Stocking up for Success

Effective Vaccine Inventory Management in the WylR

Cody Loveland, MPH



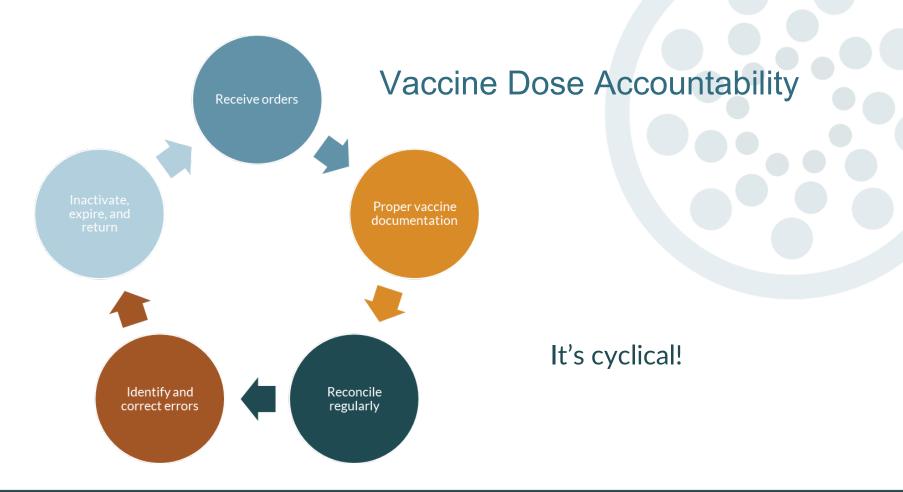




Objectives

- Identify and implement best practices for vaccine inventory management.
- Describe and apply effective processes for reconciling vaccine inventory.
- Utilize available tools and resources to address and resolve vaccine inventory challenges.

Vaccine Dose Accountability







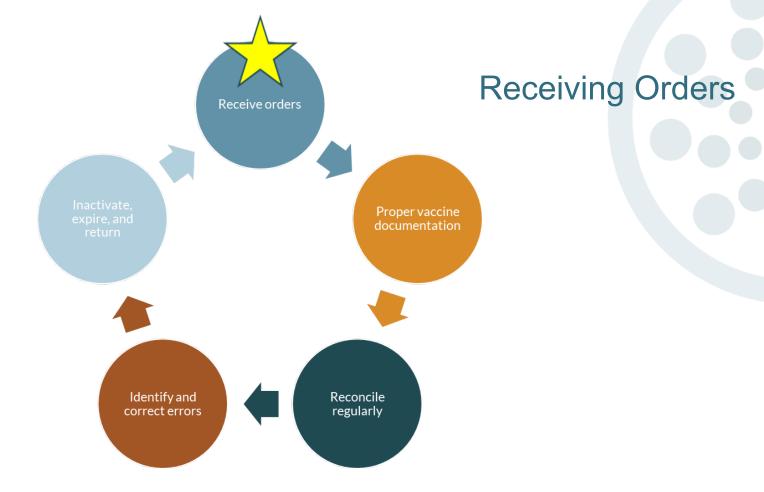


Vaccine Dose Accountability

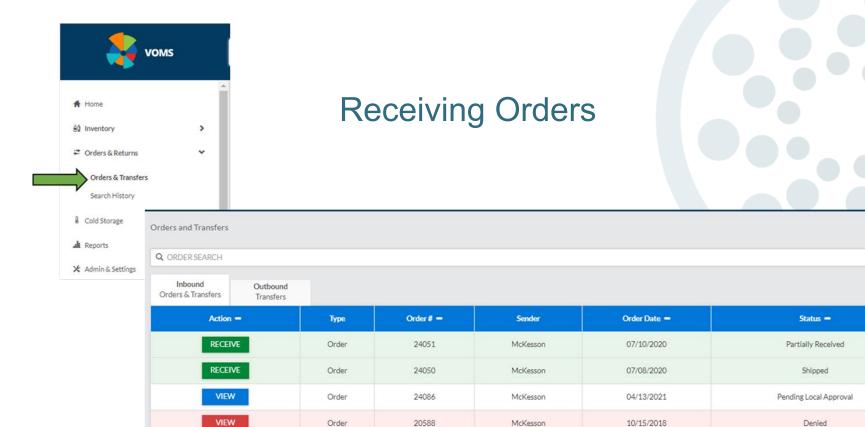
Why is it important?

