ARCADIA®

The Current State of Healthcare Analytics Platforms

What executive, IT, technology, and clinical leaders are saying about data utilization within hospitals and health systems.

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Research Overview

HIMSS Market Insights conducted this research among executives, IT, technology, and clinical leaders to understand utilization of data within hospitals and health systems. Topics included:

- Satisfaction with current analytics platform solution(s)

- Integration of applications/technologies with data analytics platforms

- Challenges encountered with investments in analytics platforms/upgrades

- Reliability and use of analytics data
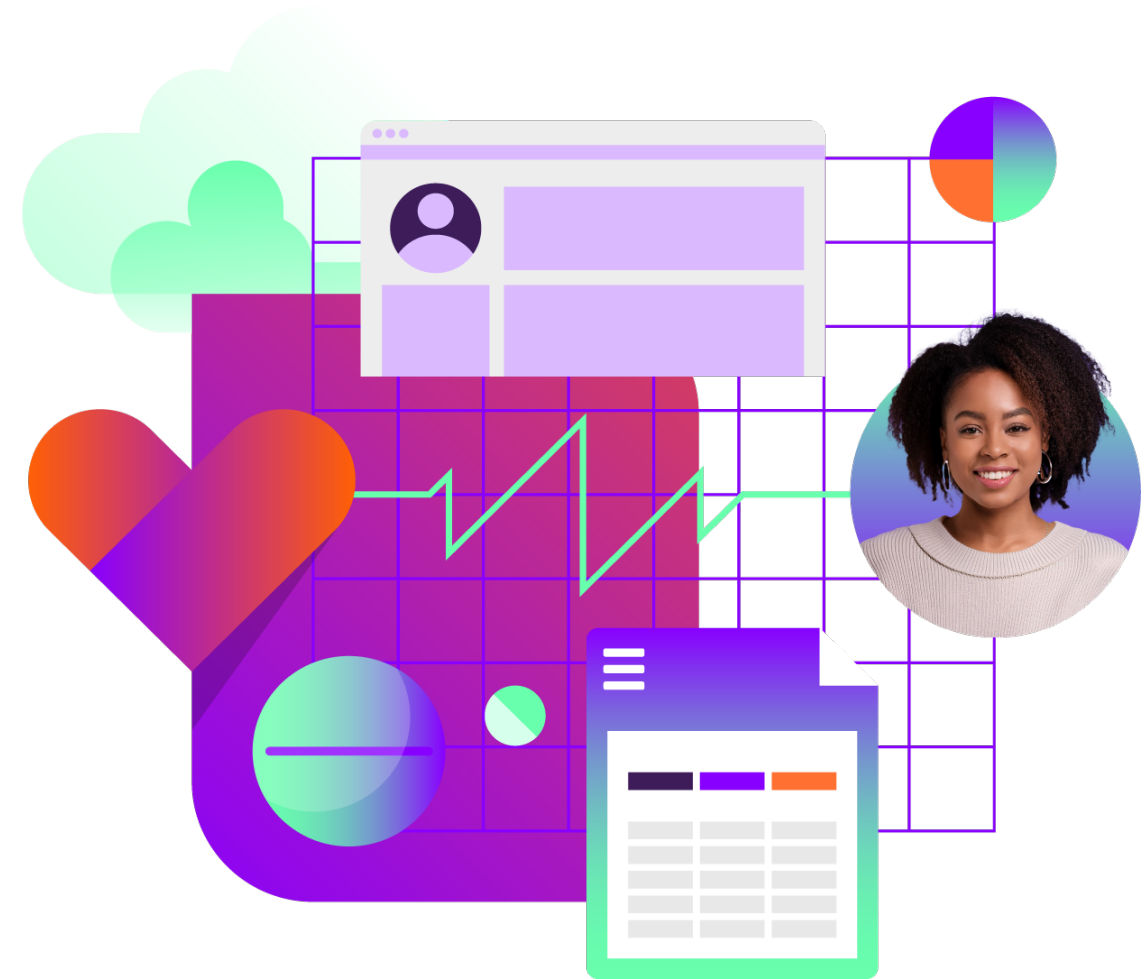
Key Takeaways

9-in-10 agree that quality data is critical to an organization's performance

Many organizations have already made progress in integrating their systems with a data analytics platform. For those who haven't, 27% say communications platforms and 25% say population health management are top priorities within the next 12 months.

Organization size dictates priorities

Organizations with 15,000+ employees plan to implement clinical decision tools (94%), while those with 7,500+ employees (38%) are more likely to have plans to implement decision-making tools for their provider networks. At larger and smaller organizations, C-suite roles (30%) are more likely to prioritize AI/ML solutions within the next 12 months.

Investing in analytics is a common challenge across healthcare organizations

Other strategic priorities (71%) and limited staff resources (58%) are the greatest barriers to analytics platform investments. Organizations with less than 1,000 hospital beds are more likely to face resistance from clinicians and analysts in adopting new workflow solutions, while decision-makers are more likely to report inaccurate data. Organizations with less than $1.1B in revenue are more likely to face resistance from leadership.

