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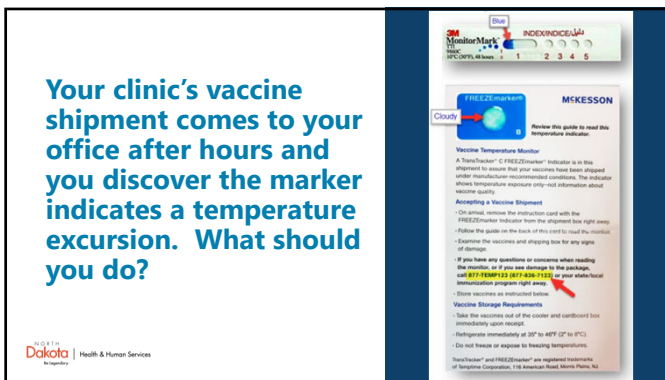
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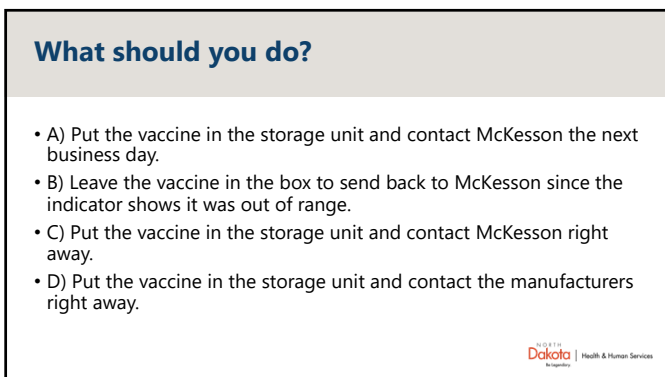
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### What should you do?

- A) Put the vaccine in the storage unit and contact McKesson the next business day.
- B) Leave the vaccine in the box to send back to McKesson since the indicator shows it was out of range,
- **C) Put the vaccine in the storage unit and contact McKesson right away.**
- D) Put the vaccine in the storage unit and contact the manufacturers right away.

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### Vaccine Deliveries

- Any issues with vaccine deliveries should be reported the day the shipment is received.
  - Vaccine issues not reported the same day will result in the vaccine not being replaced by McKesson and will result in vaccine loss.
- For viability concerns please reach out to McKesson using the phone number supplied with the vaccine shipment, if the shipment is received after McKesson's operational hours, please leave a voicemail.

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### Vaccine Deliveries Cont.

- For any delivery issues, such as viability issues or missing product, please reach out to the Immunization Unit by phone or email **AFTER** McKesson has been contacted.
  - Phone: 701-328-2378 or 800-472-2180
  - Email: [vaccine@nd.gov](mailto:vaccine@nd.gov)
  - Contacting the Immunization Unit does not replace the need to contact McKesson

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**Your clinic has an open box of MMR that has expired. What should be done with this expired vaccine?**

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### What should be done with this vaccine?

- A) Dispose of the vaccine since the box is open and enter a wastage in the NDIIS.
- B) Enter a return in the NDIIS and send the vaccine back to McKesson.
- C) Nothing needs to be done since the vaccine is expired. It can just be discarded.

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### What should be done with this vaccine?

- A) Dispose of the vaccine since the box is open and enter a wastage in the NDIIS.
- B) Enter a return in the NDIIS and send the vaccine back to McKesson.
- C) Nothing needs to be done since the vaccine is expired. It can just be discarded.

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**Your clinic has one dose of Flumist and a vial of Pfizer COVID-19 vaccine that have expired. How should these doses be entered into NDIIS?**

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### How should these doses be entered into NDIIS?

- A) Both vaccines should be entered as a wastage in the NDIIS and the vaccine disposed of per your facility's policy.
- B) The Flumist® should be entered as a return and sent back to McKesson and the Pfizer COVID-19 vaccine should be entered as a wastage and disposed of per your facility's policy.
- C) Both vaccines should be entered as a return and sent back to McKesson.
- D) Nothing needs to be done and the vaccine can be disposed of per your facility's policy.

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### How should these doses be entered into NDIIS?

