FOCUS ON:
Infusion Systems
We know your choice of infusion systems represents a long-term investment in delivering safety to your patients and peace of mind to your clinicians. That’s where we can help. At ICU Medical, we are completely focused on providing innovative products and services that help you achieve your goals for safe and efficient IV medication delivery.

Our dedicated teams of clinical, IT, and professional services experts work with you to develop and deliver safe and efficient infusion systems that help you enhance patient safety, improve clinical efficiency, advance clinical and IT practices, and maximize profitability.

Connect Smarter.
Care Safer.
An integrated portfolio of IV pump technologies, informatics, and services to help you connect smarter and care safer

When you choose ICU Medical, you get an integrated platform where ICU Medical MedNet™ and our industry-leading 2018 Best in KLAS Plum 360™ and LifeCare PCA™ infusion pumps connect you to the industry’s widest array of electronic health record (EHR) partners. Our seasoned and expert support staff provide you with customized and personalized configuration, implementation, and data analytics services to complement this winning combination of infusion hardware and software and help you improve IV safety and efficiency.

Plum 360
2018 Best in KLAS winner, top-performing IV smart pump; first medical device with UL Cybersecurity Assurance Program Certification

LifeCare PCA
PCA pump providing complete IV-EHR interoperability since 2016

Interoperability
Complete IV-EHR interoperability with more vendors than anyone else

Support
Complete training and support plus executive data analytics

Versatile Drug Library

Tailored Reporting
Analytics

Industry-Leading Cybersecurity

Complete IV-EHR Interoperability
Without Plum, secondary deliveries may have an error rate as high as 48%.

Eliminate the need to raise or lower infusion containers for accurate secondary delivery

The delivery system of the Plum 360 does not rely on gravity to draw medications, so there’s no need to adjust IV container head height to assure your secondary infusions are delivered properly. In addition, the Plum 360 will alert you if a clamp is closed or if there is a tubing misconnection, further assuring accurate, timely delivery.

ICU Medical’s 2018 Best in KLAS Plum 360 infusion pump not only earned the highest rating for pump performance, but features complete IV-EHR interoperability and industry-leading cybersecurity, helping you reduce medication errors and increase patient safety.

In an environment where your infusion pumps are integrated into the patient’s record, this means that not only can you trust that your infusions are being delivered accurately and on time, but you can trust that the data in your EHR is completely correct. Data shows that 48% of all secondary infusions have a possible setup error that could be eliminated with Plum technology.

Enhance patient safety with proven IV pump technology and safety software

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Unique secondary delivery helps reduce the risk of medication errors

Eliminate the risk for secondary set errors with the unique delivery system of the Plum 360 by directly connecting the secondary line to the PlumSet™ cassette. Primary and secondary medications are infused directly from their respective containers, so each is delivered as intended, helping you improve patient safety.
Further enhance patient safety with IV-EHR interoperability that helps you reduce programming errors

Integrating your ICU Medical infusion pumps into your hospital’s EHR allows you to bypass drug errors by allowing pharmacy-validated orders to flow into the pump and populate on the screen, reducing human variability and further enhancing patient safety.

The LifeCare PCA barcode system and IV-EHR interoperability can reduce 79% of the use errors reported with PCA pumps.

The LifeCare PCA onboard barcode reader, combined with IV-EHR interoperability, addresses 79% of programming errors, giving you a significant safety benefit over any other system on the market today. An integrated door and pole clamp lock, tamper-resistant construction, smart alarms, and infusion documentation help you monitor and minimize potential opioid diversion.

Unmatched drug library compliance

With ICU Medical MedNet™ IV safety software, your programming sequence automatically starts in the drug library, ensuring compliance of 98% with Plum 360 and 100% with LifeCare PCA.

LifeCare PCA is the only PCA pump with built-in barcode identification and the first with IV-EHR interoperability.
Improve clinical efficiencies with innovative designs that enable nurses to spend more time caring for their patients

ICU Medical infusion systems empower you to improve clinical efficiencies with unique air management and the ability to concurrently deliver two compatible medications at independent rates through a single line. An integrated system can save significant time with Smart Pump Programming and Infusion Documentation, and Alarm Forwarding can help improve responsiveness and reduce alarm fatigue.

Reduce programming and documentation time to allow more time for care

By spending less time programming and documenting infusions, nurses have more time to spend caring for patients. Overall, smart pump programming has been shown to reduce the time it takes nurses to program infusion pumps by up to 25%, while LifeCare PCA automatically recognizes the medication, eliminating the need to manually select the drug from the drug library. In addition, Infusion Documentation was shown to reduce the time to document a code blue from 120 to 5 minutes.

Reduce air-in-line alarms and simplify air removal

Only the PlumSet cassette can trap up to 1 mL of air before alarming, reducing air-in-line alarms and alarm fatigue. Air can be easily removed with automated backpriming without disconnecting from the patient.

Reduce time to document a code blue from 120 minutes to 5 minutes
Choose clinical workflows that match the way you deliver care today

Unlike other infusion systems on the market today, ICU Medical doesn’t make you change your current workflows to incorporate our interoperability technology but rather, allows you to continue to work the way you want while taking advantage of the safety and efficiency of a truly connected system.

Our system is flexible enough to accommodate a variety of clinician-determined safe workflows that meet your specific needs, even letting you program infusions over a running line and accommodate drugs that aren’t in the drug library.

