

Paving New Paths with VFC Flu Vaccine Prebooking in Michigan

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Can your IIS process VFC flu vaccine prebooking?

Michigan has paved a new path with our IIS (MCIR) to automate, streamline and manage flu vaccine allocations and vaccine distributions. Let's take a look at where we were, where we are now and where we hope to be in the near future!



Prebooking back then...

- Two years ago
 - Used paper prebook submissions
 - Maintained an Excel spreadsheet to track prebooks
 - Hand calculated orders based on CDC allocation
 - Modified Excel order form for upload to VTrckS
 - Hard to keep track of who is NOT to receive flu vaccine (suspended, closed until after Labor Day, temporarily closed for other reason)



Prebooking VFC Flu Vaccine NOW

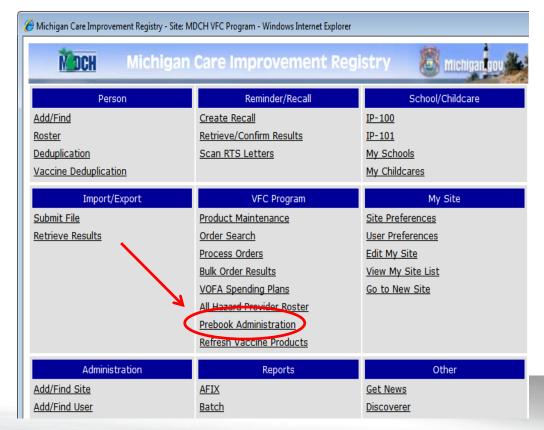
- Everything is done in MCIR!
- Prebook process is paperless
 - No paper prebook forms from providers
 - No Excel spreadsheets to maintain
- Orders based on CDC allocations are calculated and created by MCIR
- MCIR creates .csv file that translates to VTrckS



This is how it works...

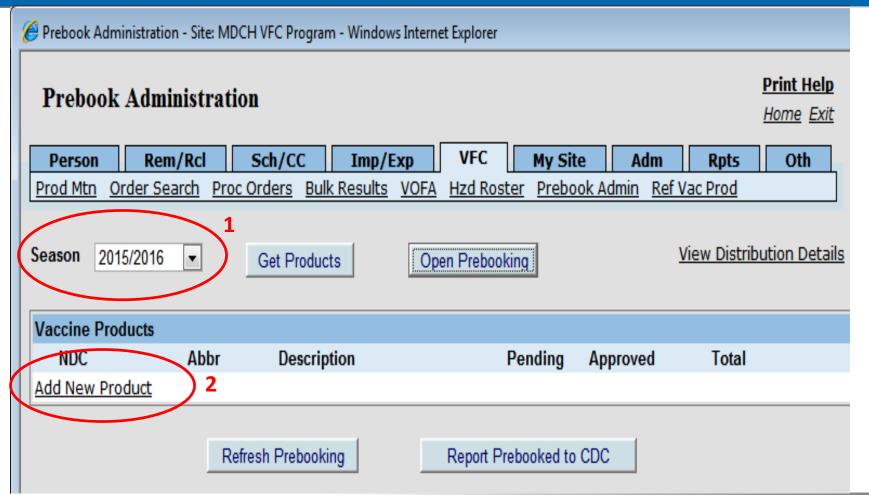
 MDCH VFC staff populates MCIR with VFC flu presentations we will offer for the next flu

season:





...NOW continued

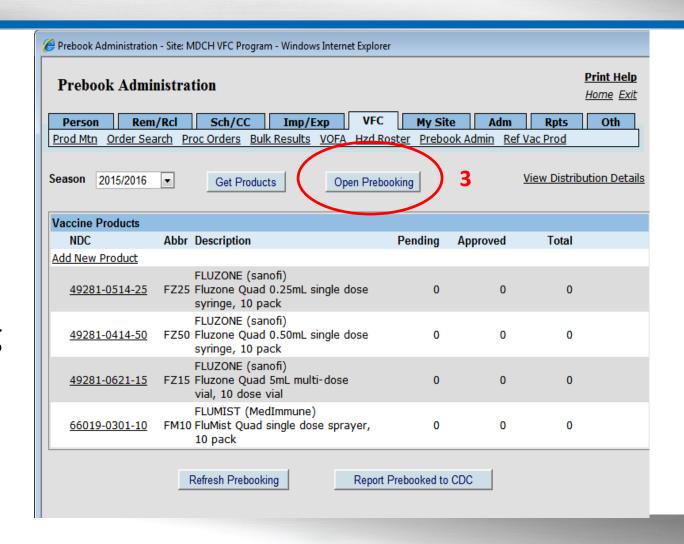




...NOW continued

Ta dah! Ready to go!

Email is sent to local health departments (LHDs) advising them VFC flu prebooking is now OPEN.





...NOW continued

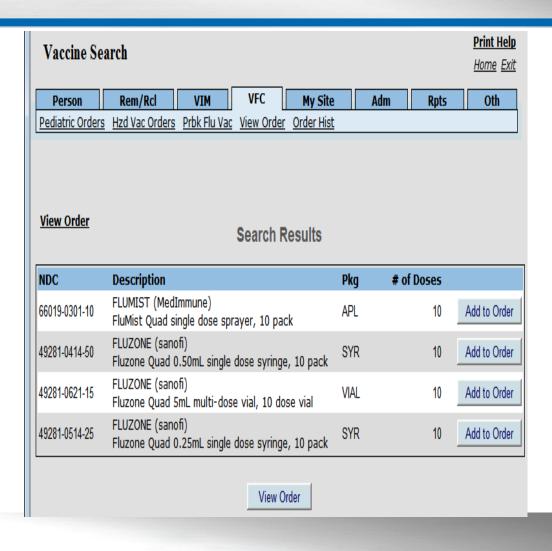
 State of Michigan VFC program works directly with our LHD staff, who in turn work with all VFC providers (tiered approval level). Providers are contacted by their LHDs (via fax, email, phone) and informed that VFC flu vaccine prebooking is open and given a deadline to prebook (deadline is usually the day before CDC's deadline)



 When the Open Prebooking button is selected, a Prebook Influenza vaccine link appears on the home page of active VFC providers:

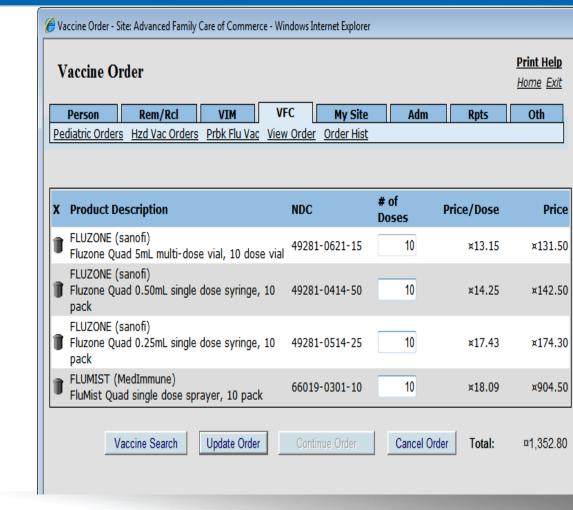
	MOCH Michigan	Care Improvement Regi	istry & Michigan gov				
	Person	Reminder/Recall	Vaccine Mgmt				
	Add/Find	<u>Create Reminder</u>	Manage Inventory				
	Roster	Create Recall	<u>View Inventory History</u> <u>Vaccines Administered</u>				
		Retrieve/Confirm Results					
		Scan RTS Letters					
	VFC Program	My Site	Administration				
	Place VFC Pediatric Orders	Site Preferences	Add/Find User				
	Place All Hazard Vaccine Orders	<u>User Preferences</u>	Site Users				
\P	Prebook Influenza Vaccine	Edit My Site					
	<u>View Order</u>	View My Site List					
	Order History/Status	Go to New Site					
	Reports		Other				

- Providers choose which VFC flu vaccine products they want to offer next flu season.
 - Flu prebooking is similar to routine
 VFC vaccine ordering





MCIR defaults
 chosen vaccines
 to 10 doses.
 Providers can
 modify the
 number of doses
 on this screen.