- A) Both vaccines should be entered as a wastage in the NDIIS and the vaccine disposed of per your facility's policy.
- B) The Flumist® should be entered as a return and sent back to McKesson and the Pfizer COVID-19 vaccine should be entered as a wastage and disposed of per your facility's policy.
- C) Both vaccines should be entered as a return and sent back to McKesson.
- D) Nothing needs to be done and the vaccine can be disposed of per your facility's policy.

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## Vaccine Wastage vs Return

- **Wastage**
  - Nonviable vaccine that is not able to be returned to McKesson. This includes broken vaccine vials or syringes, vaccine drawn into a syringe but not administered, lost or unaccounted for vaccine and partially used multi-dose vials
  - All COVID-19 vaccine should be entered as a wastage. It cannot be returned to McKesson.
  - Vaccine being returned to McKesson must be entered as a vaccine return and should not be entered on this tab
- **Return**
  - Nonviable vaccine that needs to be returned to McKesson because it is expired, spoiled because of a temperature excursion or because of a vaccine recall. Multi-dose vials (MDV) can only be returned if no doses have been drawn from the vial

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## Vaccine wastage vs return Continued

Return	Wastage
Any unopened MDV vaccine	Open IPV or MDV influenza
Partially used boxes of vaccine	Broken syringe/vial
Full unopened boxes of vaccine	Vaccine drawn up and not administered
	COVID-19 and mpox vaccines

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**What is a very common phone call we receive based off of reminder/recall?**

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### What is a very common phone call we receive based off of reminder/recall?

- A) Parents unaware that their child needs a second dose of Men B vaccine.
- B) Parents received a letter because their child had a duplicate record in NDIIS.
- C) Parents received a letter because all doses are not documented in their child's NDIIS record.
- D) All of the above

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### What is a very common phone call we receive based off of reminder/recall?

- A) Parents unaware that their child needs a second dose of Men B vaccine.
- B) Parents received a letter because their child had a duplicate record in NDIIS.
- C) Parents received a letter because all doses are not documented in their child's NDIIS record.
- **D) All of the above**

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### Meningococcal B

- Two vaccines available:
  - Trumenba® (Pfizer) - 2 dose series
    - Doses at 0 and 6 months
    - Patients who are immunocompromised or are involved in an outbreak setting will need three doses given at 0, 1-2 and 6 months
  - Bexsero® (GlaxoSmithKline) - 2 dose series
    - Doses at 0 and 1 month
- **Lack of interchangeability**

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## Meningococcal B

- Meningococcal B vaccine series should be administered to persons 16 through 23 years of age with a preferred age of vaccination of 16 through 18 years.
- A shared clinical decision-making recommendation enables coverage of meningococcal B vaccines by the VFC program and most insurance plans.

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## Meningococcal B

- Meningococcal B vaccine is recommended for high-risk individuals ages 10 and older.
- Those that are considered high-risk:
  - Functional or anatomic asplenia
  - Persistent complement component deficiencies
  - Meningococcal B outbreak settings
  - Microbiologists working with bacteria

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## Duplicate Client Records

- Flag any duplicate records in the NDIIS by typing the word "DUPLICATE" on an empty field of the Demographics page.
  - **DO NOT DELETE ANY DEMOGRAPHIC INFORMATION FROM THE NDIIS RECORD!**
- Do NOT check the "Exclude client from De-Duplication" checkbox. This box is only to be used when the record should never be merged with another.
- Make sure patient names are spelled the same in the NDIIS and in your EHR whenever possible.
- Do NOT use nicknames in first name field.
- The word "DUPLICATE" must be spelled correctly.
- Entering words such as "merge" or "wrong" will not flag duplicate records on the immunization program report and they won't be merged.

