

RSM Disease Surveillance System

Comprehensive solution built by epidemiologists
for public health departments



About RSM's disease surveillance system

Quick access to quality data is critical to an effective disease prevention and control application. The ability to accurately collect and analyze data in a timely fashion is a key part to making correct decisions regarding individual patient care and population health. To aid in this effort, RSM has developed the

Disease Surveillance System for state and county government agencies to use in connection with electronic health records, health information exchanges (HIE), laboratory information management systems and other data sources.

What we offer



Intake of laboratory results and electronic health record data is processed by an automated workflow engine to streamline user interaction. For local health staff a mobile intake application allows for screening and case investigation.



Integrated touchless technologies including connection to IoT enabled devices, QR scanning, mobile applications, and facial recognition, built using Microsoft's cognitive services.



Case investigation, contact tracing, follow-up and monitoring are linked in this end-to-end solution that automates key pieces of the process and includes real-time reports and dashboards to improve the public health response.



360° view of patients, diseases, outbreaks, and operations gives public health agencies and providers the data they need to make critical decisions and provide essential services across diseases.

How it works

Based on the Microsoft Dynamics® 365 platform, RSM's Disease Surveillance System provides scalable technology that is easy-to-use, eliminates manual, time-consuming processes and facilitates data collection, data analysis, interpretation, data dissemination and data-driven decision-making. The system can be used to track signs and symptoms of patients, and to guide public health workers through the

process of documenting additional exposures, travel history and other demographic data. Laboratory records can be entered manually or connected electronically via the health information exchange (HIE). In addition, a patient portal has been incorporated into the solution to allow the patient to self-report daily symptoms, recent contacts and more.

What our customers are saying

“The state of Hawaii has approximately 950,000 residents on Oahu eligible for services for Isolation/Quarantine stay and community support services. This system has replaced multiple spreadsheets, calls, and messaging mechanisms for sending data provided by the DOH BHA and has allowed all the guest information to be easily accessible and in one place for the first time, to better serve families and stop the spread of COVID-19.”

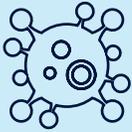
Derek Vale, Health Systems Management Office Chief, State of Hawaii Department of Health (DOH), Behavioral Health Administration, Child and Adolescent Mental Health Division (CAMHD)

Disease surveillance system



DISEASE, CLUSTER AND OUTBREAK SURVEILLANCE

Comprehensive disease surveillance capabilities for state and local level agencies. This scalable technology is easy-to-use, eliminates manual, time-consuming processes and facilitates data collection, contact tracing, surveillance and analysis and broad reporting capabilities.



CONDITION MANAGEMENT

A simpler solution to address state and county health department's immediate need to update existing case forms and new conditions as they emerge. Health departments can have a long-term state-of-the-art full-featured disease surveillance and outbreak management solution and to assist with the health department's general operations.



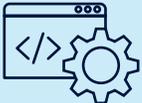
CONTACT TRACING

Full contact tracing feature set includes patient and provider portals, allowing patients to record daily symptoms into a remote home-monitoring log and providers to update and access patient records, test results and other critical data.



ISOLATION/QUARANTINE

Facility management, patient information, triage, case management and follow up related to Isolation and Quarantine are contained in a single system, allowing state and county agencies to better serve the community to stop the spread of infectious diseases.



VACCINE MANAGEMENT

Securely manage vaccine distribution, forecasting and administration at scale empowering state and county health departments to make data-driven decisions efficiently and effectively.

Why Microsoft Dynamics 365?



Modern applications that deliver new experiences and connect with businesses' existing systems to allow organization to digitally transform their own way. Applications that use mixed reality, the ability to take an application that overlays on the reality in front of users, that guides them through a business process like never before. Connect to information from social networks, mobile devices and micro-applications to drive intelligence and inform a more effective business process.

Unified data and processes that enables business without silos. Centralized data enables disparate groups to work together effectively via a single, trusted view of processes, relationships, and data. Data connectors allow thousands of systems to bring their data into a single network.

Intelligence that delivers actionable insight. Data in the new world includes social, relationship, and productivity information, in addition to insights generated by business systems. The right solution requires a unified approach that allows companies to automatically leverage their data to decide and act in real time with expanded analytics, predictive algorithms, and automated artificial intelligence.

An extensible environment that enables change. The right solution establishes a data, communication, and application environment that makes it easy to evolve and extend existing business operations, while introducing technologies that enable users to create solutions where no solution exists and to expand data analysis.

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