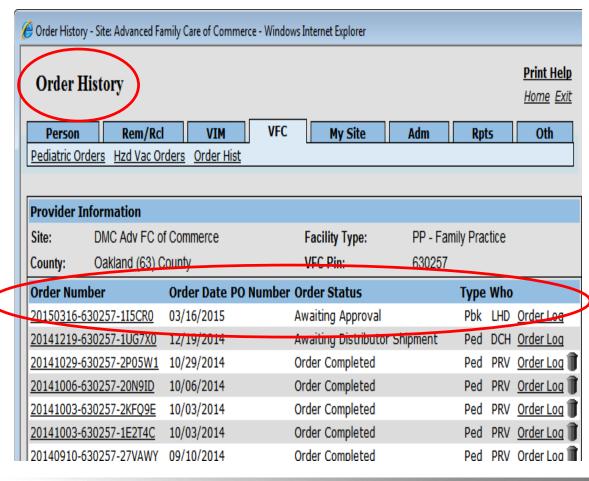


Once updated and complete, they hit the submit button and the prebook goes to the LHD for review and approval.

NDC	Description	# of Doses	Price/Dose	Price
49281-0621-1	Influenza - sanofi (FLUZONE) Fluzone Quad 5mL multi-dose vial, 10 dose vial	50	×13.15	¤657.50
49281-0414-5	Influenza - sanofi (FLUZONE) Fluzone Quad 0.50mL single dose syringe, 10 pack	50	×14.25	¤712.50
49281-0514-2	Influenza - sanofi (FLUZONE) Fluzone Quad 0.25mL single dose syringe, 10 pack	50	¤17.43	×871.50
66019-0301-1	Influenza - MedImmune (FLUMIST) FluMist Quad single dose sprayer, 10 pack	100	¤18.09	×1,809.00
	View Order Submit Order	Cancel Order	Total:	¤4,050.50

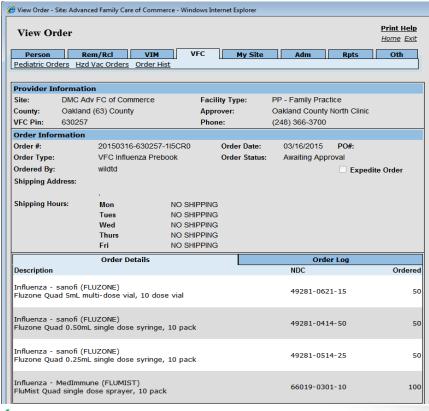


- Providers can
 view their flu
 vaccine prebook
 at any time under
 their Order
 History tab.
 - Differentiated from regular VFC order by Pbk