**Demographics** | Demographics | General | Demographics

Last Updated: 03/07/2022

**Patient Information**

Last Name: DUPLICATE Address: 100 First Street  
 First Name: 100 First Street City: LAKEVIEW CITY  
 Middle Name: 100 First Street State: LAKEVIEW STATE  
 Email: 100 First Street Zip: 00000  
 Ethnicity: NOT PROVIDED (001-1000) Country: LAKEVIEW  
 Birth Date: 01-01-2001 Birth State/Country: LAKEVIEW  
 Gender: MALE Primary Phone: 714-444-1234  
 Email Address: 100 First Street  
 Primary Language: SELECT ONE  
☐ Exclude client from reminder/recall  
☐ Exclude client from client De-Duplication

**Responsible Person**

Last Name: 100 First Street Relationship to Patient: SELECT ONE  
 First Name: 100 First Street  
 Middle Name: 100 First Street  
 Email: 100 First Street

**Notes**

Fields appearing with an asterisk (\*) are required.

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**Your clinic recently switched to Priorix® and you have a patient that is coming in that received MMRII® in the past. Can they receive a dose of Priorix® today?**

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**Can they receive a dose of Priorix® today?**

- A) Yes the two MMR vaccines are interchangeable.
- B) No the patient must receive the same brand for the MMR vaccine series.
- C) Yes but only in emergency circumstances where the original brand is not available.

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**Can they receive a dose of Priorix® today?**

- **A) Yes the two MMR vaccines are interchangeable.**
- B) No the patient must receive the same brand for the MMR vaccine series.
- C) Yes but only in emergency circumstances where the original brand is not available.

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## MMR Vaccine

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| <p><b>Priorix®</b></p> <ul style="list-style-type: none"> <li>• Combination measles, mumps and rubella vaccine</li> <li>• Manufactured by GSK</li> <li>• Licensed for 12 months and older</li> <li>• Interchangeable</li> <li>• <b>Can only be stored in the refrigerator</b></li> </ul> | <p><b>MMRII®</b></p> <ul style="list-style-type: none"> <li>• Combination measles, mumps and rubella vaccine</li> <li>• Manufactured by Merck</li> <li>• Licensed for 12 months and older</li> <li>• Interchangeable</li> <li>• Can be stored in either refrigerator or freezer</li> </ul> |
|--|--|

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**Our clinic is transitioning to PCV15 for children. Do children who received part of their series as PCV13 need to finish with PCV13 or can we transition them as soon as we have PCV15?**

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## PCV13 and PCV15 Interchangeable in Series

- A) PCV15 and PCV13 are interchangeable and children should receive whatever product is on hand.
- B) PCV13 series MUST be completed with PCV13. They are not interchangeable.
- C) High risk children must receive a dose of PCV15 following a complete series of PCV13.

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Interpreting

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## PCV13 and PCV15 Interchangeable in Series

- A) PCV15 and PCV13 are interchangeable and children should receive whatever product is on hand.
- B) A PCV13 series MUST be completed with PCV13. They are not interchangeable.
- C) High risk children must receive a dose of PCV15 following a completed series of PCV13.

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ACIP\* recommends 15-valent pneumococcal conjugate vaccine (PCV15)  
as an option for pneumococcal conjugate vaccination of children\*\*

- PCV13 and PCV15:
  - can be used interchangeably
  - are recommended for all children aged 2-59 months and some others based on risk factors
  - can be administered at the same time as other routine vaccines, including COVID-19, using different syringes and vaccine sites
- PCV15 can be used according to currently recommended PCV13 dosing and schedules



**Make sure your patients are up to date  
with their pneumococcal vaccinations**



\*All vaccine recommendations are subject to change without notice. \*\*See <https://www.cdc.gov/vaccines/imz/downloads/pneumococcal-conjugate-vaccine-15-valent.pdf> for more information.

**MMWR**

**MMWR**

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## Pneumococcal Conjugate

- Primary series is three doses routinely given at 2, 4, and 6 months of age
- Fourth (booster) dose is recommended at 12-15 months of age
- Minimum intervals:
  - Children vaccinated at younger than 12 months: 4 weeks
  - Doses given at 12 months of age and older: 8 weeks

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### Pneumococcal Conjugate (cont.)

- A single dose of PCV13 or PCV15 is recommended for:
  - All healthy children ages 24 – 59 months who are not completely vaccinated
  - Children 60 – 71 months with underlying medical conditions
- Two doses of PCV13 or PCV15 are recommended for:
  - Children 24 – 71 months who are not completely vaccinated (have received less than 3 doses of PCV) who have underlying medical conditions

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### Pneumococcal Conjugate (cont.)

