The Situation

Staten Island University Hospital (SIUH) under Northwell Health partnered with Align to perform an assessment of their data center environment, develop a future state plan and lead their migration program. To do this, our team needed to establish both the current and future state of applications in scope for migration from their pouch data center to the MIT data center in Yonkers, NY before developing the larger migration program.

The Challenge

Since visibility into other infrastructure or platform initiatives at Northwell was limited, the process of identifying consolidation opportunities became more difficult. Further, there was not a central repository for vendor license statuses and, as a result, many applications had expired software and required the team to obtain quotes for new licenses by the application owners. This added on several weeks in creating the future state designs for all applications impacted.

The Solution

Align performed a brief gap analysis of a previous assessment to build future state plans and procedures for each application in scope, as well as develop roll-back and functionality testing plans. We worked closely with application owners and vendors to capture the future state of each application.

Our team also collaborated with Northwell's subject matter experts and vendors to develop the future state design and migration plan for all 123 applications discovered; performing a tech refresh of the operating system, new hosted hardware, network databases and updated the application codes; installing new equipment and leveraging Align's team of engineers to configure net new devices.

Throughout the project, the Align team:

- Created future state designs for all applications in scope
- Developed database upgrade procedures
- Implemented methods for migrating data and testing data integrity
- Estimated the cost of database (DBMS) software, operating systems, infrastructure and human resources needed for the execution phase of this project
- Developed a shared database infrastrucure for applications to share
- Installed new equipment and configured all devices

The Results

Align provided a detailed migration plan of all identifiable applications and created a solution that encompassed Physical to Virtual and Virtual to Virtual approaches. We demonstrated cost savings to the CIO and CFO through correcting and updating licensing of the applications in their profiles.

After finalizing the application profiles and future state design, the Align team delivered the migration program, which included the migration of 123 applications, decommission of servers, installation of new equipment and the configuration of all of Staten Island Univeristy Hospital's devices.