

# Vaccine Ordering and Management System



Advancing Public Health Outcomes Through Information Technology

The STC Vaccine Ordering and Management System (VOMS) offers a complete vaccine management system for vaccine ordering/transferring, distribution, and accountability. The VOMS Module integrates directly with a statewide Immunization Information System (IIS). VFC provider orders and facility details are exported from VOMS for upload into the VACMAN application. VOMS includes support for the import of McKesson and VACMAN distribution files to pre-populate provider inventory upon receipt of shipment. VOMS will eventually interface with the proposed CDC VTrckS application.

➔ **Ordering** — Providers review and reconcile physical inventory with what is being reported by the application. Providers can also review doses administered during the period since their last order was placed and the projected utilization calculated by the system. Providers then place orders for vaccine offered through the state VFC Program.

➔ **Approving** — Orders can be approved by the State or a local jurisdiction intermediary. Orders can be adjusted based on available inventory. Approved orders are exported in a file to VACMAN.

➔ **Receiving** — Details of the shipment are uploaded via an import from either McKesson or VACMAN. When an order arrives at a provider's office, the shipment is compared to the inbound shipment details in VOMS. The order is accepted or reconciled. When accepted, the inventory is available for administration to patients.

➔ **Reporting** — Available reports include:

- Inventory Transaction
- Cost Report by Lot Number
- Doses Distributed versus Doses Administered
- Cold Chain Tolerance Exception

➔ **Additional features** —

- Cold Chain Management: Allows providers to record refrigerator/freezer temperatures twice daily and generate monthly temperature logs and exception reports.
- Transfers: Gives ability to account for transfer of vaccine between providers and between a provider and the state.
- Accountability: Provides a log of accountability submission requirements and date of last submissions.
- Inventory Alerts: Alerts user to inventory that is running low or about to expire, as well as inbound order/transfers.

**Create Order**

IRMS: PCIC\_SOURCE      Contact Name:

Facility:

City:

State:

Zip:

VFC Pin: 1      Instructions:

Order Date: 04/12/2007      Order Status: In Progress

Comments:

Accountability temp log report      Last Date Submitted: 04/12/2007      Past Due? No

| Vaccine   | Vaccine Info | Packaging Preference | Trade name Preference | Dose Used Last Month | Physical Inventory | Recommended Quantity | Order Quantity       |
|-----------|--------------|----------------------|-----------------------|----------------------|--------------------|----------------------|----------------------|
| MMR       |              | --select--           | --select--            | 0                    | 100                |                      | <input type="text"/> |
| IPV       |              | --select--           | --select--            | 0                    | 0                  |                      | <input type="text"/> |
| DTaP      |              | --select--           | --select--            | 0                    | 100                |                      | <input type="text"/> |
| Varicella |              | --select--           | --select--            | 0                    | 0                  |                      | <input type="text"/> |

Application Order: 1      IRMS: CLIENT\_SERVER\_INTERNAL\_IRMS\_ID

Order Number: 12345      Facility:

VFC Pin: 12345      Billing Date: 06/24/2007

Phone Number: 0000000000      Comments:

**Order Details**

| Vaccine  | Dose Used Last Month | Physical Inventory            | Recommended Quantity | Order quantity       | Lot Number | Approved/Number Received | Denial Reason |
|--|----------------------|-------------------------------|----------------------|----------------------|------------|--------------------------|---------------|
| MMR  | 20                   | 3216541150 on hand-01/01/2008 | 20                   | <input type="text"/> |            |                          | --select--    |
| IPV  | 20                   | No available lots             | 0                    | <input type="text"/> |            |                          | --select--    |
| Optionally add vaccines to order by changing order quantity: |                      |                               |                      |                      |            |                          |               |
| DTaP   | 0                    | 4563211100 on hand-01/01/2008 | 0                    | <input type="text"/> |            |                          | --select--    |
| Varicella  | 0                    | No available lots             | 0                    | <input type="text"/> |            |                          | --select--    |

**REPORT OF DOSES DISTRIBUTED VS. DOSES ADMINISTERED**

Report Criteria:       Report Date: July 26, 2007

Report Date Range: All

IRMS: STATE VFC PROGRAM

Facility: All

Funding Type: Public

Vaccines: DT (Pneumo), DTaP, DTaP, 5 pertussis antigens, DTaP-unpertussid, DTaP+Hep B/HPV, DTaP+Hb, DTaP+Hb/HPV, DTaP+HPV

Selected Total: 2

| Vaccine Type   | Doses Sent | Transferred In | Transferred Out | Other In | Other Out | Spilled & Lost | Expired | Total Not Usable | Percent Not Usable | Net Acquired | Doses Administered | Sent - Admin | Percent Used |
|----------------|------------|----------------|-----------------|----------|-----------|----------------|---------|------------------|--------------------|--------------|--------------------|--------------|--------------|
| DTaP           | 3000       | 0              | 0               | 0        | 0         | 0              | 0       | 0                | 0%                 | 3000         | 8010               | -7710        | 267%         |
| DTaP+Hep B/HPV | 8000       | 0              | 200             | 0        | 0         | 0              | 0       | 0                | 0%                 | 7800         | 15                 | 7785         | 0%           |

For more information or a demonstration, please contact:  
**Scientific Technologies Corporation**