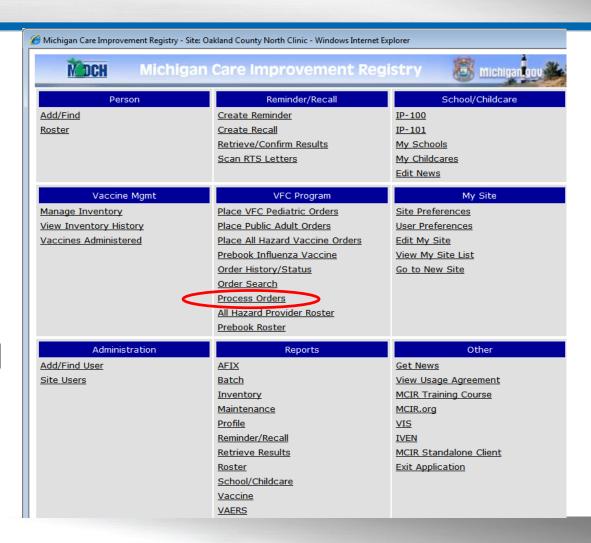
Order history shows prebook details



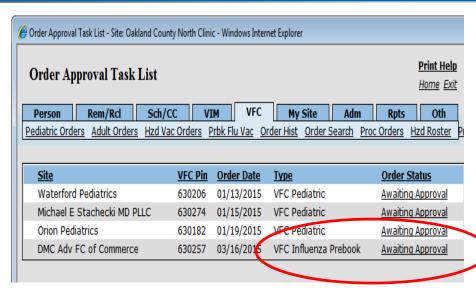




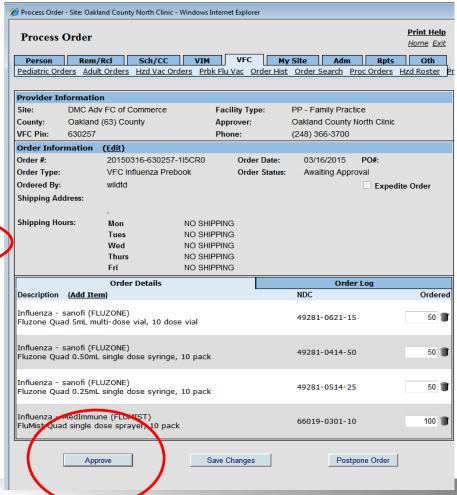
- LHDs must review and approve provider orders up to MDCH level.
 - Similar to normal vaccine approval process





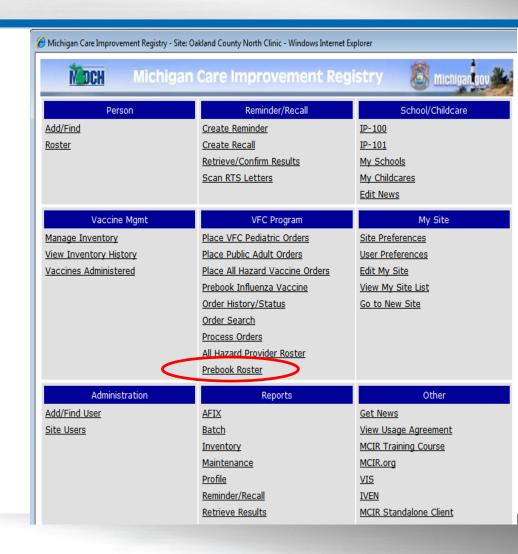


 LHD approve or make necessary changes to order



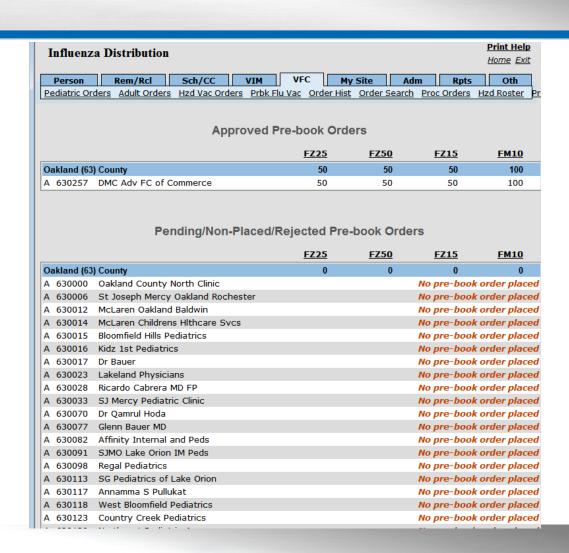


All providers within the LHDs jurisdiction show up on their Prebook roster -whether they have prebooked flu vaccine or not.

