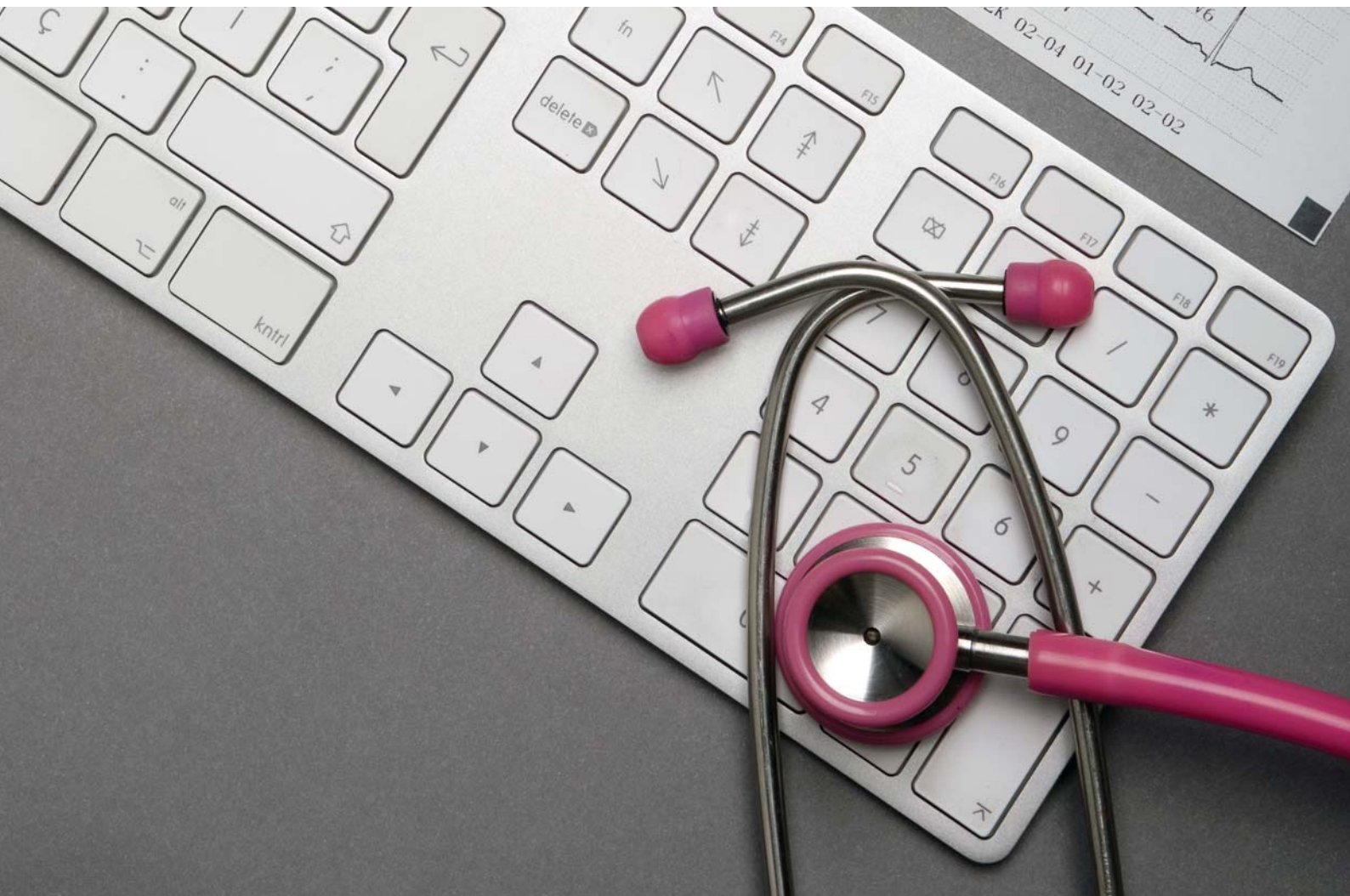


Safe Drug Administration Systems

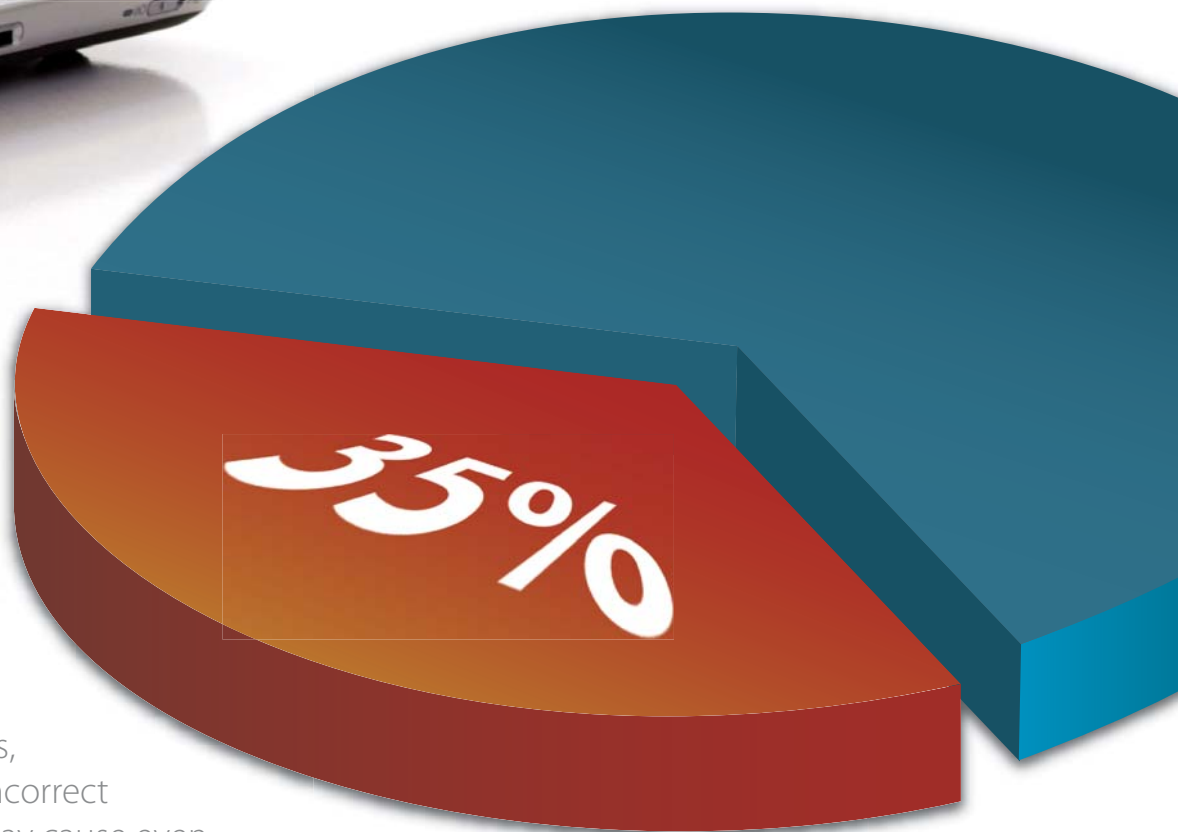
Medima Drug Editor - MedimaNet



medima



How to Reduce the Risk of Medical Incidents by Implementing the Medima Dose Error Reduction System

