first dose should be given as early in the season as possible. For other children, it is good practice to get them vaccinated by the end of October. However, getting vaccinated later can still be protective, as long as flu viruses are circulating. While seasonal influenza outbreaks can happen as early as October, in most seasons influenza activity peaks between December and February. Since it takes about two weeks after vaccination for antibodies to develop in the body that protects against influenza virus infection, it is best that

people get vaccinated, so they are protected before influenza begins spreading in their community.

POLICY THIS PROCEDURE SUPPORTS:

1. SVCHC Evidence Based Guidelines

References:

- 1. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, <u>http://www.cdc.gov/vaccines</u>.
- 2. CDC Immunization Guidelines: <u>https://www.cdc.gov/vaccines/parents/parent-</u> <u>questions.html</u>
- 3. CDC Influenza Guidelines for Infants and Children: https://www.cdc.gov/flu/protect/children.html

Immunization Template Training Manual

Version 2.0 (revised November 21, 2017)

Sonoma Valley Community Health Center

1

Contents	Page(s)
Vaccine Set-up Using Ngkbm Immunizations	3-8
Updating Items in the Vaccine Inventory	8-9
Ordering Immunizations	9-12
Vaccine Alert Displays	13-14
Processing Immunization Orders (Vaccine Orders Module)	15-16

Vaccine Set-up using Ngkbm Immunizations

As with previous NextGen KBM versions, vaccine set-up is done through Ngkbm Immunizations Practice template. This template allows practices to input specify items within their vaccine inventory to include: Lot Numbers, number of units on hand, administration route (IM, SQ, oral, etc.), dose, and expiration date. This information is then utilized within the Immunizations template/module to auto-populate fields when a lot number is selected, which significantly streamlines workflow time.

Ngkbm Immunizations template can be accessed through the file menu in NextGen EMR by utilizing the following workflow:

- Select File from the menu bar
- Select System/Practice Template
- Select the Practice Tab
- Select Ngkbm Immunizations from the menu items

Note: Certain rights need to be granted to the NextGen EMR in order to access or modify items within this template.

To add a new vaccine using Ngkbm Immunizations, the following workflow MUST be followed:

Order Details:

 Select Vaccine Name by selecting the "CVX vaccine name:" field within the Ngkbm Immunizations template. This will display a picklist, from which you will need to select the vaccine that you are adding to the inventory. Keep in mind that there can be multiple items within this picklist that are the same vaccine, but differ in dose and/or components, CVXcode, and CPT (billing) code.

4	Ngkbm Immunizations 🗙	
> Con	Immunization Inventory	
figuration	Select this field	Ngkbm Dbp Imm Vacc
Navigation	Order Details CVX vaccine name: CVX vaccine name: Vaccine Information "Vaccine name: Brand name: Manufacturer: Starting units: Units used: Available units: Imactive ICD code: Description:	Human Papilomavirus 3-valent vaccine(Gardasil 9 (FF) 0.5 mL in) influenza, injectable, quadrivalent, contains preservative (Flueval Quad 2014-2015) influenza, injectable, quadrivalent, contains preservative (Flueval Quad 2014-2015) influenza, injectable, quadrivalent, contains preservative (Flueval Quad 2014-2015) Influenza, injectable, quadrivalent, preservative free (Fluaris, Flueval en Fluzone Quad 2014-2015) Influenza, injectable, quadrivalent, preservative free, pediatic Fluzone Pedi Quad 2013-2014 (F Influenza, injectable, quadrivalent, preservative free, pediatic Fluzone Pedi Quad 2013-2014 (F Influenza, injectable, quadrivalent, preservative free, pediatic Fluzone Pedi Quad 2013-2014 (F Influenza, injectable, quadrivalent, Injestravite free, pediatic Fluzone Pedi Quad 2013-2014 (F Influenza, injectable, quadrivalent, Injestravite free (Fluzone Fedi Quad 2015) influenza, injectable, quadrivalent, fluenza vaccine, preservative free (Fluzone Pedi preservative free (Fluese) (Flueris, Patienza) influenza, injectable, (Alfunia 2014-2015) Influenza, sessonal, injectable (Flueris, 2014-2015) Influenza, sessonal, injectable (Alfunia, 2014-2015) In
	Loc number maintenance Display. O All to Active O Inde	

Note: When a pick-list item is selected, the fields for CVX, CPT, CPT description, and Status auto-populate with information that has previously been set-up within the database.