- Cost effective
- Accurate patient records
- Time management
- Requirement of Public Vaccine Program (PVP) Providers











1=2

Receiving Orders

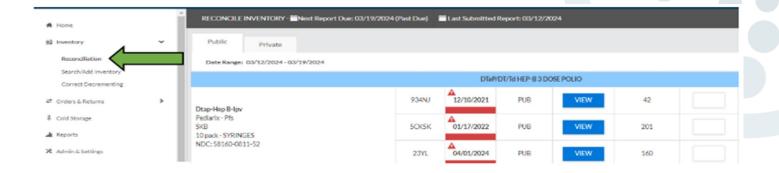
		RECEIPT DATE	FUNDING SOURCE	QUANTITY	APPROVED QUANTITY	SHIPPED QUANTITY	RECEIPT QUANTITY	ACTION	
			DTaP/DT/Td HEP-I	B 3 DOSE POLIO					
23YL4	04/04/2022 💥		PUB	40	40		items that have physically arrived at your facility.		
DTaP/DT/Td POLIO									
	23YL4	23YL4 04/04/2022*	23YL4 04/04/2022 ×	23YL4 04/04/2022 PUB		23YL4 04/04/2022 PUB 40 40	23YL4 04/04/2022 PUB 40 40 40	PUB 40 40 40 40 Enter Receipt Quantity for the items that have physically arrived at your facility. Leave blank if the vaccine has	

CANCEL

RECEIVE



Receiving Orders

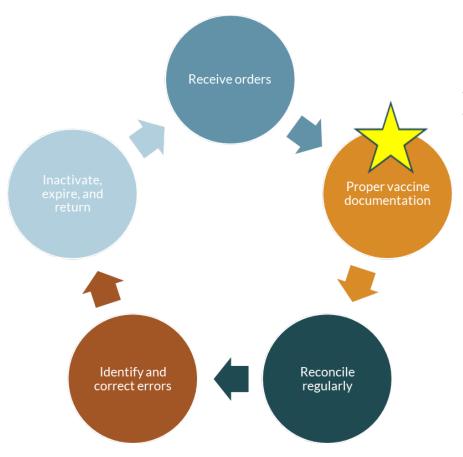




Receiving Orders

- Immediately store vaccine orders when received
- Only doses physically received should be marked as such in the WylR.
- Frozen and refrigerated vaccine may be shipped separately
- May be marked as "Partially Received"
- DO NOT add doses manually





Proper Vaccine
Documentation



Proper Vaccine Documentation







Proper Vaccine Documentation

- Lot Numbers

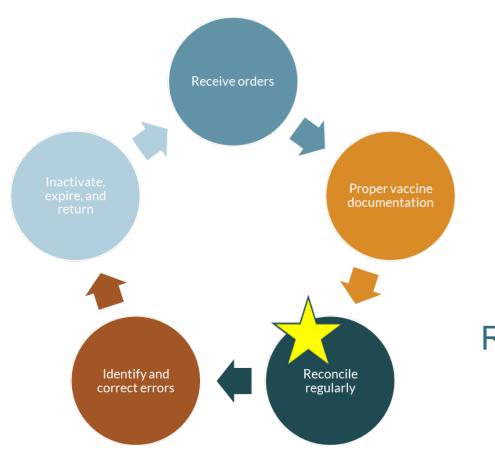
Watch out for O's (O) being written instead of ZEROS (O)

Vaccine	Lot#	Exp Date	Funding Source	Lot History	Qu
				HepB	
Hep B Ped/Adol - Preserv Free Recombivax Hb - Sdv MSD 10 pack - VIALS NDC: 00006-4981-00	X002469	05/22/2025	PUB	VIEW	
Hep B Ped/Adol - Preserv Free Recombivax Hb Pfs MSD	XOO2469	05/22/2025	PUB	VIEW	
10 pack - SYRINGES NDC: 00006-4093-02	X024136	05/21/2026	PUB	VIEW	





When you realize you've been documenting 'O' instead of '0' for months...







