

Client Objectives

To support the clinical development and launch of a new vaccine, the client sought to better understand the evolving epidemiology for lower respiratory tract infections (LRTIs) associated with respiratory syncytial virus (RSV) in infants. Previous literature had focused primarily on the inpatient setting, which was thought to represent only a small percentage of relevant patient encounters. Through this study, the client wanted to understand the number of patient encounters across care settings (outpatient, telemedicine, inpatient, etc), RSV lab test ordering patterns and results, and direct healthcare utilization metrics. In the midst of the COVID-19 pandemic, the client also needed the ability to track the dynamic epidemiology of LRTI and RSV.



CLIENT

Large pharmaceutical organization



THERAPEUTIC AREA

Infectious Disease, Pediatrics (Infant Respiratory Syncytial Virus)

Our Approach

Clinetic’s innovative research platform was used to successfully enable timely, continuous surveillance for the patient population of interest.

Claims data and other traditional real-world data sources lacked depth and timeliness to sufficiently answer the research questions. Clinetic facilitated collaboration across several large, integrated health systems to surface data insights from Electronic Health Record (EHR) data and drive study results.

Health system EHR data, refreshed and curated daily, were made available to study investigators through Clinetic’s interactive dashboards. The dashboards included daily case counts and testing patterns, and could be filtered by patient characteristics such as demographics, care setting, insurance status, and gestational age. This enabled clinical and epidemiology experts to monitor trends in near real-time and supported data analysis and publications.

Results

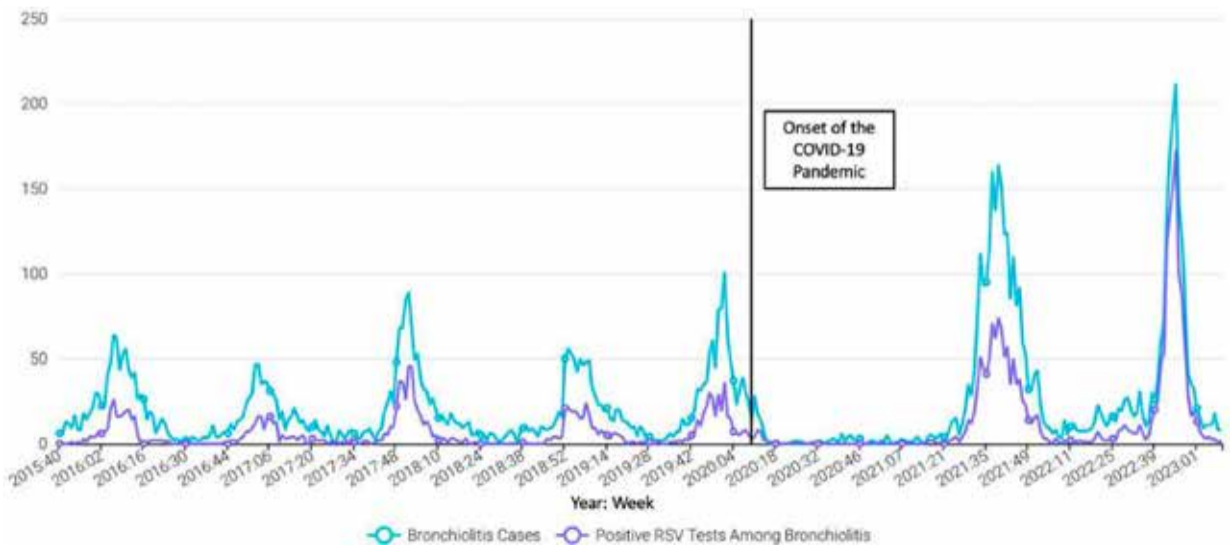
Clinetic’s platform successfully powered insights and publications in support of the launch of the new vaccine.

Over a two year period, fourteen publications were generated for dissemination at conferences and scientific peer-reviewed journals. The deep, timely insights from curated EHR data enabled investigators to describe the changing epidemiology of infant LRTI and RSV as it was happening in real time. The insights also helped better characterize particular populations and subpopulations of patients of interest, articulate the burden of disease across care settings, and understand gaps in laboratory testing.

With the new vaccine now launched, the platform continues to be used for post-market surveillance, studying post-market effectiveness, and surfacing insights to support policy decision making.



14 publications
over 2 years



Screenshots of Clinetic dashboards are being used in publications

To learn more about Clinetic, please contact sales@clineti.com