Order Details				
CVX vaccine name:	CVX:	CPT:	CPT description:	Status:
Influenza, injectable,quadrivalent, preservative free	161	90685	Influenza virus vaccine, quadrivalent, split virus, pre	Active

2. The next step in adding an item to the vaccine inventory is selecting a vaccine group. This is utilized as a unique identifier within the Immunizations – Pediatric and Immunizations – Adult templates, and therefore **MUST** be selected in order for the templates to work properly. To add a vaccine group, select the "Group" field within the Ngbm Immunizations template and select an item from the pick-list display that corresponds with the vaccine being added.

(Save & Close
utilizing this template at this practice? lot numbers Non-VFC VFC	Vaccine Group X Comvax DTaP/DT Eh.
PT description: Status: Group: nfluenza virus vaccine, quadrivalent, split virus, pre Active	Hep A Hep A (Adult) Hep B Hep B (Adult) Hib
ty: Route: *Expiration date: *Lot number: NDC ID: mL /// //// ////////////////////////////////////	HPV IPV Kinrix Meningococcal

Vaccine Information:

The Vaccine Information section of the Ngkbm Immunizations template is where you populate information that will auto-populate fields within the Immunizations template and vaccine module when an order is processed (lot number, route, dose, expiration date, etc.). The general "rule of thumb" here is that the more information that is populated here, then less will need to be documented when a vaccine order is processed after administration.

1. Add a vaccine Name. This is entry specifies how the vaccine will display within the Immunizations – Pediatric and Immunizations – Adult template

Vaccine Information Vaccine name:	strength:	Type in the vaccine name as you would want it to display.	number: NDC ID:
Brand name: Starting units: Units used: Ava	Manufacturer: ailable units:	Total components: SIM code:	
ICD code: Description:		Location: Practice ID:	

2. Add the strength of the vaccine. Keep in mind that the strength of each vaccine can vary from vaccine to vaccine and from manufacturer to manufacturer. The strength of a vaccine can be found on the vaccine packaging, or the vaccine itself.

Vaccine Information	Strength Duantity	Type in a vacci	ine strength	mber: NDC ID:	
	mL				
Brand name:	Manufacturer:		I_ VFC		
Starting units: Units used: Available	units: Total components	s: SIM code:			
ICD code: Description:		Location:	Practice ID: 0001		

3. Add a quantity for the vaccine by selecting the Quantity field and selecting the value from the number pad display. This is the dose of the vaccine that is to be administered (0.5 ml, 2ml, etc.).

Order Details	CVVV CDT	CDT desorie	tion:	Quantity			X
Influenza injectable quadrivalent preservative fr		Influenza v	rirus vaccine u	Quantity			
Vaccine Information						_	
*Vaccine name:	Strength:	Quantity: R	oute:	7	8	9	
Hepatitis B		mL					+
Brand name:	Manufacturer:			4	5	6	
Starting units: Units used: Available u	inits:	Total components:	: SIM code:	1	2	3	
	🗌 🗌 Inactive						-
ICD code: Description:			Location:	0		· ·	
					Cl	ear	
					- 1		
Lot Number Maintenance Display: C All	Active C Inacl	ive		OK		Ca	incel

4. Add a vaccine administration route by selecting the Route field and then selecting a pick-list item that corresponds to the vaccine delivery method for the vaccine being added. For example: Intramuscular for Hepatitis B, Subcutaneous for MMR, and Oral for Rotavirus.

Order Details CVX vaccine name: CVX: CPT: CPT description: Influenza, injectable guadrivalent, preservative free 161 90685 Influenza virus vaccine, guadrivalent,	Ngkbm Get Dbpicklist Items List Item
Vaccine Information Vaccine name: Vaccine na	Intradermal Intramuscular Intransal Intravenous Oral Offhe/miscellaneous Subroutanenus
Starting units: Units used: Available units: Total components: SIM code:	Transdemal

5. Add an expiration date, lot number, and NDC ID number for the vaccine being added to the inventory. This information is found on the vaccine packaging and/or the vaccine itself, and can be unique to each new vaccine being added.

	Vaccine Information		
L	*Vaccine name:	Strength: Quantity: Route:	*Expiration date: *Lot number: NDC ID:
	Hepatitis B	mL	
	Brand name:	Manufacturer:	VFC
	Starting units: Units used: Available u	nits: Total components: SIM code:	

6. If the new vaccine being added is part of the Vaccines for Children or state funded program (VFC), then select the "VFC" check-box indicating such.

