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St. Jude Medical, the third major defibrillator company, said it used “proprietary techniques” to protect the security of its implants and had not heard of any unauthorized or illegal manipulation of them.

[B. Feder, “A Heart Device Is Found Vulnerable to Hacker Attacks” NY Times, March 12, 2008]

Learn better ways to measure medical device security.

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“We spend considerable efforts...so that we can confirm that nothing has been compromised.”
-Janine Hansen, Senior Director of Quality Assurance and Regulatory Affairs, Cardiac Science

“We typically don't experience the type of viruses that are being referred to, or any type of viruses, for that matter.”
-Peter Ohanian, VP of Quality & Regulatory Affairs, Philips Healthcare
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What’s wrong with this user interface for a wirelessly controlled, implanted drug infusion pump that led to a patient death?
Turn over for answer.
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The original UI did not label the hours, minutes, seconds field for the bolus duration. HCP mistakes minutes for hours. 60x overdose. Outcome: death.

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