Vaccine Administration Mangement System (VAMS)

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.

Our current nationwide network of immunization information systems (IISs) cannot consistently provide real-time data, so CDC is developing 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 has four modules:

IIS jurisdictions can

- Identify employers with employees who need to be vaccinated,
- Identify sites for mass vaccination clinics, and
- Access data for analysis and reporting.

Employers/organizations can

- Identify essential and high-priority workers who need to receive vaccine when it first becomes available and
- Upload lists of these workers in a bulk format.

Clinicians can

- Scan vaccine barcodes,
- Set up customized vaccination schedules, and
- Track vaccine inventory and administration.

Vaccine recipients can

- Answer eligibility screening questions,
- Make vaccination appointments,
- Get a reminder about returning for a second dose if required, and
- Receive a vaccination certificate.

Multiple rounds of requirement assessments, demonstrations, and testing with internal and external stakeholders have informed the design of user-friendly screens and customized workflows for each type of user. CDC is developing communication materials for all key users and stakeholders, and training materials and a helpdesk will be available for all VAMS users.

Select VAMS Functionality

Module	Functionality	Description
IIS Jurisdiction	Create Jurisdiction Account	Manage users and user permissions within the jurisdiction.
	Clinic Management	Add or deactivate clinics within the jurisdiction.
	Employer/Organization Management	Add eligible employers or organizations within the jurisdiction.
	View Dashboards/Reports	View dashboards and download data related to doses administered, appointment management, inventory, and registration.
	View Vaccine Clinic Inventory Requests	Track inventory requests from clinics to assist in distributing vaccine inventory.
Employer/Organization	Create Organization Account	Complete registration and gain access to the Employer/Organization module.
	Add Employees	Add employees who will receive an email to register in VAMS.
	Bulk Upload Employees	Bulk upload employees using a template.
	View Roster of Employees	View and edit the employee list.
	Access Support	Organization 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	Order 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 within VAMS.
Vaccine 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.

Data Sharing

VAMS will be able to share near real-time data with IISs through the Immunization (IZ) Gateway. 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.

Without VAMS, it will be difficult to gather and analyze early vaccination data in a timely way. VAMS will allow real-time or near-real-time data on early COVID-19 vaccination in mass vaccination clinics. Please send questions about VAMS to iisinfo@cdc.gov.