Vaccine Information		
*Vaccine name:	Strength: Quantity: Route:	*Expiration date: *Lot number: NDC ID:
Hepatitis B	mL	
Brand name:	Manufacturer:	VFC
]
Starting units: Units used: Available un	its: Total components: SIM code:	

7. Type in a vaccine Brand name that corresponds to the vaccine being added to the inventory by selecting the Brand Name field. The vaccine brand name is unique to each vaccine, and could and can therefore vary from one vaccine to another. For example: Rotavirus can have a brand-name of Rota-Teq or Rotarix.

Vaccine Information			
*Vaccine name:	Strength: Quantity: Route:	*Expiration date: *Lot number:	NDC ID:
Hepatitis B	mL		
Brand name:	Manufacturer:	VFC	
1			
Starting units: Units used: Available	e units: Total components: SIM coo	le:	

8. Add a vaccine manufacturer by selecting the Manufacturer field within the Ngkbm Immunizations template and selecting an item from the predefined pick-list display.

Vaccine Information *Vaccine name: Hepatitis B	Quantity: Route:	Ngkbm Dbp Imm Mfr List
Brand name: Manufactur Starting units: Units used: Available units:	er: Total components: Silif code.	Manuacutan kame – – – – – – – – – – – – – – – – – – –
ICD code: Description:	Location:	Avien Bart Laboratories Baster Healthcare Corporation Berna Products Corporation Berna Products Corporation Biopen Corporation

9. Select an ICD Code for the vaccine being added by selecting the "Description" field within the Ngkbm Immunizations template, and then searching for the code from the diagnosis search.

Starting units: Units used: Availa	ble units: Total components	:: SIM code:		
ICD code: Description:	,	Location:	Practice ID:	
V05.3 NEED PRPHYL VC VR H	EPAT	I SVCHC	0001	Add Update Clear
Q Enter sear	ch term			Search X
All Diagno Patent's Ch Patent's Ch Favorites Patent's Ch Favorites	See Anno and Anno anno anno anno anno anno anno anno	IICD Code Billing D	escription	
Ø			Sele	.ct Cancel

10. Add a location for the vaccine that is being added for the inventory by selecting the "Location" field and the selecting an item from the Location Master File. Due to the fact that Sonoma Valley Community Health Center has only 1 location at this time, "SVCHC" MUST be selected for each vaccine being added.

tis A vaccine, M	pediatric/adole	escent dosage-2 (Q~#÷	ua II Han A I		
Route: nL Intramuscu ents: SIM code 1 Location: SVCHC	ular	*Expiration d 02/09/201 VFC Practice ID: 0001	- L.	Location Mate Golden Living Partnership HP 01 CA Main 513 Partnership HP 01 CA Mv 513 Sonoma Healthcare Center Sonoma Valley Hospital Outpatient SVCHC SVCHC Cannex SVCHC Cannex SVCHC Cana SVCHC Main DB SVCHC Main DB SVCHC Molie Van SVCHC West Bidg	MUST be selected for all vaccines	
n Name	Exp Date	Manufacturer				
	11	MERCK SHARP & D				
	06/19/2016	MERCK SHARP & D				
	02/14/2016	MERCK SHARP & D		1		
(2 dose	02/09/2017	Merck & Co., Inc.		Refresh	0K.	Cancel
acel	07/10/2016	SANOFI-PASTEUR				

11. Select the Add Button to add the vaccine to the inventory.



Updating Items in the Vaccine Inventory

To update items that currently exist within the vaccine inventory, select the vaccine from the "Lot Number Maintenance" grid display. Vaccine information that currently exists will then display in the fields at the top of the Ngkbm Immunizations template, allowing modifications or changes to these

fields. Once the modifications have been completed, you will then need to select the Update Button to effectively save the changes made.

