

Immunization Update

Ongoing Work and Future Roadmap

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Agenda

COVID-19 Vaccines

Spring 2021

Ongoing Development

Future Roadmap

COVID-19 Vaccine Update

Takeaways and Learnings

- Industry use of existing requirements for codification patterns
- Communication efforts across departments and agencies was key
- Adaptability of Immunization Registries and programs across the country
- Rapid changes sometimes hard to adjust to on the technology side (e.g. state requirement fluctuations)
- Impacts and challenges of clinical recommendations changing and evolving

For NextGen clients: System configurability was essential

- Use of existing Medication Update process to deliver vaccine content
- Use of peripheral solutions to meet organization needs

COVID-19 Vaccines - Ongoing Efforts

- Moderna Booster – Same CVX 207, Different CPT code
 - No Lot Number differentiation in Vaccine Details (KI198612)
 - Patch for Spring 2021 version expected December 2021
 - Patches for prior versions expected January 2022
 - Workaround suggestion – use capitalized letters vs. non-capitalized as differentiator

Select Vaccines

Pediatrics Adult By Category ▼

COVID-19 (Current)

☐ J&J COVID-19 (91303)

☒ Moderna Booster (91306)

☐ Moderna COVID-19 (91301)

☐ Pfizer COVID-19 (91300)

Moderna Booster (91306)

Lot #: 123ABC ☐ Show all

Sequence: ☐ Booster

Expiration date: ☒ 11/08/2022

Manufacturer: Moderna US, Inc.

Brand name: MODERNA COVID-19 VACCINE (EUA)

Vaccine date: ☒ 12/14/2021 03:33 PM

Strength: 30

Amount: 0.3

Units: Milliliters

Route: Intramuscular

Site:

NDC ID: 80777027310

Billing units: 1

Billing Code: 91306

Admin CPT4: ModBoost

☐ Counseled 0

Status: ☐ Entered In Error ☒ Administered ☐ Partially Administered ☐ Refused ☐ Not Administered

COVID-19 Vaccines - Ongoing Efforts

- Pfizer Pediatric doses – Included in November Medication update
 - Delay getting content from FDB that contained vaccine CPT codes (K1198587)
 - Pediatric Precaution DUR alert still showing even with pediatric approval (K1198658)
 - FDB has resolved this, change should be included in December Medication update
- Vaccine Administrators Guide updated
 - Expected on Success Community December 2021

COVID-19 Vaccines - Challenges

- Immunization Registry Reporting Accuracy
 - Current industry issue: Incorrect CVX being reported on pediatric aged patients
 - Solution: Ensure Vaccine Inventory setup correctly to differentiate pediatric and adult Pfizer doses (CVX 208 vs. 218)
 - Note: CVX 217 (Adult tri-sucrose formulation not on the market yet) should not be used
- Administrative Coding
 - Use of CPT codes to report dose number – technical challenge
- Forecasting and Recommendations
 - **How big of a need is this?**
- *You Tell Us...What other challenges should we be aware of?*



Spring 2021 – Immunizations in Order Entry

Workflow Comparison – Immunization Module

Order Module

Results Orders Summary Immunizations

New...

Historical...

Exclusions...

Reconcile...

Refresh

Sign-off...

Print

Fax...

☐ Show Ages Given
 ☐ Show Chronological
 ☐ Administered Only(9)

Immunization	Status
DTaP	Past Due
Hep A	Past Due
Hep B	Past Due
HIB	Current *
Influenza	Due Now
MMR	Past Due
Pneumococcal	Past Due
Polio	Past Due
Rotavirus	Not Applicable
Varicella	Past Due

Chart Recommendation Registry

Create New Immunization Order for Test, 144834

Lab Rad Imm

Registry: <All> ☐ VFC Reason Funding Source: Verbal Order

Select Diagnosis

Select Vaccines

Pediatrics Adult By Category

This Order Search All... Check All Uncheck All

DTaP (Past Due)

☐ DTaP (younger than AROUND 7 yrs) (90700)
 ☐ DTaP- hepatitis B and poliovirus (90723)
 ☐ Kinrix (4-6 yr) (90696)
 ☐ Pentacel (90698)

Hep A (Past Due)

