



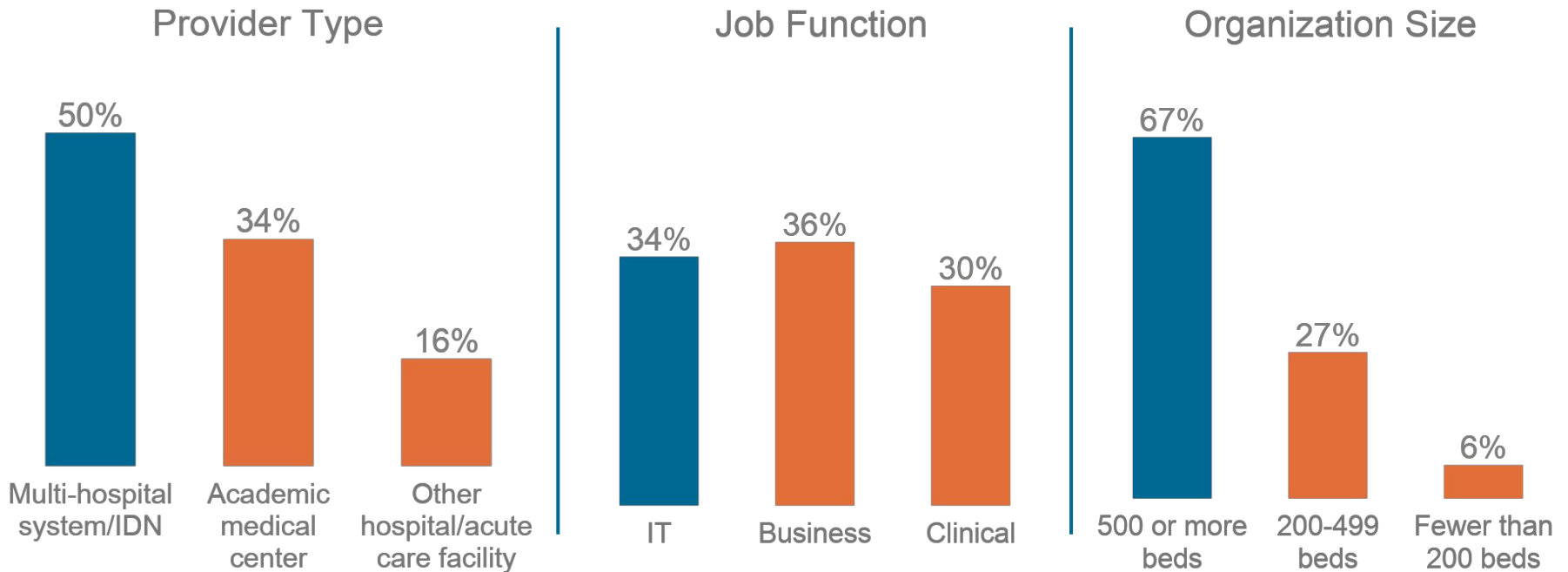
Advancing Clinical Decision Support

July 2018

RESEARCH OVERVIEW

HIMSS Media conducted this survey in June 2018 to better understand how hospitals and acute care facilities are leveraging clinical decision support systems (CDSS) to help physicians and other healthcare professionals make clinical decisions and deliver better outcomes.

- A total of 100 qualified respondents completed the survey.



RESEARCH METHODOLOGY

- This research was conducted online among individuals in IT, business and clinical roles in acute care facilities/hospitals.
- This was a blind data collection effort. Red Hat was not identified as the sponsor of the research.
- Qualified respondents received an email from HIMSS Media inviting them to participate in the research. Participants were offered an incentive for completing the survey (opportunity to win one of five \$100 Amazon gift cards).
- For purposes of this research, Clinical Decision Support Systems (CDSS) are defined as applications that analyze data to help physicians and other healthcare professionals make clinical decisions. A CDSS is an adaptation of the decision support system commonly used to support business management.

KEY TAKEAWAYS

1

Clinical Decision Support is a top priority for the majority of hospitals and acute care facilities who view it as an important ingredient to driving better quality of care.

2

Yet satisfaction with current CDS tools is fairly low with concerns re: workflow and implementation expense among the top barriers to broader adoption.

3

Despite its priority status, just over half have established a feedback loop to drive continuous improvement of CDS applications, a missed opportunity given $\frac{3}{4}$ of those highly satisfied with their CDS tools have established such a feedback loop.

