# Indian Health Service Immunization Updates

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#### Learning Objectives

By the end of this presentation you will be able to:

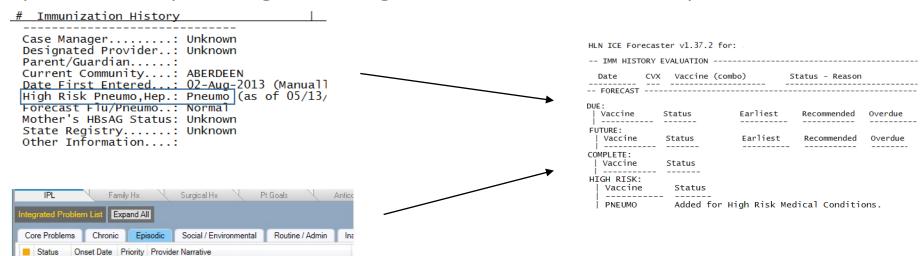
- Understand what changed with high risk forecasting for Pneumococcal vaccination
- What does Supplemental Text have to offer the end user
- How was forecasting improved for Meningococcal B vaccine
- Compare the old and new changes of the Adult report
- Understand what are the new changes to the EHR Immunization Component

### High Risk Forecasting

Diabetic sensory polyneuropathy

Episodic

#### Expanded lookup for diagnosis using V POV and SNOMED concepts



## High Risk Forecasting

#### Added BQI taxonomies

- Transplant
- Cancer
- Immunodeficiency
- VSAC

#### Ordering Provider

Ordering Provider field

```
Imm v8.5*26
                       * * * ADD AN IMMUNIZATION VISIT * * *
Patient: DEMO, ANGELA
Chart#: 456123 at 2021 DEMO HOSPITA
                                                   DOB: 01-Jan-1960 (63 yrs)
                                                         Active
                                                                      Female
     Visit Date: JUL 5,2023
                                                     Category: Ambulatory
     Admin Date:
 Vaccine: Pneumococcal, PCV-20
                                                          Lot#:
            (PCV-20)
<u>Inj Site</u>: Right Deltoid SQ
<u>Location Type</u>: IHS
Location: Vol: 0.5 ml
2021 DEMO HOSPITAL (INST)
Provider: ACUNA, THOM
Provider: ACUNA, THOM
VIS Date: MAY 12,2023 Presented: JUL 5,2023
                                             Ordering Provider: PALANKI, SURYAM
Vac Elig: V01
```

#### Forecasting using Admin Date

```
Imm ∨8.5*26 * * * ADD AN IMMUNIZATION VISIT * * *
Patient:
                                 DOB: 23-May-1997 (26 yrs)
Chart#: 892141 at 2021 DEMO HOSPITA
                                  <u>Category</u>: Ambulatory
   Visit Date: JAN 1.2023
   Admin Date: JAN 7,2023
Vaccine: Hep B, adjuvanted
                                     Lot#: AB1234
        (HEP B ADJV)
                                          Remaining: Not tracked
                                           Exp Date: 02/01/24
Location Type: IHS Location: 2021 DEMO HOSPITAL (INST)
Provider: PALANKI, SURYAM Ordering Provider: DEMO, DOCTOR A MD
VIS Date: MAY 12,2023 Presented: JAN 7,2023
Vac Elig: v01 -
                                  HLN ICE Forecaster v1.37.2 for:
                                   -- IMM HISTORY EVALUATION ------
                                             CVX Vaccine (combo) Status - Reason
                                    Date
                                  DUE:
                                                             Earliest Recommended Overdue
                                     Vaccine Status
                                     HEP B,NOS Due now 02/04/2023 02/04/2023 NO DATE
```

#### Adult Report – New Features

#### ADULT IMMUNIZATION REPORT

```
1 - Quarter Ending Date.....: 05/19/2023
2 - Community......: ALL
3 - Health Care Facility.....: ALL
4 - Beneficiary Type.....: INDIAN/ALASKA NATIVE
5 - Include CPT Coded Visits...: NO
6 - Patient Population Group...: Active Users (2+ visits, 3 yrs)
```

