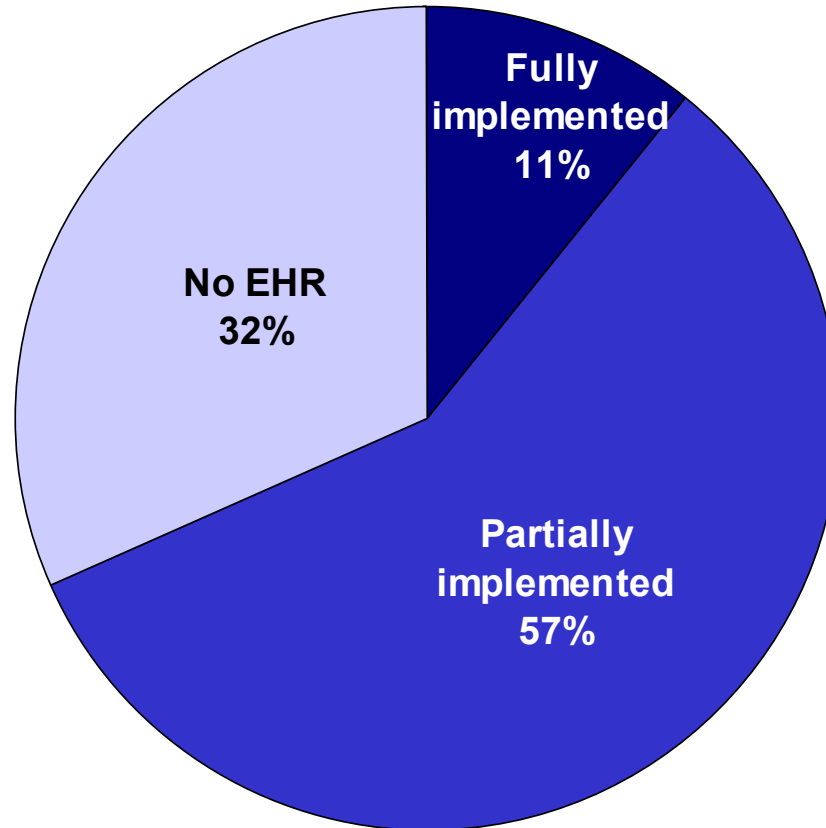


# More than two-thirds of hospitals had fully or partially implemented EHRs

Percent of hospitals reporting EHRs\*, 2006

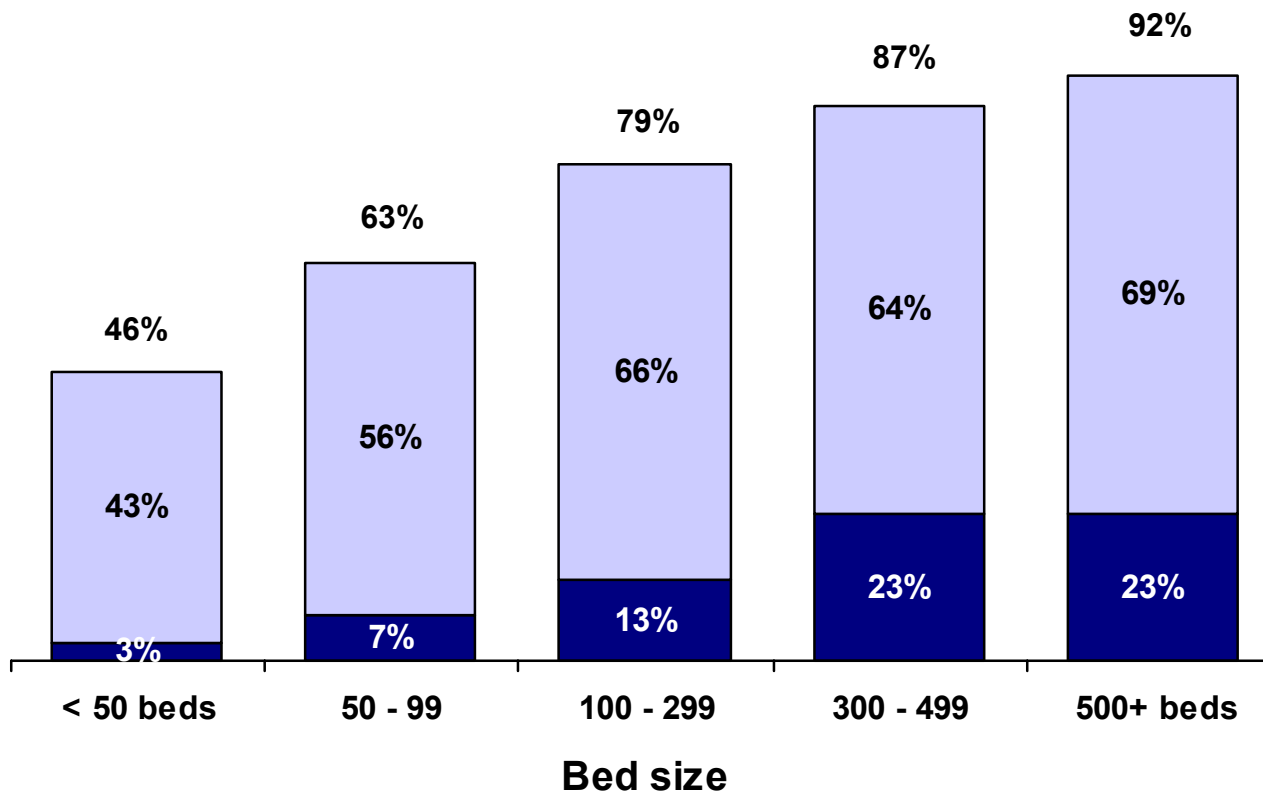


An EHR integrates electronically originated and maintained patient-level clinical health information, derived from multiple sources, into one point of access. An EHR replaces the paper medical record as the primary source of patient information.

\*Note: This question was first asked in 2006. No trend data are available.

# Larger hospitals more likely to have EHRs than smaller hospitals

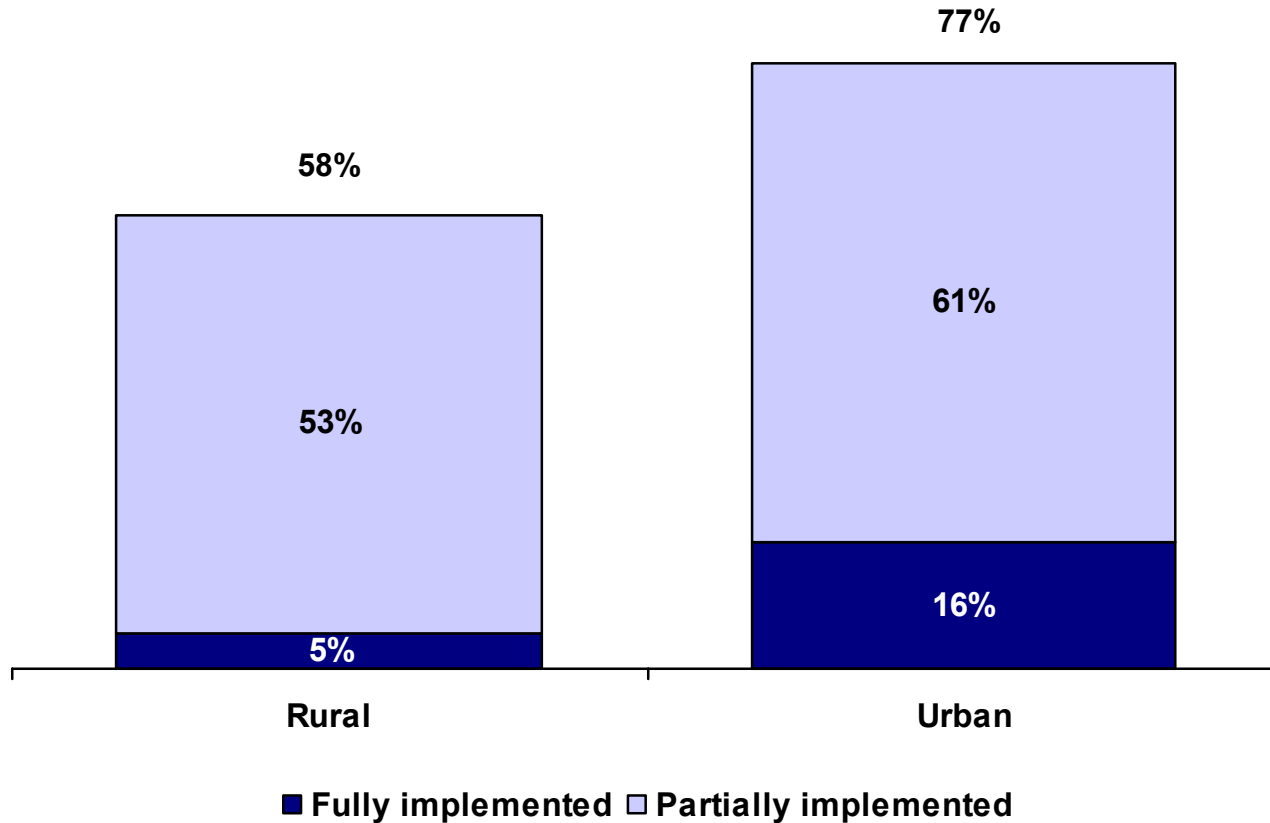
Percent of hospitals reporting EHRs by bed size, 2006