A third state that their data is less than 76% accurate

Those in executive leadership roles (80%) report a significantly higher average percent of data accuracy compared to those in other roles.
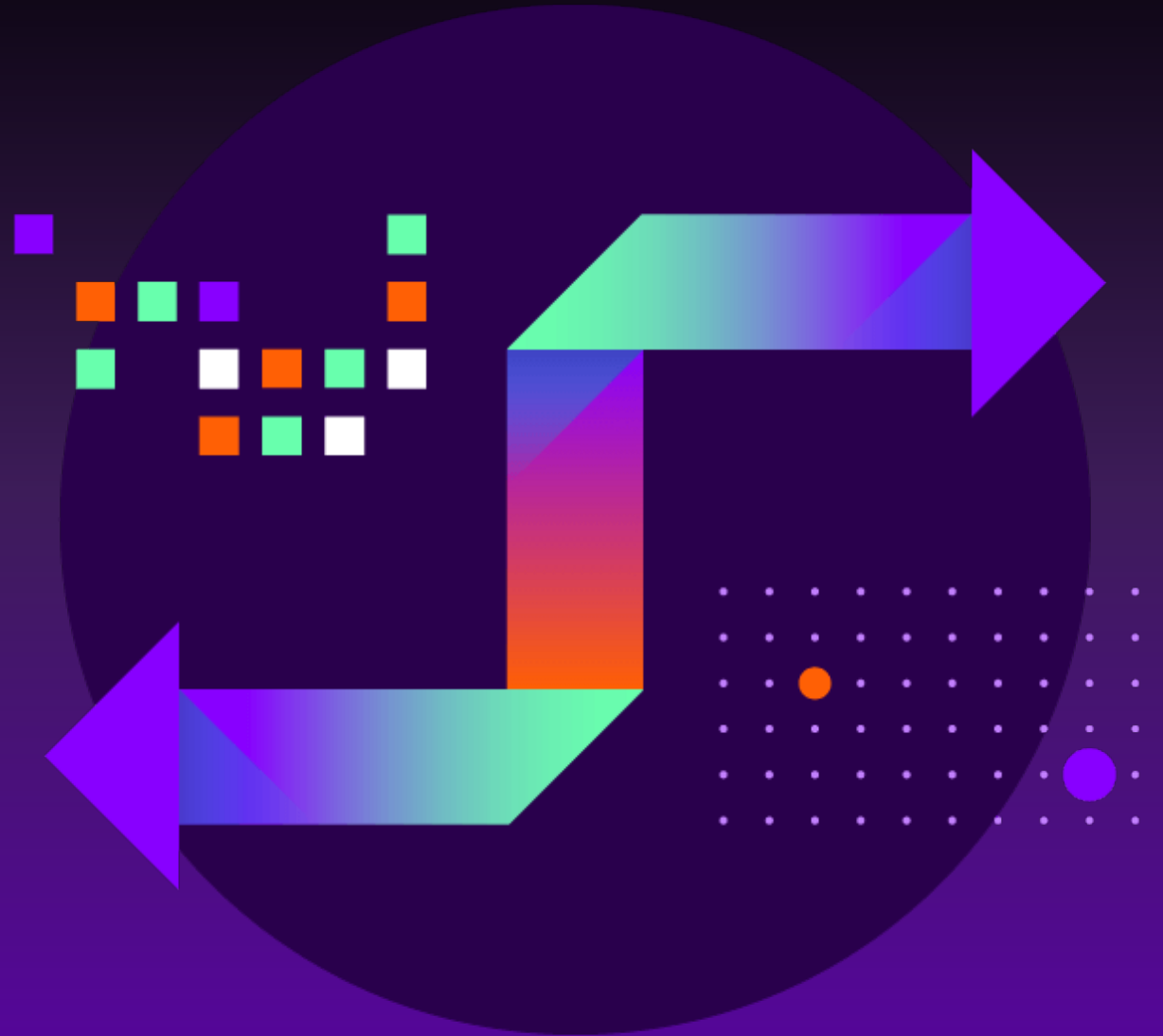
Only 57% of an organization's data is being used to make decisions

Those who work within an IDN/Multi-hospital (64%) are more likely to report their data is used to make intelligent business decisions.

Hear leaders from top healthcare organizations discuss these results at **arcadia.io/bigdata**
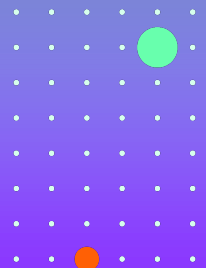
Detailed Findings

93%

agree that quality data is critical to performance

Organizations that **do not use Epic as their primary EHR** report higher agreement with this statement compared to organizations that use Epic as their primary EHR.

100%
amongst organizations that primarily use Cerner or other EHR platforms

VS.

87%
amongst organizations that primarily use Epic

Having access to quality data and the ability to utilize that data across all our platforms/workflows is critical to our organization's system-wide performance.

93%

78%

15%

0%   2%   5%

| Disagree completely | 2 | 3 | 4 | Agree completely |
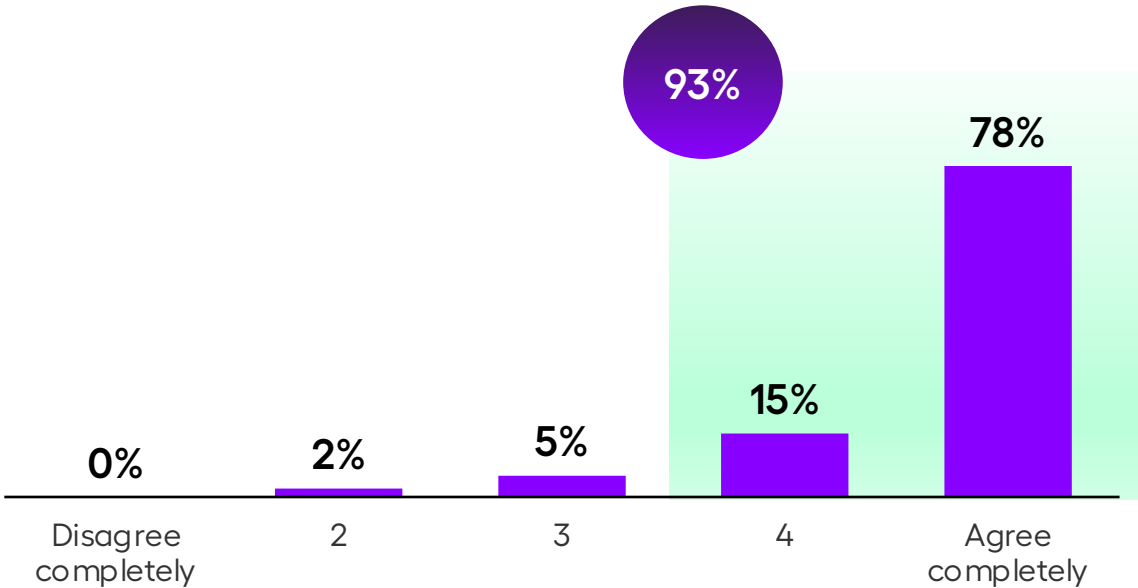
Please rate your level of agreement with the following statement, where 1=Disagree completely and 5=Agree completely: Having access to quality data and the ability to utilize that data, across all our platforms/workflows, is critical to our organization's system-wide performance Base: Total Respondents; n = 55

