

Transitioning Vaccine Management

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Michigan Immunization Program



Michigan Background

- Pre 2008, before VMBIP
 - Monthly bulk vaccine orders placed at the state level
 - Vaccine shipped to State depot
 - Immunization program paid for one FTE for distribution of vaccine
 - Shipping costs were absorbed by Management and Budget

Michigan Background, cont.

- Pre 2008, before VMBIP, cont.
 - Each Local Health Department (LHD) placed monthly vaccine orders to the state.
 - The LHD maintained their own depot for vaccine and would distribute vaccine to each VFC provider within their jurisdiction, (pick-up or delivery).
 - \$1.12 million (State \$\$) was distributed to LHDs to be used for vaccine management and distribution.
 - Funding supported maintenance of local depot, redistribution of vaccine, equipment, staffing and vaccine order monitoring.
 - Funding based on # of doses handled in previous year

CDC



State Health Department



VFC Provider



Local Health Department



Michigan Background, cont.

State Staffing

VFC Coordinator	Vaccine Manager	Vaccine Clerk
<ul style="list-style-type: none">•Program oversight•Provider/LHD troubleshooting•Education and meetings•PES, grant reports	<ul style="list-style-type: none">•Vaccine ordering (single bulk order)•Vaccine losses•Vaccine accountability•VOFA•VFC site visits data entry	<ul style="list-style-type: none">•VFC enrollments•Doses administered reports•Excluded parties lists•Data tracking

VMBIP Transition for Michigan (2008)

- Built Vaccine Inventory Module (VIM) in IIS
- Required use of VIM for LHDs
- LHDs to reduce inventories in their depot and vaccine orders would ship directly from McKesson
- Transition of VFC providers to VIM and direct distribution of vaccine from McKesson
- Transition took 3 years to complete
 - Individual training of all 1,500 VFC providers on the transition and IIS vaccine inventory
 - Big stress on IIS support staff

VMBIP Transition for Michigan (2008), cont.

- Only doses administered reports were required previous to transition
- New requirements for all providers:
 - Doses administered report
 - Refrigerator count by lot number
 - Temperature logs
 - Vaccine balancing within the VIM
- \$1.12 million in funding for LHD transitioned to Vaccine Quality Assurance. Approval of vaccine orders, approval of supporting documents
 - Funding based on number of VFC providers in jurisdiction
- Transition of responsibilities for biologic clerks at LHDs

VMBIP Transition for Michigan (2008), cont.

- Huge increase in workload at the State Immunization program.
- Went from processing 1 bulk order for vaccine to CDC each month to placing orders for all 1,500 providers into VACMAN taking into account TOF.
- Managed VMBIP transition calls with LHD and IIS staff every two weeks to help them manage the transition
- Pre-populated all provider vaccine inventories with the McKesson distribution file daily
- Numerous calls with McKesson and CDC to manage the process of change

VMBIP Transition for Michigan (2008), cont.

VFC Coordinator	Vaccine Manager	Vaccine Clerk
<ul style="list-style-type: none"> •Program oversight •Provider/LHD troubleshooting •Education and meetings (shipping, inventory control, balancing, etc) •PES, grant reports •Quality assurance with McKesson & CDC 	<ul style="list-style-type: none"> •Entry of vaccine orders for all providers •Vaccine losses •Vaccine accountability •VOFA •Spend plan •VFC site visit data entry •Upload McKesson shipping data to IIS 	<ul style="list-style-type: none"> •Entry of vaccine orders for all providers •VFC enrollments •Doses administered reports •Excluded parties lists •Data tracking