■ Fully implemented □ Partially implemented

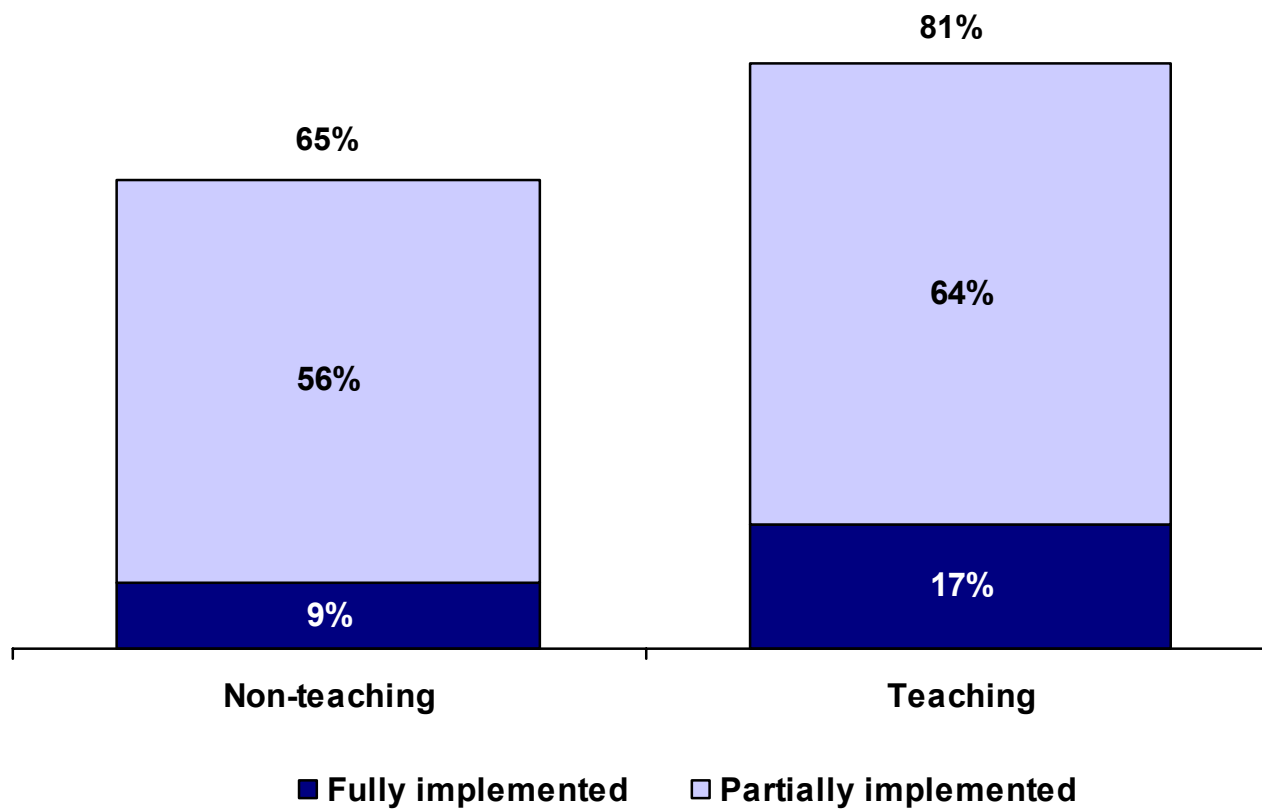
# Urban hospitals more likely to have EHRs than their rural counterparts

Percent of hospitals reporting EHRs by location, 2006



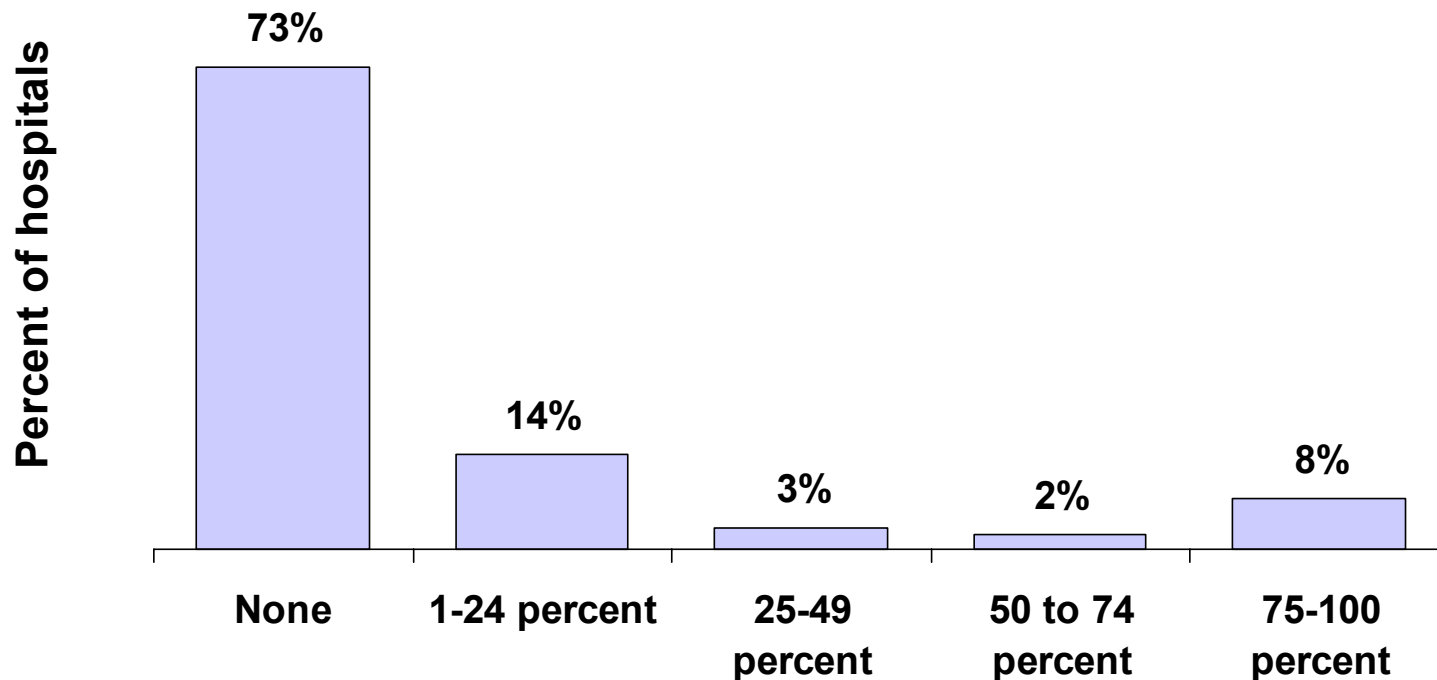
# Teaching hospitals more likely to have EHRs than their non-teaching counterparts

Percent of hospitals reporting EHRs by teaching status, 2006



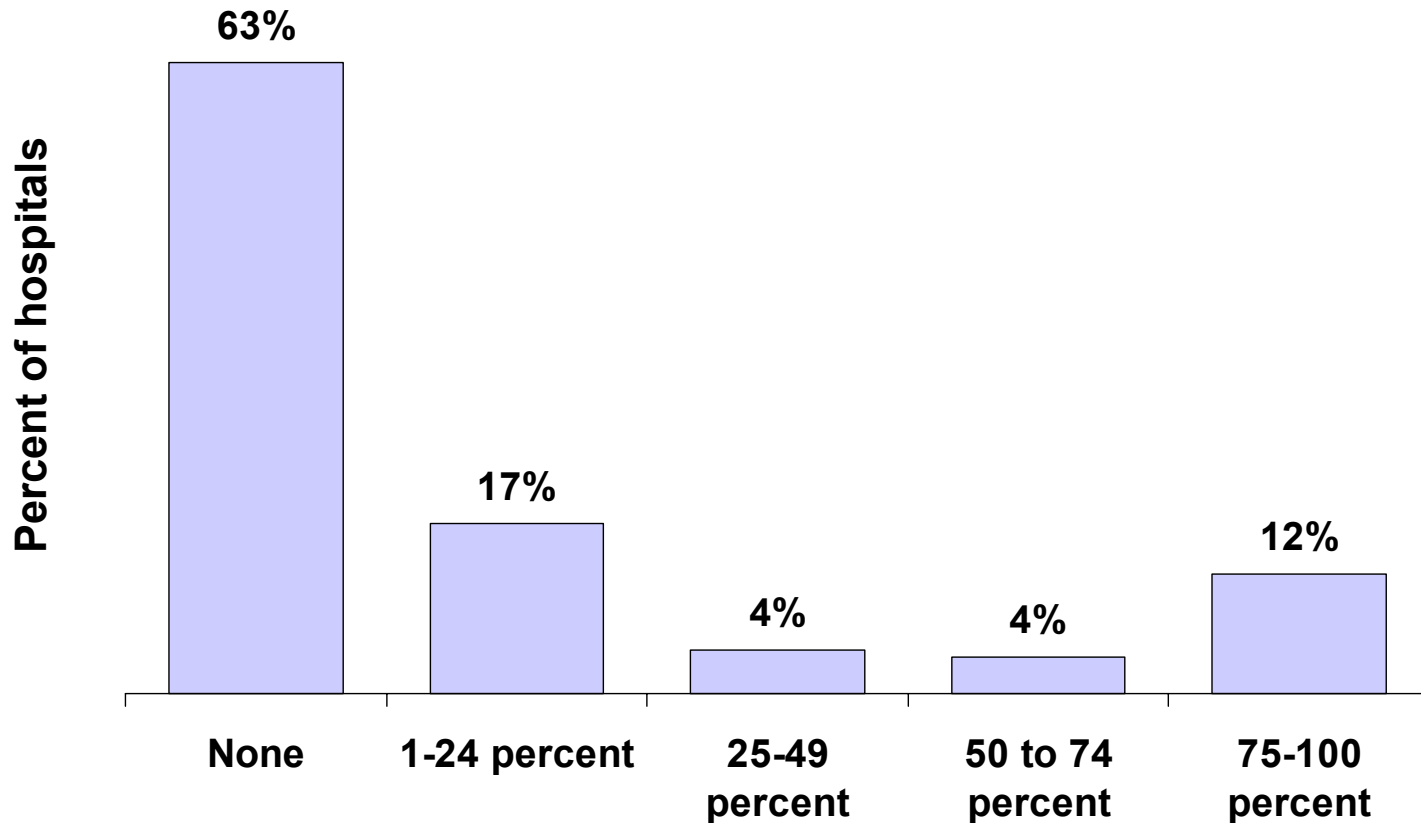
# In 10 percent of hospitals, more than half of treating physicians routinely ordered medications electronically