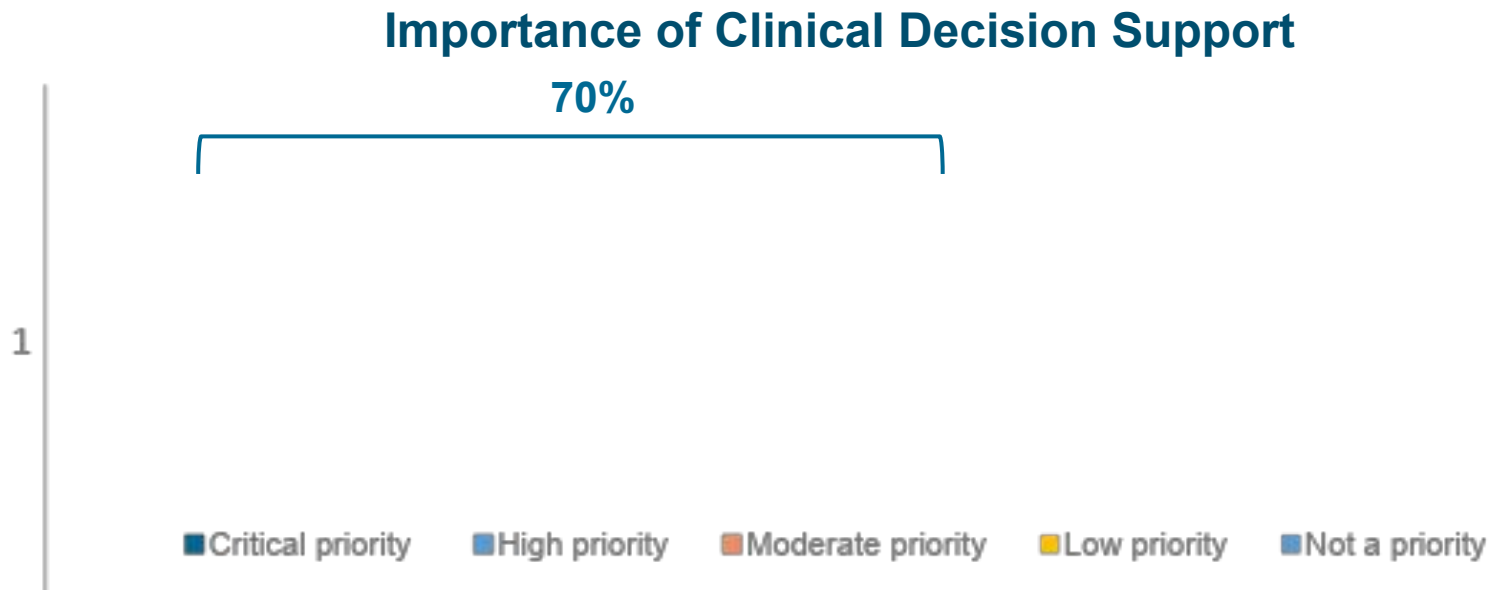
4

Limited commitment to continuous improvement is noteworthy given 50% or fewer rate their CDS tools as highly effective at delivering the right info, to the right people, through the right channels, in the right formats, at the right time.

5

More than half expect to build CDS solutions with $\frac{3}{4}$ leveraging best of breed solutions and most of those indicating a likelihood to use open source solutions to advance their CDS goals.

