CHALLENGES OF MULTIPLE INFUSIONS

MEDICATION ERRORS

60% of infusions contained one or more errors. IV labeling and tubing accounted for approximately 65% of the observed mistakes.

22.6% The most frequent types of IV line errors were infusion or line mix-up.

4TH ECRI named Line Mix-Ups as #4 in their 2015 Top 10 Patient Safety Concerns for Healthcare Organizations.

40% of nurses time is spent with medication administration.

One in five Americans say they have personally experienced a medical error while receiving health care.

INFUSION CONFUSION

3% Each additional IV medication line increased the likelihood of an adverse drug event (ADE) by 3%.

Delivery of a single medication dose to an individual patient requires the correct execution of 80 to 200 individual steps.

56% IV medications have been associated with 56% of medication errors and 54% of potential ADEs.

Data from a major teaching hospital indicates that overall, 61% of the most serious and life-threatening potential ADEs are IV drug-related.

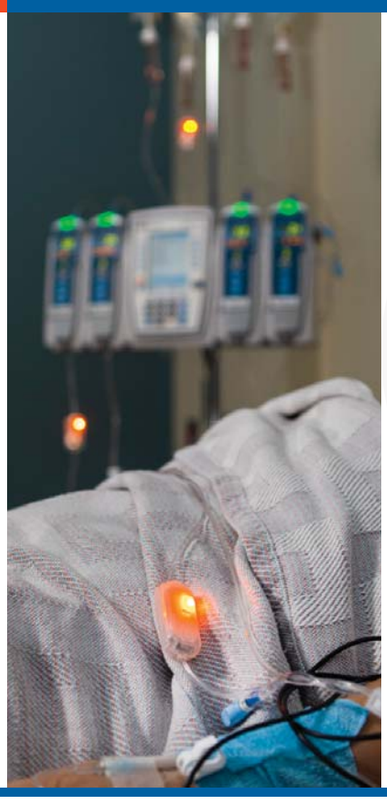
$2 Billion

Infusion-related errors are estimated to add more than $2 billion annually to U.S. healthcare costs.

CLINICAL RECOMMENDATIONS

- When the primary medication line and infusion pump are set up, primary IV tubing should be labeled at the injection port closest to the patient.
- The label should be *prominent and visually distinct* from all other labels in the environment.
- *Illuminating the infusion pathway (on demand)* to automate line-tracing can improve accuracy and efficiency.
- A *light-linking system should be bi-directional* and be located at the fluid container and near the patient connector.
- Line labels should be used when using smart pumps since the pumps alone do not improve infusion line identification.
- Physically trace each infusion line from the fluid container and verify that the patient connector is attached to the correct administration site.

MEDLITE ID SOLUTION



MedLite ID is a *bi-directional light linking labeling system* that reduces infusion confusion by *lighting the primary / emergency medication line on-demand* in three locations: at the drip chamber, primary medication injection site and the venous access catheter.

Within seconds, MedLite ID improves:

- Patient Care
- Safety
- Efficiency

MedLite ID®
Be Enlightened™

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Clinical citations available upon request

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