25%

plan to integrate population health management with an analytics platform within the next 12 months
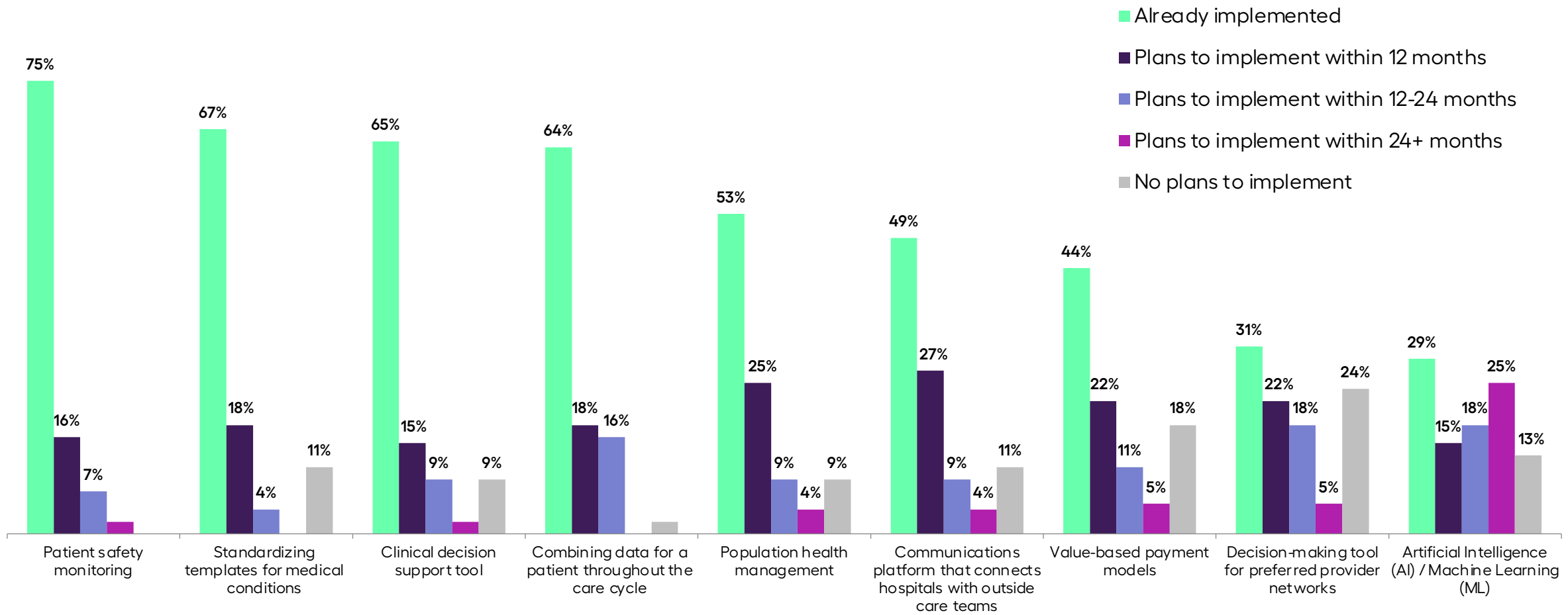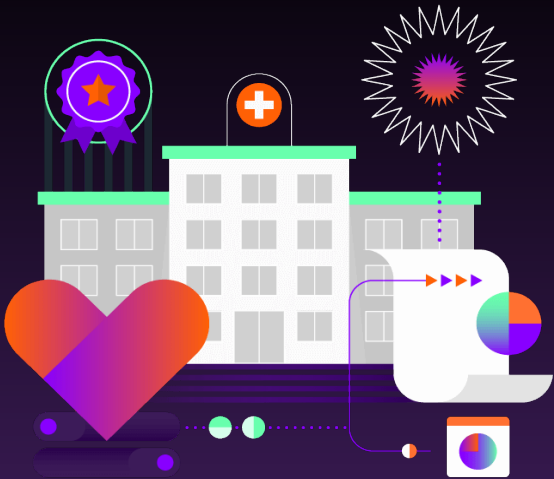
Which of the following applications/technologies is your organization either planning to integrate or has already integrated with a data analytics platform?

Legend:
- ■ Already implemented
- ■ Plans to implement within 12 months
- ■ Plans to implement within 12-24 months
- ■ Plans to implement within 24+ months
- ■ No plans to implement

Category	Already implemented	Plans within 12 months	Plans within 12-24 months	Plans within 24+ months	No plans to implement
Patient safety monitoring	75%	16%	7%		
Standardizing templates for medical conditions	67%	18%	4%		11%
Clinical decision support tool	65%	15%	9%		9%
Combining data for a patient throughout the care cycle	64%	18%	16%		
Population health management	53%	25%	9%	4%	9%
Communications platform that connects hospitals with outside care teams	49%	27%	9%	4%	11%
Value-based payment models	44%	22%	11%	5%	18%
Decision-making tool for preferred provider networks	31%	22%	18%	5%	24%
Artificial Intelligence (AI) / Machine Learning (ML)	29%	15%	18%	25%	13%

'Other' 2%, not shown. Data labels under 3% not shown. Base: Total Respondents; n = 55

Larger organizations are more likely to implement clinical decision tools within the next 12 months