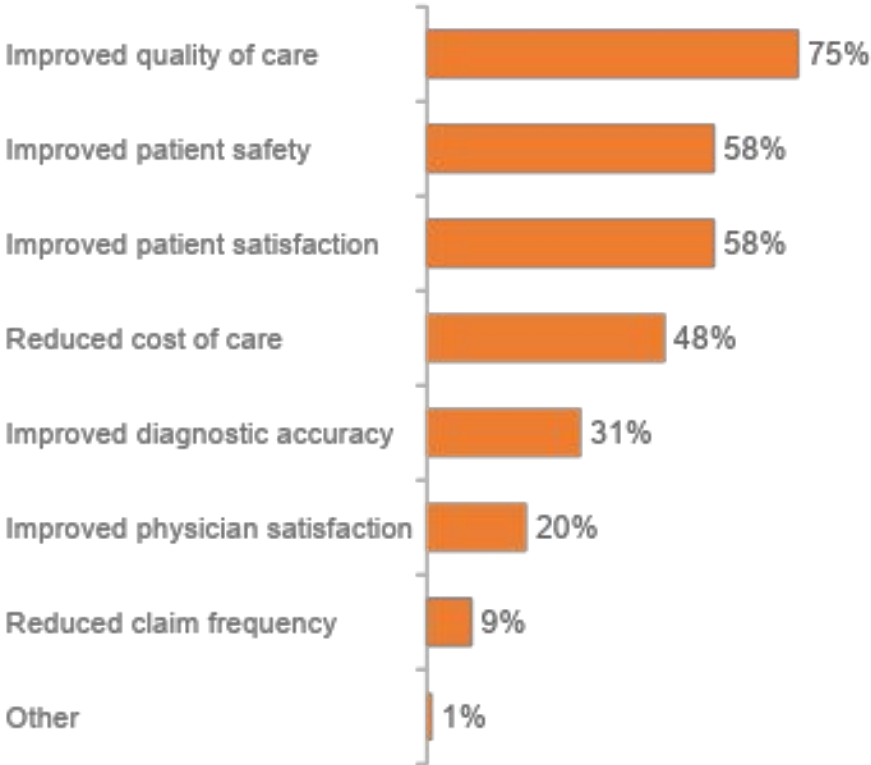
CDS A TOP PRIORITY FOR MAJORITY OF ACUTE CARE PROVIDERS



Q. How important is Clinical Decision Support (CDS) as a business priority for your organization? Base: 100

QUALITY OF CARE, PATIENT SAFETY AND SATISFACTION ARE KEY GOALS DRIVING CDS USAGE

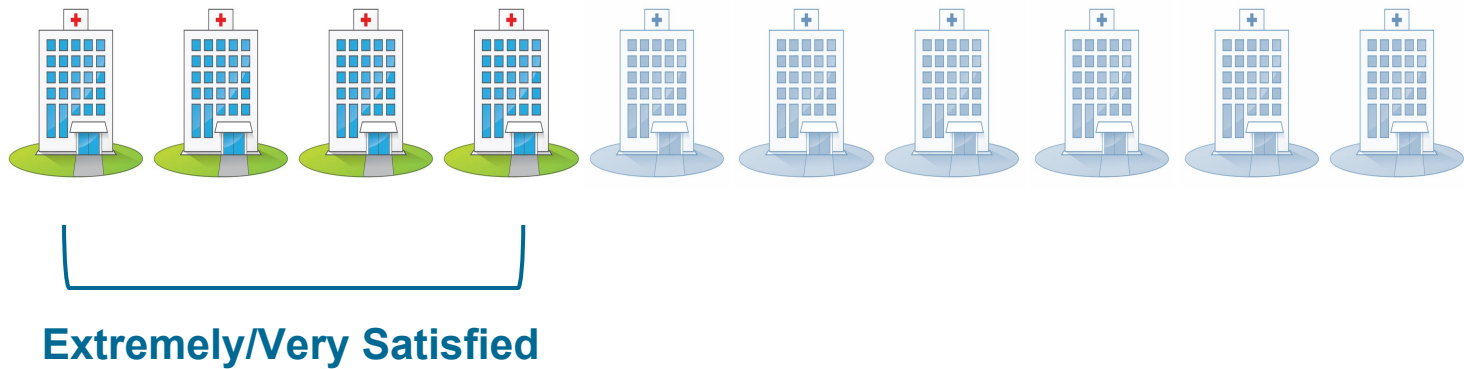
Top 3 Clinical Goals Driving CDS Initiatives



Q. What are the top three clinical goals/priorities driving your organization's CDS initiatives? Base: 100

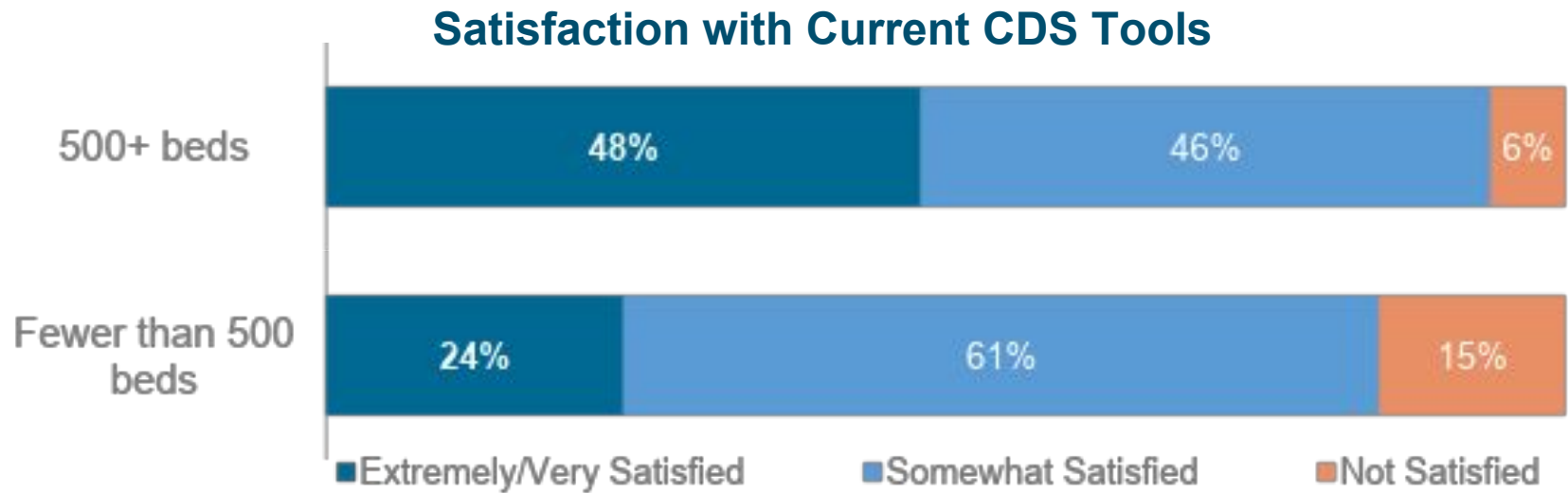
JUST 4 OUT OF 10 HIGHLY SATISFIED WITH CURRENT CDS TOOLS

