



# PULSE COVID

Patient Unified Lookup System for the COVID-19 Pandemic

## The Immediate Challenge: Supporting Public Health Surveillance and Providing Well-Informed Care in Non-Routine Settings

Public health authorities and clinical providers are working to:

- Improve clinical case augmentation, surveillance capabilities, and demographic data quality for known and suspected cases of COVID-19
- Provide high quality, well-informed care in non-routine care settings such as quarantine centers and other alternate care sites

## PULSE-COVID Can Be Deployed Immediately

PULSE-COVID allows verified users (e.g., public health authorities and clinical providers) to find and view electronic patient health and medication histories from across national health information exchange networks.

With a simple search on PULSE-COVID, users can access and view clinical care documents which may include medications, allergies, diagnoses, lab results, and other relevant information to augment clinical care, identify patient comorbidities, and fill in gaps tied to patient health or demographic characteristics. Users can also use PULSE-COVID to access clinical histories for patients in non-routine care settings, such as quarantine centers and other alternate care sites.

PULSE-COVID includes two user options. Providers may search for individual patient data using the clinical search portal or perform a “bulk” query for a list of individuals.



### Clinical Search Portal

Authorized and authenticated providers and emergency responders can log-in to a webpage, search for a patient, and receive a list of the patient’s clinical documents. From among the returned results, the user can view care summary documents, hospital discharge information, medication history, and other relevant information.

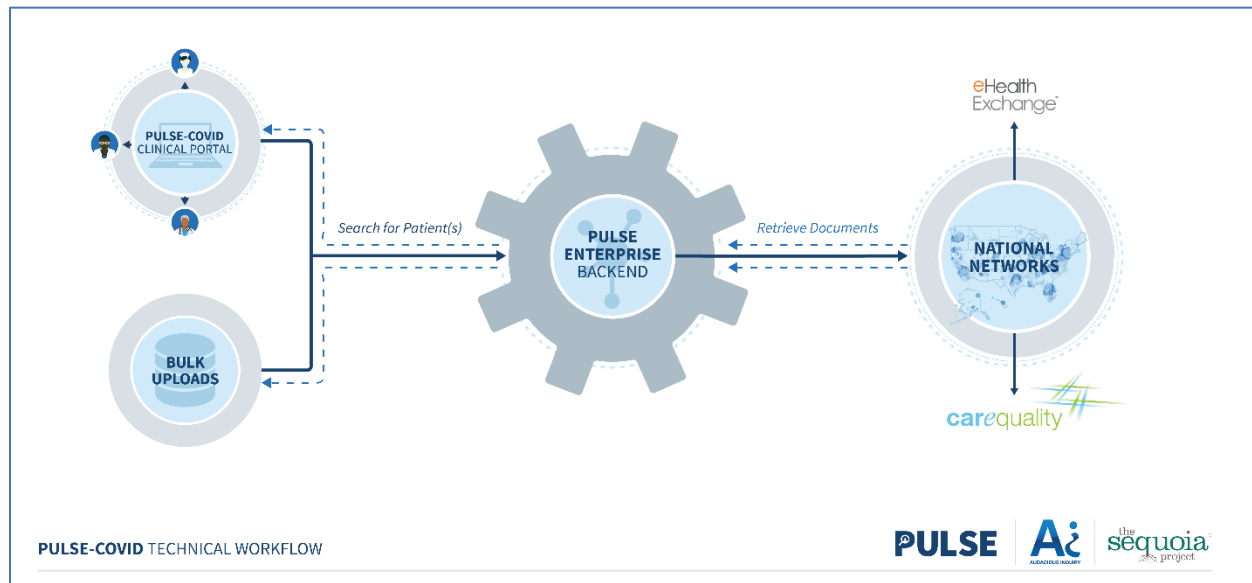


### PULSE-COVID Bulk Query Service

By submitting a spreadsheet, PULSE-COVID can gather relevant documents for tens or hundreds of individuals and return them securely to public health authorities and care providers. The list of individuals to be queried must be securely submitted to Audacious Inquiry. Retrieved documents are saved into a secure directory, organized by patient demographics and transferred back to the requesting organization.

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## About Audacious Inquiry

Ai's emergency preparedness and response technologies ensure that health care providers and public health professionals can deliver high quality, well-informed care from non-routine care settings such as shelters and alternate care sites. Our strategies also support improved epidemiology and surveillance through automated data acquisition and data management techniques.

## About The Sequoia Project

The Sequoia Project is a non-profit, 501c3, public-private collaborative chartered to advance implementation of secure, interoperable nationwide health information exchange. The Sequoia Project supports multiple, independently governed interoperability initiatives, such as the RSNA Image Sharing Validation Program and PULSE. Sequoia has also supported the successful launch and growth of the eHealth Exchange and Carequality.

## About PULSE

Ai first developed PULSE in 2014-2015 with funding from the Office of the National Coordinator for Health Information Technology (ONC) for use in California. Subsequently, Audacious Inquiry established a partnership with The Sequoia Project to provide PULSE programmatic support. This version was deployed during the 2017, 2018, and 2019 California wildfire seasons and will be deployed for use in responding to COVID-19. Ai will release PULSE Enterprise, with broader functionality and intended for nationwide scalability in June 2020.

To find out more information on PULSE-COVID, please contact:

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