Share of physicians ordering medications electronically,  
2006



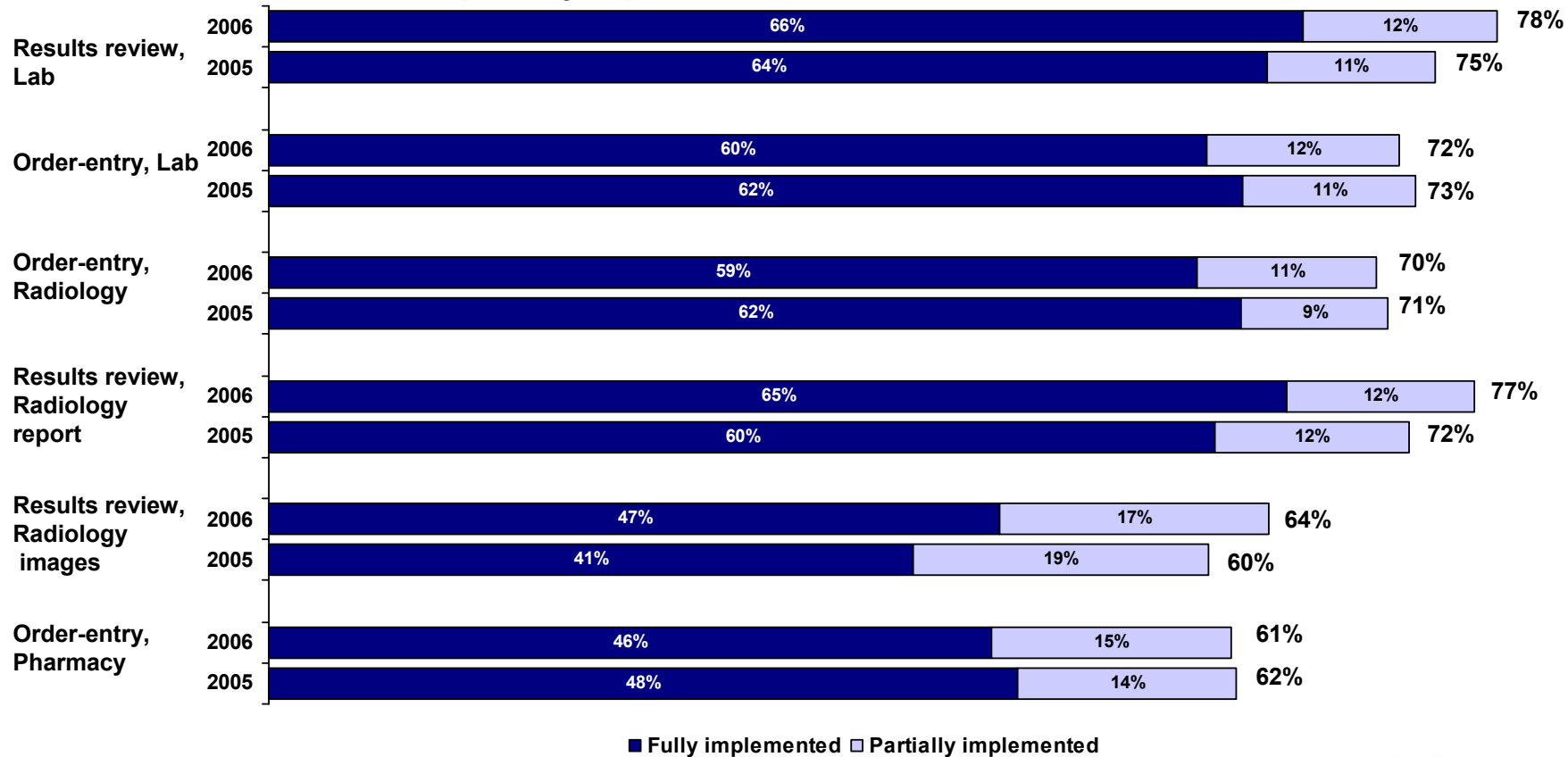
# In 16 percent of hospitals, more than half of treating physicians routinely ordered tests electronically

Share of physicians ordering tests electronically, 2006



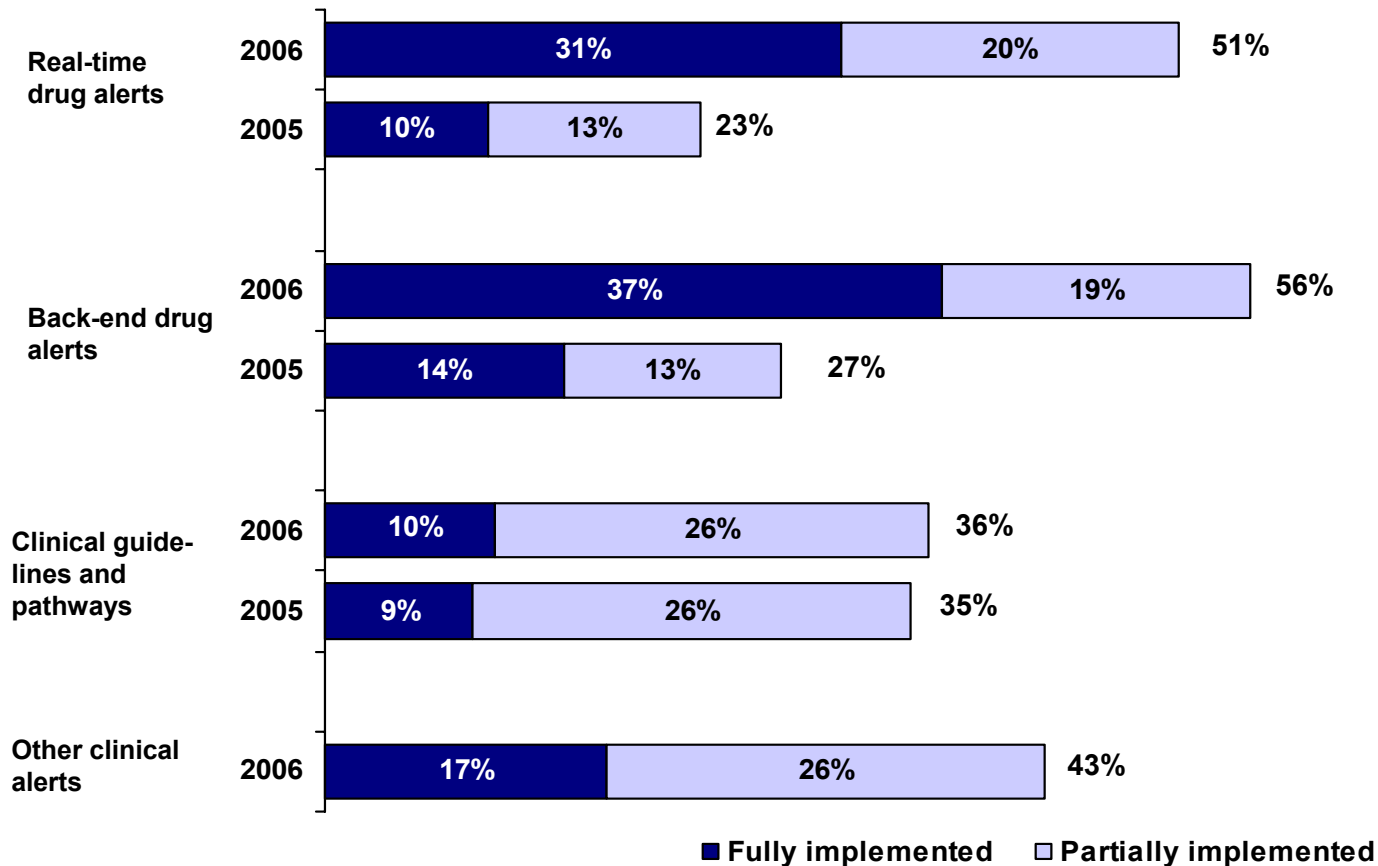
# Hospitals used many electronic laboratory, radiology, and pharmacy functions

Percent of hospitals reporting that they have fully or partially implemented various clinical IT functions



# Hospitals increased use of decision-support functions

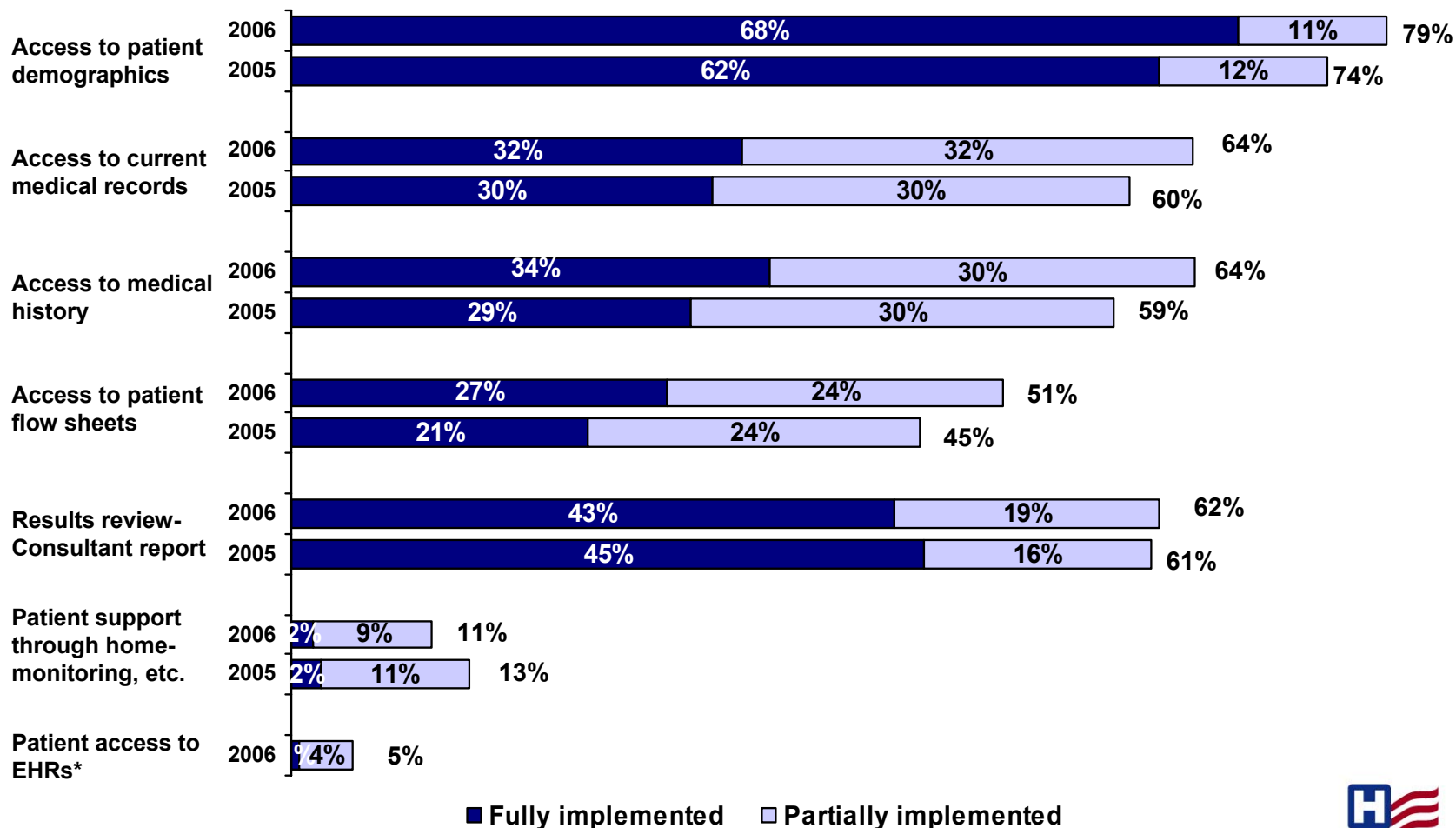
Percent of hospitals reporting that they have fully or partially implemented various decision-support functions





# Hospitals increased use of electronic record management functions

Percent of hospitals reporting that they had fully or partially implemented various EHR functions