Satisfaction with Current CDS Tools



Q. How satisfied are you with your organization's existing CDS tools? Base: 100

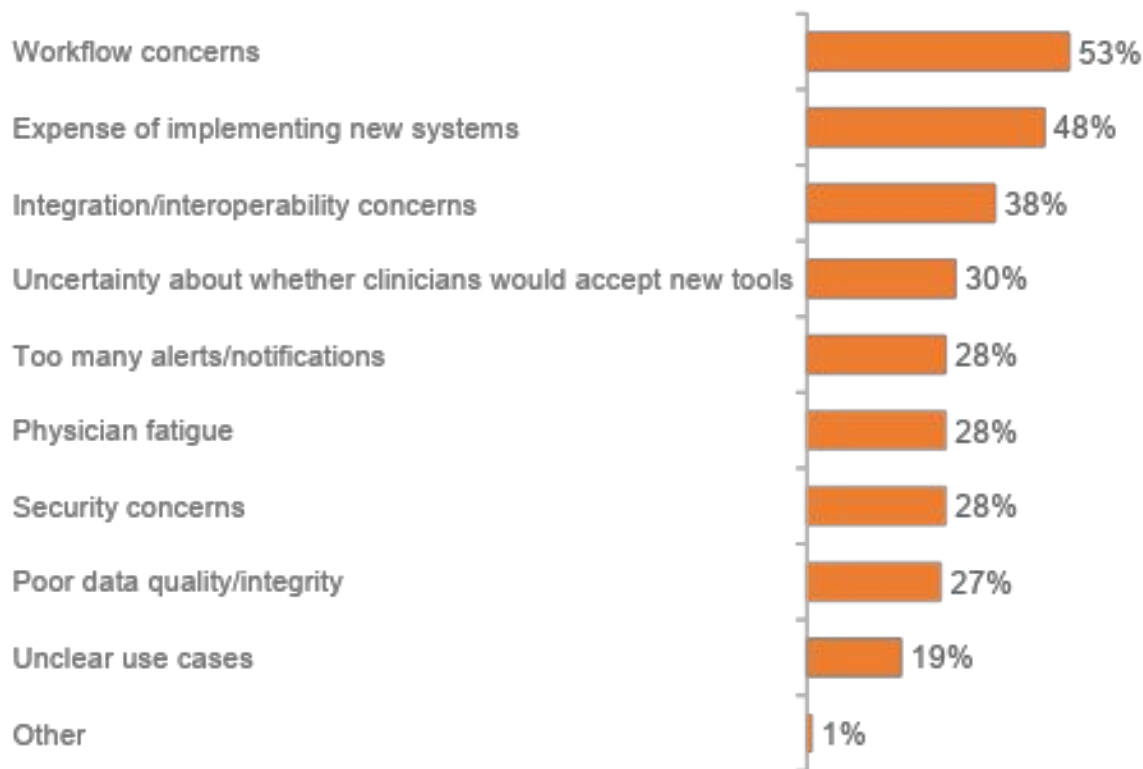
LARGE FACILITIES 2X AS LIKELY TO BE HIGHLY SATISFIED WITH CDS TOOLS



Q. How satisfied are you with your organization's existing CDS tools? Base: 100

WORKFLOW CONCERNS & IMPLEMENTATION EXPENSE ARE TOP BARRIERS TO CDS USAGE

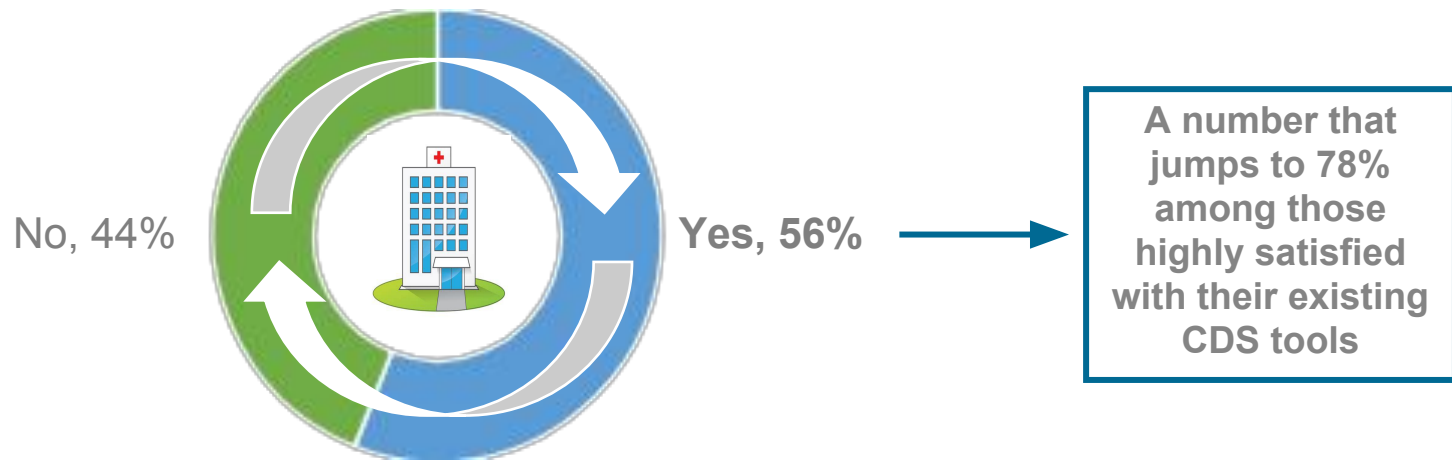
Top 3 Barriers to Adoption of CDS Systems



Q. What are the top three factors hindering your organization's implementation and adoption of CDS systems? Base: 100

JUST OVER HALF HAVE A FEEDBACK LOOP FOR CDS APPLICATIONS

Feedback Loop for Continuous Improvement of CDS Applications?