- Children 6-18 years with high risk conditions
  - A single dose may be given to children 6-18 years of age at increased risk because of sickle cell disease, HIV or other immunocompromising condition, cochlear implant or cerebrospinal fluid leaks, regardless of whether they previously received PCV13 or PPSV23
- Remember: all doses of pneumococcal vaccine (PCV or PPV23) given at or after 12 months of age must be a minimum of 8 weeks apart

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### Pneumococcal Vaccines

- As of December 1, 2022 providers were able to order PCV15 for those children that are VFC eligible.
  - It is important to remember that vaccines are expensive and PCV13 vaccine doses should be administered and not wasted.
  - Excessive waste of PCV13 may result in a requirement to repay vaccine.
- As of September 1, 2022 both PCV15 and PCV20 are available to order for un/underinsured adults through the 317 program.
- PCV20 is expected to be licensed for children in 2023.

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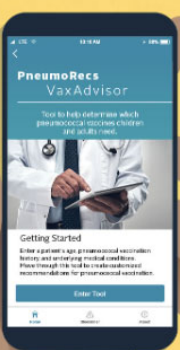
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## Pneumococcal App

- PneumoRecs VaxAdvisor
  - Mobile app helps vaccination providers quickly and easily determine which pneumococcal vaccines a patient needs and when
  - PneumoRecs VaxAdvisor Mobile App for Vaccine Providers  
[www.cdc.gov/vaccines/vpd/pneumo/hcp/pneumoapp.html](http://www.cdc.gov/vaccines/vpd/pneumo/hcp/pneumoapp.html)
- Users simply:
  - Enter a patient's age.
  - Note if the patient has specific underlying medical conditions.
  - Answer questions about the patient's pneumococcal vaccination history.



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**Your clinic has already placed their monthly vaccine order and you notice that you have MMR vaccine that will expire within the next few weeks. Can you place another vaccine order now?**

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### Can you place another vaccine order now?

- A) Yes, providers can place a VFC vaccine order twice per month.
- B) Yes, but providers should contact the Immunization Unit before placing another VFC order.
- C) Yes, providers can place as many VFC vaccine orders in a month that they need to.
- D) No, providers are only able to place one VFC vaccine order per calendar month.
- E) Both B and D are correct

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### Can you place another vaccine order now?

- A) Yes, providers can place a VFC vaccine order twice per month.
- B) Yes, but providers should contact the Immunization Unit before placing another VFC order.
- C) Yes, providers can place as many VFC vaccine orders in a month that they need to.
- D) No, providers are only able to place one VFC vaccine order per calendar month.
- **E) Both B and D are correct**

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### Vaccine Ordering

- VFC providers are able to place a vaccine order once per calendar month.
  - This does NOT apply to influenza or COVID-19 vaccine orders
- If providers are running out of vaccine and have already placed their monthly order please call or email ([vaccine@nd.gov](mailto:vaccine@nd.gov)) the Immunization Unit prior to placing another vaccine order.
- Providers should allow up to 2 to 3 weeks for vaccine delivery.

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### Vaccine ordering

- VFC-enrolled providers will order public vaccine using the Vaccine Ordering, Returns and Wastages module
- Providers must review their facility information and certify it is current before being able to place a vaccine order, return or wastage

#### Information Certification

\* I certify the provider information provided above is accurate and complete. ☒

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## Vaccine ordering

- All public vaccines available for a provider to order are listed in the ordering grid
- Providers must enter current inventory on hand when ordering vaccine
  - Inventory only needs to be completed for vaccines the provider is trying to order, it is not necessary for all vaccines on hand.
- The ordering module will suggest an order minimum and maximum based on inventory on hand and doses administered
- If ordering above the suggested maximum, a comment is required

Edit Vaccine

Vaccine Name	Tdap
Brand Name	Adacel
Manufacture Name	SANOFI PASTEUR
Package Description	5 pack - 1 dose syringe
NDIS Inventory	12
Inventory On Hand	6
Sugg Order Min	
Sugg Order Max	
Doses Ordered	
Comments	