Reconciliation best practices:

- Do it every 30 days and before each order
 - Or more frequently if needed
- If something doesn't match research and troubleshoot sooner rather than later
- Use our reconciliation reference guides on ImmunizeWyoming.com

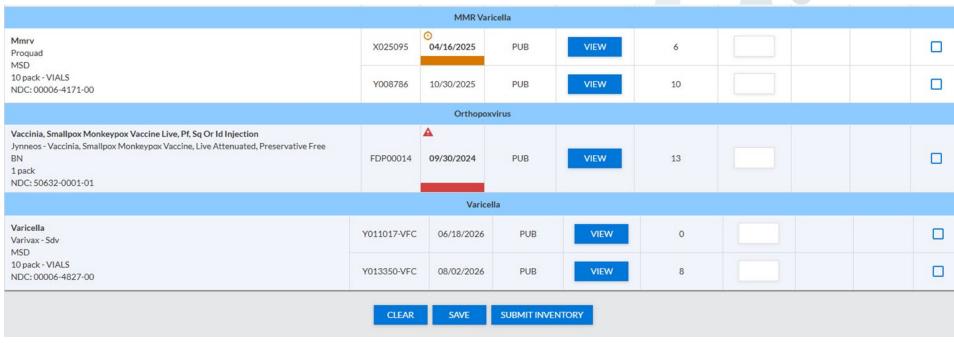






Vaccine	Lot#	Exp Date	Funding Source	Lot History	Quantity On Hand	Physical Counts	Discrepancy	Adjustments	Inactivate
			DTaP/Tda	p/Td					
Dtap Infanrix - Pfs SKB	A5573	07/13/2025	PUB	VIEW	5				
10 pack - SYRINGES NDC: 58160-0810-52	47Y5M	06/26/2026	PUB	VIEW	20				
Tdap	NR5DX	02/02/2026	PUB	VIEW	7				
Boostrix - Pfs SKB 10 pack - SYRINGES	T3Z7D	05/05/2026	PUB	VIEW	40				
NDC: 58160-0842-52	TD2FD	05/31/2026	PUB	VIEW	18				
Tdap Tdap; Sdv; 10-pack SKB 10 pack - VIALS NDC: 58160-0842-11	LK59T	01/13/2026	PUB	VIEW	16				
Tdap Tdap; Syr; 5-pack PMC 5 pack - SYRINGES NDC: 49281-0400-20	U7983AA	01/18/2026	PUB	VIEW	48				











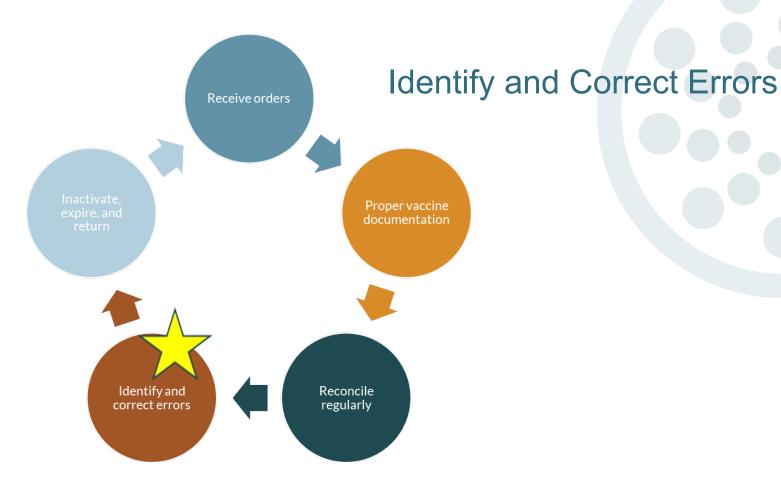


When those inventory numbers just don't add up...



Questions?







Identify and Correct Errors - Problem Solving

What should you do when numbers don't match?

Available tools for troubleshooting:

- Correct Decrementing
- Patient Detail Report
- Lot Usage and Recall Report

AND WHEN NUMBERS STILL AREN'T RIGHT??

