



Medication Administration Reporting

The Challenge

- Aurora had trouble in the past with other companies not being able to fulfill their needs from the system.
- Aurora's EPIC interface did not currently include MAR activity.
- Aurora's Clarity database was very young.
- Clarity was not providing a solution for reporting needs faced by the client. Resources were limited to identify third party vendor solutions with interfacing capabilities.
- Report took 2.5 hours to return records.

The Solution

- Using the EPIC KB_SQL ODBC connection pointing to the Shadow/Reporting server, **create a command statement into Crystal Reports.**
- **Create an hourly text file report** for use in the Visicu system.
- **Create a dedicated server name to schedule the report on the Business Objects server** in order to activate the overnight Clarity copy that uses the Clarity database so that it didn't interfere with the overnight Clarity database copy.
- **Fix the "join" logic in the KB_SQL code** to improve performance.

The Results

- **Visicu can now receive all the MAR activity for continuous infusion medications hourly.**
- **Most current day data needs can be accomplished with the EPIC system without EPIC having to create custom code.**
- **Performance time of reports cut down to 6-8 minutes.**
- Visicu previously had no client that had been able to supply this information to their program. **They now want to use this system as a prototype for other clients.**