Q. Has your organization established a feedback loop to drive continuous improvement of its CDS applications? Base: 100

ROOM FOR IMPROVEMENT ACROSS THE CLINICAL CONTINUUM

Effectiveness of CDS Tools at Delivering...

(% extremely or very successful)



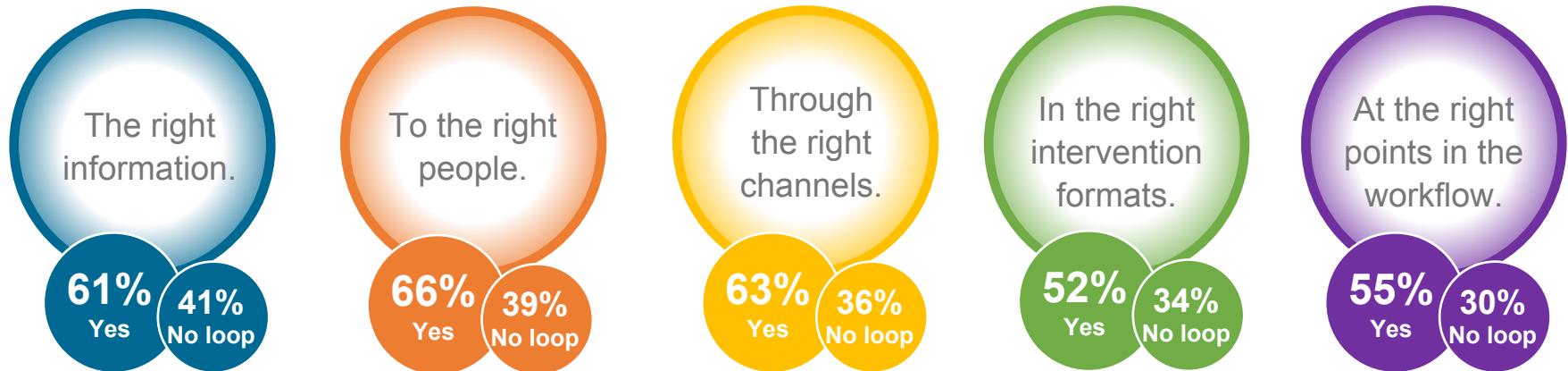
500+ bed facilities perform better here:
51% each vs. 30% at facilities
with fewer than 500 beds

Q. How successful are your CDS tools at advancing your organization's ability to deliver...? Base: 100

ESTABLISH A FEEDBACK LOOP FOR CONTINUOUS IMPROVEMENT TO ADVANCE 5 RIGHTS OF CDS

Effectiveness of CDS Tools at Delivering...

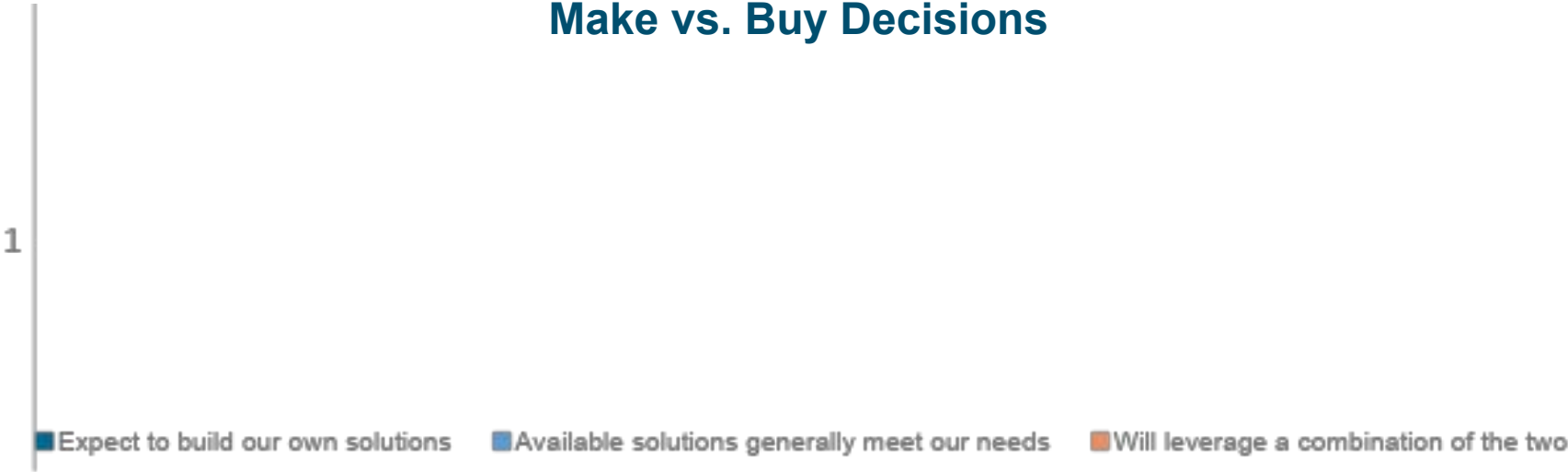
(% extremely or very successful)