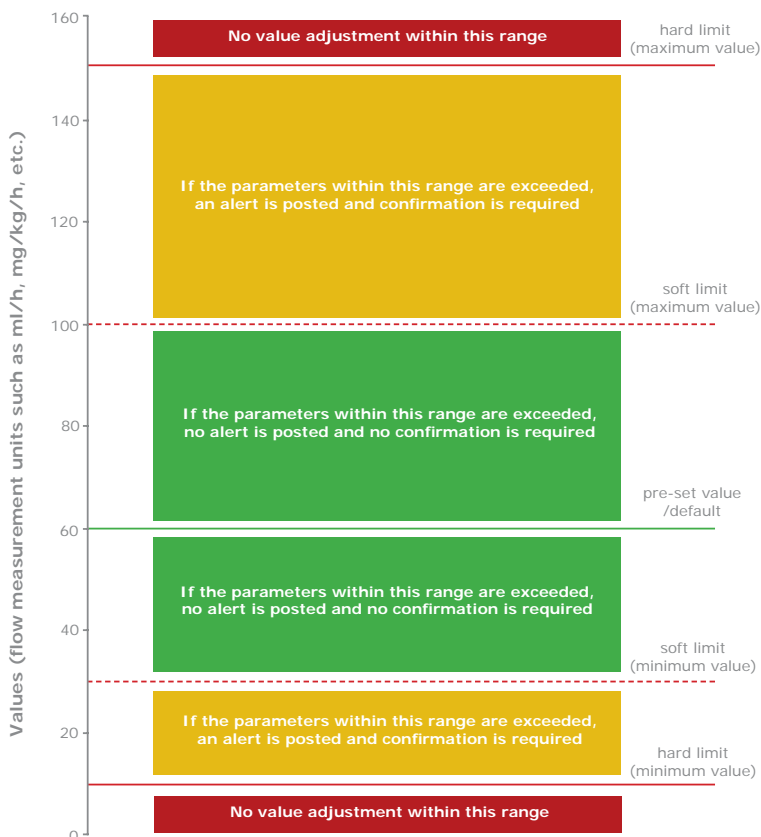


According to statistics, errors resulting from incorrect drug administration may cause even 35% of all medical incidents. This problem will grow, due to the increasing popularity of intravenous infusion pumps, particularly in instances when a number of pumps is used simultaneously for one patient. Learn how to reduce the drug infusion risk by implementing the Medima Dose Error Reduction System.

What is a Drug Library?



A drug library is a collection of dosage procedures created and adjusted to the character and requirements of a particular care area. Every dosage procedure is a recipe for correct drug administration. The recipe may define the infusion in general or detailed terms, specifying typical values for all or some infusion parameters. It should also include limits for at least the key parameters of the IV infusion. All or selected parameters can be modified within a limit predefined by doctors or protected against any modifications.



Value limits set for all or key IV infusion parameters restrict the range of their modification.

Soft limits warn when the recommended values are exceeded, but they do not restrict modifications.

Hard limits disable the introduction of any values exceeding the pre-set range. This solution considerably reduces the risk of error.

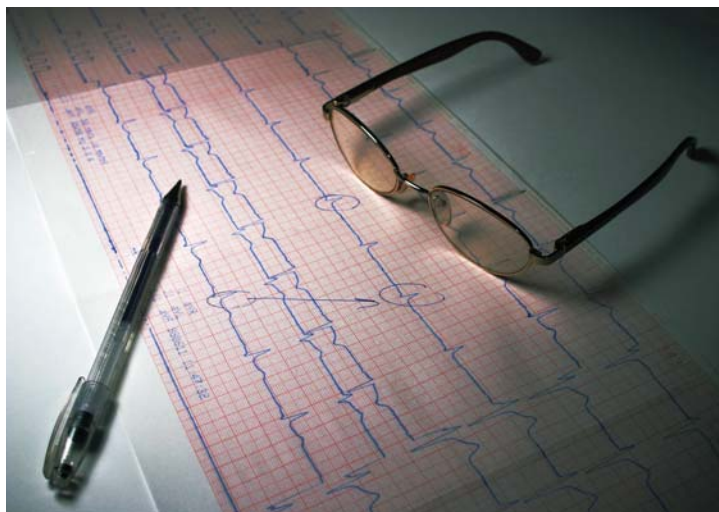
Why Use a Drug Library?

In recent years, drug administration through IV infusion pumps has become a standard in many patient care areas; many wards use sets of IV infusion pumps for a single patient. Therefore, the safe use of such devices has become a key issue, and it is necessary to manage the risk of using them for patient care.

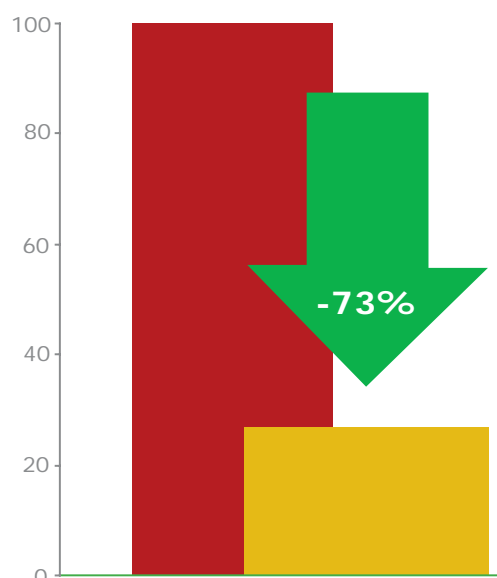
Research on improving IV infusion safety show that the dosage procedure standardization considerably reduces the chance of drug overdose resulting from personnel errors. Bodies conducting research on the causes of medical incidents confirm that the introduction of drug libraries in IV infusion pumps significantly reduced the number of overdose incidents.

