We provide an overview of the major I.V. smart pump user issues so that you can be better prepared to facilitate technology innovation in this important area of patient safety” Giuliano and Niemi (2015).

Extract:

More than a decade ago, the introduction of smart I.V. pumps with drug libraries and dose error reduction systems (DERS) provided a means of reducing I.V. medication infusion errors that hadn’t been previously available. However, even with the availability of smart pumps, errors continue to occur in every clinical setting.

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A 2005 study found a staggering 67% error rate with the administration of I.V. infusions on an ICU. Common sources of error include overriding of dose error alerts and, even more concerning, using basic programming to bypass the smart pump’s drug libraries and DERS completely. We provide an overview of the major I.V. smart pump user issues so that you can be better prepared to facilitate technology innovation in this important area of patient safety.

Reference:
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