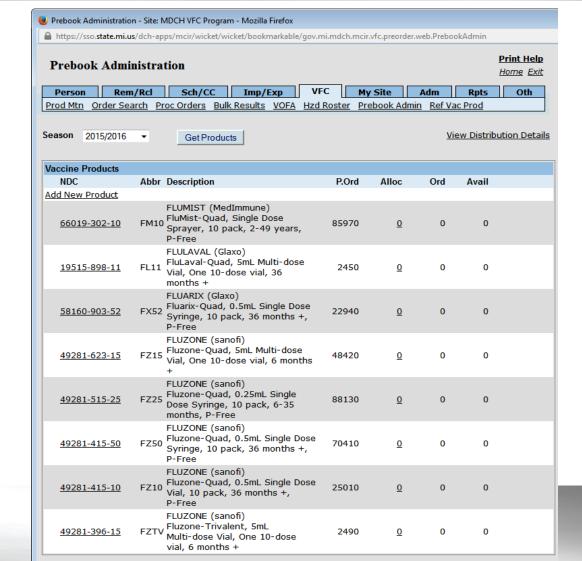




- LHDs can see
 who has
 prebooked and
 who has not
 - Assists with follow up to get providers prebooked before the deadline



 Prebook is now closed. MDCH prebook home screen shows all flu vaccine prebooked by presentation





- Once prebook is closed, the link disappears from the provider's home screen
 - Before closing the prebook option, MDCH prebooks extra vaccine for providers who forgot to prebook, new providers and providers who need more once the vaccinating season begins
 - Prebook requests after the process has been closed are sent via email and prebook is created by MDCH staff
 - These "after the fact" prebooks deduct from the surplus prebook created by MDCH

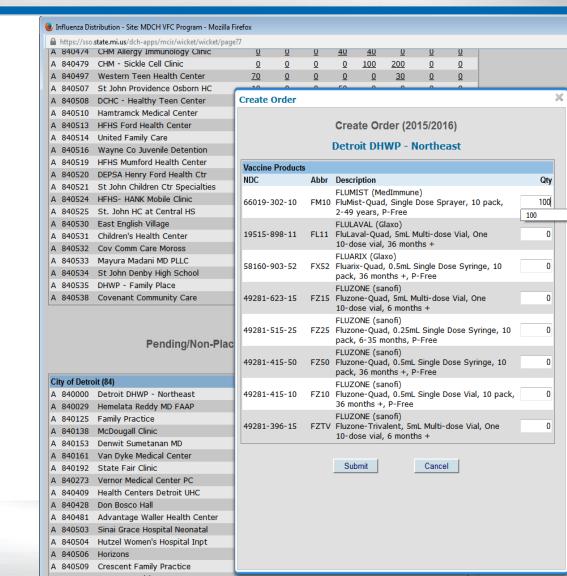
- MDCH has a roster for all counties and all providers.
- MDCH can modify existing prebooks or create new prebooks.

Α	840507	St John Providence Osborn HC	<u>10</u>	<u>0</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>o</u>	<u>o</u>	<u>0</u>
Α	840508	DCHC - Healthy Teen Center	<u>0</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Α	840510	Hamtramck Medical Center	<u>0</u>	<u>0</u>	<u>0</u>	<u>450</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Α	840513	HFHS Ford Health Center	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>0</u>
Α	840514	United Family Care	<u>0</u>	<u>0</u>	<u>0</u>	100	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Α	840516	Wayne Co Juvenile Detention	<u>200</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>0</u>
Α	840519	HFHS Mumford Health Center	<u>30</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>30</u>	<u>0</u>	<u>0</u>
Α	840520	DEPSA Henry Ford Health Ctr	<u>20</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>0</u>
Α	840521	St John Children Ctr Specialties	<u>100</u>	<u>0</u>	110	<u>0</u>	80	<u>0</u>	<u>0</u>	<u>0</u>
Α	840524	HFHS- HANK Mobile Clinic	<u>20</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>10</u>	<u>30</u>	<u>0</u>	<u>0</u>
Α	840525	St. John HC at Central HS	<u>10</u>	20	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Α	840530	East English Village	<u>20</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Α	840531	Children's Health Center	<u>30</u>	<u>0</u>	<u>0</u>	<u>0</u>	20	20	<u>0</u>	<u>0</u>
Α	840532	Cov Comm Care Moross	<u>30</u>	<u>0</u>	<u>0</u>	<u>30</u>	20	<u>0</u>	<u>0</u>	<u>0</u>
Α	840533	Mayura Madani MD PLLC	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>40</u>	<u>0</u>
Α	840534	St John Denby High School	<u>10</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Α	840535	DHWP - Family Place	<u>250</u>	<u>0</u>	<u>0</u>	400	100	<u>0</u>	<u>0</u>	<u>0</u>
Α	840538	Covenant Community Care	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>60</u>	<u>0</u>