Q. How successful are your CDS tools at advancing your organization's ability to deliver...? Base: 56 with established feedback loop to drive continuous improvement of CDS applications

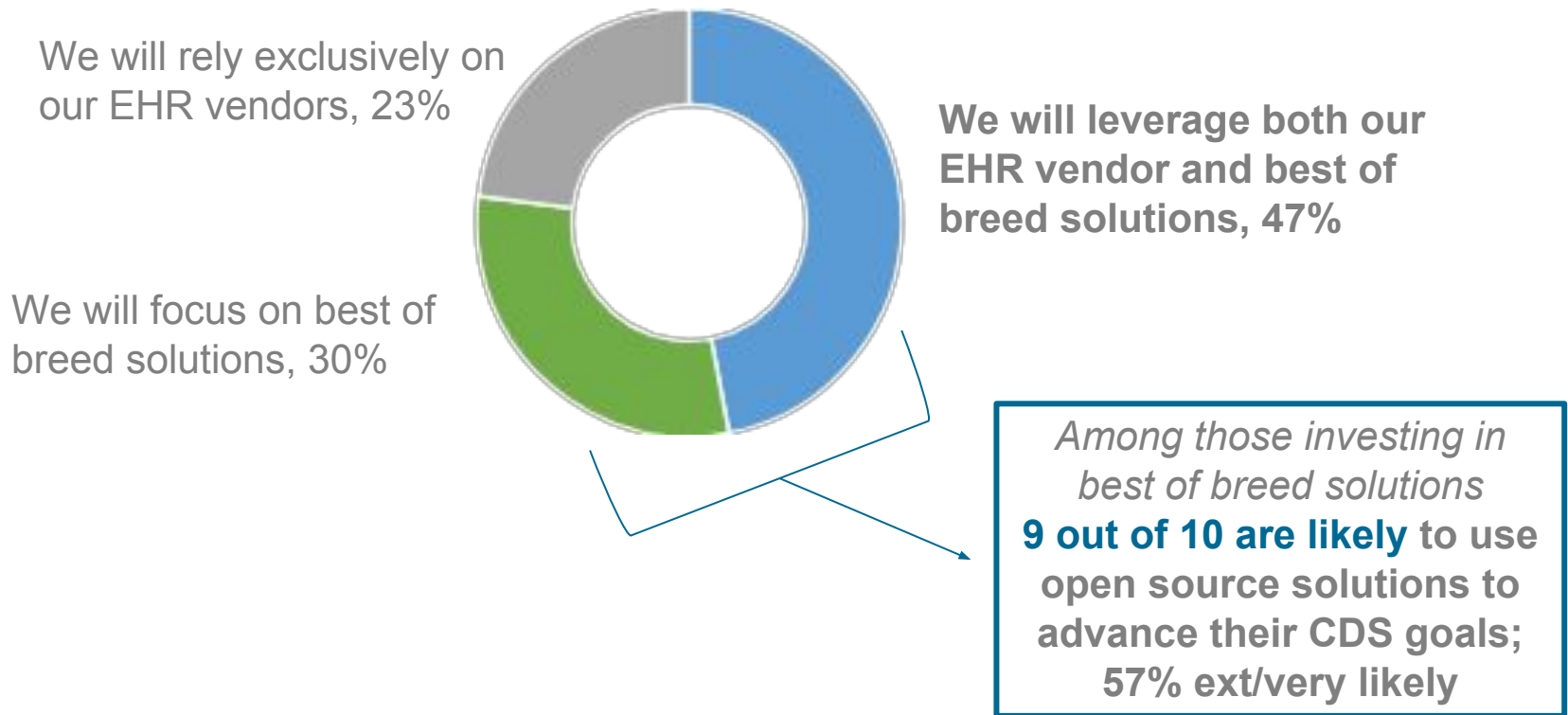
MORE THAN HALF EXPECT TO BUILD CDS SOLUTIONS

Make vs. Buy Decisions



Q. Do the pre-built solutions available in market today generally meet your organization's CDS needs or do you expect to have to build your own solutions? Base: 100