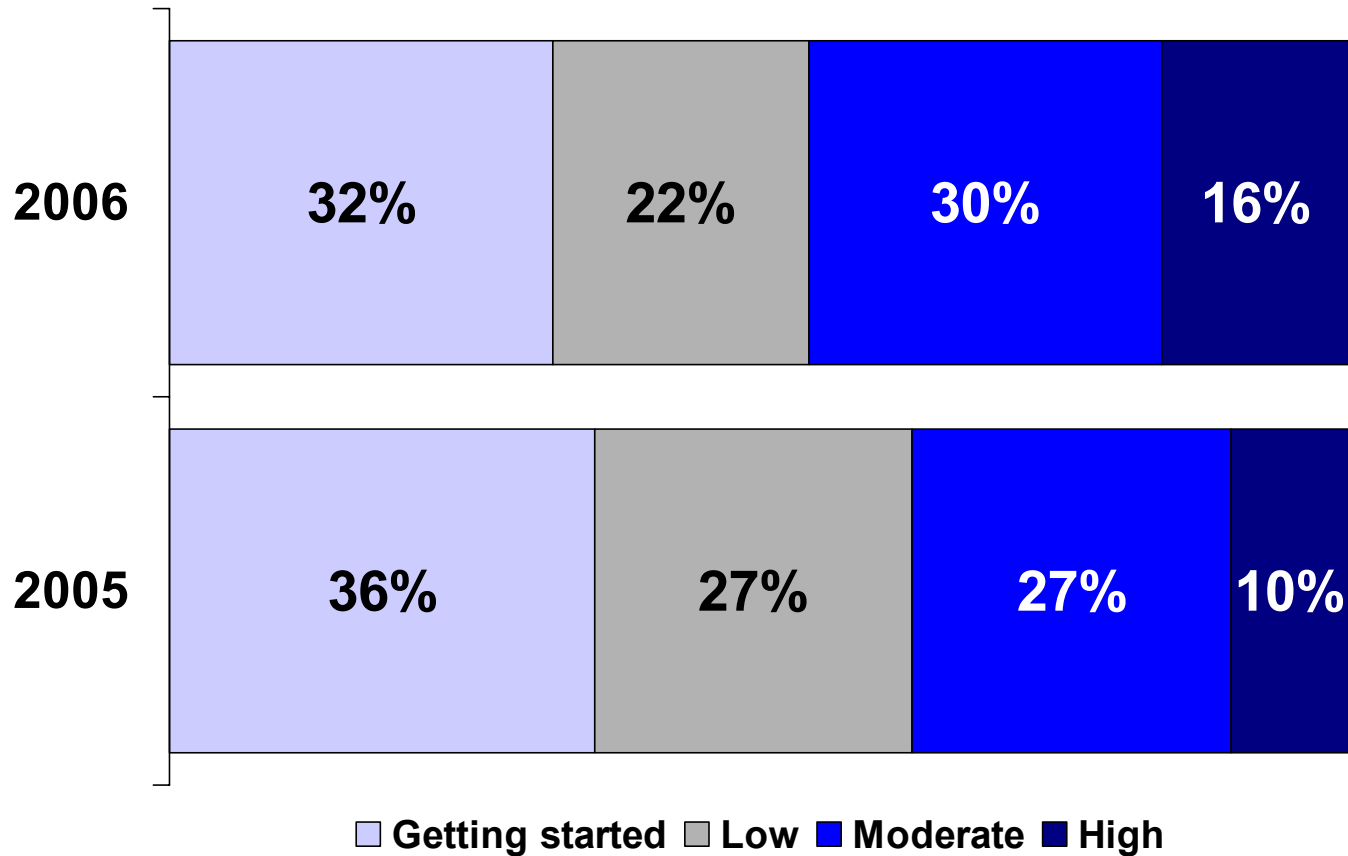
\*Note: This question was first asked in 2006.

# Spectrum of health IT use

Level of Use	<p style="text-align: center;"><b><u>Getting Starting</u></b></p> <p style="text-align: center;">0-3 Functions (0-25%)</p> <p style="text-align: center;">Fully Implemented</p>	<p style="text-align: center;"><b><u>Low</u></b></p> <p style="text-align: center;">4-7 Functions (26-50%)</p> <p style="text-align: center;">Fully Implemented</p>	<p style="text-align: center;"><b><u>Moderate</u></b></p> <p style="text-align: center;">8-11 Functions (51-75%)</p> <p style="text-align: center;">Fully Implemented</p>	<p style="text-align: center;"><b><u>High</u></b></p> <p style="text-align: center;">12-15 Functions (76-100%)</p> <p style="text-align: center;">Fully Implemented</p>
Functions	<ul style="list-style-type: none"> <li>•Access to current medical records</li> <li>•Access to medical history</li> <li>•Access to patient flow sheets</li> <li>•Access to patient demographics</li> <li>•Order-entry – lab</li> <li>•Results review – lab</li> </ul>	<ul style="list-style-type: none"> <li>•Order-entry - radiology</li> <li>•Results review - radiology images (incl. PACS)</li> <li>•Results review - radiology report</li> <li>•Results review - consultant report</li> <li>•Order-entry – pharmacy</li> </ul>		<ul style="list-style-type: none"> <li>•Real time drug interaction alerts</li> <li>•Back-end drug interaction alerts</li> <li>•Clinical guidelines and pathways</li> <li>•Patient support through home monitoring, self-testing, and interactive patient education</li> </ul>

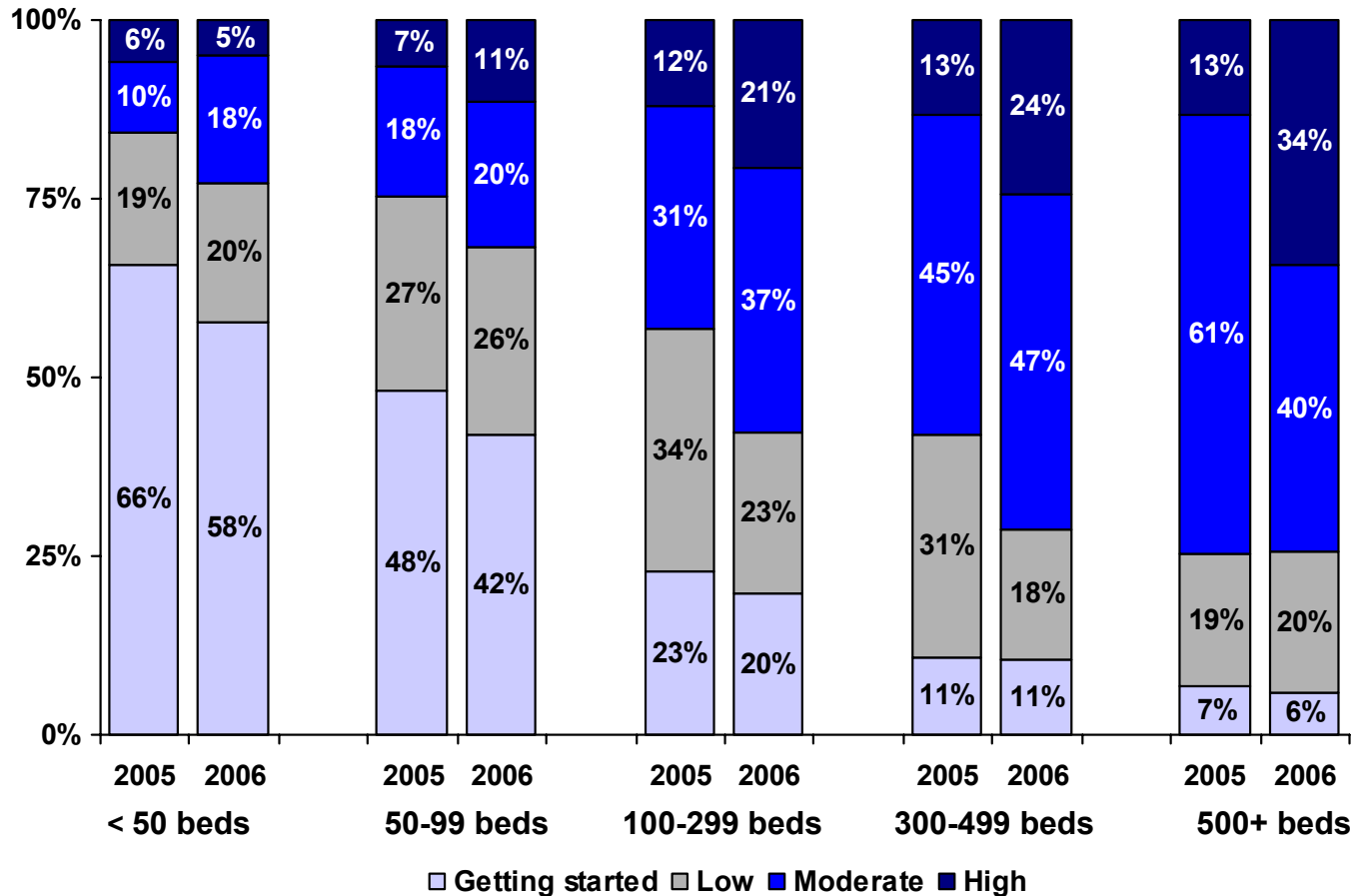
# Hospitals used more health IT in 2006

Distribution of hospitals by level of health IT use



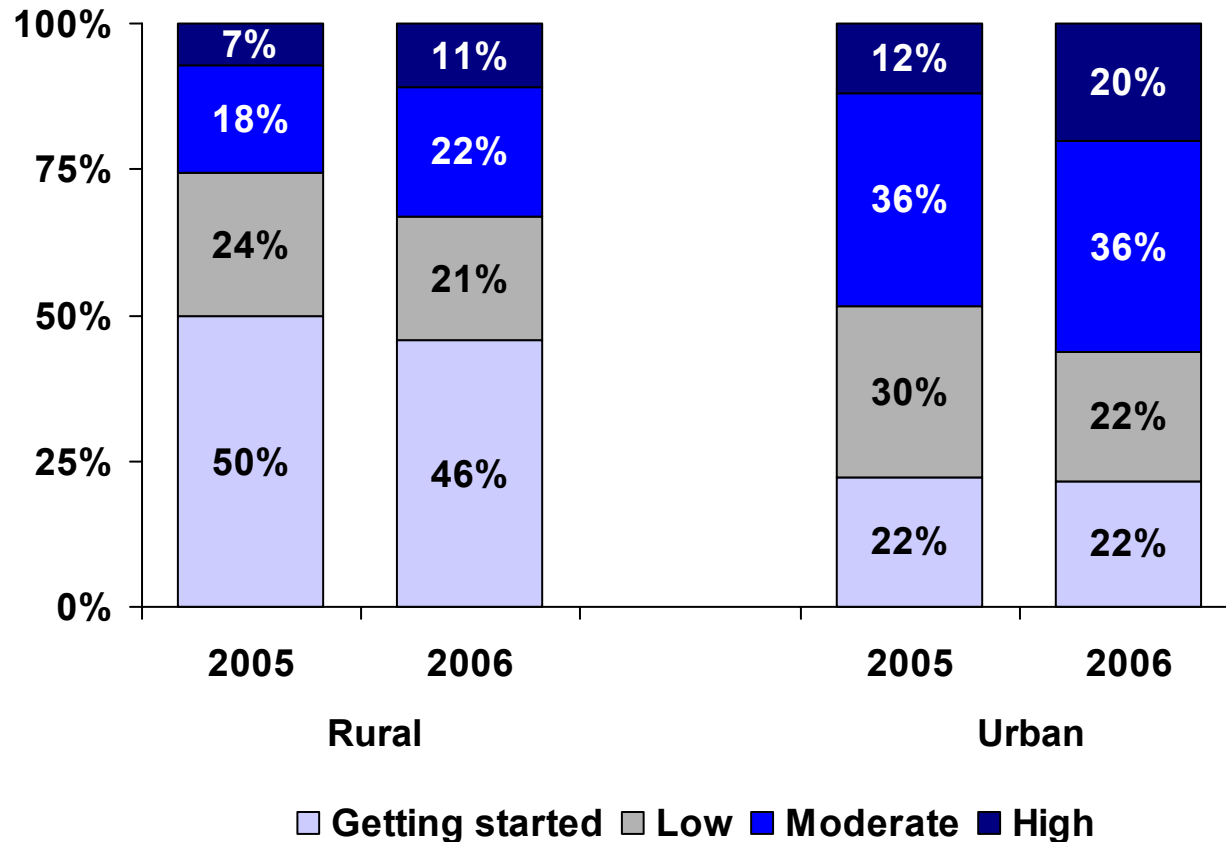
# Larger hospitals used more health IT and saw greater growth from 2005 to 2006