1. Select vaccine from the grid display

Lot Number	Maintenance	Display: O	All 🖲 Ad	tive C Inac	tive	Filter B	y Location		
Practice ID	Vac Grp	Lot Number	Status	CPT	Immunization Name	Exp Date	Manufacturer	Brand Name	Location Name
0001	Comvax		A	90748	Comvax	//	MERCK SHARP & D	Comvax (PF)	SVCHC
0001	MMR	P-K008815	A	90707	MMR	06/19/2016	MERCK SHARP & D	M-M-R II (PF)	SVCHC
0001	ProQuad	P-K011315	A	90710	MMRV	02/14/2016	MERCK SHARP & D	ProQuad (PF)	SVCHC
0001	Hep A	P-K005958	A	90633	Hep A - Ped (2 dose Schedule)	02/09/2017	Merck & Co., Inc.	VAQTA	SVCHC
0001	DTaP/DT	P-C4535AA	A	90700	DTaP - Daptacel	07/10/2016	SANOFI-PASTEUR	Daptacel (DTaP Pediatric) (PF)	SVCHC
0001	Meningococ:	P-U4795AA	A	90734	Meningococcal-Menactra	09/09/2015	SANOFI-PASTEUR	Menactra (PF)	SVCHC
0001	Meningococ:	P-U4798AA	A	90734	Meningococcal-Menactra	09/11/2015	SANOFI-PASTEUR	Menactra (PF)	SVCHC
0001	Td	V-C4403AA	A	90714	Td - Tenivac	09/12/2015	SANOFI-PASTEUR	Tenivac (PF)	SVCHC
0001	MMR	P-K001231	A	90707	MMR	01/27/2016	MERCK SHARP & D	M-M-R II (PF)	SVCHC
0001	Varicella	P-K002926	A	90716	Varicella/Varivax	02/26/2016	MERCK SHARP & D	Varivax (PF)	SVCHC
0001	IPV	V-J1731	A	90713	IPV	11/26/2015	SANOFI-PASTEUR	IPOL	SVCHC
0001	Rotavirus	P-K007243	A	90680	Rotavirus	12/13/2015	MERCK SHARP & D	RotaTeq Vaccine	SVCHC
0001	DTaP/DT	V-C4645AA	A	90700	DTaP - Daptacel	11/05/2016	SANOFI-PASTEUR	Daptacel (DTaP Pediatric) (PF)	SVCHC

2. Make changes in the fields at the top of the template.

Order Details				
CVX vaccine name:	CVX: CPT: CPT description	ation:	Status:	Group:
hepatitis A vaccine, pediatric/adolescent dosage, 2	83 90633 Hepatitis A	vaccine, pediatric/adolescent	dosage-2 (Active	Hep A
Vaccine Information				
*Vaccine name:	Strength: Quantity: F	loute:	*Expiration date: *Lot number	er: NDC ID:
Hep A - Ped (2 dose Schedule)	0 mL	Intramuscular	02/09/2017 P-K00595	58 00006483141
Brand name:	Manufacturer:		VFC	
VAQTA	Merck & Co., Inc.			
Starting units: Units used: Available un	its: Total components	: SIM code:		
20 8	12 Inactive			
ICD code: Description:		Location:	Practice ID:	
V05.3 NEED PRPHYL VC VRL HEPAT		SVCHC	0001	
				Add Update Clear

3. Select the Update Button to save changes made.

ICD code:	Description:	Location:	Practice ID:
V05.3	NEED PRPHYL VC VRL HEPAT	SVCHC	0001

Ordering Immunizations:

Vaccines are ordered within the NextGen EMR from the Immunizations – Pediatric and or the Immunizations – Adult template(s). These templates can be accessed from the sub-navigation bar within the *Intake and/or *SOAP template for most specialties and visit types.

Example: Accessing the Immunizations - Pediatric or the Immunizations – Adult template using Family Practice as the Specialty, and Office Visit as the Visit Type:

	Specialty v Family Pra	octice Visit Type	 Office Visit 	Sub-navigation to access tem	n text link plate	⊘ тов	⊘htn	ØdM	?) CAD
ń	Intake	Histories	SOAP	Finalize	Checkout				
(Standing Orders	Adult Immunizations Pe	ds Immunizations 0	Counseling Details P	rocedures Or	der Managemen	t Docu	iment Librai	у)
C	are Guidelines G	ilobal Davs				Panel Cont	rol: 🕤 Too	gle 🍙 🦸	Cycle 🔳

Once the sub navigation item is selected, the corresponding immunization template will display. As with most KBM 8.3 templates, content within the Immunizations – Pediatric and Immunization – Adult templates are within "collapsible panels." The first panel on the template(s) contain the vaccine orders (vaccine order options)

The screenshot example below of the "collapsible panel" that contains the vaccine order options on the Immunization – Pediatric template



Review Allergy Pop-up display

When an initial vaccine is selected (check-box-click) on either the Immunizations – Pediatric or the Immunizations – Adult template, a Review allergy check pop-up will display that asks if the patient is allergic to Neomycin, Egg, Latex, or Gelatin. These substances may present in certain vaccines, and therefore **all questions must be answered**. Again, this only displays when the initial vaccine is selected

