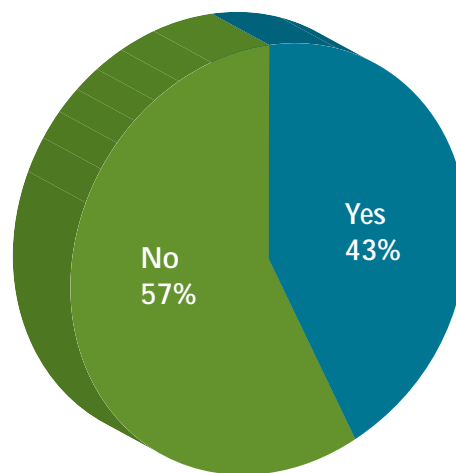




# Smart Pumps

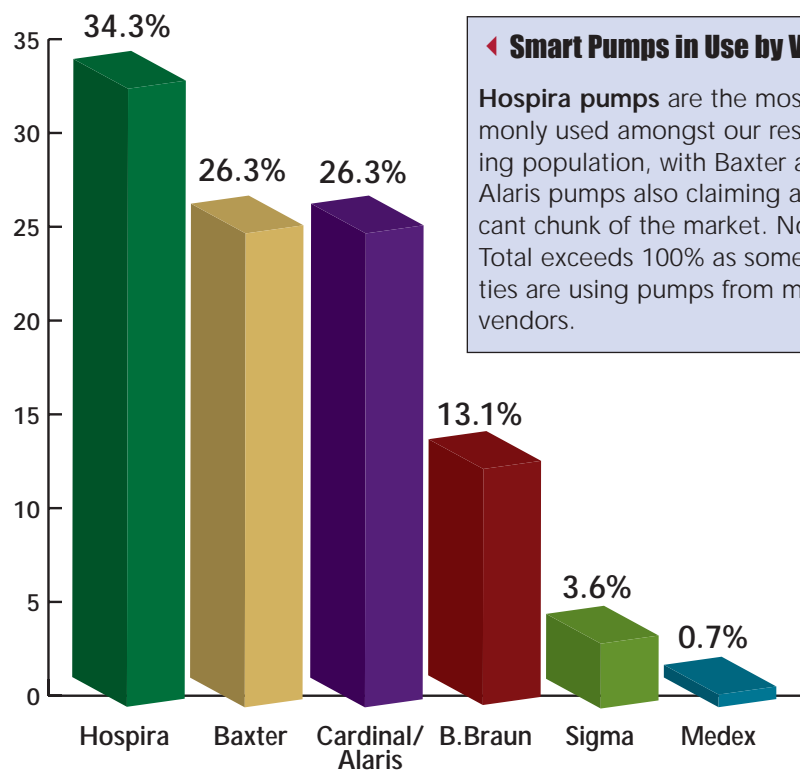
**Smart pump technology** shows great promise for growth: 43% of pharmacies have adopted smart pumps and a vast majority plan to follow suit. Satisfaction with smart pumps is very high, with 94.2% of users reporting satisfaction. However, those without wireless data transfer capabilities are dissatisfied with their data collection methods, suggesting a need for more facilities to move toward wireless data transfer methods. Furthermore, only 11.5% of respondents report that their smart pumps are linked to a bar coded medication administration system. Note: Smart ambulatory infusion pumps were not included in this survey.

For more information on smart pump vendors, circle reader service number 922 or visit [www.findit.pppmag.com](http://www.findit.pppmag.com).



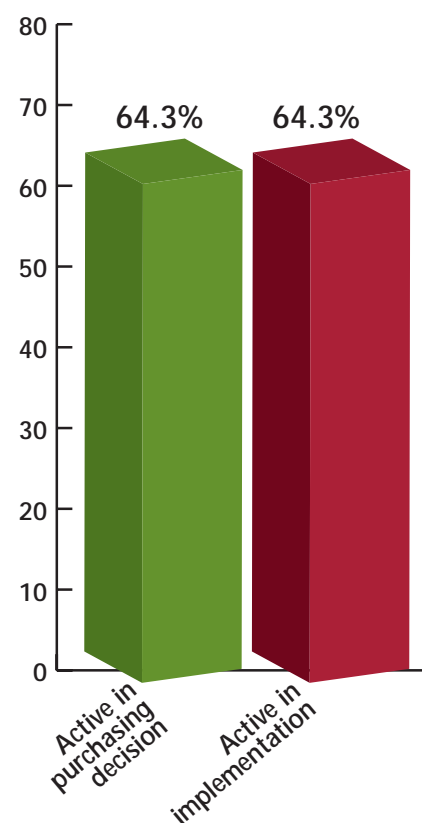
### Smart Pump Adoption

Smart pump adoption continues to grow with 43% of facilities reporting implementations, up from 41.4% last year.



