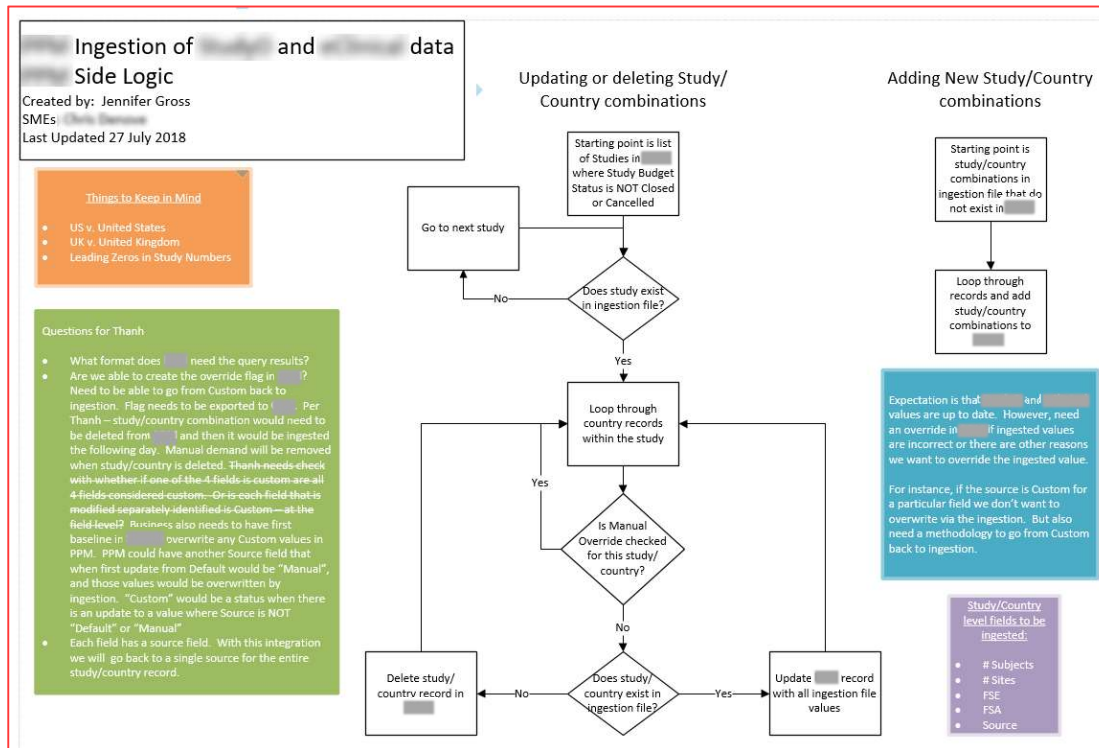


# Visualization #2



**Business Problem:** Resource Forecasting for clinical studies within a country has dependencies on the number of sites and subjects in that country. Prior to a particular milestone Resource Forecasting wants to use the number of sites and subjects that are *planned* for a country. Once that milestone has passed, Resource Forecasting wants to use the *actual* number of sites and subjects enrolled within the country.

Resource Forecasting, Study *Planning* and *Actual* Study Data are managed by three different systems each with their own database. Risk has been encountered when users are entering data to manually align the systems.

**My Role:** My leadership team had submitted a requirement to the development team for an automated ingestion of the data from the *Planning* and *Actual* systems. At first my role was to UAT the functionality. Initial UAT of the query logic to identify the data that needed to be ingested failed. I was then tasked with identifying SMEs in the source systems' data architecture to determine the proper logic for extracting the necessary data from the source systems. Though operationally stored separately, data from all three systems is ported daily to a single operational data store.

**My Process:** I reviewed query logic against each of the *Planning* and *Actual* systems as well as ERDs and data dictionaries. Through working meetings where we reviewed my questions and objectives, I worked with various SMEs to determine what logic should be used to identify the required data. The SQL query was developed by me.

As part of that process, I built out several process flows, including Current State, Future State, and the Ingestion Logic to be implemented in the Resource Forecasting system (shown here). My goal was to better equip the development team so that they could be successful in developing the ingestion.