目 Review Allergies					x
Neomycin	Egg		Latex		Gelatin
O Yes	O Yes		🔿 Yes		O Yes
O No	O No		O No		O No
Existing Allergies:			r	1	
Description		Onset	Resolved	Reaction	Comment
ACYCLOVIR		00/00/0000	00/00/0000	Cough	
IODINE		00/00/0000	00/00/0000	Anaphylaxis	
SULFA (SULFONAN	MIDE	00/00/0000	00/00/0000	Rash	
ANTIDIOTICS					
					F
				_	
				C	Update Save & Close

If modifications are warranted to the Review Allergy pop-up display after it has been closed, then it can

be accessed simply by selecting the * at the right hand corner of the template. If an allergy has already been flagged (selected as "Yes" on the Review Allergies), then the Allergy Module can be accessed by selecting the ④ next to the allergy flagged.

Once the Allergy Review has been completed, a 🔽 will display next to "Relevant Allergies" at the top of the template, indicating that the review of pertinent allergies has been completed

		$\overline{\ }$		Pediatrics	Adult
Alert:		Relevar	t Allergies: 1 🕕 Latex Allergy!	🖉 Egg Allergy	! 🖉 Neomycin Allergy!
C Detailed Document	C Reviewed, no changes	C Reviewed, updated	Last updated/detailed doc.	11	Panel Control: 🕤 Toggle
Adult Vaccine Orde	215				
Combo-vaccine info	ormation				 Adult va

Vaccines with pick-list items:

When a vaccine option is selected (check-box –click), and more than one type of the vaccine currently exists in the inventory, then a pick-list will display. An example of this would be if both Rota Teq and Rotarix existed in the inventory, then a pick-list would display allowing the provider to select between the two vaccines. Another example would be Influenza where, in most cases, more than one type of this vaccine would be on hand.

Screenshot example below is of the HPV vaccine where more than 1 type of the vaccine exists in the inventory.

C١	c Ngkbm Dbpickl	ist ¥cd		×	1
	Vaccine Name HPV Gardasil 9 (.5 Vial)	Cpt 90649 90651	Сvя 62 165		
	Refresh			OK Cancel	

Selecting a Vaccine Sequence

Once the allergy review and if applicable, the pick-list item has been selected, then the sequence pick-list pop-up will display for vaccines where more than one is clinically indicated. When this pop-up displays, simply select which sequence the vaccine is. For example, if ordering Hepatitis B for a patient, and the patient has previously received 2 doses of this vaccine, then the appropriate vaccine sequence to select would be "3"

Adult Vaccine Orders	
 Combo-vaccine information 	on the second
ProQuad ®	Imm sequence X Vs Vaccine Orders
Twinrix ®	
Single Dose: Seq. #:	
Meningococcal	4
Influenza	5 booster
MMR	
PPV 23	
PCV 13 🕕	Close
E HPV	
🗖 Td	

If an amendment needs to be made to the vaccine sequence after it has already been selected, then the text display of the sequence can be selected to re-display the immunization sequence pop-up display.

Adult Vaccine Orders	
Combo-vaccine information	Imm sequence
Combination: ProQuad ® Twinrix ® Single Dose: Seq. #: Hepatitis B 3 Hepatitis A Meningococcal Influenza MMR Varicella PPV 23 PCV 12	Date 1 2 3 4 5 booster Close

Ordering Selected Vaccines:

Once all vaccines that are to be ordered have been selected, then the ordered can be placed by

selecting the Place Order button located at the bottom of the Vaccine Orders Panel



Immunization Alert Displays

Throughout the immunization selection and/or ordering process, many different alerts may display. The purpose of these alerts is to prompt the user to take notice to certain patient conditions, or to consider taking a different course of action.

Duplicate Vaccine Components Alert

If vaccines with duplicate components are contained within a selected vaccine (check-box-click) on either the Immunizations – Pediatric or the Immunizations – Adult template, then an alert will display indicating such. The purpose of this alert is to prevent the ordering of vaccines with duplicate components. For example: if Pentacel (DTaP,IPV, HIB) is selected, and a user then selects DTaP, this will prompt the alert display because DTaP is a component in both vaccines.



Depleted Inventory/Set-up Required Alert

If a selected vaccine has an inventory that has been depleted (no vaccine in stock) or the vaccine has not been set up in Ngkbm Immunizations, then an alert will display to prompt the user to contact the site Immunization Coordinator or NextGen System Administrator.