Reach out to the WylR Help Desk

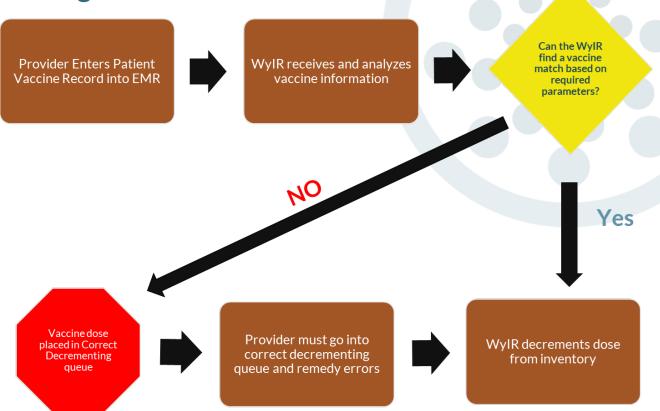


Correct Decrementing

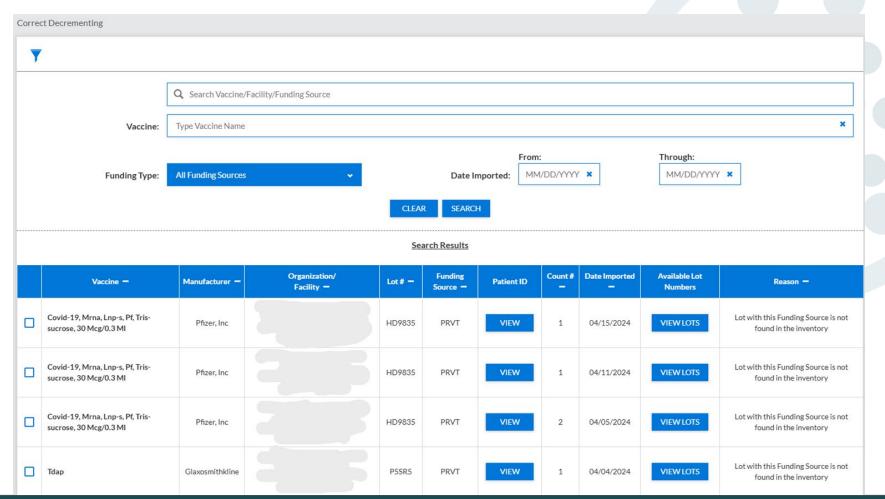
Dec·re·ment

/'dekrəmənt/ verb

To cause a discrete reduction in quantity

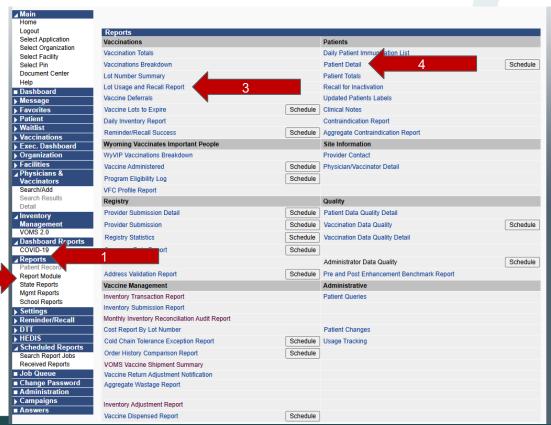






Inventory Management Reports

Identify and Correct Errors





Identify and Correct Errors

Lot Usage and Recall Report

Report Criteria Report Date: April 8, 2019

Organization (IRMS): 5006 - 1-WYOMING DEPARTMENT OF HEALTH

Vaccinating Facility: IMMUNIZATION UNIT

Date Range: All District/Region: All

Vaccine: DTaP Manufacturer: GLAXOSMITHKLINE Lot Number: 345678 Lot Facility: IMMUNIZATION UNIT Funding Source: Public

Last Name First Name Birthday SIIS Patient ID Vaccination Date Organization (IRMS) Vaccinating Facility Dose Size



The specific vaccine type, manufacturer, lot number and the facility who "owns" this lot

The names of patient(s) who received the listed vaccine criteria and lot number



Identify and Correct Errors

Patient Detail Report

	Middle Name Last TESTER T		st Name Birthday 01/01/2019			Guardian F.N. TOMMY		Phone Number 307-234-5678				
Dose Size	Mfg. Code	Lot	Funding	VFC Eligible	Historical	Decremented	i	Vaccinator		Facility	Date VIS Form Given	VIS Publication Date
Full Full	SKB SKB	33PA4 4ZH95	PUB PUB	YES YES	N N	Y Y	1				07/10/2019 03/12/2019	11/05/2015 07/20/2016



Identify and Correct Errors

- Summary

Don't ignore problems!