VTrckS Transition for Michigan

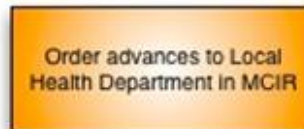
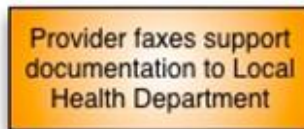
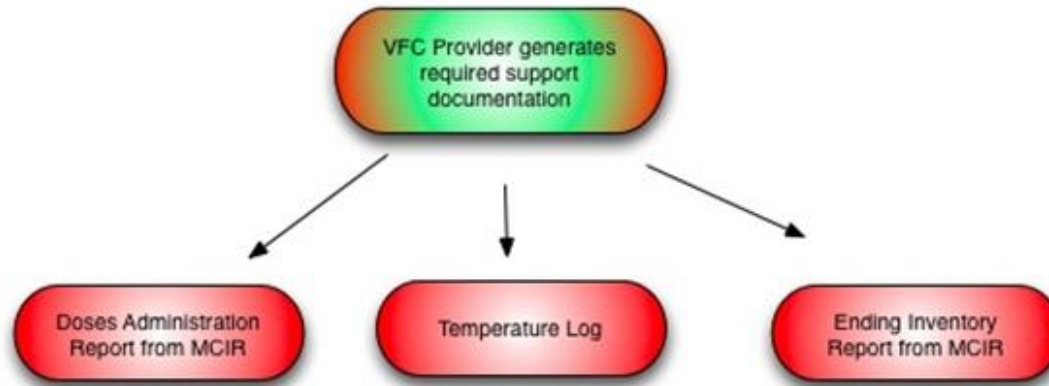
- Developed vaccine ordering in the IIS
- 8 months to fully train and implement all providers on e-ordering for vaccine
- Retained vaccine clerk until September of 2011 from the H1N1 program for VTrckS transition.

VTrckS Transition for Michigan, cont.