Pending/Non-Placed/Rejected Pre-book Orders FM10 FL11 FX52 FZ15 FZ25 FZ50 FZ10 FZTV City of Detroit (84) Detroit DHWP - Northeast Create Orde Hemelata Reddy MD FAAP Create Order 840125 Family Practice Create Order Denwit Sumetanan MD Create Order 840161 Van Dyke Medical Center Create Order 840192 State Fair Clinic Create Order Vernor Medical Center PC Create Order Health Centers Detroit UHC Create Order Don Bosco Hall Create Order 840481 Advantage Waller Health Center Create Order 840503 Sinai Grace Hospital Neonatal Create Order 840504 Hutzel Women's Hospital Inpt Create Order



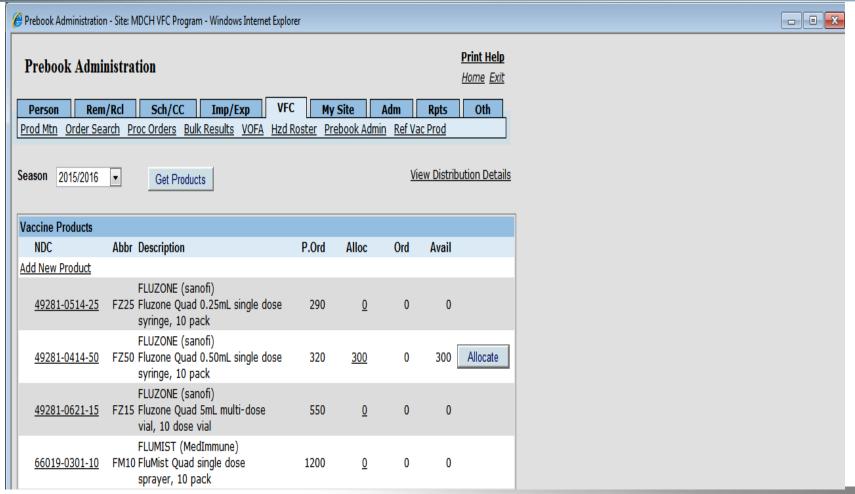
Creating a
 prebook
 moves it
 from the
 bottom to
 the top of the
 roster



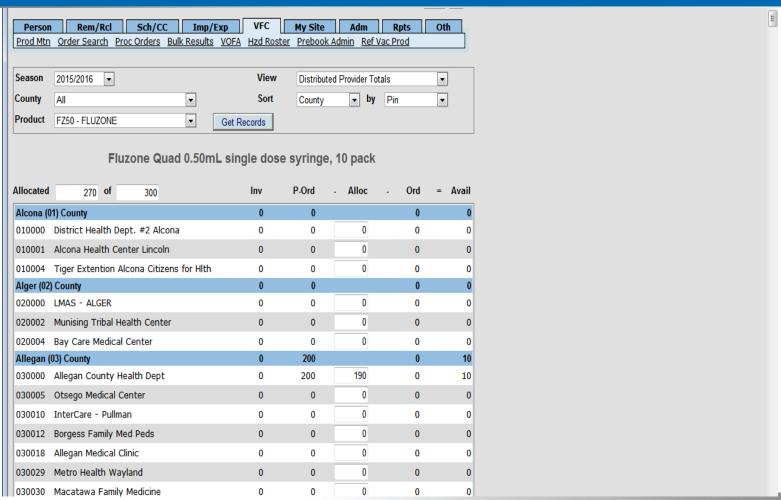


- When Michigan receives a VFC flu allocation from CDC, we enter that allocation into our flu prebook module and let MCIR do it's magic!
 - Dependent on the amount of the allocation, MCIR will assign all provider who prebooked that presentation a minimum of 10 doses and will then go back through the list and allocate additional doses starting with the providers who requested the largest number of doses if there are more doses available in the allocation