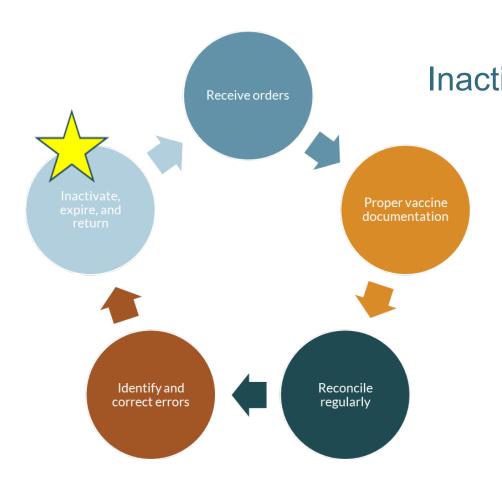
Use the tools available to help you:

- Correct Decrementing
- Patient Detail Report
- Lot Usage and Recall Report

AND WHEN NUMBERS STILL AREN'T RIGHT??

Reach out to the WylR Help Desk



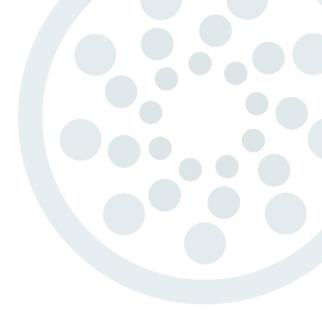




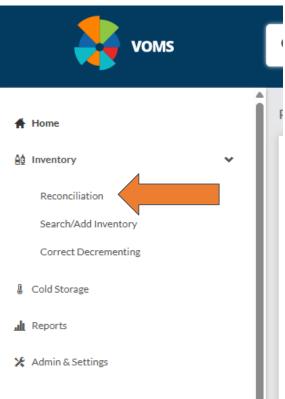
Finalizing Inventory for Submission

Identify any doses that have:

- Zero doses left
- Expired
- Been wasted (due to spillage, been broken, etc.)