Distribution of hospitals across levels of health IT use by bed size



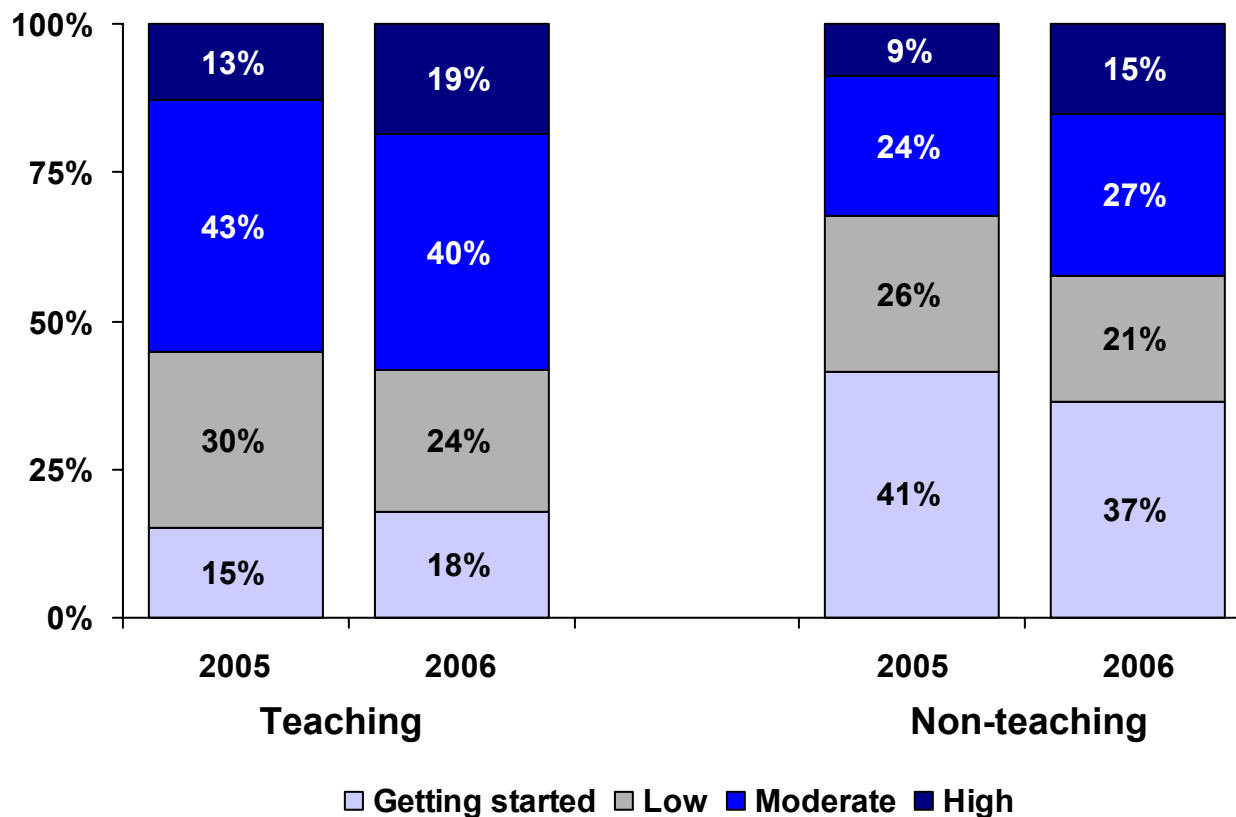
# Urban hospitals used more health IT than rural hospitals, but both groups increased use

Levels of health IT use by location



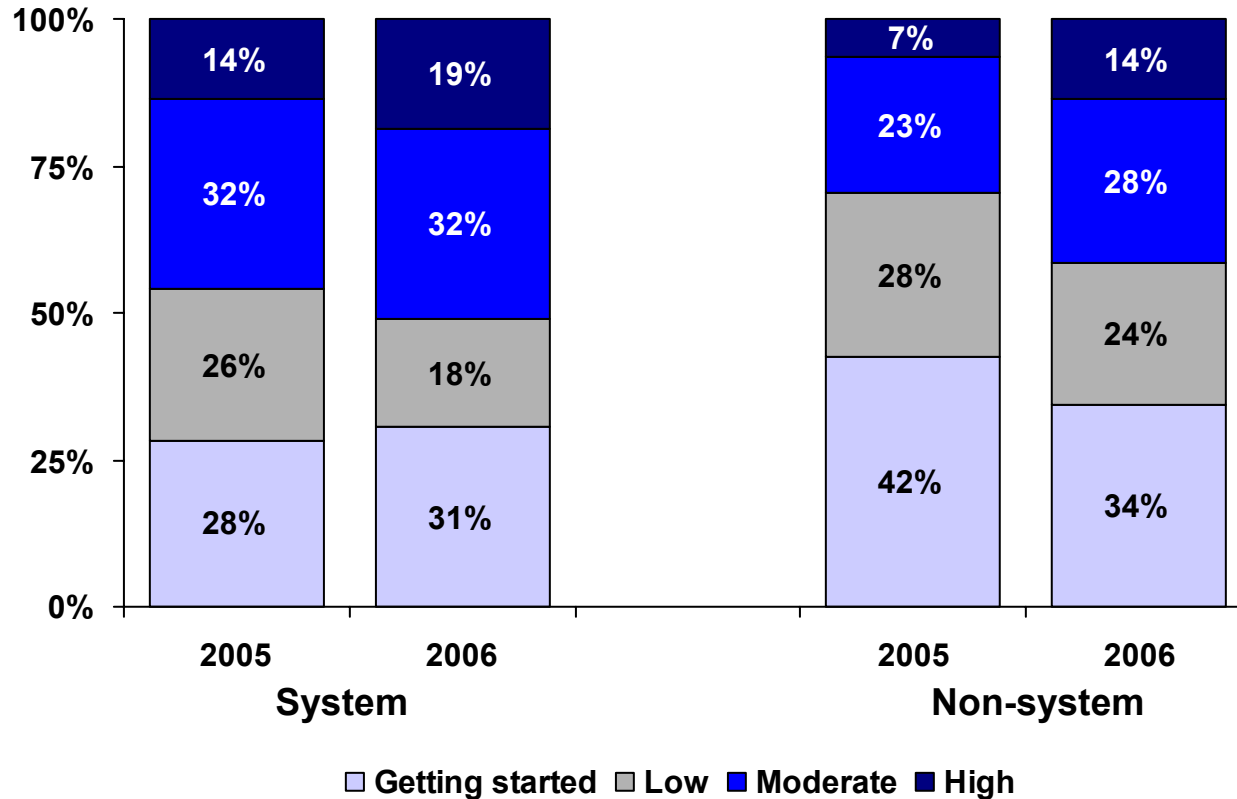
# Teaching hospitals used more health IT than non-teaching hospitals, but both groups increased use

Level of health IT use by teaching status



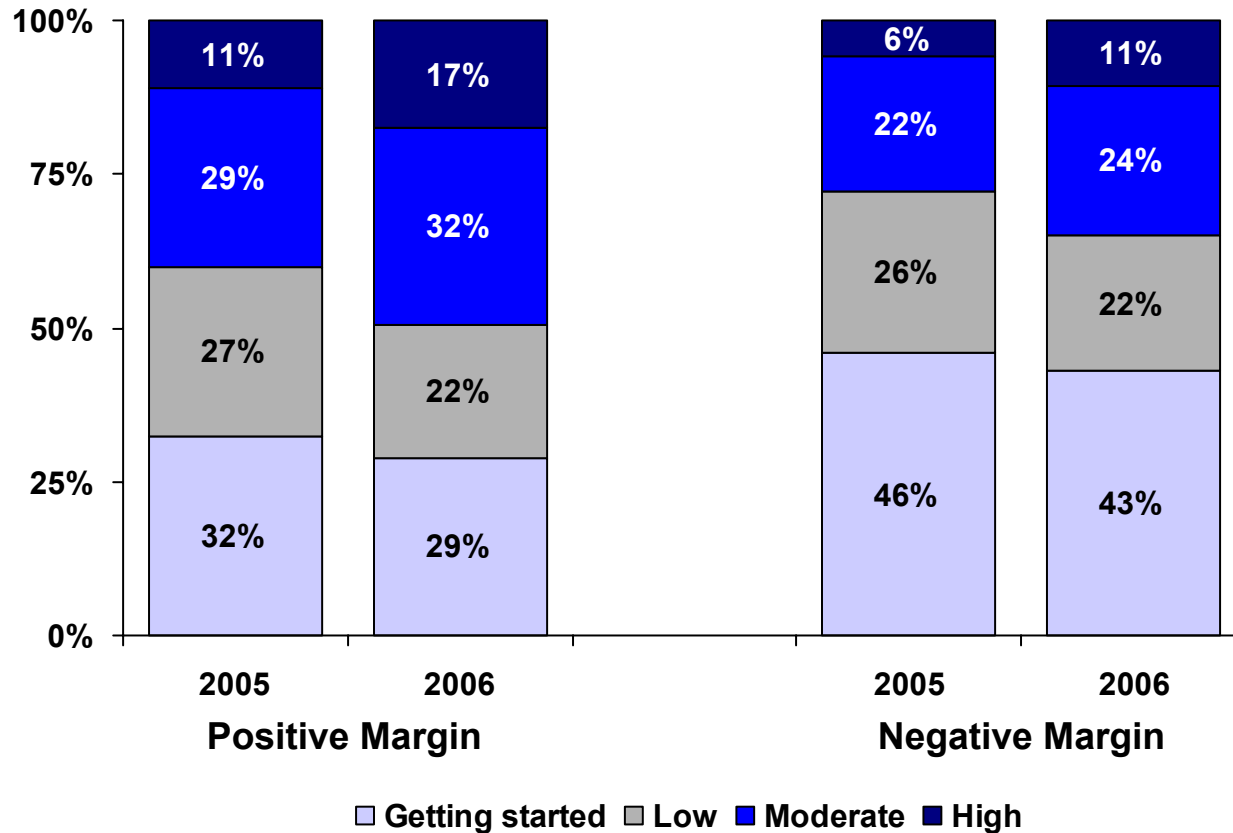
# Hospitals that were members of systems used more health IT than those that were not, but both groups increased use

