BWFH has been a member of NSQIP since 2004, and developed automation in 2007. Since automation SCR efficiency and satisfaction increased as well as reliability. The Access NSQIP Database has evolved and grown with the changes the ACS has promoted and with a change from the legacy system in Meditech to Epic there was concern that the process would change and the SCR would revert to hand abstraction.

The concern was that rewriting the initial program would be too time consuming during the EHR implementation.

With proper time and preparation automation can be preserved.

**Initial Process**

Using Meditech BWFH was able to maintain automation from 2007 to 2015. The process was importing demographics, OR Log, and Labs into a self-developed Access Database.

The data was scrubbed and cases were selected by the SCR. Data was converted to XML and then sent up the ACS via the uploader provided by the ACS.

- Initially abstracted by hand
- Program written to push data
- Case Selection
- Automated data elements
- Sent to ACS via up loader
- Verified data

**Development**

Gaining agreement for mapping of fields from Epic to the Access database.

Attended and obtained Epic certification.

Developed a system to manipulate data while maintaining HIPPA compliance.

Validate the data once Epic went live.

Tweaked the existing Access Database allowing Epic data to follow.

Below is the Access Database Menu:

Some adjustments had to be made to the database, such as changing deleting second import, which was done for labs and has been eliminated now.

**CONCLUSIONS**

Preserving automation is worth it.

Explore what is needed for your organization.

No matter how much you pre plan, there will be hiccups with live data.

Develop a good relationship with Extract writers.

Plan lots of time for verifying the data.