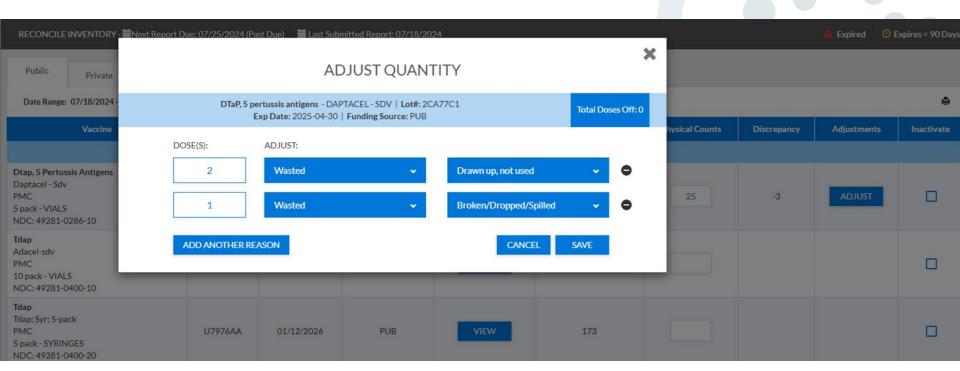
Finalizing Inventory





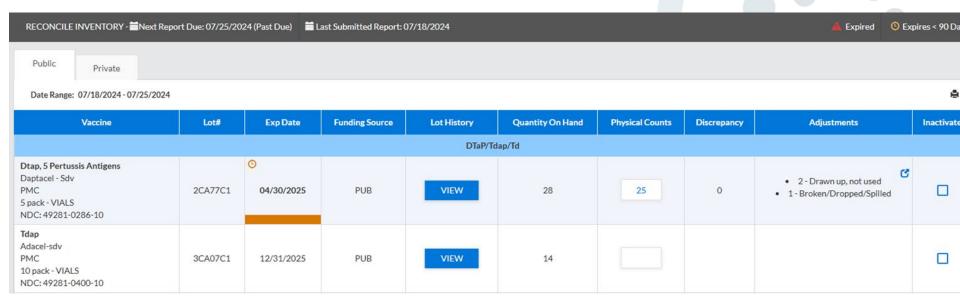


Finalizing Inventory - Wastage



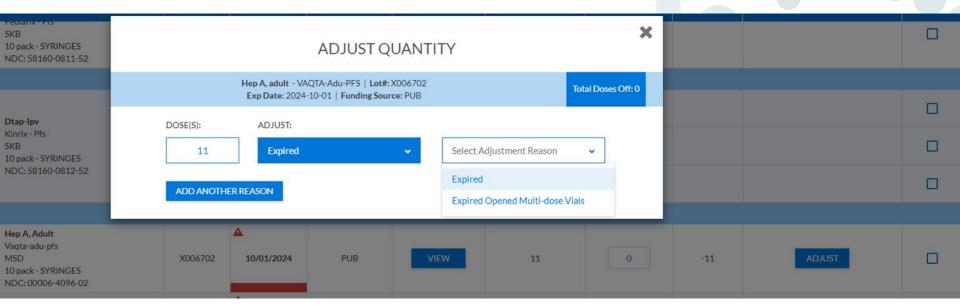


Finalizing Inventory - Wastage



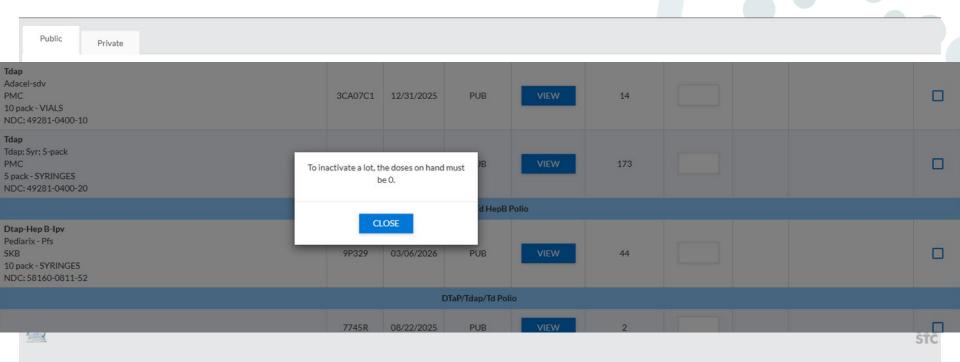


Finalizing Inventory - Expiration



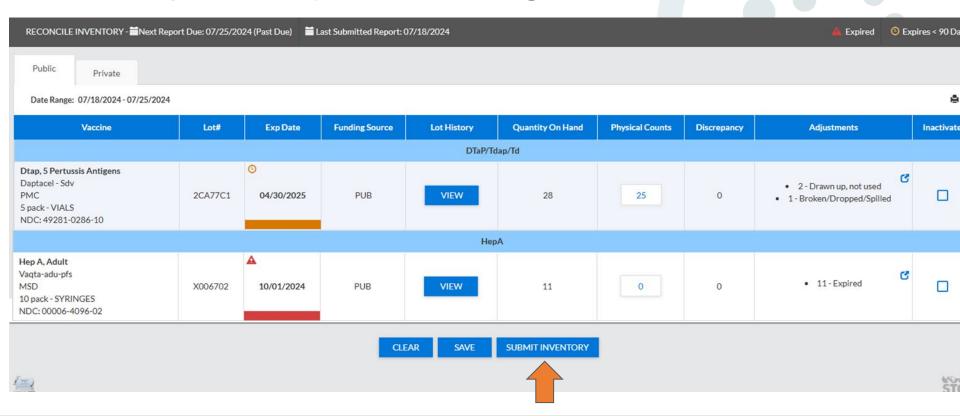


Finalizing Inventory - Inactivate





Finalizing Inventory - Don't forget to submit!





Finalizing Inventory: Accountable Adjustments

- Every vaccine that leaves your inventory that wasn't specifically linked to a patient should have a very clear and explainable reason.
- Be sure to assign vaccine doses to the correct adjustment category every time.
- If numbers aren't matching and you just can't figure it our, do NOT just fudge the numbers until it works.
 - Contact the WylR help desk. These doses must be accounted for.



Inventory Adjustments				
<u>Adjustment</u>	Reason	Explanation		
Administered	Administered but not linked to a vaccine	All public vaccines must be accounted for at the lot number level. Do <u>NOT</u> use.		
Administered	System Non-User Aggregate Reporting Only	Do <u>NOT</u> use		







Inventory Adjustments					
Adjustment Reason Explanation					
Recall	Vaccine recall	Use only if instructed to do so by the immunization unit.			