Level of health IT use by system status



# Hospitals with positive margins used more health IT in both 2005 and 2006

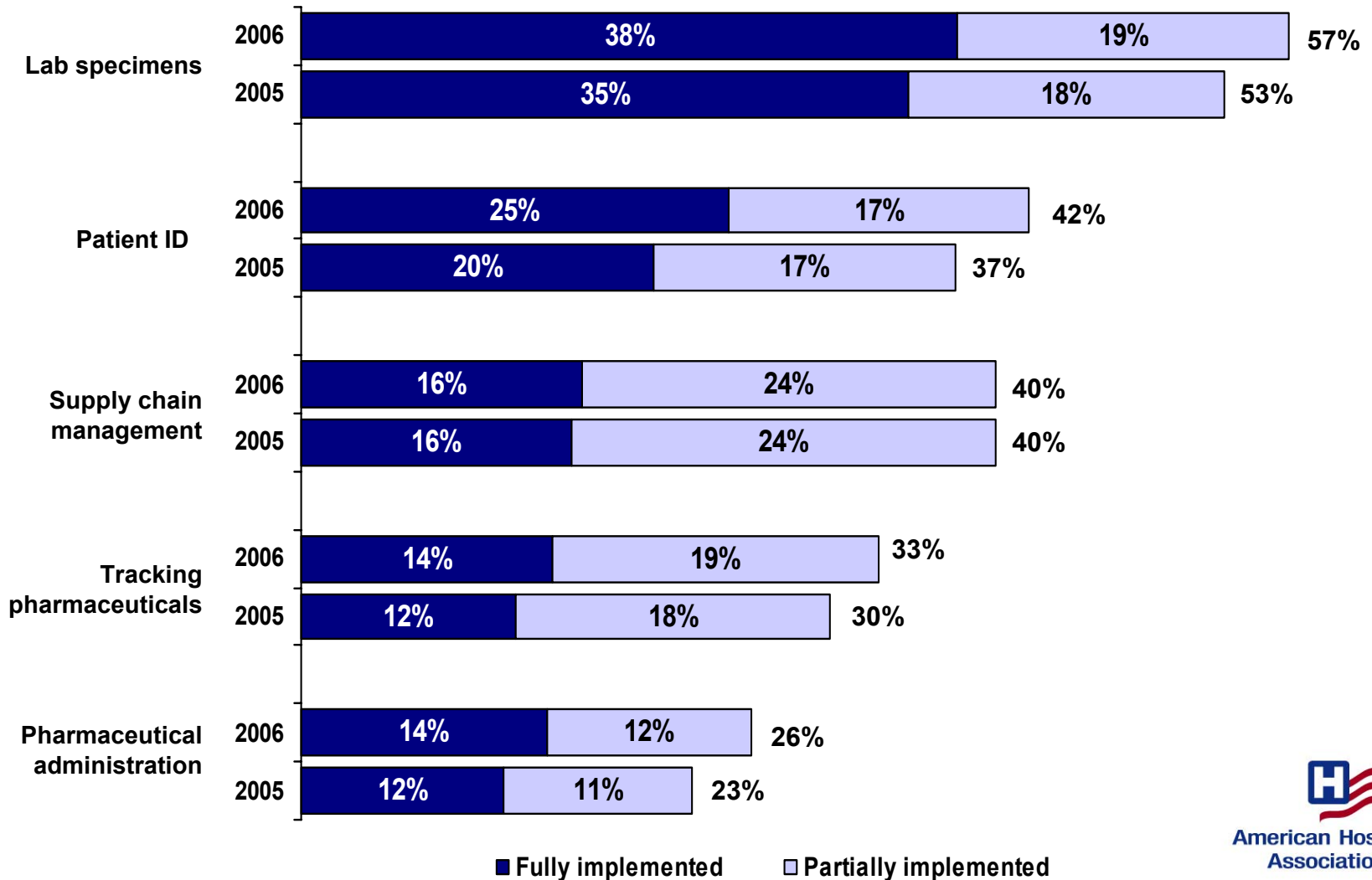
## Level of use of fully implemented IT systems by margin level





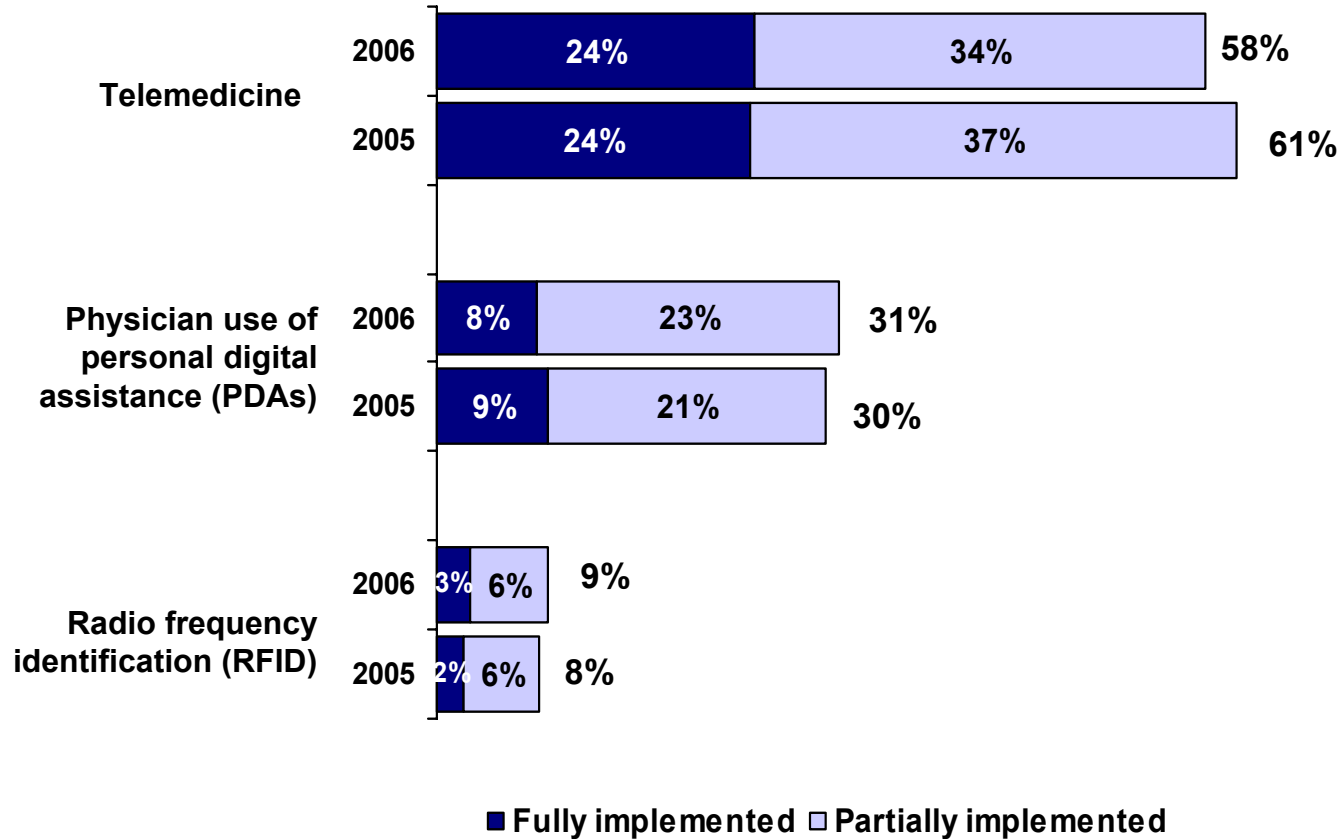
# Hospitals increased use of bar-coding

Percent of hospitals with fully or partially implemented bar-code systems



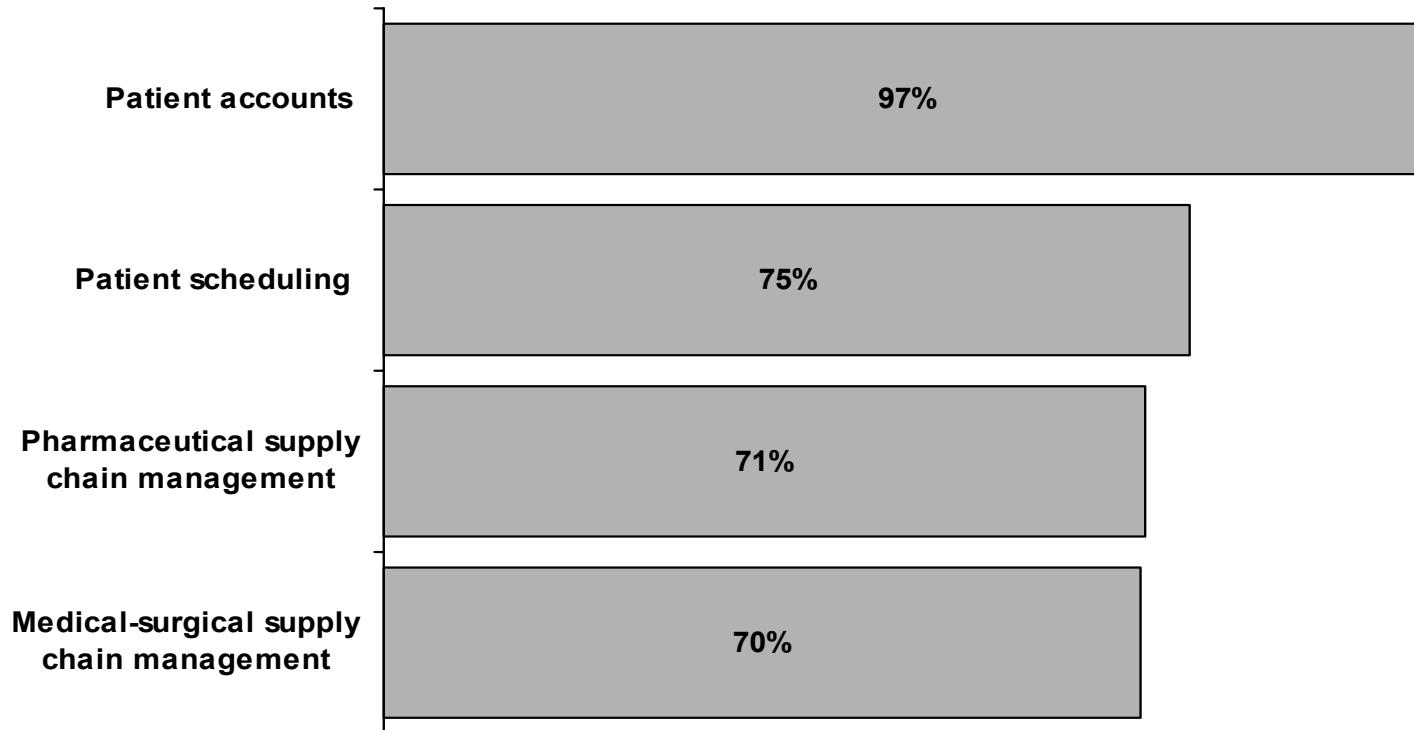
# Hospitals adopting telemedicine and other technologies