#### Select a left column number to change an item.

V View Adult Report P Print Adult Report H Help

# Adult Report – New Features

\* Adult Immunization Report \* Report Date: 03/16/2023

Active Users	(2+ visits,	3 yrs)

Beneficiary Type: INDIAN/ALASKA NATIVE

beneficially typer indimitation with		
	Number	Percent
Total Number of Patients 19 years and older:		
TETANUS: # patients Tdap EVER: TETANUS: # patients Tdap EVER AND	9	7.3
[Td OR Tdap in past 10 years]	8	6.5
Total Number of Patients 19-59	88	
HEP B: # patients - Series initiated HEP B: # patients - Dose 2 initiated	1	1.1
HEP B: # patients - Series completed	2	2.3
Total Number of Patients age 19-26	24	19.5
HPV: # patients - Series initiated HPV: # patients - Dose 2 initiated	1	4.2
HPV: # patients - Series completed	1	4.2
Total Number of Patients 50 years and older:	56	45.5
Shringrix: # patients - Series initiated: Shringrix: # patients - Series completed:	1 6	1.8 10.7
Total Number of Patients age 19-64	97	78.9
PCV13 and PPSV23: # patients - fully vaccinated:	1	1.0
PCV20: # patients - fully vaccinated PPSV23 and PCV15: # patients - fully vaccinated:	1	1.0
	_	
Total Number of Patients 65 years and older	25	20.3
Tetanus: # patients w/Td/Tdap in past 10 years:	4	16.0
PCV13 and PPSV23: # patients - fully vaccinated:	1	4.0
PCV20: # patients - fully vaccinated PPSV23 and PCV15: # patients - fully vaccinated:	2	8.0 8.0
Total Patients included who had Refusals on record:	14	

# Adult Report – New Features

Total Number of Patients ages 19 through 49 years:	67	
Received 1 dose of Tdap ever:	2	3
Received 1 dose of Tdap or Td < 10 years	2	3
Received 1 dose of Tdap ever AND Tdap or Td < 10 yrs:	2	3
Received HEP B Series complete	1	1
	_	
Received ALL of the above (appropriately vaccinated):	1	1
Total Number of Patients ages 50 through 59 years:	21	
Received 1 dose of Tdap ever	1	4
Received 1 dose of Tdap or Td < 10 years:	1	4
Received 1 dose of Tdap ever AND Tdap or Td < 10 yrs:	1	4
Received HEP B Series complete	1	4
Received Shingrix series complete:	1	4
Received ALL of the above (appropriately vaccinated):	1	4
Total Number of Patients ages 60 through 65 years:	10	
Received 1 dose of Tdap ever:	1	10
Received 1 dose of Tdap or Td < 10 years:	1	10
Received 1 dose of Tdap ever AND Tdap or Td < 10 yrs:	1	10
Received Shingrix series complete:	1	10
Received ALL of the above (appropriately vaccinated):	1	10
Total Number of Patients 66 years and older:	25	
Received 1 dose of Tdap ever:	5	20
Received 1 dose of Tdap or Td < 10 years:	4	16
Received 1 dose of Tdap ever AND Tdap or Td < 10 yrs:	4	16
Received Shingrix series complete:	4	16
Must meet ONE of the following:		
Received 1 dose of PCV13 AND 1 dose PPSV23:	1	4
Received 1 dose of PCV20	2	8
Received 1 dose of PCV15 AND 1 dose of PPSV23:	2	8
Received 1 of the above - fully vaccinated for Pneum:	5	20
Must meet ONE of the following:		
Received 1 dose of Tdap AND Tdap/Td <10 years AND Shingrix		
series complete and 1 dose PCV13 AND 1 dose PPSV23:	1	4
Received 1 dose of Tdap AND Tdap/Td <10 years AND Shingrix		
series complete and 1 dose PCV20	1	4
Received 1 dose of Tdap AND Tdap/Td <10 years AND Shingrix		
series complete and 1 dose PCV15 AND 1 dose PPSV23:	1	4
Met one of the above (fully vaccinated):	3	12
Total Number of Patients 19 years and older:	123	
Total Dationts 10 years and older consensist-1:		
Total Patients 19 years and older appropriately	_	
vaccinated per age recommendations:	6	4

