Physicians groups consist of a group of physicians that may provide services through a number of different clinics. They may also provide services within a hospital setting. When they order tests or treatments for their patients they will be performed by various ancillary departments, such as laboratory, radiology, or physical therapy departments. Each ancillary department will transmit the patient results back to the hospital or clinic that they are associated with. For a physician group that services multiple organizations this can create a complex environment of disparate systems.

In this type of environment the physicians need to have access to each of the different systems in order to view their patient results. Where the patient results are delivered and stored will depend on where the service was performed. Managing this type of environment creates a level of confusion and complexity for the physicians and their staff that can lead to delays and affect how they are able to provide patient care.

The proposed solution is to provide a single portal for the physicians that will store all of their results from any of the entities that provide their services. This will improve efficiency in the office and it will also help to avoid mistakes caused by the current need to look for information in multiple systems. Having all of the patient data in a single database will also allow the physicians group to perform statistical analysis against the data, such as providing the group a list of the most common tests that the physicians order. Such analysis again will help to improve the efficiency of the office.

The physician portal will receive the data from the disparate systems via HL7 integration methodologies, which is the common method of integration in the healthcare industry. Providing HL7 import and parsing capabilities for the physician portal will be a key component of this project. The portal itself will be developed as a web application to remove system and platform dependencies so the physicians can access their patient information from remote locations.