The reasons for such improvement are manifold:

- Dosage “models” which are programmed in the pump, consulted and tested by a wider group of clinicians, reduce the incidence of errors. Although dosage parameters can be modified before every IV infusion, the user is provided with a safe model of administration of a selected drug.
- Value limits set for all or key infusion parameters reduce the range of modifications, warning against setting values hazardous for the patient, or banning such values.
- Before every IV infusion, the medical personnel is no more required to calculate the required drug dosage to arrive at the flow rate in ml/h. Such calculations are often a source of errors. Similarly, there is no need to estimate the dosage administered to the patient basing on the submitted drug volume, as the pump makes such calculations by itself.
- A drug library simplifies pump usage. The operator selects the drug from the list and then reviews and/or modifies dosage parameters. Infusion profiles created for the drugs allow modifications within preset limits only, eliminating possible errors.
- The pump display always shows the name of currently administered drug, which facilitates pump identification when it is an element of a large IV infusion set. Such procedure significantly reduces pump misidentification while supplying bolus, changing dosage parameters or replacing the syringe with a drug.



Drug libraries reduce the number of IV infusion errors by 73%



The Best Solution for Your Ward



Medima Drug Editor

The *Medima Drug Editor* software creates drug libraries in a simple and intuitive way. Every computer user versed in basic use of Windows will master it quickly and easily. You will grasp the basic functions in no time, learning how to create drug dosage procedures adjusted for the requirements of your wards. On request, we can supply default drug libraries based on the experience of numerous wards; following authorization, these default libraries may serve as a basis for developing your own sets of drug dosage procedures.

Medima Drug Editor is available in two versions:

- as software installed on any computer, enabling to send the drug library to any pump connected with the PC,
- as a module of the *MedimaNet* system which automatically feeds the drug library into all IV infusion pumps at your ward which are plugged into their docking stations.

Support for Hospitals

Modern technical solutions are but one of the elements increasing the safety of medical procedures. Proper personnel training is an extremely important factor of reducing the occurrence of medical incidents. Therefore, Medima is ready to meet your expectations by offering professional training courses which will teach you how to properly use modern IV infusion systems, fully exploring their potential.

As we are well aware of problems arising due to the incessant development of medical technologies, we think that it is extremely important to support the personnel in letting them understand the increasingly complex and advanced medical equipment. The proper use of electronic data processing devices can provide considerable support in your daily chores at the ward. Medima will support you not only during the installation stage, but also afterwards, when the system is in full swing.



MedimaNet

Simple and Effective IV Infusion Monitoring System

Medima offers medical IV infusion systems composed of compatible modules which are synergised by the *Medima-Net* system through a local area network LAN. In the result, you can use any PC at the ward to monitor the progress of current infusions and review all data and remarks concerning historic infusions. The access is protected by the user password. A special alert switchboard module ensures fast identification of the alert source and reason. The module provides also estimated infusion end times, which lets the personnel to get ready for operating the pumps.

In addition to that, *MedimaNet* can generate and print reports and automatically circulate approved drug libraries created with *Medima Drug Editor* software.



Date	Time	Parameter 1	Parameter 2	Parameter 3	Parameter 4
2011-07-22	14:00	10.0	10.0	10.0	10.0
2011-07-22	14:05	10.0	10.0	10.0	10.0
2011-07-22	14:10	10.0	10.0	10.0	10.0
2011-07-22	14:15	10.0	10.0	10.0	10.0
2011-07-22	14:20	10.0	10.0	10.0	10.0
2011-07-22	14:25	10.0	10.0	10.0	10.0
2011-07-22	14:30	10.0	10.0	10.0	10.0
2011-07-22	14:35	10.0	10.0	10.0	10.0
2011-07-22	14:40	10.0	10.0	10.0	10.0
2011-07-22	14:45	10.0	10.0	10.0	10.0
2011-07-22	14:50	10.0	10.0	10.0	10.0
2011-07-22	14:55	10.0	10.0	10.0	10.0
2011-07-22	15:00	10.0	10.0	10.0	10.0





Medima: Comprehensive Solutions



Medima offers IV infusion systems which provide a comprehensive solution for safe IV drug administration.

Our fully compatible products can be combined to create a variety of sets, starting from the smallest one composed of but a few elements, and ending with large systems linked with a computer network. You can start developing your system by buying a few IV infusion pumps and expand it with the passage of time, adding module by module. Medima guarantees the compatibility of all the elements of your system and provides support in planning and scaling it. Reach out today to get the technology of tomorrow

We attach particular importance to safety, reliability and simplicity of the systems. For this reason, we maintain close contacts with clinical teams which constitute a significant element of our policy. In the result, our products are better adjusted to the constantly changing requirements of the health service. We think that training courses for the medical personnel are a powerful tool which allows to explore and master the potential of medical equipment which implements an increasing number of advanced solutions based on recent achievements of the computer industry.

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INNOVATIVE ECONOMY
NATIONAL COHESION STRATEGY



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



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