94%
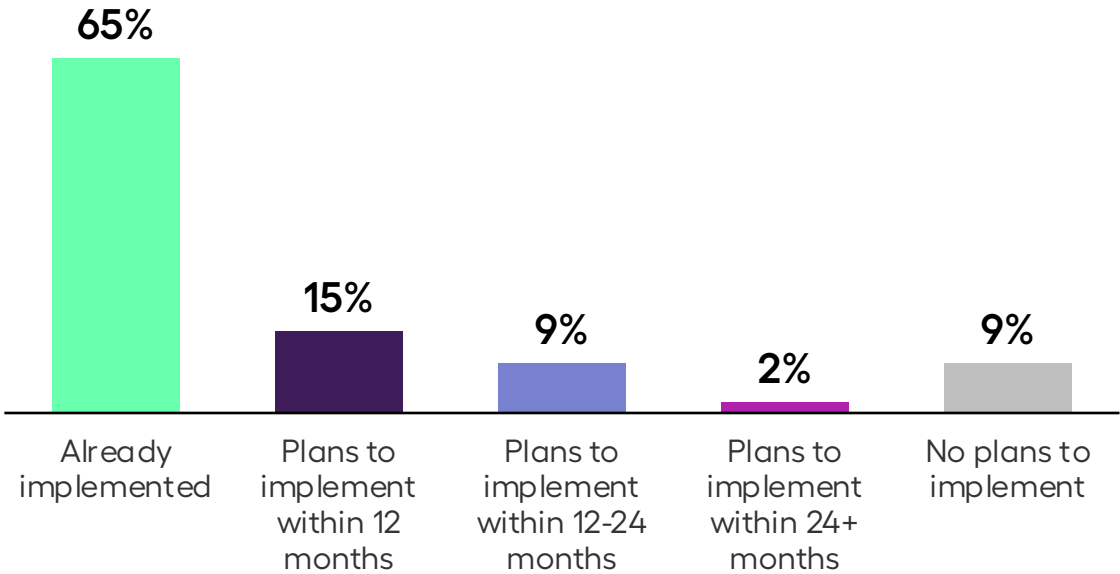amongst organizations with 15,000+ employees*

vs.

68%
amongst organizations with 2,500 – 14,999 employees*

*Small base sizes, insight is directional.

Clinical Decision Support Tool

65%	15%	9%	2%	9%
Already implemented	Plans to implement within 12 months	Plans to implement within 12-24 months	Plans to implement within 24+ months	No plans to implement

Base: Total Respondents; n = 55
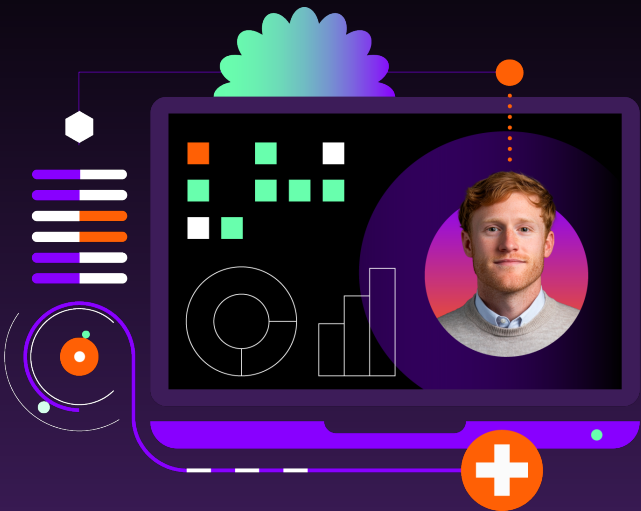
Multi-hospital systems are less likely to standardize templates for medical conditions within the next 12 months

33%
amongst AMC/
Stand-alone/Specialty*

vs.

9%
amongst
IDN/Multi-Hospitals

*Small base sizes, insight is directional.

Standardizing Templates for Medical Conditions

Already implemented	Plans to implement within 12 months	Plans to implement within 12-24 months	Plans to implement within 24+ months	No plans to implement
67%	18%	4%	0%	11%

Base: Total Respondents; n = 55

Larger organizations are significantly more likely to implement a decision-making tool for preferred providers within the next 12 months

38%
amongst organizations with 7,500+ employees

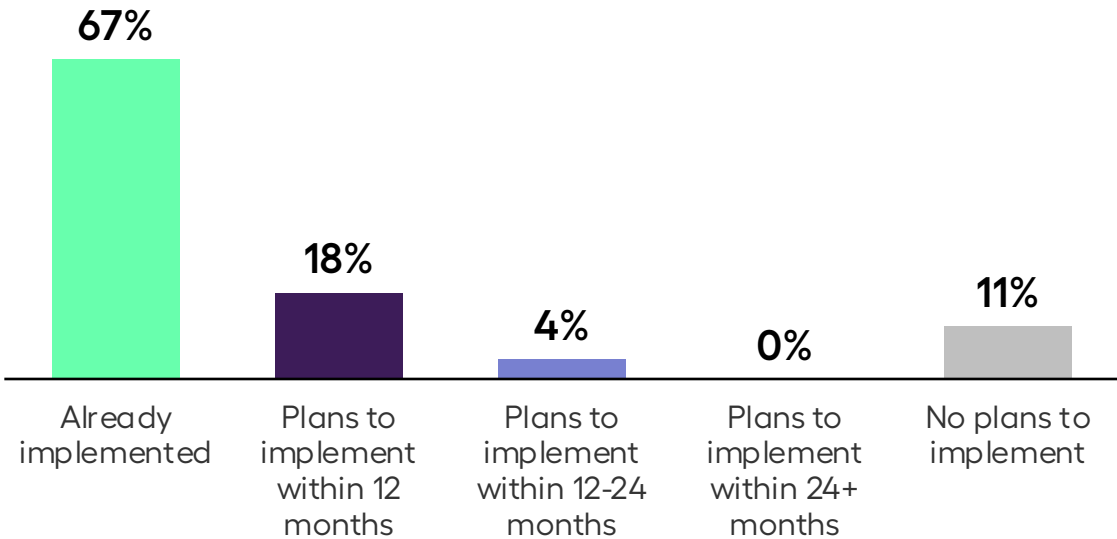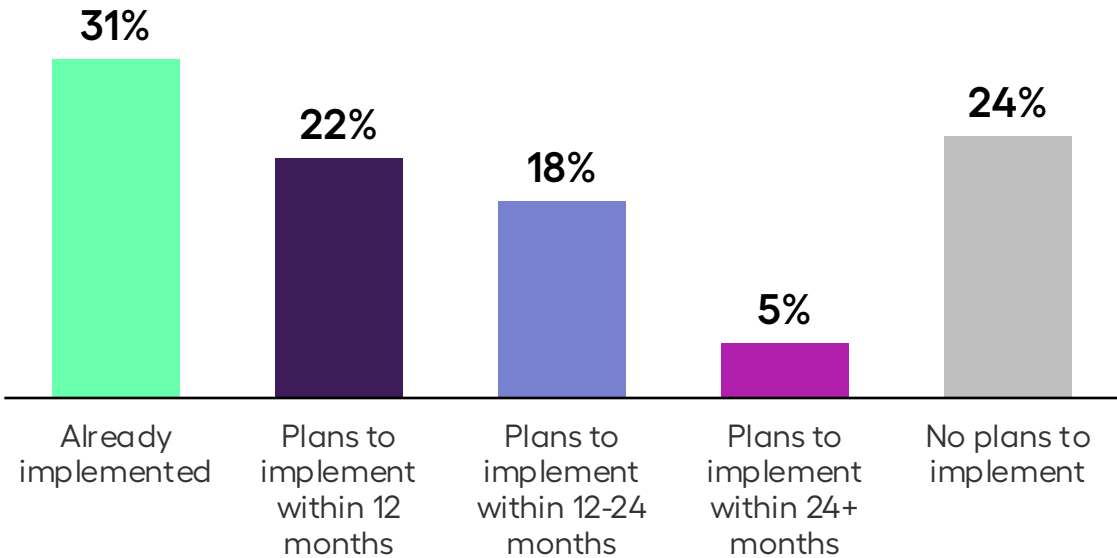**vs.**