Inventory Adjustments			
<u>Adjustment</u>	Reason	<u>Explanation</u>	
Spoiled	Not Properly Stored	Ex. Left at room temperature, frozen vaccines stored in the refrigerator or vice versa	
Spoiled	Refrigerator/Freezer Mechanical Failure	Vaccine is deemed non-viable after storage unit failed for mechanical reasons (does not include door left open)	
Spoiled	Natural Disaster/Power Outage	Vaccine is deemed non-viable after a natural disaster or power outage	
Spoiled	Refrigerator/Freezer Too cold	Vaccine is deemed non-viable due to freezer/refrigerator temperatures being too cold	



Inventory Adjustments			
<u>Adjustment</u>	Reason	Explanation	
Spoiled	Refrigerator/Freezer Too Warm	Vaccine is deemed non-viable due to freezer/refrigerator temperatures being too warm	
Spoiled	Vaccine Spoiled in Transit	Vaccine is deemed non-viable after it was spoiled in a temperature excursion during transportation	
Spoiled	Failure to Store Properly Upon Receipt	Vaccine is deemed non-viable after it was stored inappropriately at the facility after acceptance.	
Spoiled	Cold chain not maintained during shipment	Do <u>NOT</u> use. These should be rejected from the vaccine order page in the WylR.	



Inventory Adjustments			
<u>Adjustment</u>	<u>Reason</u>	<u>Explanation</u>	
Transfer (removing doses)	Returned to WyVIP program	Do NOT use	
Transfer (removing doses)	Transferred to another provider	Do NOT use. Document on Orders & Transfers page.	
Transfer (removing doses)	Returned to vendor, non-VFC supplied	Only use when documenting returns for PRIVATE inventory.	
Transfer (removing doses)	Restock Private Inventory from Public	Use to document borrowing, public inventory → private	
Transfer (removing doses)	Restock Public Inventory from Private	Use to document borrowing, private inventory→ public	
Transfer (removing doses)	Returned to the Depot	Do NOT use. Must document as expired first. Then use returns feature.	



Inventory Adjustments			
<u>Adjustment</u>	Reason	<u>Explanation</u>	
Wasted	Broken/Dropped/Spilled	Vaccine that has been physically broken or spilled	
Wasted	Drawn up, not used	Vaccine has been drawn up but can't be administered	
Wasted	Vaccine Damaged in transit	Vaccine is damaged in transit when transferring between facilities	
Wasted	Lost and Unaccounted	Use to remove doses when all other methods and research have been completed to reconcile and vaccine doses cannot be accounted for	
Wasted	Dose Count Variance Multi- dose Vial	Remove doses when multi-dose vials have additional product remaining after puncture and viability time-frame has been met	



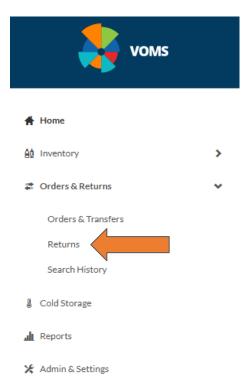
Inventory Adjustments			
<u>Adjustment</u>	<u>Reason</u>	<u>Explanation</u>	
Transfer (adding doses)	Received from another provider	Do NOT use. Document on Orders & Transfers page.	
Transfer (adding doses)	Borrowed from public inventory	Use to document borrowing, public inventory → private	
Transfer (adding doses)	Borrowed from private inventory	Use to document borrowing, private inventory → public	



Inventory Adjustments			
<u>Adjustment</u>	Reason	Explanation	
Order Received	Dose count variance multi- dose vial	Use to add when COVID-19 multi-dose vials accommodate additional administered dose beyond the labeled amount (i.e. Moderna COVID-19 booster doses)	
Order Received	Received directly from the vendor, not WyVIP supplied	Add doses into PRIVATE inventory only when received directly from the manufacturer or vendor	
Order	0	D NOT DIE : I I III (III	
Received	Order received	Do NOT use. Public vaccine orders should be accepted under the orders tab.	
	Received from CDC, not WyVIP supplied	· · · · · · · · · · · · · · · · · · ·	
Received Order	Received from CDC, not	the orders tab. Do NOT use. Public vaccine orders should be accepted under	