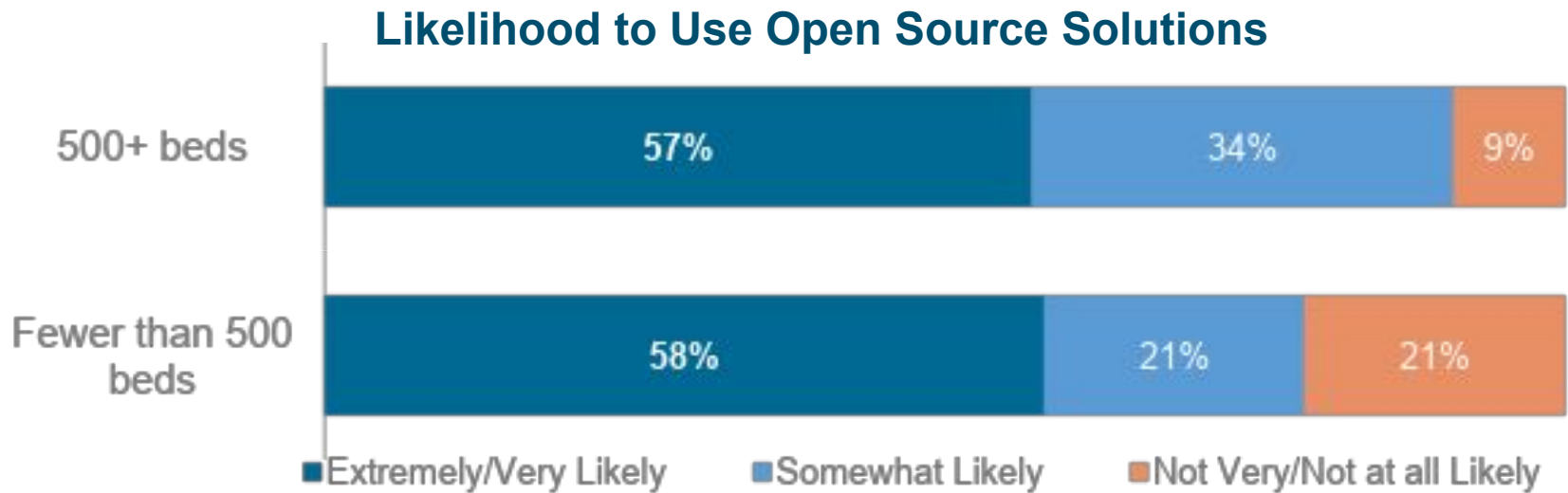
BEST OF BREED SOLUTIONS WIDELY LEVERAGED AND APPETITE FOR OPEN SOURCE



Q. How is your organization leveraging vendors to advance your clinical decision support goals? Base: 100

Q. How likely would you be to use open source solutions to advance your clinical decision support goals? Base: 77 investing in best of breed solutions

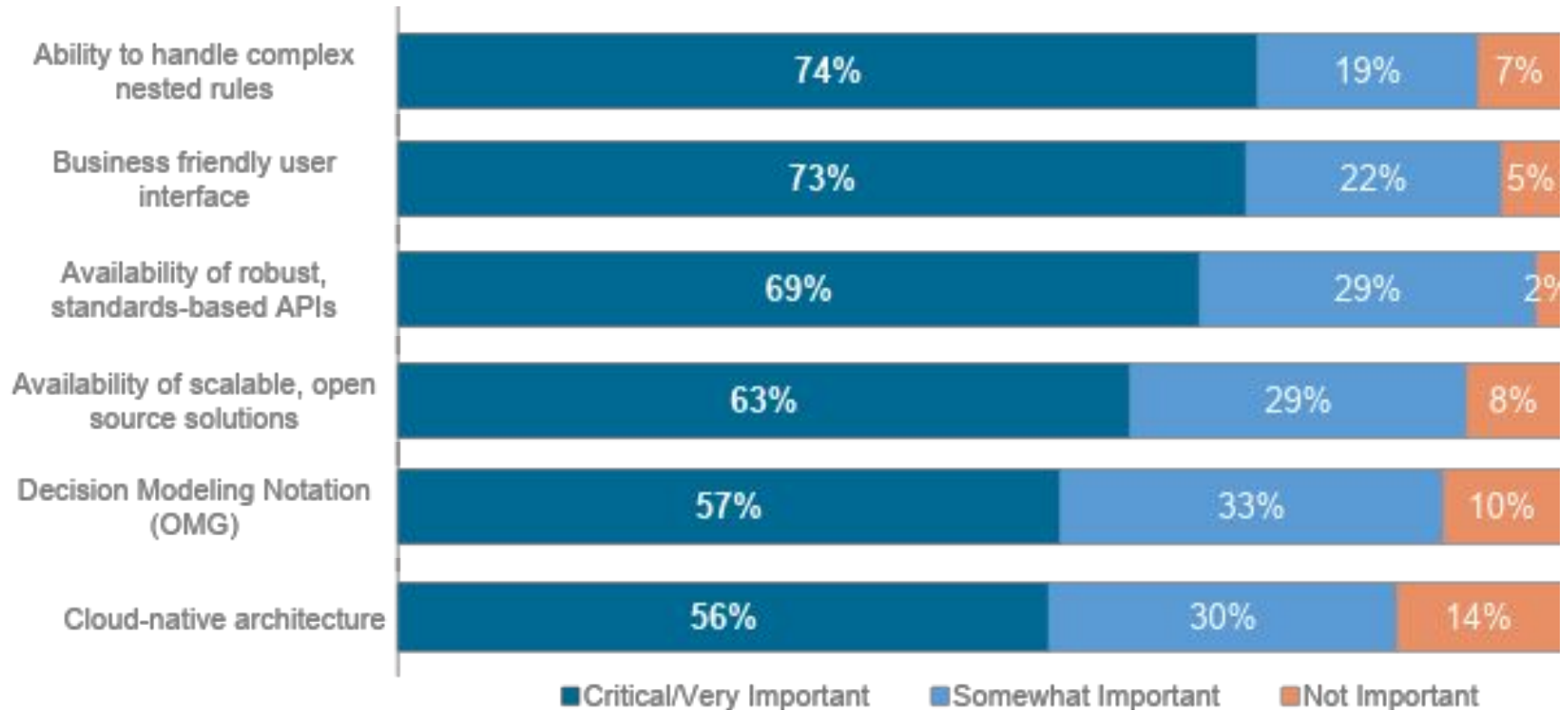
LARGE FACILITIES MOST LIKELY TO LEVERAGE OPEN SOURCE TO ADVANCE CDS GOALS



Q. How likely would you be to use open source solutions to advance your clinical decision support goals? Base: 77 investing in best of breed solutions