10%
amongst organizations with <7,500 employees

Decision-Making Tool for Preferred Provider Networks

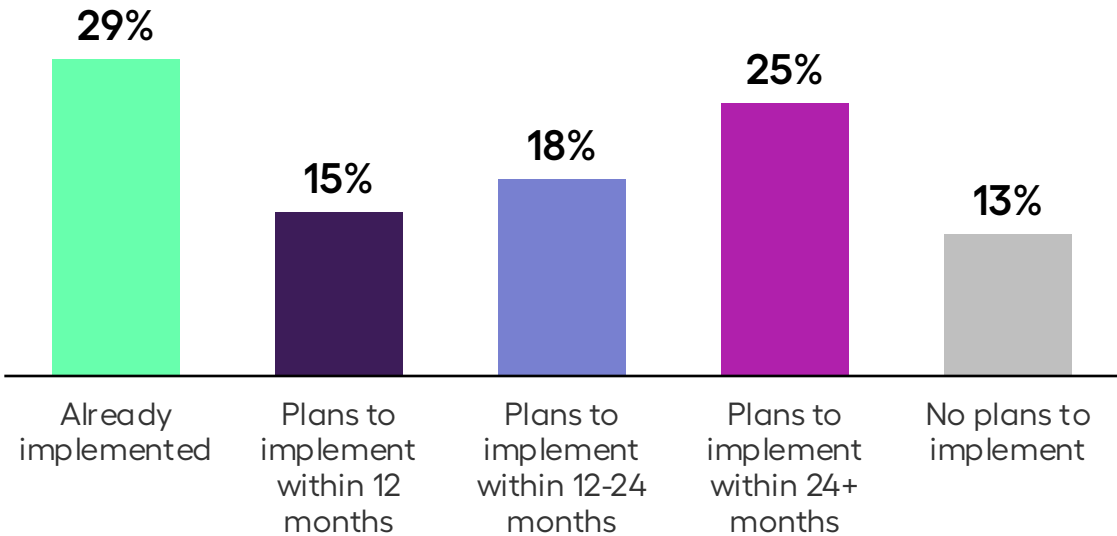| Already implemented	Plans to implement within 12 months	Plans to implement within 12-24 months	Plans to implement within 24+ months	No plans to implement
31%	22%	18%	5%	24%

Base: Total Respondents; n = 55

Epic users are more likely to have already implemented AI/ML

43%
amongst organizations that use Epic

vs.

12%
amongst organizations that use other EHRs

Artificial Intelligence (AI)/Machine Learning (ML)

29%	15%	18%	25%	13%
Already implemented	Plans to implement within 12 months	Plans to implement within 12-24 months	Plans to implement within 24+ months	No plans to implement

Base: Total Respondents; n = 55

Those in a C-suite role are more likely to implement AI/ML within the next 12 months
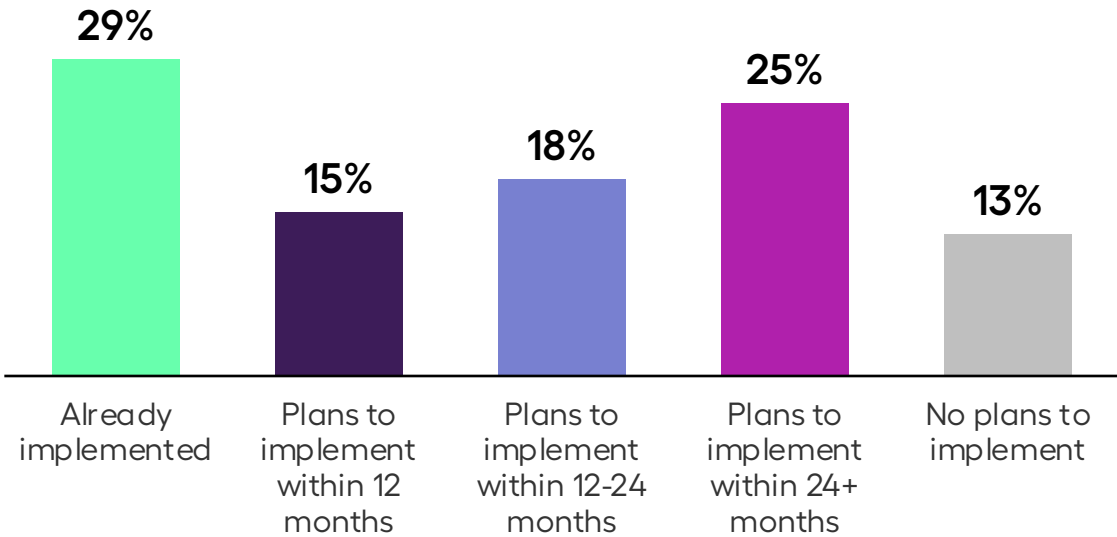
30%
amongst C-suite titles*

vs.

7%
amongst EVP to director-level titles

*Small base sizes, insight is directional.

