CQI Analytics Plus

A smart approach to infusion pump data analytics.

Baxter
Reporting for your smart infusion system—now with greater insights.

Whether assessing drug utilization, optimizing your drug library, analyzing pump-related programming errors, or improving drug library compliance, continuous quality improvement (CQI) reports can provide actionable data to help improve infusion pump medication delivery. Data from the SIGMA Spectrum Infusion System and the CQI AnalyticsPlus program from the Baxter Healthcare Corporation can bring valuable insights into some of your toughest infusion therapy concerns.

As part of the Connections Portfolio offered by Baxter’s Clinical Center of Excellence (CCOE), the CQI AnalyticsPlus program is designed to support your infusion therapy initiatives and make the most of your smart pump technology. The CQI AnalyticsPlus program can assist in turning data-driven insights into actions targeted to enhance the safety of IV pump infusions. The program offers:

- Convenient, standardized quarterly reports that allow you more time to analyze and less time filtering and compiling data.
- Baxter clinical consultant support to provide deeper insight into smart pump data so that a facility can optimize its drug library and drive clinical decisions that reflect safe drug dosing parameters and practices.
- Sustainable and timely infusion data review process to help promote patient safety.

With Baxter’s reports and the CCOE team by your side, the CQI AnalyticsPlus program helps you turn data from the SIGMA Spectrum Infusion System into measurable, continuous quality improvements (CQI).
The infusion data captured and stored from the SIGMA Spectrum Infusion System can provide insights into infusion pump practices. The CQI Analytics Plus program organizes your data into actionable reports that enable your staff to readily analyze infusion pump activity and help make quality improvement decisions.

**Turning insight into action**

**CQI Analytics Plus – Beyond the basics**

The enhanced reporting feature takes basic CQI data a step further by providing more detailed tables and charts to give you an improved picture of your infusion pump data in a more meaningful and user-friendly presentation. These compiled reports, delivered quarterly, can allow you to potentially:

- Improve CQI processes through the use of quantitative infusion data
- Understand repeated programming errors highlighted in CQI reports
- Optimize the drug library based on detailed care area information
- Develop a sustainable IV pump medication data monitoring process

**Driving continuous improvements**

Our extended service program offering includes additional infusion pump reports with an executive summary and on-site consultation with a Baxter CCOE clinician. Our experienced consultants can help you better understand how to:

- Align facility medication guidelines with infusion pump medication practices
- Streamline appropriate clinical IV pump administration practices within care areas
- Facilitate the actionable review of clinical processes with IV medication delivery standards through infusion pump data analysis

Optimize your reporting—support to help turn infusion pump data into decisions
Advanced reporting helps to facilitate infusion pump practices

- Discover trends in pump-related programming errors
- Compare results between clinical care areas and multiple sites within a healthcare system
- Identify opportunities for training
- Enhance communication between pharmacy and nursing

Our experienced clinicians are a valuable complement to yours

With extensive experience with master drug libraries and CQI reporting, Baxter’s CCOE team can help maximize the use of your infusion pump data reports, so you can discern actionable information and identify enhancement in:

- Training
- Drug library revisions/additions
Infusion Pump Events

Reports you can really respond to.

The CQI AnalyticsPlus program provides quarterly reports from the SIGMA Spectrum infusion System, prepared by a Baxter clinician, that can allow facility visualization, analysis, and reporting on infusion pump usage, patterns, programming practices, and comparison amongst hospitals within multisite health systems. In addition, reports are categorized by facility, care area, and time of day for an in-depth review. Some of the reports included are:

Infusion pump events

Infusion pump events are defined as alerts that appear during programming notifying the user that the value(s) entered exceed the dosing limits as configured for the drug. Dosing limits include SOFT and HARD for various parameters in a drug configuration. SOFT limits may be exceeded and confirmed as acceptable based on clinical judgement. This can help identify care areas where frequency of alerts may be of concern.

Drug library compliance

Better understand the opportunities for compliance improvements by reviewing the dose error reduction (DERs) compliance report with your clinical staff. It summarizes the number of infusions (both primary and secondary or piggyback) that have been programmed using either the drug library or basic mode. You can also refer to this report to identify MDL enhancements (missing drugs) and measure the progress and effectiveness of training initiatives.

Rate advisory change (single step titration)

Review how many “Rate Advisory Alerts” have occurred and see which “Rate Advisory Alerts” were confirmed or cancelled. You can use this report to identify care areas and drugs associated with a higher frequency of rate advisories.

Pump utilization

This report, which can be viewed in either DERS mode or basic mode, summarizes how many pumps were running during a given timeframe.
SIGMA Spectrum is Rx Only. For safe and proper use of this device, refer to the appropriate manual.

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