COVID-19 Vaccine App

Major City in Northeast

OVERVIEW

A major Northeast City needed to provide a custom app to allow the public to find and schedule vaccine appointments. Although it was initially created for COVID-19 vaccines, it is now used for a multitude of vaccines.

APPROACH

Stellar worked with Esri, first as prime, later as subcontractor, to develop iterative version of the apps using Agile and DevOps. The Esri-centric technology stack used by our team included ArcGIS Server, ArcGIS Online, Python, Pentaho, Survey123, Experience Builder, Esri JavaScript and REST APIs, ReactJS, and C#.

SOLUTION

The applications were developed used a common framework that is ADA compliant. The team also created custom extract, transform and load (ETL) processes that automatically pull updated vaccine availability from city and state healthcare providers, as well as private corporations e.g. CVS, Walgreens) once every minute.

RESULTS

The City was able to allow the public to find and schedule vaccine appointments. The internet-facing apps are used by the general public (over 300 million unique page views to-date). The intranet apps are used by over 20 City departments to complete their inspections and manage the City's public health response to evolving events.

STELLAR