Microsoft State & Local Government Vaccination Registration, Distribution, and Management

Friday February 5th, 2021 3:00 EST Webinar Session
Use of Microsoft’s VRAS solution is subject to Customer’s acceptance of applicable regulatory requirements."
"The challenge of a lifetime: how to get billions of Covid-19 vaccines around the world ... technology will play a vital role in ensuring the smooth execution along every step of the supply chain ... currently, no platform exists that covers all those visibility needs.”
February 3, 2021

Emerging Customer demands and insights

**Already Have...**

- ERP/Supply Chain module for Vaccine Order Management, Inventory, Shipment, Procurement
- ERP/Supply Chain module to Provide fair visibility on Vaccine Stocks
- Bespoke applications for vaccination scheduling and monitoring
- Vaccine Resident facing legacy apps
- Existing systems for managing vaccines delivery elements within their geographies

**Capability Gaps**

- Data Platform capabilities coupled with AI and Machine Learning for FAIR allocation of Vaccines
- Population Prioritization Scores with socio-Economic determinants, vulnerability and COVID impact data
- "Through Chain" monitoring of Vaccines including Primary and Secondary Distribution, Cold Chain Logistics and Vaccines Scheduling
- Data integration from siloed and bespoke applications on a common data platform
- Vaccine Validation and Fraud detection
- Demand forecasting
- Adverse patient monitoring
- Cross agency collaboration

**Technology Mapping**

**Microsoft Cloud for Healthcare**

1. **DYNAMICS**
   - CRM and Case Mgt
   - Finance and Operations
   - Supply Chain Management

3. **MODERN WORKSPACE**
   - M365 + Teams

2. **AZURE**
   - Analytics and Reporting
   - Secure Data Sharing (APIs via FHIR, HL7 and other established standards)
   - Vaccine Track & Trace with IoT
   - Data Processing
   - AI & ML

*Based on discussions with various customers in the US and abroad.*

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A successful strategy for reopening requires governments to build the public health infrastructure needed to slow the spread of COVID-19, while developing and implementing a staged plan for bringing the economy back to life.
Use of Microsoft’s VRAS solution is subject to Customer’s acceptance of applicable regulatory requirements.
Five Guiding Principles for COVID Emergency Response Solutions

1. Simple design for fast end-user adoption

2. Cloud-first, configure-first delivery approach for short implementation timelines

3. Fast data entry and business rules for standardized formatting (phone #s, email, date of birth), with Data Security (FedRAMP), Data Privacy (HIPAA and PII) and State Data Ownership

4. Deployable to any State or Local Agency and scalable to thousands of users

5. Flexible integration design (HL7, FHIR, and open API capability) and extensible platform and Identity Model to accommodate each State/Local Government specific needs and integration points

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A centralized Vaccine Registration and Administration Process that facilitates

- Resident assessment for vaccine
- Resident registration and scheduling for vaccine
- Resident reminder for 2nd dose
- Reporting of complications/ adverse effects and track it back to vaccine batch
- Phased vaccination rules allowing to sort through high-risk and offer wait list for low-risk individuals
- Provider onboarding and management
- Daily list of individuals scheduled for vaccination for Providers
- Updated Security trimming on the Front Line work canvas app
- Maintain vaccine master and vaccine batch inventory for each vaccine
- Ability to support “Pop-Up” sites by vaccine clinic administrator
- Touch-free vaccination check-in and capture data at vaccine administration
- Recording of vaccine data and connection to Vaccine Registry via HL7
- Integration with DTRA and/or other system for Test history
- Optimized Intelligent Phase Opening for vaccine administration
- Vaccine Information Sheet (VIS), Global Trade Identification Number (GTIN) scanning
- Functionality to allow for tracking shipments in VRAS

Graphical dashboards to show vaccination demographics, reported complications by vaccine batch, and others

Updated: Jan. 18, 2021
VRAS Solution Architecture

Use of Microsoft’s VRAS solution is subject to Customer’s acceptance of applicable regulatory requirements.”
VRAS Demo
Questions
Thank You

For More Information Contact your Microsoft Representative or Contact Craig Shaneck
Craig.Shaneck@microsoft.com
NACo Vaccine Management Solution Series
February 5, 2021
2:00-3:00 pm (eastern)
Reminders

- You have entered the meeting muted
- Feel free to post in the chat if you would like to ask a question or provide feedback
- NACo staff will call on you and ask you to unmute yourself and turn on your video (if it is not on)
- You may turn on your video
- Please make sure that your name is showing on your attendee list (click on .... To change/update it)
- A recording of this webinar will be available afterwards
Welcome

Blaire Bryant
NACo
Associate Legislative Director for Health

Rita Reynolds, NACo CIO
Welcome

• Vaccine Management has become an emerging issue for many counties across the United States

• NACo’s services include a series of webinars on management resources, include software solutions, as well as planning and communications will be covered over the coming weeks

• Through:
  – Webinars
  – Resource Guides
  – Online toolkit at NACo.org/covid-19

• NACo is also tracking key federal policy updates for vaccines including:
  – Expansion of vaccine supply to states
  – Launch of the Federal Retail Pharmacy Program
  – Increased FEMA reimbursements to states
The Problem

Trends:

• Emotional Environment - Internal & External
• Customer Engagement – Essential
• Most At Risk & Hardest to Reach (75+)
• Federal, State, Local, Private Entities
• Shifting Phases & Eligibility
• Constrained Supply & Complex Products
• Solutions – Late Adoption
• “Crisis Fatigue” – Staff are tired
• Disconnected / Loosely Coupled Systems
• Lifecycle of Immunizations
• Power of Data – What we have seen
• One and Done vs The Future Plan
Today’s presentation will focus on the availability of the Microsoft solution

Josh Jaquish  
Director  
Microsoft  
State & Local Government

Kim Hoffman  
Director  
Microsoft Services  
State & Local Government

John Nelson  
Sr Technology Specialist  
Microsoft  
State & Local Government
Welcome

SWITCH TO MICROSOFT
Closing

- All attendees will receive an email with the link for this recording after the close of this session.
- Information on the next webinar in this series, will be forthcoming once finalized.
- As the online resources become available, they will be posted on the NACo.org website.
- Upcoming events include
  - The NACo Legislative Conference - read more
  - The NACo CIO Forum – Save the dates March 31/April: 1:00-4:00 pm (EST)