

SPECTRUM IQ INFUSION SYSTEM

Elevating Patient Protection from the Pharmacy to the Bedside

EMR integration is commonly identified as the most important step in making infusions safer and reducing adverse events. However, complexity in the user interface and time required to program can cause clinicians to bypass important safety features. That's why the **Spectrum IQ** system is designed to make bi-directional EMR integration, drug library compliance, protection for high-risk infusions, and auto-programming consistently achievable.



IMPACT OF ADVERSE DRUG EVENTS (ADEs)

1.2M PREVENTABLE ADEs PER YEAR associated with injectable medications¹

\$3.8B DIRECT MEDICAL COSTS as result of preventable ADEs¹

Preventable ADEs are associated with **AN INCREASED ADJUSTED COST OF \$3,306** plus an increased length of stay (LOS) of 3.37 days.^{1,2}



MILLIONS OF INFUSIONS UNPROTECTED

81% INDUSTRY AVERAGE for drug library compliance³

~80% OF INFUSION-RELATED DEATHS are associated with only 20 high-alert drugs⁴

75% of analyzed infusion-related errors **COULD POTENTIALLY HAVE BEEN AVERTED** with successful infusion pump integration⁵



SPECTRUM IQ: A COMPREHENSIVE APPROACH TO SAFETY



ADVANCE PUMP INTEROPERABILITY

UNIQUE ON-SCREEN BARCODE for streamlined patient/pump association, eliminating use of a sticker

SIMPLIFIED AUTO-PROGRAMMING WORKFLOWS AND FEATURE SETS with on-screen prompts to help increase successful pump association and maximize auto-programming compliance

EXCLUSIVE LINE CHECK NOTIFICATION verifies medication/pump association



MAINTAIN HIGH DRUG LIBRARY COMPLIANCE

Increasing drug library compliance by just 1% could save up to **~\$188,000** * PER YEAR⁶

*Based on 2018 KPI analysis of 87 Spectrum accounts: identified programming errors divided by average drug library compliance times average cost of an ADE.

~97% DRUG LIBRARY COMPLIANCE within 1 month of implementation with **Spectrum IQ**⁷

Through wireless updates, with no power cycling or staff interaction needed, **>90%** of **Spectrum IQ** pump fleet receives drug library updates **WITHIN 24 HOURS**⁸



PROTECT HIGH-RISK INFUSIONS

90% of pump interactions on high-alert infusions were **DOSE OR RATE CHANGES**⁹

Only **Spectrum** infusion pumps have **TITRATION ERROR PREVENTION** enabled through the Dose Rate Change feature

Spectrum IQ Dose Rate Change feature intercepts **8 POTENTIAL MED ERRORS PER DAY**,¹⁰ per hospital

Rx Only: For safe and proper use of products mentioned herein, please refer to the Instructions for Use or Operators Manual

1. Lahue BJ et al. National burden of preventable adverse drug events associated with inpatient injectable medications: *Am Health Drug Benefits*. 2012;5:413-422. 2. Hug, B. L., Keohane, C., Seger, D. L., Yoon, C., & Bates, D. W. (2012). The Costs of Adverse Drug Events in Community Hospitals. *The Joint Commission Journal*. 3. Internal Data on File. Optimizing understanding of infusion pump market: Quantitative Research Report. Baxter Healthcare Corporation, May 6, 2015. 4. Dennison RD. High-Alert Drugs: Strategies for safe I.V. Infusions. *Am Nurs Today*. 2006;1(2). <http://www.americannursetoday.com/article.aspx?id=5134>. Accessed July 2016. 5. Use of Auto-programming. [n.d.]. InforMedix Marketing Research, Inc. 6. Internal Data on file. DLC Percentage Point Analysis. Baxter Healthcare Corporation, Feb 2019. 7. Baxter Healthcare Corporation. DERS new implementation compliance data 2015. 8. Internal Data on File. Baxter Healthcare Corporation. PRMC Testimonial. 2017. 9. Data on File. Baxter Healthcare Corporation. Titration Retrospective Data, high alert medications. Infusions reported October 2014-July 2015, 6 months per facility, across 45 facilities. 10. Data on File. Baxter Healthcare Corporation. KPI analysis of pull-backs. 2018.