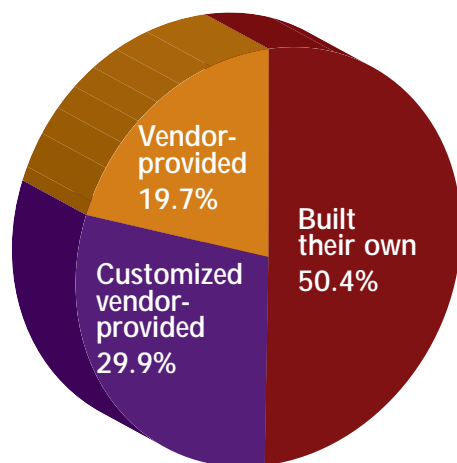
### Smart Pumps in Use by Vendor

Hospira pumps are the most commonly used amongst our responding population, with Baxter and Alaris pumps also claiming a significant chunk of the market. Note: Total exceeds 100% as some facilities are using pumps from multiple vendors.



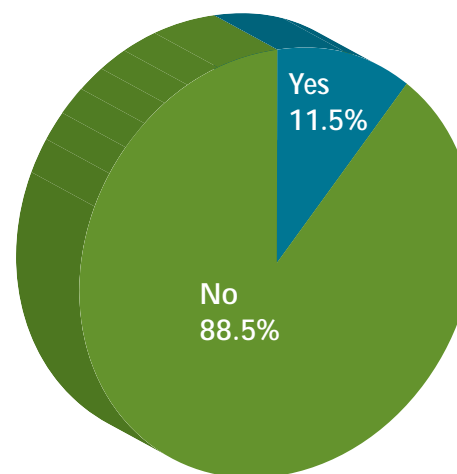
### Pharmacy's Role in Smart Pumps Purchases and Implementation

A majority of respondents were active both in the purchase and implementation of their facility's smart pumps.



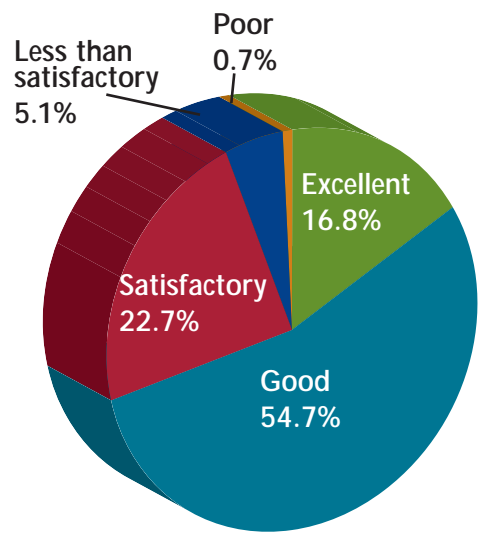
### Smart Pump Drug Libraries

Over half of the responding group built their own drug libraries for their smart pumps, with nearly 30% using a customized vendor-built database. Those using a "canned" vendor library are in the minority.