Percent of hospitals with fully or partially implemented systems



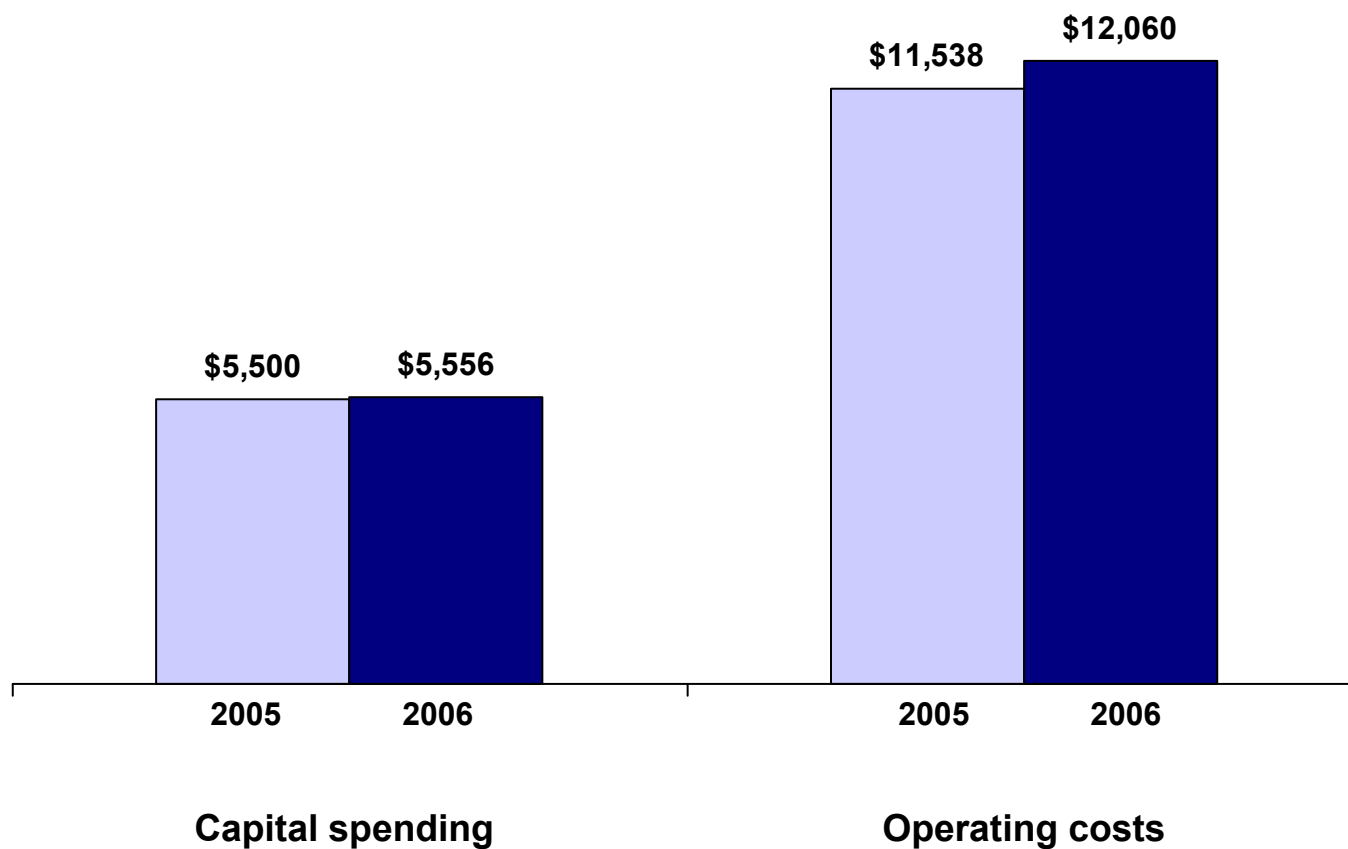
# Hospitals using administrative systems

Percent of hospitals with administrative systems, 2006



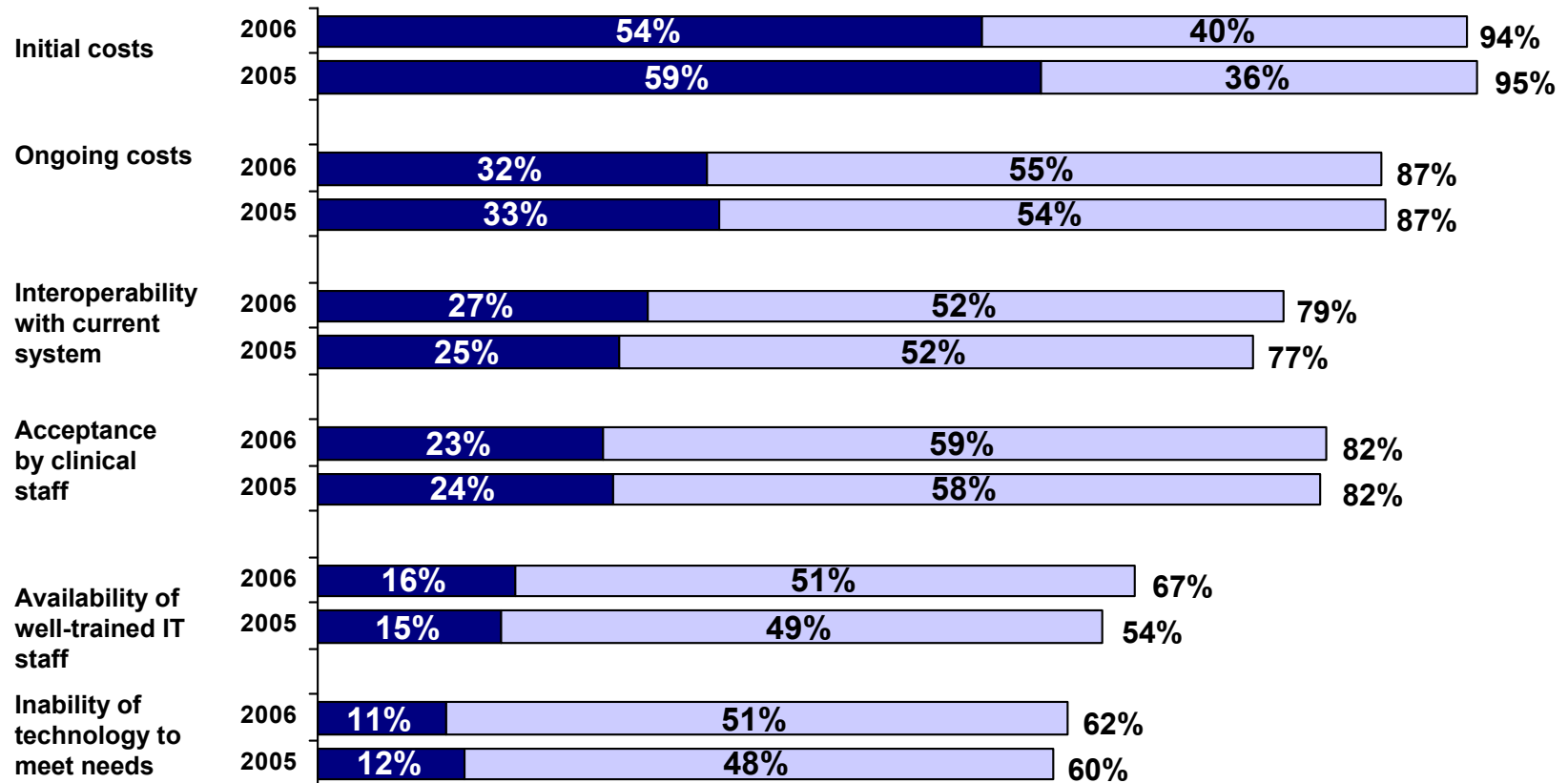
# Spending on health IT is high and increasing

Median one-year spending per bed



# Hospitals continued to report cost as greatest barrier to IT adoption

Percent of hospitals indicating barrier is a “significant barrier” or “somewhat of a barrier”