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## Vaccine ordering

- Temperature logs for the provider's vaccine storage units must be submitted to the immunization program before vaccine orders will be processed
- Once a vaccine order is submitted, it is approved by the immunization program and submitted to CDC's VTrckS system
- After the vaccine is shipped, the provider order history grid will populate with the vaccine shipment tracking number

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### NDIS VTrckS Ordering System

NDIS VTrckS Ordering System

Provider Information / Provider Name / Provider Address / Provider Contact

Order History

Order ID	Order Date	Order Status	Order Type	Order Description	Order Quantity	Order Unit	Order Price	Order Total	Order Comments
1001	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1002	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1003	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1004	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1005	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1006	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1007	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1008	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1009	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1010	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	

NDIS VTrckS Ordering System

Order History

Order ID	Order Date	Order Status	Order Type	Order Description	Order Quantity	Order Unit	Order Price	Order Total	Order Comments
1011	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1012	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1013	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1014	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1015	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1016	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1017	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1018	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1019	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	
1020	10/10/2021	Submitted	Order	5 pack - 1 dose syringe	12	Box	\$120.00	\$120.00	

1 have submitted temperature logs to the NDIS during the past month.

Sort By:

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## How do I report a potential issue with the NDIIS not related to password/access issues?

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## Reporting an NDIIS Functionality Issue

- A) Email [ndiissupport@bcbsnd.com](mailto:ndiissupport@bcbsnd.com) for all NDIIS related issues.
- B) Call the NDIIS Support desk at BCBS for all NDIIS related issues.
- C) Assume it has already been reported and wait for it to be fixed.
- D) Contact the NDIIS team in the Immunization Unit either by phone or email to report the issue.

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## Reporting an NDIIS Functionality Issue

- A) Email [ndiissupport@bcbsnd.com](mailto:ndiissupport@bcbsnd.com) for all NDIIS related issues.
- B) Call the NDIIS Support desk at BCBS for all NDIIS related issues.
- C) Assume it has already been reported and wait for it to be fixed.
- D) Contact the NDIIS team in the Immunization Unit either by phone or email to report the issue.

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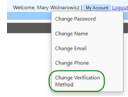
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## How to report a potential issue with the NDIIS and reach the correct member of the NDIIS team

NDIIS Support Services is only able to help users with login and access issues. If a user is not able to log in, is missing access to functionality, or is wondering about the status of their access request, please reach out to Support Services at 1-800-544-8467 or via email at [NDIISsupport@bcbnd.com](mailto:NDIISsupport@bcbnd.com).

NDIIS users are also now able to reset their own passwords, submit their own user registration form for new or updated access, and can change their verification method to receive the login verification code by text instead of email.



Any other NDIIS questions or issues, not related to login or access, should be sent to the NDHHS NDIIS team at [NDIIS@nd.gov](mailto:NDIIS@nd.gov). The NDIIS team at NDHHS is not able to help resolve login issues or provide updates on the status of an access request but we will help answer any other questions and we will work with the NDIIS development team to resolve any other system issues.

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**I am entering all required immunizations fields into my EHR so why is there information missing when the dose goes to the NDIIS and why isn't my NDIIS inventory decrementing?**

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## Missing Fields in the NDIIS

- A) The electronic message sent to the NDIIS from my EHR had an invalid NDC code.
- B) The lot number and vaccine funding source sent from my EHR don't match my NDIIS vaccine inventory.
- C) The electronic message sent to the NDIIS from my EHR had an invalid manufacturer code.
- D) All of the above.

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## Missing Fields in the NDIIS

- A) The electronic message sent to the NDIIS from my EHR had an invalid NDC code.
- B) The lot number and vaccine funding source sent from my EHR don't match my NDIIS vaccine inventory.
- C) The electronic message sent to the NDIIS from my EHR had an invalid manufacturer code.
- **D) All of the above.**

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## Dose data entry and the interface between your EHR and the NDIIS

In order for doses to be added to the NDIIS through the interface with your EHR, for all of the dose information to be entered into the NDIIS record, and for your inventory to decrement correctly, all of the information must be entered in your EHR and formatted correctly.