Artificial Intelligence (AI)/Machine Learning (ML)

29%	15%	18%	25%	13%
Already implemented	Plans to implement within 12 months	Plans to implement within 12-24 months	Plans to implement within 24+ months	No plans to implement

Base: Total Respondents; n = 55

82%

are satisfied with their current analytics platform

Organizations with 15,000+ employees are significantly more likely to be very/somewhat satisfied with their current analytics platform solutions compared to organizations with 2,500-14,999 employees.
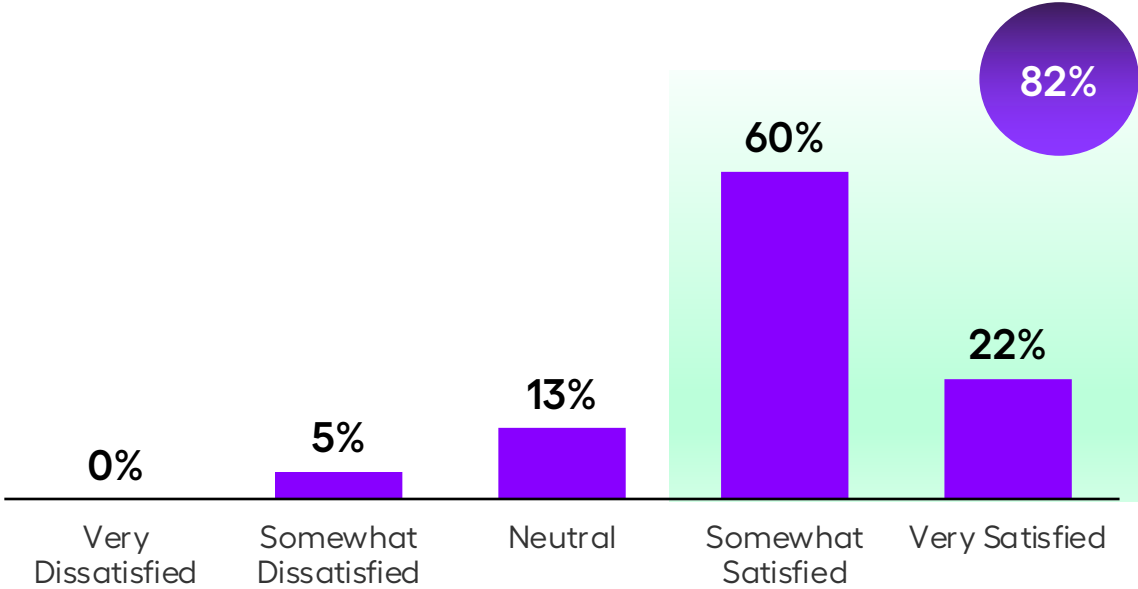
100%
amongst organizations with 15,000+ employees*

vs.

68%
amongst organizations with 2,500-14,999 employees*

*Small base sizes, insight is directional.

How satisfied are you with your current analytics platform solution(s)?

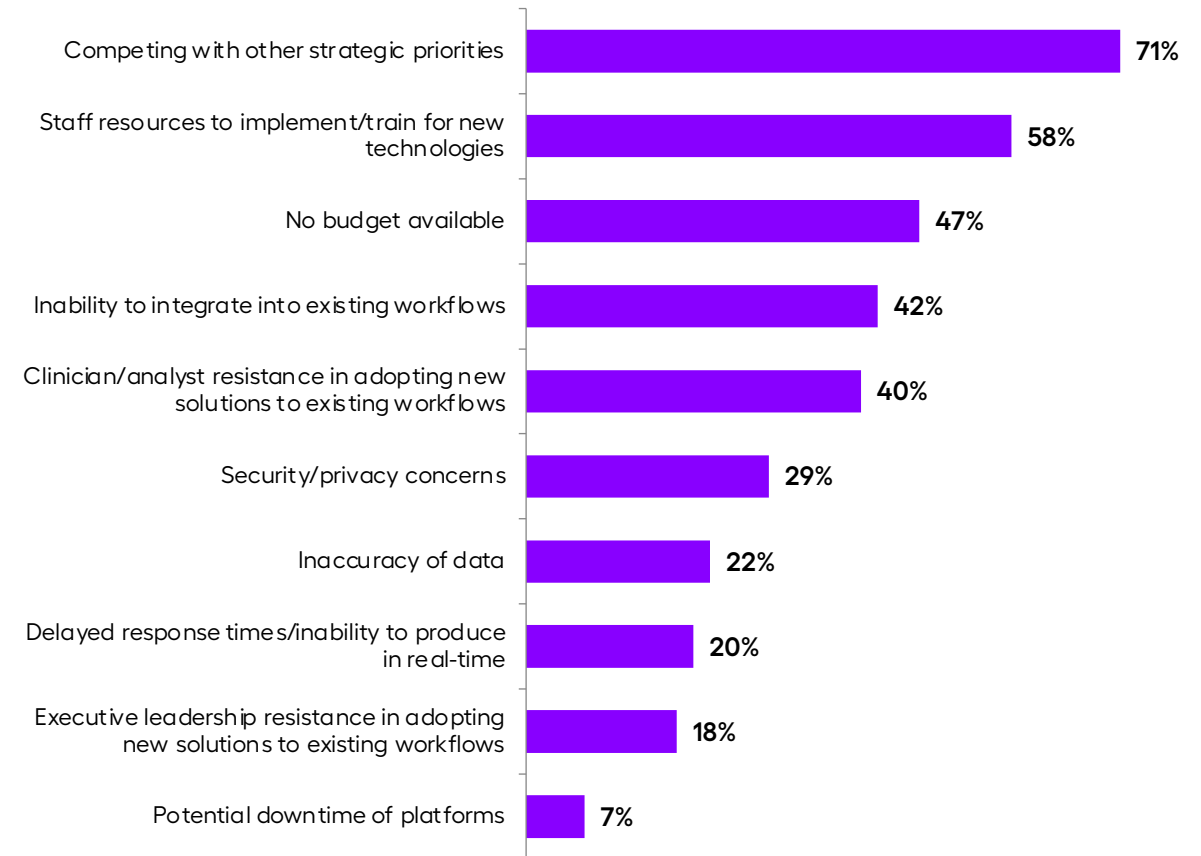|				
0%	5%	13%	60%	22%
Very Dissatisfied	Somewhat Dissatisfied	Neutral	Somewhat Satisfied	Very Satisfied