Allergy Confirmation Alert

If a patient is allergic to a substance that may or may not be contained within a vaccine, a confirmation alert will display. This type of an alert is considered a "soft stop" as opposed the "hard stops" mentioned above. The difference between "soft stop" vs. "hard stop" alerts is "soft stop" will still allow you to proceed by selecting "Yes" when prompted. Selecting "No" will effectively cancel the ordering process.

The example below is the confirmation alert display that presents when a user attempts to order MMR vaccine with an existing Egg allergy.



Pregnancy Confirmation Alert

Another confirmation alert (soft stop) that may display is a pregnancy confirmation alert. This will display when a selected vaccine that may be contraindicated in pregnancy is selected, and the

Place Order Button is selected.

The example below is when MMR is attempting to be ordered by a user for a pregnant patient.



CAIR Consent

SVCHC uplinks all information into CAIR unless the patient (or the patient's parent or legal guardian) opts out. CAIR consent must be updated one time per year.

CAIR Consent Alert on the Immunizations – Pediatric template

In order to notify staff members that a patient has or has not given CAIR consent, an alert has been added to the top of the Immunizations – Pediatric template. This alert in RED TEXT will display if documentation regarding a patient's consent for the CAIR Registry has not been documented in the NextGen EHR. (see screenshot below)



CAIR Consent Alert on the Immunizations – Adult template

Like the Immunizations – Pediatric template,, an alert has also been added to the top of the Immunizations – Adult template. This alert in RED TEXT will display if documentation regarding a patient's consent for the CAIR Registry has not been documented in the NextGen EHR. (see screenshot below)

_						
Jaso	n Test (M) DOB:05	/26/2013 (3 years)	Weight: 78.00 lb (35.38 Kg)	Allergies	Problems 💡 Diagn	oses ⁹⁹ (Medications) •
\geq	Address: 445 West Napa S	it Ins	surance: Partnership CHDP		PCP:	
C	Sonoma, CA 954	76 Nic	ckname:		Referring:	
	Contact: (707) 721-4051 (Ch Pref. Lai	nguage: English		Rendering: M	oore. Melinda ENP
ô	Alaste Bistoria					
0	Alerts Birdi History		Padencinio • Sucky Note • n	ing Provider • Three	- + Auvante Direcuve	s
4 /	11/01/2016 12:10 AM : "*Intake"	11/01/2016 12:10 AM : "Im	nmunizations - Adult" 🗙			
>>				Pediatrics	Adult	
Nav	Â		Relevant Allergies: 🖉 Latex Allergy!	🖉 Egg Allergy! 🖉	Neomycin Allergy!	🖉 Gelatin Allergy! 🔹
rigat	Alert:		1 -	CAIR consent not	obtained!	-
i9						C C Corda
	O Detailed Document O Reviewer	d, no changes 🛛 🕬 Revie	ewed, updated 🕔 Last updated/detailed doc.	09/01/2016 Part	el control: () loggie	C + Cycle
	Adult Vaccine Orders					۲
	Combo-vaccine information +	CAIR consent			 Adult va 	accine questionnaire
	Combination:	Date To	oday's Vaccine Orders		Status	Seg Num
	🗖 ProQuad 🖲					
	L Twinrix ®					
	Single Dose: Seq. #:					
	Henatitis A					
	Meningococcal					
	🗖 Influenza					
	MMR					
	U Varicella					
	L HPV					
	Td Td					
	T Tdan					

Completing the CAIR Consent pop-up template

In order to document a patient's level of consent as it pertains to the CAIR Registry, a pop-up has been created. This pop-up can be accessed two different ways on the Immunizations – Pediatric and the Immunizations – Adult templates in NextGen:

- 1. Select the alert text display (red text or exclamation icon)
- 2. Select the CAIR consent active text link | CAIR consent CAIR consent not obtained!

On the CAIR Consent pop-up template, there will be three radio button options to select from. Once of these options is required in order to indicate that CAIR Consent has been completed. These options are:

- Yes, the patient gave consent
- No, the patient declined consent
- Unknown, the patient did not answer

Screenshot of the CAIR Consent pop-up template

Commented [JV1]: Cheryl, Consent must be done prior to immunization being ordered or given. This really needs to be stressed to Back Office. It is the way the interface requires it; this is a hard code that NextGen placed.