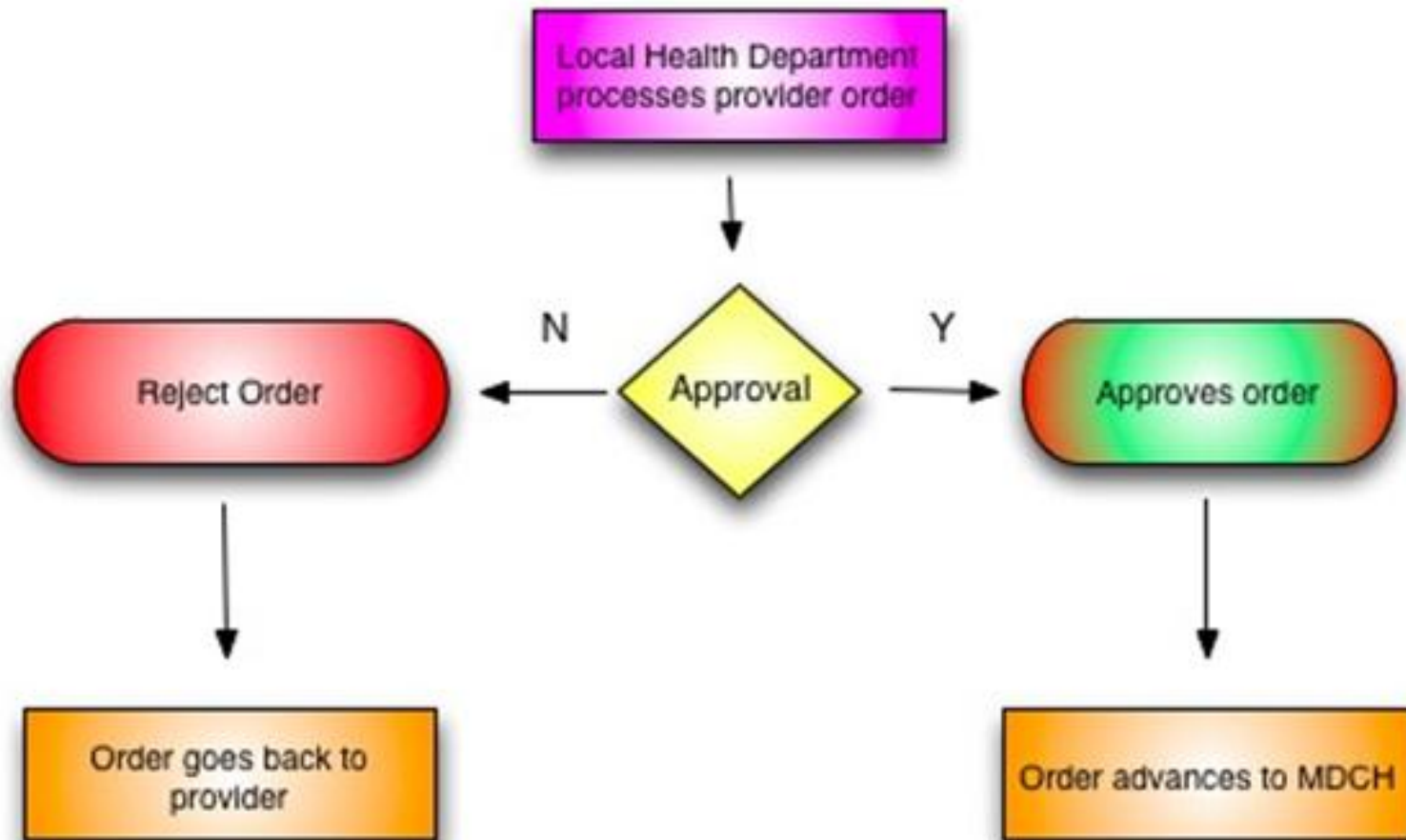
VFC Coordinator	Vaccine (Accountability) Manager	Vaccine Clerk (Data Quality Specialist)	Vaccine Clerk (Transitional FTE no longer funded)
<ul style="list-style-type: none"> •Program oversight •Provider/LHD troubleshooting •Education and meetings •PES, grant reports •Managed change with McKesson 	<ul style="list-style-type: none"> •Approve vaccine orders for providers •Vaccine losses and returns •Vaccine accountability •VOFA •Spend plan •VFC site visits 	<ul style="list-style-type: none"> •Approve vaccine orders for LHDs •VFC enrollments •Doses administered reports •Excluded parties lists •Data sheets 	<ul style="list-style-type: none"> •Upload provider/vaccine order data to VTrckS •Upload McKesson shipping data to IIS •Approve vaccine orders for providers (QA) •These tasks have now been reassigned.