82%

Base: Total Respondents; n = 55

7-in-10

stated that other strategic priorities get in the way of investing in analytics platforms
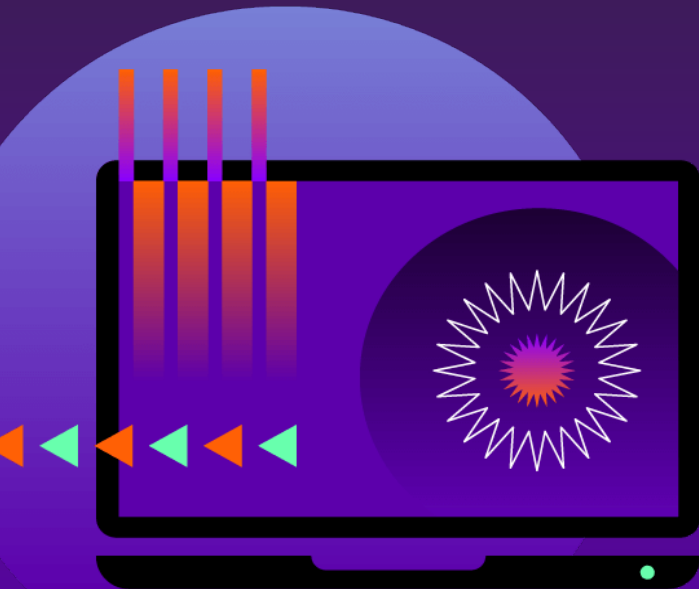
Which of the following, if any, are challenges or barriers that your organization faces with investments in an analytics platform(s) or upgrades/modernization to current analytics platforms?

Challenge/Barrier	%
Competing with other strategic priorities	71%
Staff resources to implement/train for new technologies	58%
No budget available	47%
Inability to integrate into existing workflows	42%
Clinician/analyst resistance in adopting new solutions to existing workflows	40%
Security/privacy concerns	29%
Inaccuracy of data	22%
Delayed response times/inability to produce in real-time	20%
Executive leadership resistance in adopting new solutions to existing workflows	18%
Potential downtime of platforms	7%

'Other' 4% & 'We do not have any barriers at this time' 4%, not shown
Base: Total Respondents; n = 55

Smaller organizations are less likely to report challenges with workflow adoption
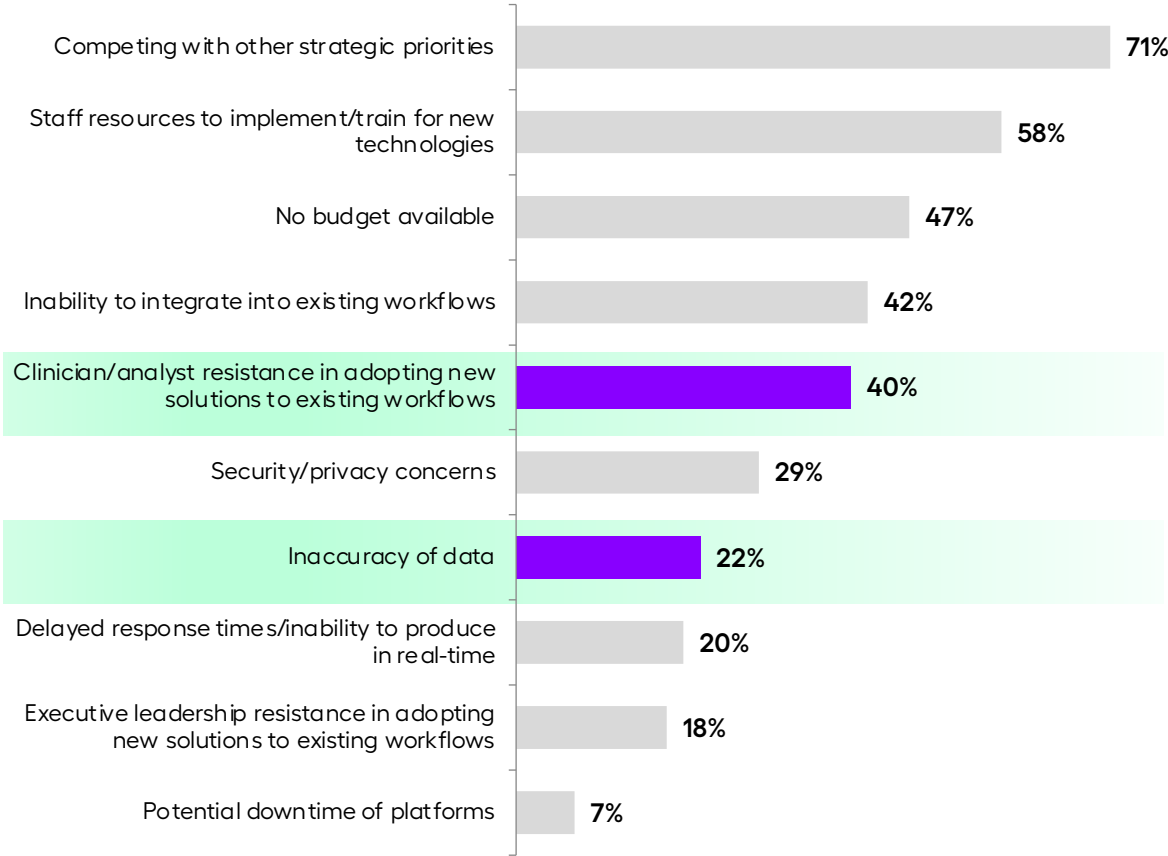
55%
amongst <1,000 hospital beds

vs.