The key pieces of information that must be entered and formatted correctly include:

- NDC code
  - The NDIIS interfaces rely on NDC to determine what type of vaccine was administered. The NDC must be in the 10-digit format with dashes separating the three segments of the code or in the 11-digit format with or without the dashes. Additional information on NDC format and converting a 10-digit NDC to 11 digits can be found on the DHHS NDIIS website at <https://www.hhs.nd.gov/public-health-information/diseases-conditions-and-immunization/immunizations/trainings>.
  - The NDC can be from the vaccine unit of sale (i.e., outer packaging) or unit of use (i.e., vaccine vial/syringe). NDIIS inventory will always use the unit of sale NDC but the interface can accept either unit of sale or unit of use to determine vaccine type. The CDC does maintain a unit of sale/unit of use NDC mapping table that also include both the 10 and 11-digit NDC formats. The CDC NDC tables can be found at [https://www2a.cdc.gov/vaccines/imz/standards/ndc\\_crosswalk.asp](https://www2a.cdc.gov/vaccines/imz/standards/ndc_crosswalk.asp).

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## Data Entry Cont.

• The key pieces of information that must be entered and formatted correctly include:

- Lot number and funding source
  - The NDIIS relies on the combination of lot number and vaccine funding source (i.e., state/public or private) in order to decrement inventory. If the lot number and funding source does not exactly match what is in your NDIIS inventory, doses on hand cannot be decremented. NDIIS inventory will always have the lot number from the vaccine unit of sale. If the vaccine has a different lot number on the unit of use and that is the lot number documented in your EHR and sent to the NDIIS, your NDIIS inventory will not decrement.
  - Vaccine funding source is required for every administered immunization documented in the NDIIS. Your EHR must be sending an allowable value to indicate vaccine funding source based on your dose documentation. Allowable values for funding source from an EHR can be found on the DHHS NDIIS website at <https://www.hhs.nd.gov/immunizations/ndiis/interoperability>.
- Vaccine manufacturer
  - Administered immunizations documented in your EHR must be sent to the NDIIS with a valid 3-character code for the vaccine manufacturer. There is a standard code set for vaccine manufacturer that can be found on the CDC website at <https://www2a.cdc.gov/vaccines/imz/standards/vaccines.asp#vot-mnu>. Doses sent from your EHR with a non-standard value for manufacturer will cause errors on the NDIIS.

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How long can a vial of IPV  
be used after the vial is  
opened/entered?

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### Open IPV Expiration?

- A) Once the vial of IPV is open you have 28 days before the vial must be discarded.
- B) The open vial of IPV is good until the expiration date on the vial.
- C) The vial must be used within 2 months of opening.

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### Open IPV Expiration?

- A) Once the vial of IPV is open you have 28 days before the vial must be discarded.
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## Open Multidose Vials

- Vaccines in multidose vials that do not require reconstitution can be used through the expiration date printed on the label as long as the vaccine is not contaminated unless indicated otherwise by the manufacturer.
  - IPV in a multidose vial can be used through the expiration date on the vial.



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## Open Multidose Vials (CONT.)

- For some vaccines, the manufacturer specifies that once the multidose vial has been entered or the rubber stopper punctured, the vaccine must be used within a certain number of days.
- This is commonly referred to as the "beyond-use date" (BUD). Any vaccine not used within the BUD should be discarded. Specific information regarding the BUD can be found in the product information.

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## Post-Test

- Post-test
  - Nurses interested in continuing education credit, visit [https://ndhealth.co1.qualtrics.com/jfe/form/SV\\_8vUyNC7ctDSvzka](https://ndhealth.co1.qualtrics.com/jfe/form/SV_8vUyNC7ctDSvzka)
  - Successfully complete the five-question post-test to receive your certificate
  - Credit for this session will not expire until January 13, 2023.
- This presentation will be posted to our website: [www.hhs.nd.gov/immunizations](http://www.hhs.nd.gov/immunizations)

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