Vaccine Administration Management System (VAMS) for COVID-19 Vaccine (Phase 1) with the Connecticut Department of Public Health (DPH)

The Centers for Disease Control and Prevention (CDC), other federal agencies, and state public health departments need real-time or near-real-time data on early mass COVID-19 vaccine administration. Operation Warp Speed leaders expect dose-level accountability—from the time vaccine leaves the manufacturer until unused vaccine is returned. CDC developed the Vaccine Administration Management System (VAMS) to meet this need.

VAMS is an easy-to-use, secure, online tool to manage vaccine administration from the time the vaccine arrives at a clinic to when it is administered to a recipient. VAMS is free for public-health-approved clinics, and can be used on computers, tablets, and other mobile devices. It is not a smartphone app, and no installation or download is required for this web-based platform.

VAMS Modules:

Jurisdictions (i.e. CT Department of Public Health (DPH)) will**:**
- Add Employers/Organizations and Clinics (can be added as organizations to facilitate vaccination for staff)
- Respond to inventory requests

Employers/Organizations can:
- Add your employer/organization information into VAMS
- Identify essential and high-priority workers who need to receive vaccine when it first becomes available
- Manually add workers
- Upload lists of these workers in a bulk format.
- Emails are sent to these workers to register in VAMS and schedule their vaccine appointment

Clinicians can:
- Manage the clinic schedule and set up separate treatment stations based on vaccinators
- Use a 2d barcode scanner to scan vaccines for inventory and document the vaccination,
- Track vaccine inventory and administration
- Check-in recipients when they arrive for their appointment
- Review recipient's medical questionnaire and consent

Recipients can:
- Register in VAMS upon receiving an email invitation
- Search for nearby vaccination clinics
- Schedule and track follow-up vaccination appointments (if applicable)
- Answer eligibility screening questions
- Receive a vaccination certificate

Select VAMS Functionality:

Module	Functionality	Description
Employer/Organization	Create Organizational Account	Complete registration and gain access to the Employer/Organization module.
	Add Employees	Add employees who will receive an email to register in VAMS.
	Manually/Bulk Upload Employees	Manually add employees. Bulk upload employees using a template.
	View Roster of Employees	View and edit the employee list.
	Access Support	Organization Point of Contact (POC) can view web-based FAQs and submit support requests within VAMS
Clinic	Clinic Administration	Register clinic location, clinic staff, and users.
	Scheduling	Set up clinic availability with the ability to cancel, modify, and/or change appointments and view vaccine inventory.
	Immunization Administration	During the appointment, verify recipient information using a QR code, process vaccine consent form, record vaccine administration, and generate vaccination certificate.
	Inventory Management	Oder and update vaccine dose inventory at the clinic using a 2D barcode scanner.
	Support	Web-based FAQs and the ability to submit requests for assistance with VAMS.
Recipient	Register Account	Register account online or using a mobile device.
	Search for Clinics/Scheduling	Search for and schedule appointments with clinics based on zip code, address, and geolocation, as well as date and time with the option to reschedule or cancel appointments.
	Notifications (Email/SMS)	Before the appointment, receive automated system notifications for confirmations and cancellations, and documents for the day of vaccination such as the vaccine information statement, vaccination consent form, and potential adverse events summary.
	Day of Vaccination/Medical History	During the appointment, review and update medical history and provide vaccination consent.
	Certificate of Vaccination	After the appointment, view and download a certificate of vaccination.

Version 1.0

Data Sharing

VAMS will be able to share near real-time data with IISs. Healthcare providers will be able to query data for electronic health records (EHRs) from the IIS. Data access will be protected and secure, with each IIS jurisdiction establishing who has access to its data.

Phase 1 System Options (VAMS or CT WiZ)

Per the COVID-19 (CoVP) Provider Agreement, within 24 hours of administering a dose of COVID-19 Vaccine and adjuvant (if applicable), your Organization must submit Vaccine-Administration Data through either (1) the immunization information system (IIS) of the state (called CT WiZ) or (2) the system designated by CDC (called VAMS). *(Exception: If you are enrolling in the COVID-19 Provider Agreement to receive a 'federal allocation', you will be set up with VAMS through your federal jurisdiction.)*

The Vaccine Administration Management System (VAMS) is a web-based computer platform with critical functionality to support Phase 1 COVID-19 vaccination in CT.

Vaccine providers participating in Phase 1 may consider opting out of VAMS and reporting directly to CT WiZ if the answer is "**YES**" to *all of the following* because you have existing capacity through other systems:

- ☐ Can you create a roster of people identified for vaccination during each priority phase (1-A or 1-B)? (Remember to consider both your own employees and additional outside groups you may be vaccinating).
- ☐ Can you contact those people identified to?
  - ☐ Notify them that they have been prioritized for the current phase of vaccination?
  - ☐ Allow them to schedule an appointment?
  - ☐ Register and pre-screen them in advance of the appointment?
- ☐ Can you electronically report doses administered via a HL7 connection (electronic interface) between your EHR and CT WiZ?
- ☐ Can you generate an electronic notification to recipients reminding them to schedule a follow up appointment?

> **If you are unable to achieve ALL the capabilities above,**
> **VAMS should be used to report COVID-19 vaccine administration to Phase 1 recipients.**
>
> **After you complete the CoVP enrollment in CT WiZ,**
> **you will receive an email with a survey link to answer the above questions.**

For the complete steps to enroll in the CoVP and VAMS training material, please visit COVID-19 Vaccine Providers