Take charge of alarms with alarm forwarding and better alarm management

Our integrated systems with alarm forwarding capabilities allow you to increase clinical efficiency by sorting alerts based on severity, helping you improve alarm monitoring and response.
Advance your current clinical and IT practices by implementing the latest infusion technology

Integrating IV pumps to hospital EHRs and alarm forwarding vendors is big in healthcare today. We are dedicated to providing you with IV-EHR interoperability that not only allows you to maximize the safety benefits of integration but helps you standardize your IV drug delivery practice.

At ICU Medical, we provide you with IV-EHR interoperability that incorporates Smart Pump Programming with just about any infusion type you deliver—including new bags, rate changes, titration, or secondaries with concurrent or piggyback deliveries; Infusion Documentation capabilities that ensure accurate and timely capture of infusion data; and Alarm Forwarding to enhance clinical responsiveness.

Industry-leading cybersecurity keeps your patient data safer

When you implement full IV-EHR interoperability with ICU Medical MedNet safety software, you can trust that your patient data is protected. Our cybersecurity features encrypted data at rest and in transit, while no patient IDs are stored on infusion pumps.

The Plum 360 infusion system is the first medical device to earn the UL Cybersecurity Assurance Program (UL CAP), UL 2900-1, and UL 2900-2-1 certifications, meeting the highest cybersecurity standards in the industry.

The Plum 360 is also compliant with the FIPS 140-2 standard, meeting Veterans Affairs (VA) requirements, and we actively participate in penetration testing with industry leaders to assure continued security.

ICU Medical’s cybersecurity leadership is recognized by:
Complete IV-EHR interoperability that lets you use IV pumps as an extension of your EHR to help reduce medication errors

Reduce the risk of medication errors and increase patient safety by taking advantage of all four IV-EHR interoperability essentials—Smart Pump Programming, Infusion Documentation, Alarm Forwarding, and Real-Time Location Services—with ICU Medical MedNet, turning your smart pumps into an extension of your EHR.

Only ICU Medical delivers all four IV-EHR interoperability profiles.

1. **Smart Pump Programming**
   - Increase safety by eliminating risk of programming errors
   - Reduce the number of steps and time spent programming

2. **Infusion Documentation**
   - Maximize clinical efficiency and accuracy by eliminating manual charting
   - Drive best practices and optimize critical thinking by sharing infusion data

3. **Alarm Forwarding**
   - Increase clinical efficiency and patient safety
   - Improve response to alarms and reduce alarm fatigue

4. **Real-Time Location Services**
   - Reduce time spent looking for pumps with room-level location views
   - Identify pumps for use, maintenance, or distribution with real-time status

75% of pump programming errors can be eliminated with IV-EHR interoperability.
Get full IV-EHR interoperability with the most vendors and the first interoperable PCA device

ICU Medical gives you the flexibility to enjoy the advantages of full IV-EHR interoperability across the industry’s broadest range of vendor partners—with more being added to increase choice and functionality. Add the fact that LifeCare PCA is the first PCA pump to support full IV-EHR interoperability, and you have an integrated offering that provides maximum clinical flexibility.

KLAS-recognized workflow solutions provide you complete IV-EHR interoperability with more vendors than anyone else

ICU Medical’s 2018 Best in KLAS recognition highlights our leadership and experience in IV-EHR interoperability and for the unique fluid delivery technology of the Plum 360 resulting in important workflow benefits for secondary deliveries.

We provide IV-EHR interoperability to more healthcare IT vendors than any other IV therapy company.

LifeCare PCA
IV-EHR interoperability
improved completion of charting tasks from 70% to 97%
Maximize profitability by improving revenue capture and optimizing total cost of ownership

Keeping track of infusion start and stop times for reimbursements can be a challenge. Implementing ICU Medical’s IV-EHR infusion system can help make that task easier. With automated, accurate capture of infusion start and stop times and accurately capturing CPT codes, you can minimize lost reimbursement revenues and maximize revenue capture.

You can further leverage your return on investment by optimizing your pump fleet to concurrently deliver compatible medications through a single channel and by the added value of comprehensive clinical and professional service offerings.

Maximize revenue capture by combining accurate secondary infusion data with IV-EHR interoperability

With ICU Medical MedNet IV-EHR interoperability, your ICU Medical smart pumps become an extension of your EHR, providing an accurate and efficient way for documenting start and stop times, helping you improve revenue capture and bill for the nursing time to oversee an infusion.

The Plum 360 can differentiate between primary and secondary infusion lines and deliver each as intended, alerting you if the secondary line is not infusing, helping you reduce infusion costs and chair time while ensuring that documentation is accurate.

Reduce total cost of ownership by leveraging concurrent delivery of secondaries and comprehensive professional services, including executive data analytics

The Plum 360’s unique concurrent delivery capability for two compatible medications enables you to optimize your fleet to reduce hardware costs and use lower-cost secondary (vs primary) administration sets. Our data analytics and clinical training programs help you turn your infusion pump data into actionable insights, while our multiple extended service agreement options allow you to select the plan that best fits your needs.
A commitment to exceptional ongoing technical support and clinical education

Our commitment to you doesn’t end with the purchase. We provide a dedicated support organization with a wealth of knowledge, resources, and technical training opportunities to help you maximize the value of your investment in ICU Medical products.

When you choose ICU Medical, you are choosing a true partner who will be with you every step of the way, offering:

› Best-in-class technical and clinical in-servicing
› Dedicated field service engineers available
› Personalized instructional materials