#### **DUE** Letter

- Adding 2<sup>nd</sup> street address
- Adding Patient Preferred Name

Demo 2 Clinic PO Box 129 Supai, AZ 86435

07-Jul-2023

Date of Birth: 01-Jul-1986 (37 yrs)

Chart#: 890630

EARLENA DEMO 515 N. SECOND STREET APT #2

ALB, NM 87119

-

#### Dear EARL

Our records show that you are due for immunizations. Please make an appointment at your earliest.

Sincerely,

Carol Demo-too, PHN Phone: 575-448-2641

#### High Risk Factor Check

\* ENABLE/DISABLE RISK FACTOR CHECKS \*

This parameter allows you to select which, if any, High Risk forecasting is enabled on your system. The choices are as follows:

0 - None

- 1 Pneumo for High Risk history
- 2 Hep B for Diabetes Mellitus
- 3 Hep A and Hep B for CLD/Hep C
- 4 COVID Immunocompromised

Select one or more of the above, separated by commas: 1// ■

CVX codes 33, 215, 216

```
HLN ICE Forecaster v1.37.2 for:
-- IMM HISTORY EVALUATION ------
         CVX Vaccine (combo)
DUE:
                         Earliest
                                    Recommended Overdue
  Vaccine
            Status
FUTURE:
  Vaccine
                          Earliest
                                    Recommended Overdue
             Status
COMPLETE:
  Vaccine
             Status
HIGH RISK:
  Vaccine
              Status
            Added for High Risk Medical Conditions.
  PNEUMO
```

#### Refusals

Added in 3 to 27 mth, 2 yr old, Adult, Adol, Flu rpts

KRINGLE, KRIS 105977 12/22/1971 (51 yrs) M PARKER

Refusals: FLU-IIV3 (01/14/13)

Contraindications: DTP, MMR, MR,

MEASLES, RUBELLA, MUMPS,

Td-ADULT

\* Adolescent Immunization Report (11-17 yrs) \*
Report Date: 02/02/2023
End Date: 02/02/2023

Active Users (2+ visits, 3 yrs)
Total Patients: 22 (F:13 M:9)

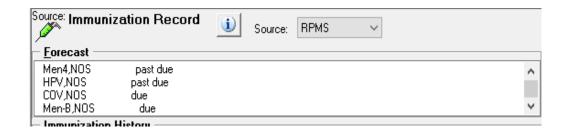
page 20

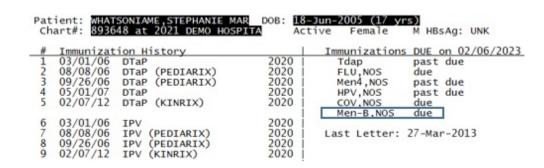
(2. 123	, - , - ,			(
Beneficiary Type: IN	IDIAN/ALASKA NAT	IVE		
Age Group Denominators	11-12yrs 2	13yrs 8	13-17yrs 20	
Fully Voold				
Fully Vac'd   HPV 3 Doses	v		0	
Fully Vac'd   2 & 3 combined	0	0	0	

Total Patients reviewed: 22 Females: 13 Males: 9
Total Patients reviewed who had Refusals on record: 2

#### Meningococcal B

- Vaccine group parameter
- Forecasting of first dose for ages 16 to 18 years
- Forecasting of 2<sup>nd</sup> dose





#### ICE Supplemental Text

HLN ICE For	ecast	er v1.37.2 for:	
IMM HIST	ORY E	VALUATION	
Date	CVX	Vaccine (combo)	Status - Reason
FORECAST			
HIGH RISK:			
Vaccine     None		<u>-</u>	
Supplemental Te	ext:		

The Pneumococcal evaluations and recommendations in ICE primarily target the routine series. Adults ages 19-64 with underlying medical conditions or other risk factors who have not previously received PCV or whose previous vaccination history is unknown should receive 1 dose of PCV (either PCV20 or PCV15). When PCV15 is used, it should be followed by a dose of PPSV23 at the appropriate interval(s). Patients who previously received a PCV13 should receive PPSV23 as recommended for them before the introduction of PCV15 and PCV20, based on age or risk factors. Refer to ACIP for additional information. The vaccine administered should be a single dose of a Pfizer COVID-19 vaccine.