☐ Hep A (ped/adol, 2 dose) (90633)
 ☐ Hep B (Past Due)
 ☐ DTaP- hepatitis B and poliovirus (90723)
 ☐ Hep B (ped/adol, 3 dose) (90744)

HIB

☐ Hib (PRP-T) (90648)
 ☐ Pentacel (90698)

HPV

Gardasil 9 (90651)

Influenza (Due Now)

☐ Fluzone 6-35 months (90685)
 ☐ Fluzone quad (90686)

Meningococcal

☐ Menactra (MCV4) (90734)
 ☐ MMR (90707)
 ☐ ProQuad (MMRV) (90710)

Pneumococcal (Past Due)

☐ Pneumococcal, PCV-13 (90670)

Polio (Past Due)

☐ DTaP- hepatitis B and poliovirus (90723)
 ☐ Kinrix (4-6 yr) (90696)

Pentacel (90698)

polio, inactive (90713)

Rotavirus

☐ RotaTeq (Rotavirus 3 dose) Test1
 ☐ Tdap
 ☐ Tdap < 7 yrs (90715)

Varicella (Past Due)

☐ ProQuad (MMRV) (90710)
 ☐ Varicella (90716)

Assign Diagnosis to Selected Vaccines

Check Interactions...

Delete Vaccine

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Visual Comparison – Order Entry

Order Search
Favorites
Immunizations
0 Incomplete Items

IMMUNIZATIONS
Clear For Add
Filters

	Immunization	Status	Last Dose						
+	DTaP	Past Due	10/10/2018						
History: <table> <tr> <td>Administered</td> <td>10/10/2018</td> <td>diphtheria, tetanus toxoids and acellular pertussis (107)</td> </tr> <tr> <td>Administered</td> <td>8/6/2018</td> <td>DTaP (younger than AROUND 7 yrs) (90700) (20)</td> </tr> </table> <ul style="list-style-type: none"> <input type="checkbox"/> DTaP- hepatitis B and poliovirus (90723) (110) <input type="checkbox"/> Kinrix (4-6 yr) (90696) (130) <input type="checkbox"/> DTaP (younger than AROUND 7 yrs) (90700) (20) <input type="checkbox"/> Pentacel (90698) (120) 				Administered	10/10/2018	diphtheria, tetanus toxoids and acellular pertussis (107)	Administered	8/6/2018	DTaP (younger than AROUND 7 yrs) (90700) (20)
Administered	10/10/2018	diphtheria, tetanus toxoids and acellular pertussis (107)							
Administered	8/6/2018	DTaP (younger than AROUND 7 yrs) (90700) (20)							
+	Hep A	Past Due							
+	Hep B	Past Due	6/5/2018						
+	HIB	Current *	3/21/2021						
+	Influenza	Due Now							

Exclusions
Series Completions
Vaccine History
Edit Vaccine History
VAERS Reporting
Adult Schedule
Catch-up Schedule
Traveler's Health
NDC Crosswalk
Vaccine Inventory
Vaccine Billing

Roadmap

Ongoing Development

- Immunization Recommendations and Forecasting updates by Vaccine Group (KI194737)
 - **HPV** – add dose 2 recommendation if dose 1 given early (KI166544)
 - **Tdap** – includes catch-up rules for 7 years and up (KI193905 and KI196877)
 - **Pediarix** – valid 4 doses of Hep B (KI150016)
 - **Pneumococcal Adult** – PPSV default recommendation and logic changes (KI194295)
 - **Meningococcal** – updated recommendations if given early
 - **Meningitis B** -- “recommendation” changes

Future Release Roadmap

Forecasting

- External Rules Engine as an Enterprise Service (IDEA-2488)



Inventory and Reporting Accuracy

- Enhanced Stock support (IDEA-1727 and IDEA-2417)
- VFC Age Configuration (IDEA-12703 and IDEA-9392)



Usability

- Vaccine Inventory improvements – interactions and display



Future Release Roadmap

Immunization Registry

- Consent configurability additions for documenting and reporting
- Reporting of contraindications and reactions in HL7
- Automated query(s) for history and forecast (single patients or in bulk)



Reporting

- Track patients' by vaccine status – due or overdue



Additional Needs

- You Tell Us...What other challenges should we be aware of?



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