	Immunization Consent	j
	Immunization Consent	ŀ
L	C Yes - The Patient Gave Consent	ŀ
	O No - The Patient Declined Consent	
	C Unknown - The Patient Did Not Answer	Ľ
	Date (if not today):	
	Generate Document Save & Close	

Once an option has been selected, the "Date" will default with the date of service date (encounter date). If the date of consent is not the encounter date, it can be changed by selecting the field, and then selecting a date from the calendar display



Once an option has been selected on the CAIR Consent pop-up template, and a date of consent identified, the RED TEXT alert on the Immunizations – Pediatric and Immunizations – Adult template will hide from view. However, the CAIR Consent pop-up can still be accessed by selecting the CAIR consent active text link



Generating a CAIR Consent document

Once a level of consent and consent date has been identified on the CAIR Consent pop-up template, a CAIR

Consent document can be generated. This is completed by selecting the Generate Document button on the CAIR Consent pop-up template.

	Immunization Consent	X	ľ
Immunizat	tion Consent		-
C Yes - Th	e Patient Gave Consent		
O No - The	Patient Declined Consent		
C Unknown	n - The Patient Did Not Answer		
Date (if n	ot today): //		
Gene	rate Document) Save & Close)	Screenshot of the
Arial	▼ 12 ▼ B I U ≡ Ξ	≝ ≡ §= : Ξ	100% ▼ L ¶ <u>A</u> - ‡≣ - S X _z
⊧ _L . P	· L · · · I ² · L · · · · · [³ · · · · · L	. 1 ⁴ <u>L</u> 1 ⁶	⁵
	SONOMA COMMI HEALTH	UNITY CENTER	
PATIENT:	Jason Test		
DATE OF BIRTH: DATE:	05/26/2013 11/01/2016 12:10 AM		
To whom it may conce On 11/01/2016, the pa California Immunizatio	rn, tient/parent gives his/her consent to hav n Registry (CAIR).	e information regard	ing immunizations shared with the
Document generated	by: Greg Williams 11/01/2016		
Sonoma Valley Comm 19270 Sonoma Hwy, S	unity Health Center onoma, CA 95476		

CAIR Consent document

If a level of consent has not been specified, or if a date of consent has not been specified, an alert message will display if the Generate Document button is selected.



The CAIR Consent document will automatically save to the patient's encounter. This will display in the History Toolbar under the date of service in which it was generated.

▶	Patient History	φ×
a D	Patient History 😫 Patient Demographics 🛱 Categories	
	📬 New 📔 Lock 🍸 Filter 👻	
	📃 🖃 💼 11/01/2016 12:10 AM Melinda Moore FNP	^
	📕 👘 🔢 *Intake	=
	Immunizations - Pediatric	
	Immunizations - Adult	
	CAIR Consent	
	🚊 🛋 09/01/2016 03:54 PM Melinda Moore FNP	
	📕 👘 🔢 👘 👘	
	Immunizations - Pediatric	
	📃 🔲 Peds Wellness - PM 160 Review	

Once you have obtained consent place complete your immunization order as normal. Make sure you have the Registry set to CAIR and click on the Save & Send button to send it to CAIR.

🗋 Update Imm	unization O	rder for Test, Bra	ndon								_ 🗆 ×
Lab	Rad	Imm									
Registry: CAIR			VFC Reason		 Funding S 	ource:			• 🗌 Ve	rbal Order 🗸 Aller	gies 💽 + 💡
Vaccine Name			Status	Lot#	Admin By	Vaccine	Date VF	CReason	Is VFC	Funding Source	:e
ProQuad (MM	HV) (90710)	\sim	Pending								
			\sim								
ProQuad (MM	RV) (90710)							_Warte		
Lot#:			Show all	Strength:	Billin	g units:	1		Date:		•
Sequence:	1		Booster /	Amount: 0		g Code:		- 2	Reason:		•
Expiration d	ate:	10/31/2016	I	Jnits:	📩 Admi	n CPT4:		- 🖉			Saura Julianata
Manufacture	er:		- I	Route:	<u> </u>	ounseled		0	- Consent -	_	o ave waste
Brand name	e 🗌		:	Bite:					From:		•
Vaccine date	. 🗆	10/31/2016	· ÷	NDCID:					Immunity -		
0		Enternal In Course (R Burking C Annalis		Internation Distance	Nutition	a factor of		J		<u> </u>
Not administ	tarad 🗌	Entered in Error 9	ending Complet	ed • Partially Ad	ministered · Refused ·	Not Admi	Inistered				
reason:											- -
Comment/ r	notes:										-
											-
VIS history:	Vac	cine Name	VIS Des	cription	VIS Publish Date	Languag	e Given D	ate	Given By		
									```	$\backslash$	
	a 1									$\backslash$	
Open VI	8									$\backslash$	
Print/Give	VIS									_\	
General Sele	ct Vaccines	Vaccine Details								<b>—</b>	
							Save & Task	<ul> <li>Sav</li> </ul>	e & Print	Save & Send	Save

#### **Vaccine Orders Module**

Once vaccines are ordered, they are processed in the vaccine orders module, which is located within the second collapsible panel on both the Immunizations – Pediatric and Immunizations – Adult templates.