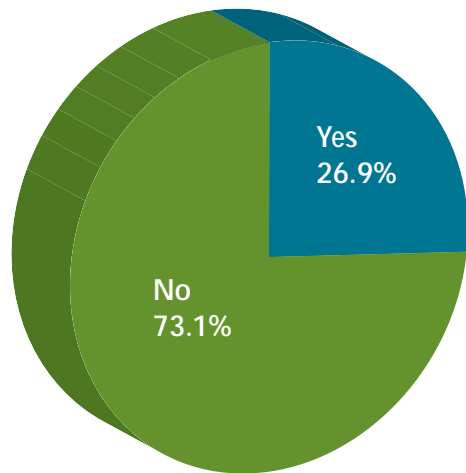


### Smart Pumps Linked to Bar Coded Medication Administration Systems

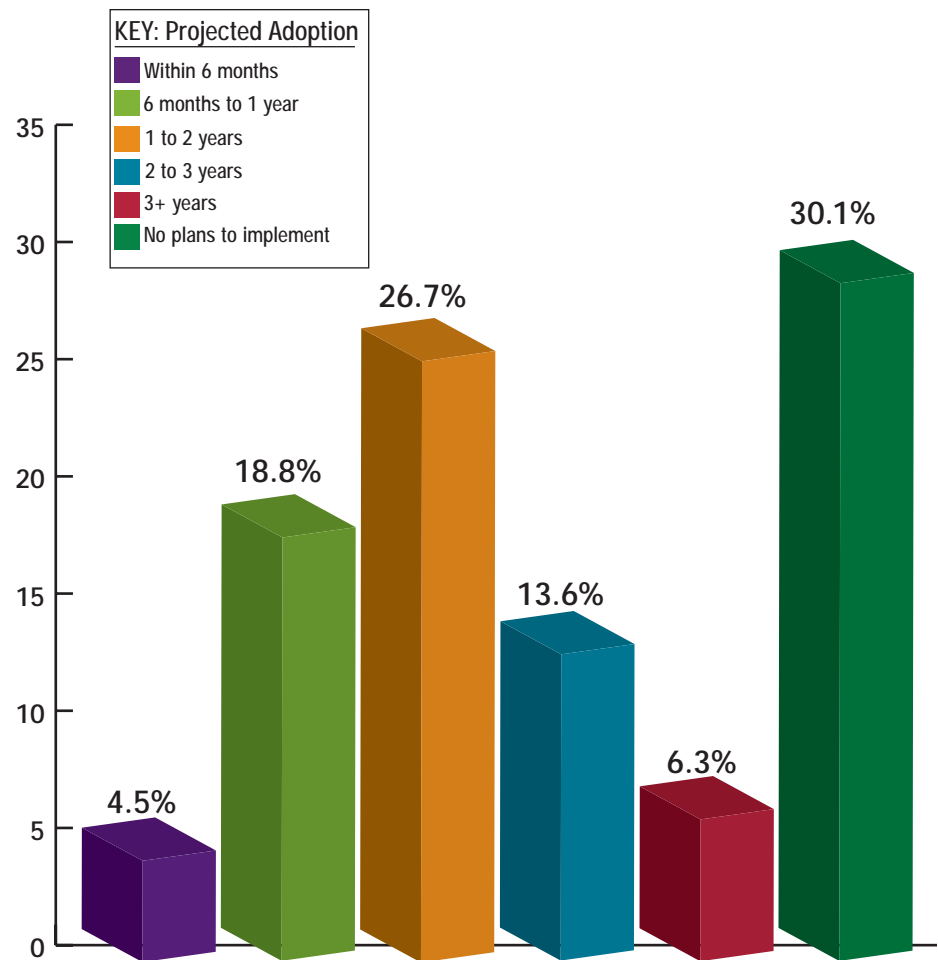
A small minority (11.5%) have taken the next step and linked their pumps to their BCMA systems. It will be interesting to watch future growth in this area as pump usage becomes more sophisticated.



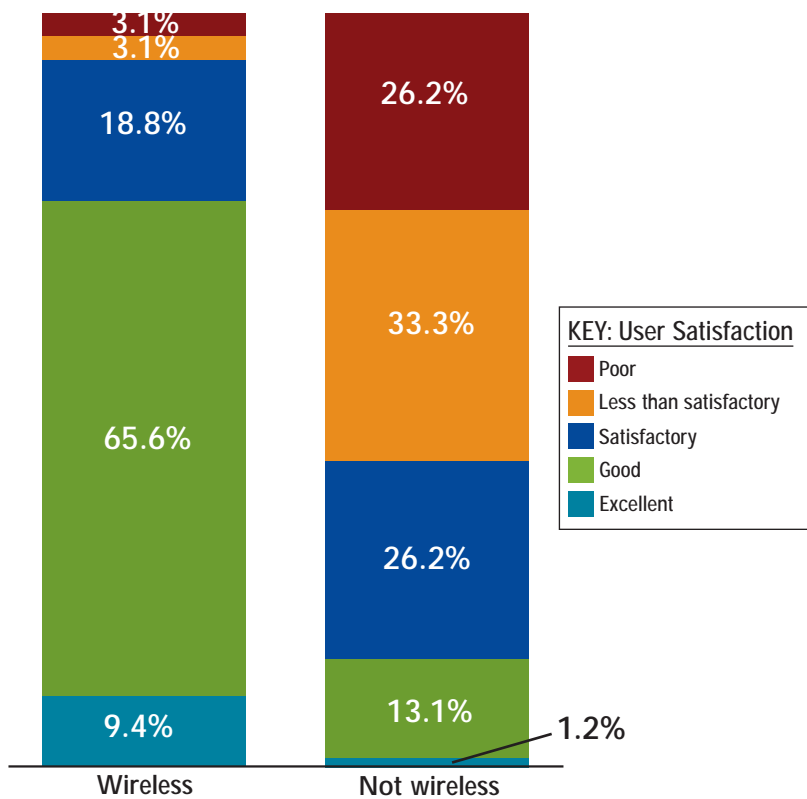
**Level of User Satisfaction**  
 An overwhelming majority (94.2%) of smart pump users are satisfied with their systems, with 71.5% rating them "good" or "excellent."