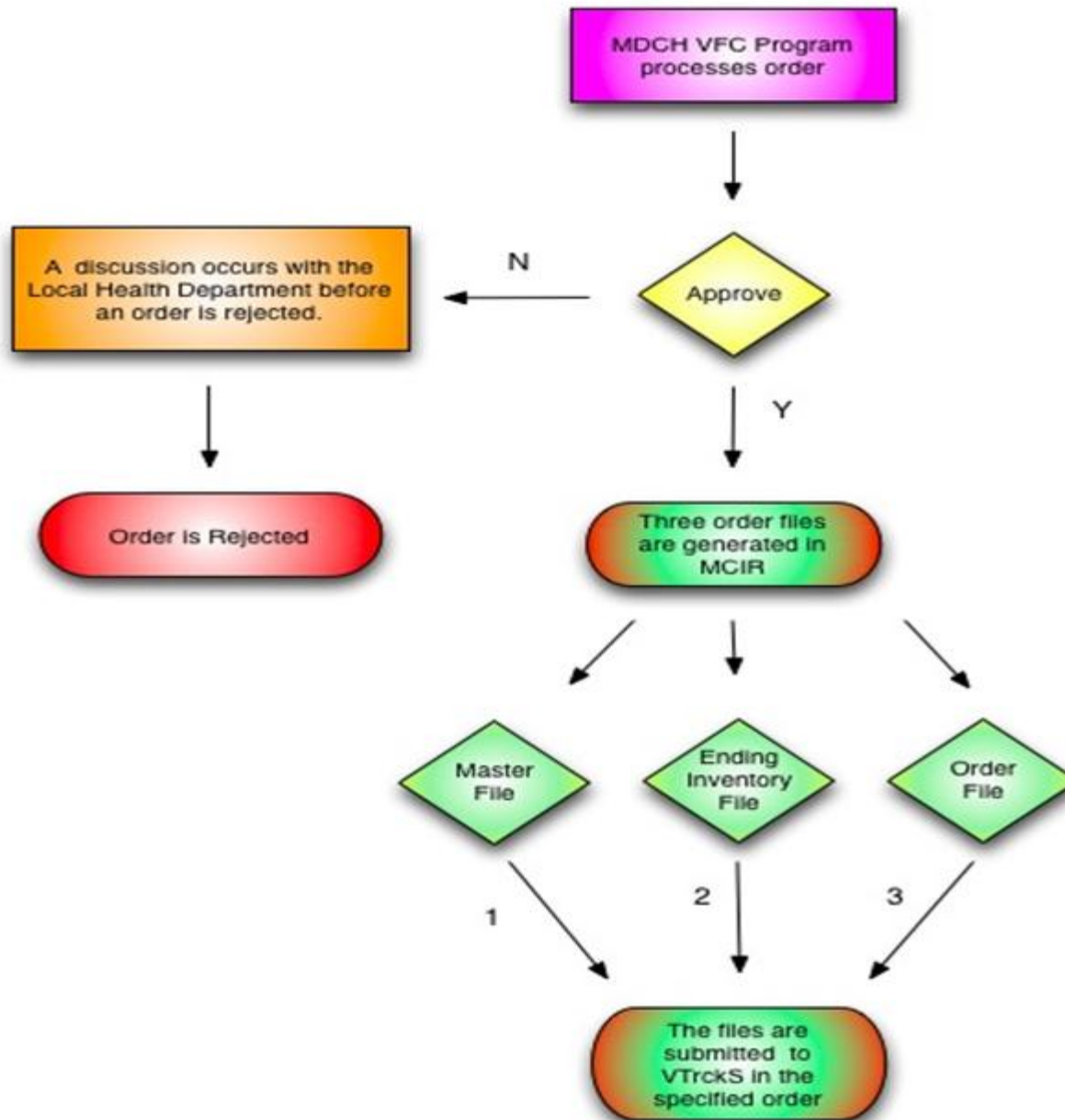
VFC Provider Workflow



Local Health Department Workflow



State Workflow



Summary of State Program Changes

- 4 year process of change.....continues
- Additional FTE brought in to support VTrckS transition (1.5 years)
- Increased emphasis on quality assurance
 - QA on vaccine orders, inventory management, storage and handling, vaccine accountability
- Ongoing learning curve for state staff on VTrckS, (VTrckS pilot, GAC, VPUG, VTrckS training, etc.) Continued development work using PPHF.
- No vaccine warehousing or distribution
- Close integration of IIS and VFC

Summary of Local and Field Changes

- Transitioned out of vaccine warehousing and distribution
- Shift in responsibilities of LHD staff, no distribution but increase QA
- Increase in work load for field and IIS staff, training and support

Summary of Provider Changes

- One system for vaccine management (IIS)
 - **Reliance on our own data and system**
- Challenges with vaccine balancing prior to placing an order
- Greater vaccine accountability at the provider level, (dose accountability)
- Increased workload on provider office

Summary of IIS Program Changes

- Shift priorities for IIS development and large cost to the program
 - 2 year development of VIM
 - 6 month development of e-ordering
 - 1 month development to VTrckS interface
 - Extended IIS support in field
- Additional .5 FTE to support IIS development
- Ongoing development and provider support

Many thanks to the hard working staff in Michigan within the VFC team and the registry team who have kept focused and worked enless hours to give us an automated vaccine management system.