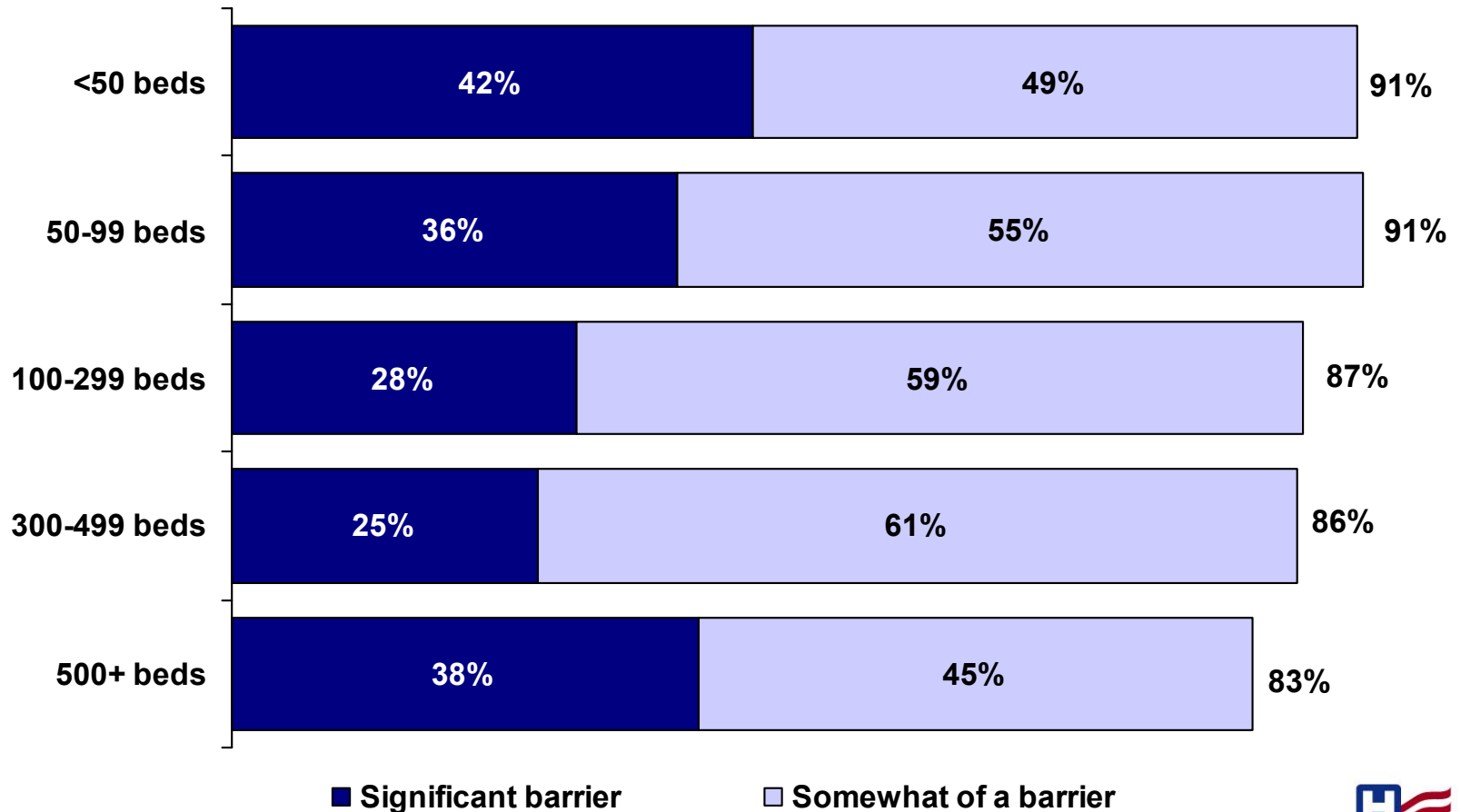


 Significant barrier

 Somewhat of a barrier

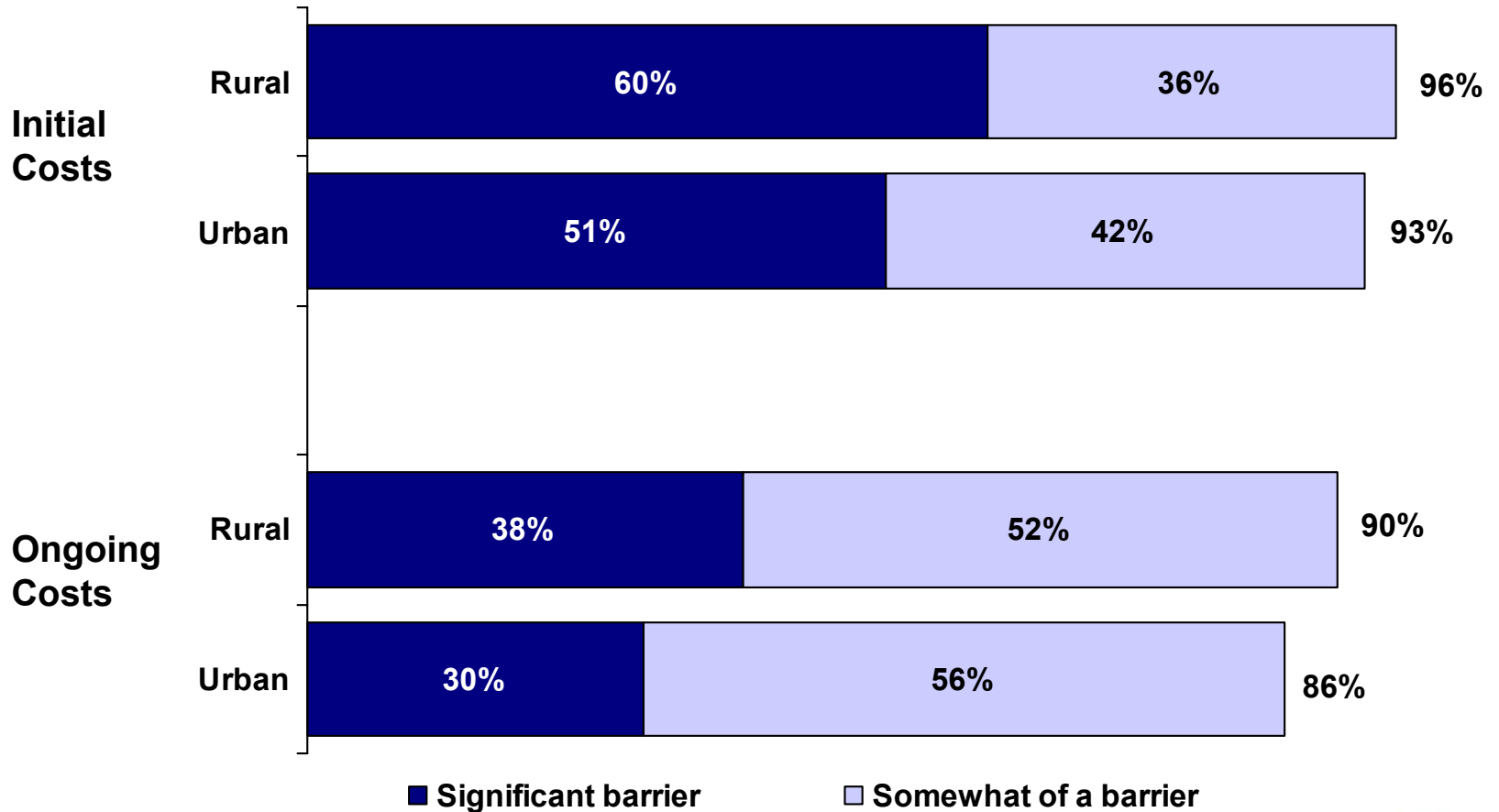
# While a barrier for all, smallest hospitals were most likely to see ongoing costs as significant barrier

Percent of hospitals indicating ongoing costs are a “significant barrier” or “somewhat of a barrier” by size, 2006



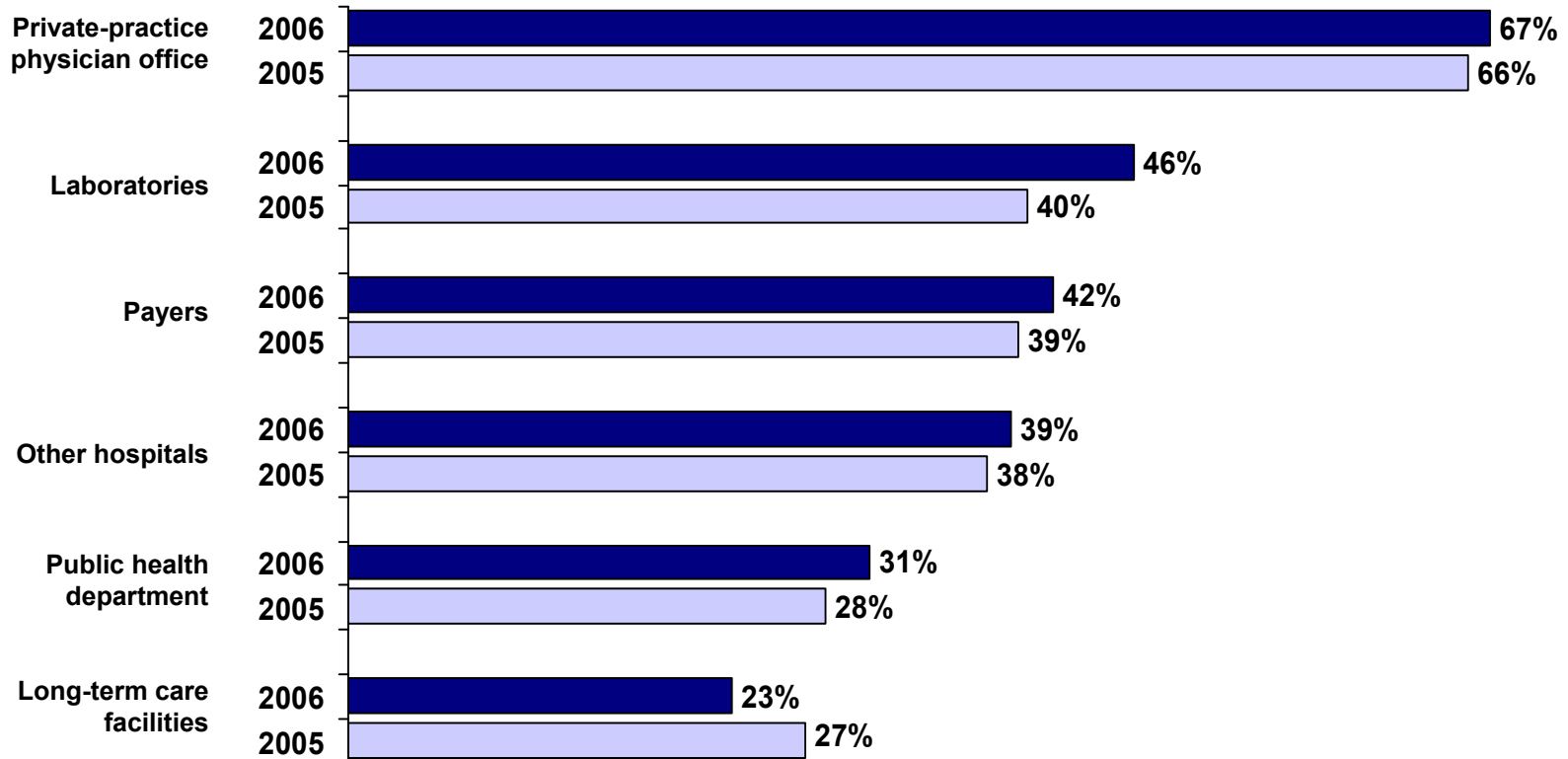
# Rural hospitals more likely to see costs as significant barrier

Percent of hospitals indicating ongoing costs are a “significant barrier” or “somewhat of a barrier” by location, 2006



# Hospitals most commonly shared electronic patient information with physician offices

Most commonly reported organizations for sharing of electronic patient health care information among hospitals that shared data





# Comparison of sample to universe

Characteristic	Universe (%)	Sample (%)
<b>Bed size</b>		
Under 50 beds	28.4	29.1
50 to 99 beds	20.3	18.6
100 to 299 beds	35.4	33.0
300 to 499 beds	11.0	12.6
500+ beds	4.9	6.7
<b>Location</b>		
Urban	59.3	53.5
Rural	40.7	46.5
<b>Teaching status</b>		
Non-teaching	78.3	80.4
Teaching	21.7	19.6

**Note:** Universe includes all 4,936 community hospitals in the 2005 AHA Annual Survey. Sample includes 1,543 community hospitals responding to the 2006 AHA Health IT Survey.

## Comparison of sample to universe (2)

Characteristic	Universe (%)	Sample (%)
<b>Region</b>		
New England	4.2	5.0
Middle Atlantic	9.6	11.6
South Atlantic	15.1	13.2
East North Central	15.1	14.5
East South Central	8.9	7.7
West North Central	13.7	18.7
West South Central	15.0	12.8
Mountain	7.4	7.6
Pacific	11.1	8.6
<b>Ownership</b>		
Non-profit	59.9	62.5
Investor owned	17.6	9.7
State/local government	22.5	27.7
<b>System Membership</b>		
Member	55.0	41.7
Non-member	45.0	58.3

**Note:** Universe includes all 4,936 community hospitals in the 2005 AHA Annual Survey.  
Sample includes 1,543 community hospitals responding to the 2006 AHA Health IT Survey.