**Data Transferred via a Wireless Connection**  
 Most facilities (73.1%) are not yet transferring data to and from their smart pumps via a wireless connection.

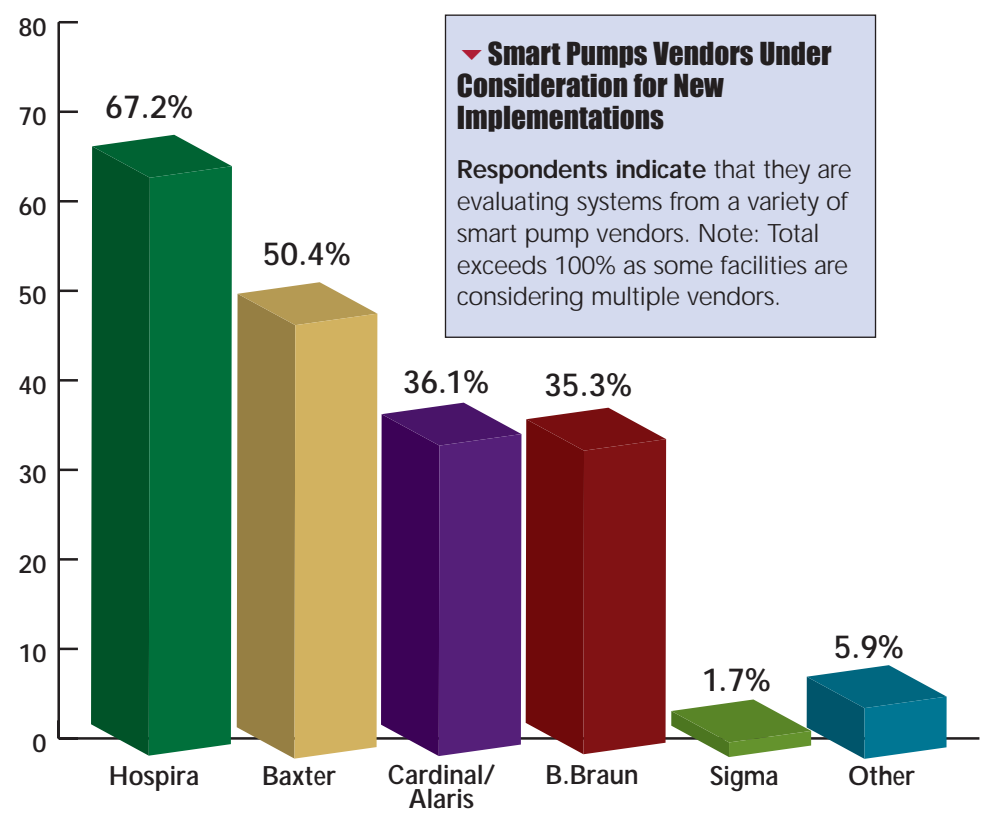


**Projected Adoption of Smart Pumps**  
 With 69.9% of facilities without smart pumps planning to implement them in the foreseeable future, a significant uptake in purchasing activity in this marketplace is likely. Furthermore, of that group, half expect to implement smart pumps within the next two years.



**KEY: User Satisfaction**  
 Poor  
 Less than satisfactory  
 Satisfactory  
 Good  
 Excellent

**User Satisfaction With Data Collection by Data Transfer Methods**  
 There is a strong correlation between pump users' satisfaction with data collection methods and the use of a wireless connection to transfer that data. Facilities transferring the data wirelessly report a notably high satisfaction rate of 93.8%. However, the satisfaction rate tumbles to 40.5% for facilities not using wireless data transfer methods.



**Smart Pumps Vendors Under Consideration for New Implementations**  
 Respondents indicate that they are evaluating systems from a variety of smart pump vendors. Note: Total exceeds 100% as some facilities are considering multiple vendors.