#### ICE Supplemental Text

HLN ICE Forecaster v1.37.2 for:

-- IMM HISTORY EVALUATION ------

Date	CVX	Vaccine (combo)	Status – Reason
01/01/2022 01/22/2022 05/22/2022 Supplementa	218 301	COV,PfrPed COV,PfrBbP	VALID VALID VALID

The timing of the administration of this shot does not follow the guidelines regarding the minimum interval of 5 months required for the 1st Booster Dose.

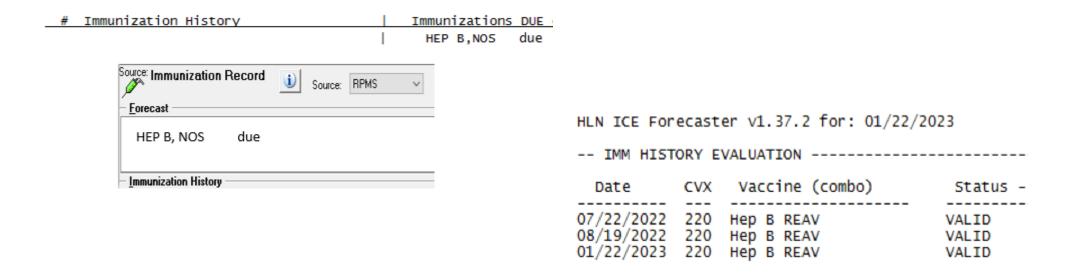
#### Funding Source Codes

Expanded the funding source codes in the Lot number table

```
VFC
v
           NON-VFC
n
           Other State
                                       Lot Number: AB7255
                                                                      Vaccine: COVID-19, mRNA, LNP-S, PF, 3 mcg/
           IHS/Tribal
                                              Sub-lot:
                                                                              (COV, PfrTot)
           Federal funds
VXC1
VXC2
           State funds
                                                                 Manufacturer: MODERNA US
                                               Status: Active
                                       Expiration Date: JAN 1,2025
VXC3
           Tribal funds
                                                                       Source: VFC
                                             NDC code: 00005-0000-01
           Public
VXC50
           Public VFC
VXC51
                                        Starting Count: 1
                                                             Doses Unused: 1
                                                                                Doses Used: 0
VXC52
           Public non-VFC
                                      Low Supply Alert:
                                                                                (calculated)
           Private funds
PHC70
                                             Facility:
PHC68
           Military funds
OTH
           other
           Unspecified
UNK
```

#### ICE v1.37.2 – Hepatitis B

- Forecasting 1<sup>st</sup> dose for ages 19 59 years
- Validation of dose 1, 2, 3 for Hepatitis B (CVX code 220)



#### ICE v1.37.2 - Pneumococcal

• Fixing the forecasting of a PPSV23 3<sup>rd</sup> dose to not display

#### ICE v1.37.2

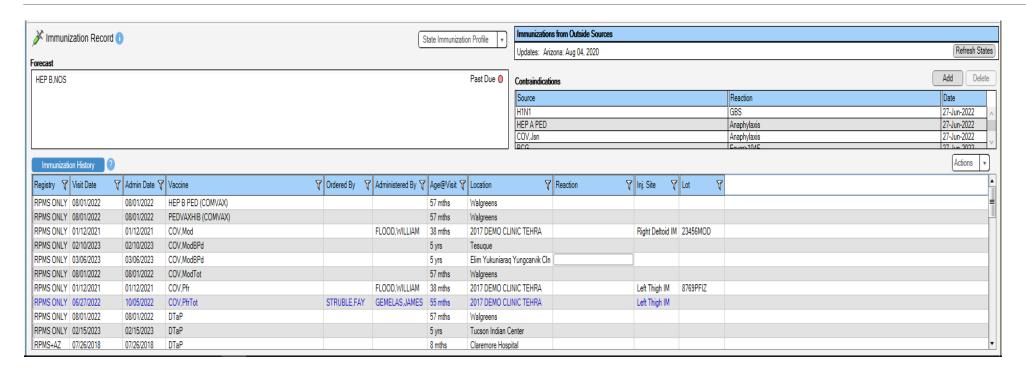
• Use PCV-15 in place PCV-13 for at 2mths,4mths, 6mths and 12mths