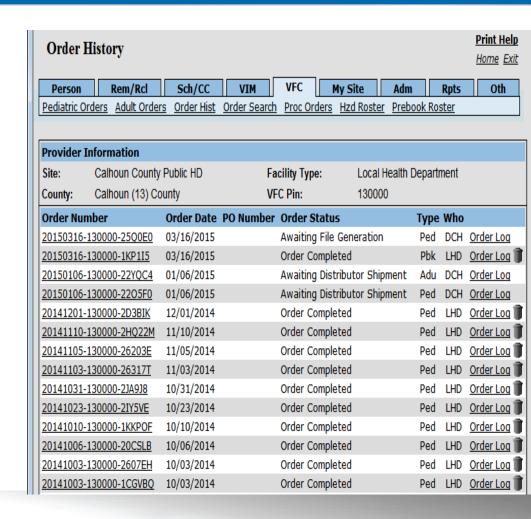


Once MCIR does its magic, we can modify amounts, start over or create orders



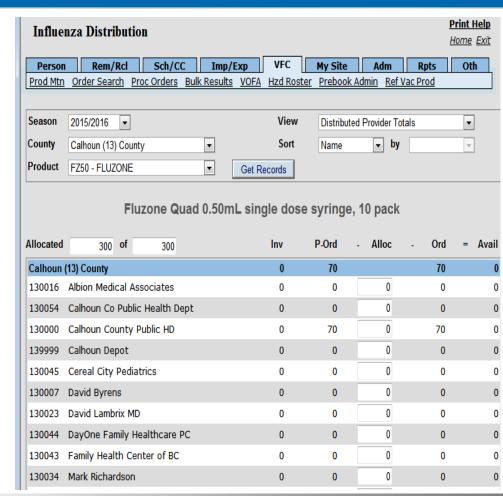


- Once an flu vaccine order is created it populates the provider's Order History
 - We also send a spreadsheet to the LHDs advising them of flu vaccine orders submitted to CDC



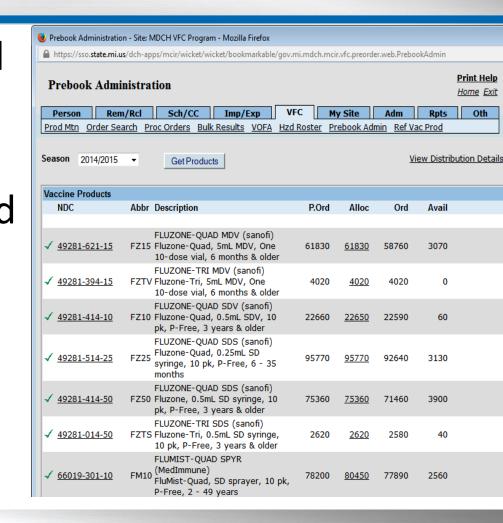
VFC Flu Vaccine Orders

- Orders are batched and uploaded into VTRckS, similar to normal VFC vaccine orders
 - MCIR keeps track of the doses prebooked, ordered and balance still owed, by provider PIN and presentation



VFC Flu Vaccine Orders

 Once we have received our full allocation of a presentation, and all providers have received their full prebook of that presentation, we open that vaccine up for providers to order as needed





What's Next?

- A future enhancement will allow MCIR to calculate a prebook and provide a recommendation based on:
 - Prior year's prebooking
 - Doses received
 - Doses administered
 - Doses currently in inventory
 - Provider's patient profile



MCIR is AMAZING!

- Our VFC Flu Prebooking module has met our primary objectives
 - Offer a streamlined way for VFC providers to prebook and track their flu vaccine orders____
 - Reduce data entry errors
 - Save time for already overloaded staff
- We love our IIS!