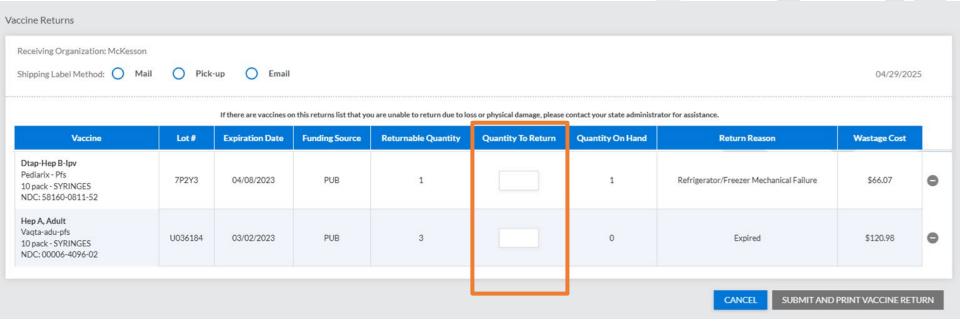


Finalizing Inventory - Returns





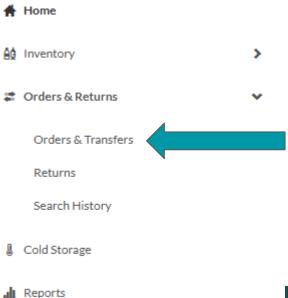
Finalizing Inventory - Returns





Transfers

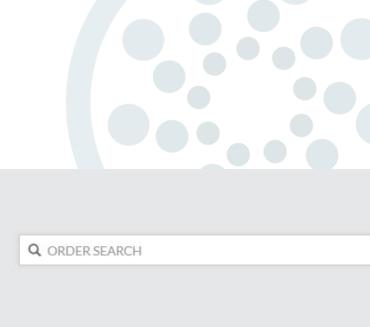
- Do not document these during reconciliation
- These should be documented on the Orders & Transfers tab

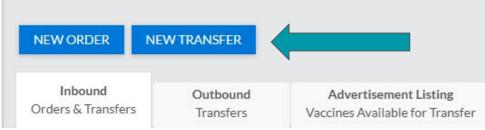




Transfers

Orders and Transfers





TRANSFER ADVERTISE

Receiving Organization:	Receiving Facility:	
Type an Organization	Type a Facility	
Q Search Vaccines		

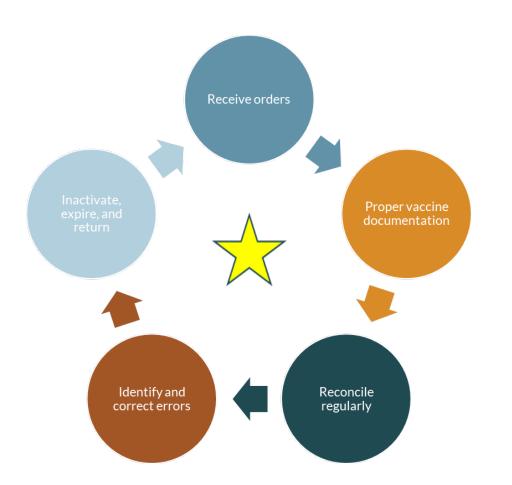
Vaccine	Lot#	Exp Date	Available Quantity	Transfer Quantity	Transfer Reason
Influenza, High-Dose, Trivalent, Pf Fluzone High-dose 0.5-ml Pfs 1 pack - SYRINGES NDC: 49281-0124-65 Funding: PRVT	UT8473BA	06/30/2025	1		COMMENT
Influenza, Split Virus, Trivalent, Pf Flulaval 0.5-ml Pfs 1 pack - SYRINGES NDC: 19515-0810-52 Funding: PRVT	4795R-S	06/30/2025	739		COMMENT
Influenza, Split Virus, Trivalent, Preservative Fluzone Trivalent 5.0-ml Mdv 1 pack - VIALS NDC: 49281-0641-15 Funding: PRVT	U8442AA	06/30/2025	79		COMMENT

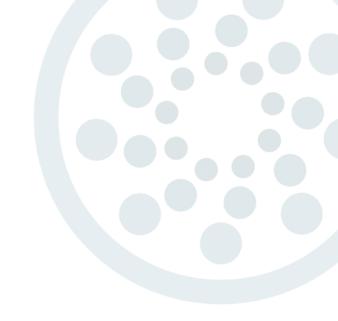


Transfers

- Documenting transfers here automatically updates your inventory
 - For the both the sending and receiving facilities
 - O Transfers all information including lot numbers
- Makes it easier at reconciliation time!







FINISHED!

Thank you!

Cody Loveland, MPH

Public Vaccine Program Manager
Wyoming Department of Health, Immunization Unit cody.loveland1@wyo.gov
307-777-2413

Kimberly Garcia

PVP Provider Support Specialist
Wyoming Department of Health, Immunization Unit
Kimberly.garcia1@wyo.gov
307-777-7487

Resources

WyIR Help Desk Contact Information:

Email: wyir.helpdesk@wyo.gov

Phone: 1-833-221-1451

Immunization Unit Website:

immunizewyoming.com

PVP Escalation/Temperature Logs

wdh.pvpreporting@wyo.gov