#### **Processing Vaccine Orders**

Once vaccines orders have been placed, the MA or Nurse needs to process these orders in the Vaccine Orders Module. This includes printing Vaccine Information Sheets (VIS), selecting a lot number from the inventory, and documenting the site of administration. To access a vaccine order for processing, locate the vaccine within the Vaccines Orders Module (should be in a **Pending** status) and double-click the item.

Vaccine Order Mo	odule			۲
🗅 New Order 🔹   🚯 F	efresh 👌 Sign-off	🗃 Print 🔹 🏟 Fax	🕸 Historical 🕺 Exclusions 🍋 Web Links	•
Show Ages Given	show Chronological			Administered Only(0) Pending Only(2) 🍸 Filters 🔹
Immunization	Status		Double click to access	
DTaP	Current *	Pending	Delia Order	
Polio	Pending	Pending	Pollo Order	
Td	PastDue			

Note: when a vaccine with multiple components is ordered, they will display in the Vaccine Orders Module brokendown by each component item. For example, Kinrix will display by each component as DTap and Polio.

Once you double click the vaccine order to be processed, the Print VIS screen will display. This is where the user will print the Vaccine Information Sheets that are required to be distributed to patients or parents/caregivers of patients.



After printing VIS documents, the vaccine order processing screen will appear. This is where the MA or Nurse performs the actual documentation of the administered vaccine.

The first step in this process is to address the information at the top of the screen by selecting:

- 1. A Registry (should default to CAIR),
- 2. VFC if the patient is receiving state funded vaccines including VFA (Fund 317),
- 3. A VFC reason from the drop down. <u>This section must be completed even if the patient will</u> <u>receive vaccines from our private inventory</u>, and
- 4. The funding source.

#### See the grid below for further information.

VFC Eligible:	Reason:	Funding Source:	Notes:
Box 1 below	Box 2 below	Box 3 below	
	Medical / Medical Managed Care	State	This would be for patients on Medi- Cal, Partnership Health Plan, etc.
	VFC eligible	State	
	American Indian / Alaskan native	State	
Yes (Box is checked)	VFC eligible – Uninsured	State	Look at patient toolbar to check insurance type. Select if patient is a minor and the visit is being paid by straight CHDP <u>or</u> if the patient is an adult and the insurance type is uninsured.
	VFC eligible – Underinsured	State	This means that the patient has an insurance coverage that will not pay for vaccines.
No (Box is unchecked)	Not VFC Eligible	Private Funds	Patient has private insurance.



# Note: If the vaccine being administered is from VFC stock, and VFC is not selected at the top of the screen, then the lot number will not display

The first next in this process is to select the vaccine from the grid at the top of the screen, then select the appropriate lot number from the Lot# field, and documenting the site of administration. Depending on how complete the vaccine was set up in Ngkbm Immunizations (see pages 3-8), most fields will autopopulate with information to include dose, route, billing CPT code, number of components, and expiration date. If these fields to not auto-populate, then they will need to be documented as well.

In the example below, notice that when lot number U5607AA is selected, the Manufacturer, Brand name, Expiration date, Units, route, and NDC ID all auto-populate from information that was already setup in Ngkbm Immunizations.

Lot #:	U5607AA 👻 🔲 Show all	Strength:			Billing units:	1	-
Sequence:	1 Booster	Amount	0.5	*	Billing Code:	90715F	-
Expiration date:	☑ 03/29/2019 🔍 ▼	Units:	Milliliters	•	Admin CPT4:	90471	-
Manufacturer:	SANOFI-PASTEUR -	Route:	Intramuscular	•	Counseled		0
Brand name:	Adacel(Tdap Adolesn/Adult)(PF)	Site:		•			
Vaccine date:	🔽 11/21/2017 🗐 🔻 03:41 PM 🚔	NDC ID:	49281040015				

Note: If the vaccine being administered is from VFC stock, and VFC is not selected at the top of the screen, then the lot number will not display when the Lot # field is selected.

Once all fields for the vaccine order has been completed, and all vaccine orders have been processed, select "Save & Send" at the bottom of the template. This will upload the vaccines into the CAIR registry.