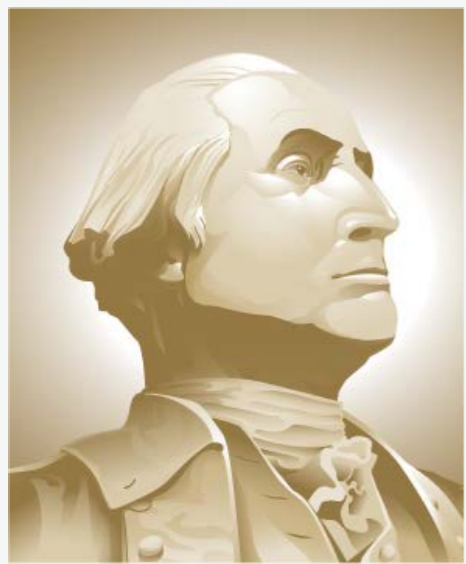


Speridian's COVID Response: Helping **George Washington University** reopen safely

COVID-19 Testing and Tracking Lab Information Management System

Key Results: "Processed 55501 Tests • 4,000 Members Tested • < 1% Positivity Rate"



THE GEORGE WASHINGTON UNIVERSITY

WASHINGTON, DC

George Washington University partnered with **Speridian Technologies** to develop a high throughput Lab Information **Management System (LIMS)** for COVID-19 testing.

Client

George Washington University established in 1821 is the largest research university in Washington, DC. The George Washington University (**GWU**) is home to approximately 70 research centers and institutes that contribute to the university's missions of discovery, scholarship and service.

Challenge

COVID-19 pandemic shut down all businesses and educational institutions in Washington D.C. and around the country. **GWU** aimed to **open safely** and **responsibly** in the fall semester of 2020 for a restricted number of students and employees. **GWU Public Health Lab (GWU PHL)** was setup and a massive testing protocol was rolled out.

GWU PHL required an **efficient** and **accurate** Lab Information Management System (LIMS) that could be scaled to process thousands of COVID-19 tests per day. Various Commercial Off The Shelf (COTS) solutions were explored however no vendor was ready to deliver a **high throughput** solution.

Speridian Technologies was selected to develop a custom solution due to its expertise with **Amazon Web Service (AWS)**, **Systems Integration** and **Custom Application Development**. Speridian Technologies committed to launching a finished and tested solution within a tight timeline of under 30 days all the while adhering to the limitations and challenges caused by the COVID-19 pandemic.



Solution

Speridian successfully developed a customized **Lab Information Management System** that met requirements and exceeded expectations.

Built on **Angular JS** and **AWS Cloud**, the custom application was designed to capture, detect, and process the selected samples to increase testing efficiency & accuracy.

Results

- User friendly interfaces
- Fast accessioning barcode scanning
- Viral testing and serology workflows
- Controls inclusion capabilities
- Integration with third-party applications
- Analytics reporting

Customer Testimonial



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“The **rapid delivery** of the LIMS solution by **Speridian** enabled us to meet timelines and launch our COVID-19 testing on schedule.”

“To date we have processed 55501 tests since the launch of the **GWU Public Health Lab** in August 2020 for approximately 4,000 members of the GWU community.”

“With the help of **Speridian’s support team** we keep the lab up and running 16 hours a day, 6 days a week. The effective testing and contact tracing have helped the university maintain a positivity rate of less than 1%.”

George Washington University – Spokesperson

Speridian’s partnership with **GWU** helped slow the spread of virus effectively and established a system to save lives and reduce healthcare costs.