LOGIC, INTERFACES, AND APIs TOP LIST OF DESIRED CAPABILITIES WHEN BUILDING CDS TOOLS

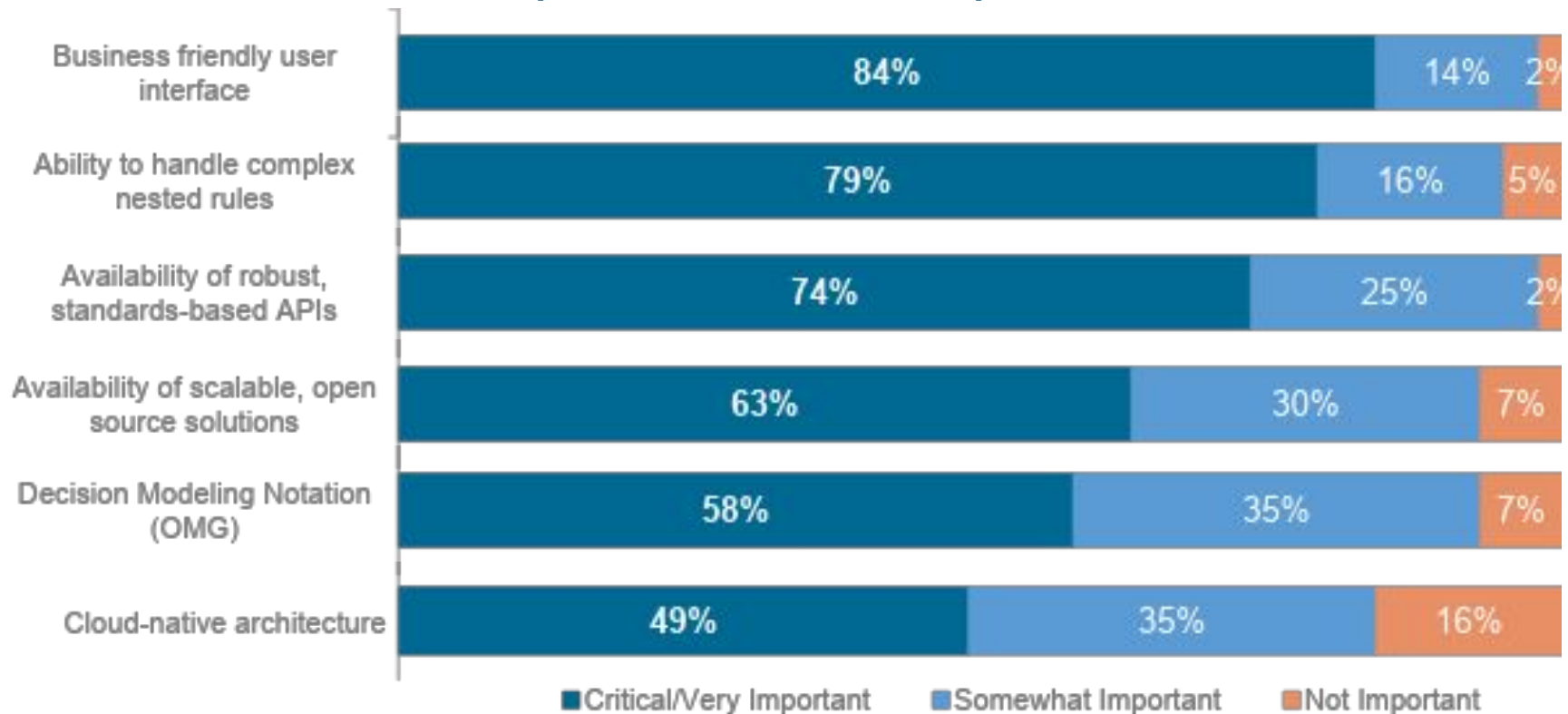
Importance of Platform Capabilities: All Respondents



Q. How important are the following capabilities when selecting a platform to help your organization build CDS tools? Base: 100

LOGIC, INTERFACES, AND APIs TOP LIST OF DESIRED CAPABILITIES WHEN BUILDING CDS TOOLS

Importance of Platform Capabilities: “Builders”



Q. How important are the following capabilities when selecting a platform to help your organization build CDS tools? Base: 57 who expect to build CDS solutions



Thank you!

For more information please contact:

Janet King, Sr. Director Market Insights
HIMSS Media
jking@himss.org