# Indian Health Service EHR Immunization Component update

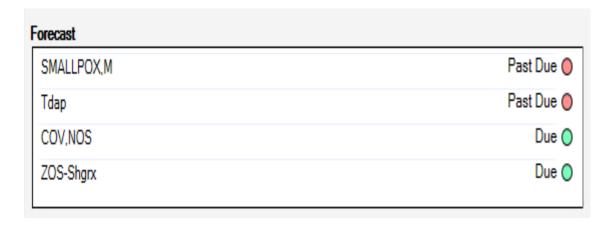
CAPT SURYAM PALANKI

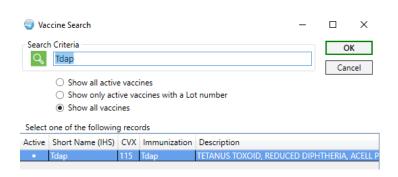
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PHARMACY INFORMATICS CONSULTANT
AUGUST 24, 2023

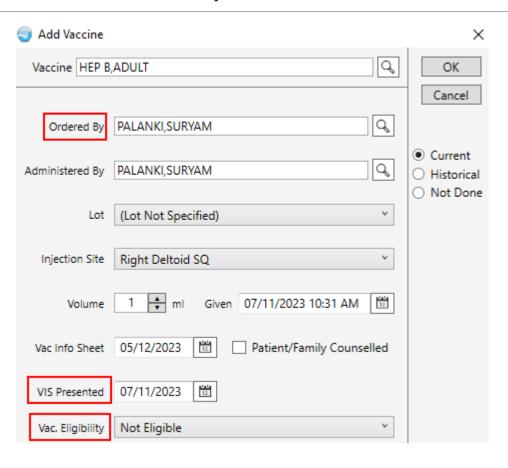




Forecasting Window





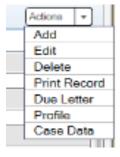


State Profiles can be displayed and printed for one or all.

State Registry updates and messages display

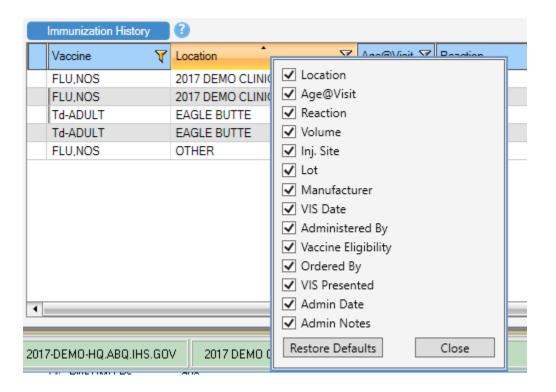


All buttons have been moved under an Action Dropdown.

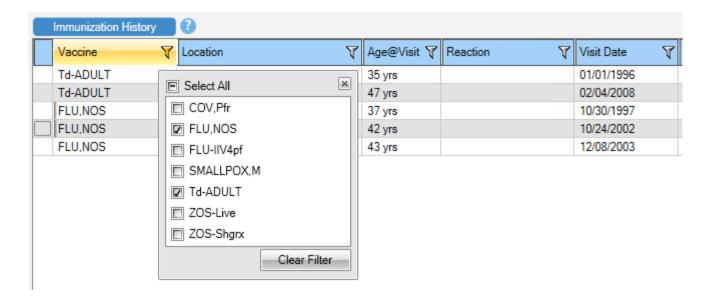


Immunization History User Preference

User column display setting



Filtering



Grouped by