18%
amongst 1,000+ hospital beds*

Decision makers are more likely to report challenges with inaccurate data

36%
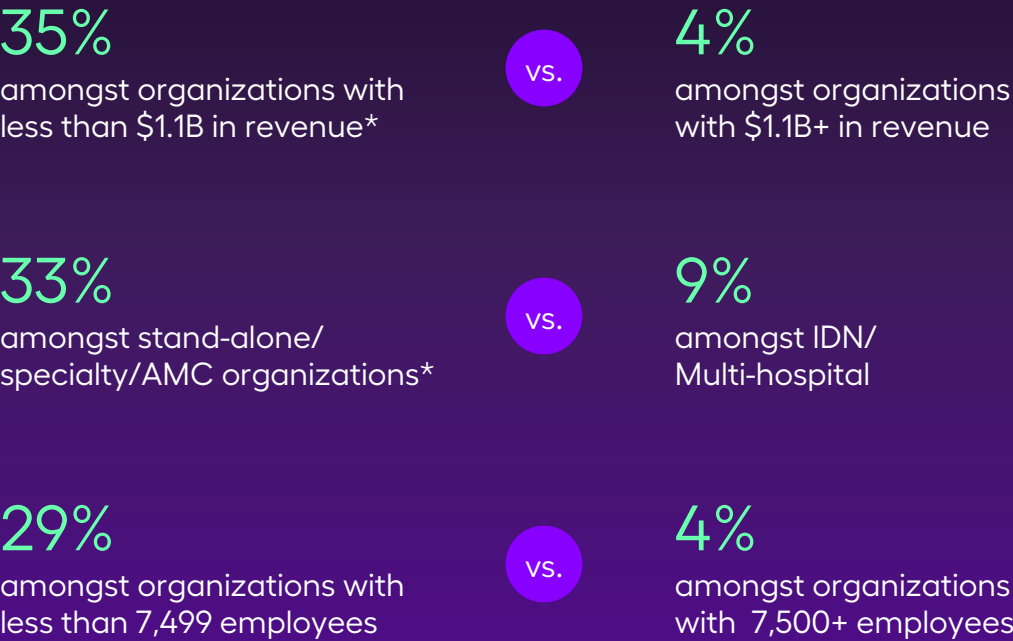amongst decision makers*

vs.

12%
amongst influencers

*Small base sizes, insight is directional.

Which of the following, if any, are challenges or barriers that your organization faces with investments in an analytics platform(s) or upgrades/modernization to current analytics platforms?

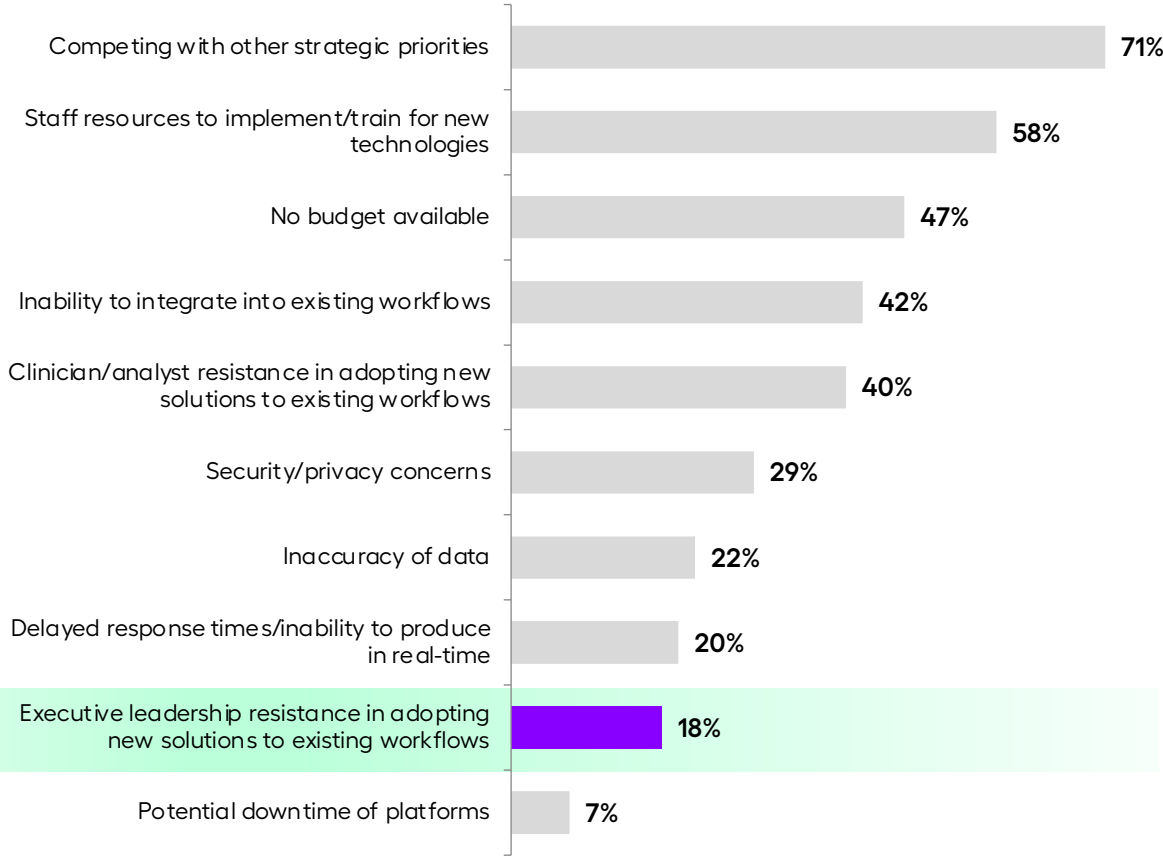|	
Competing with other strategic priorities	71%
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Potential downtime of platforms	7%

'Other' 4% & 'We do not have any barriers at this time' 4%, not shown
Base: Total Respondents; n = 55

Executives at smaller organizations are more resistant to adopting new solutions

35%
amongst organizations with less than $1.1B in revenue*

vs.

4%
amongst organizations with $1.1B+ in revenue

33%
amongst stand-alone/ specialty/AMC organizations*

vs.

9%
amongst IDN/ Multi-hospital

29%
amongst organizations with less than 7,499 employees

vs.

4%
amongst organizations with 7,500+ employees

*Small base sizes, insight is directional.

Which of the following, if any, are challenges or barriers that your organization faces with investments in an analytics platform(s) or upgrades/modernization to current analytics platforms?

Barrier	%
Competing with other strategic priorities	71%
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Executive leadership resistance in adopting new solutions to existing workflows	18%
Potential downtime of platforms	7%

'Other' 4% & 'We do not have any barriers at this time' 4%, not shown
Base: Total Respondents; n = 55

IT, tech, and clinician roles are more likely to report resistance from executive leadership
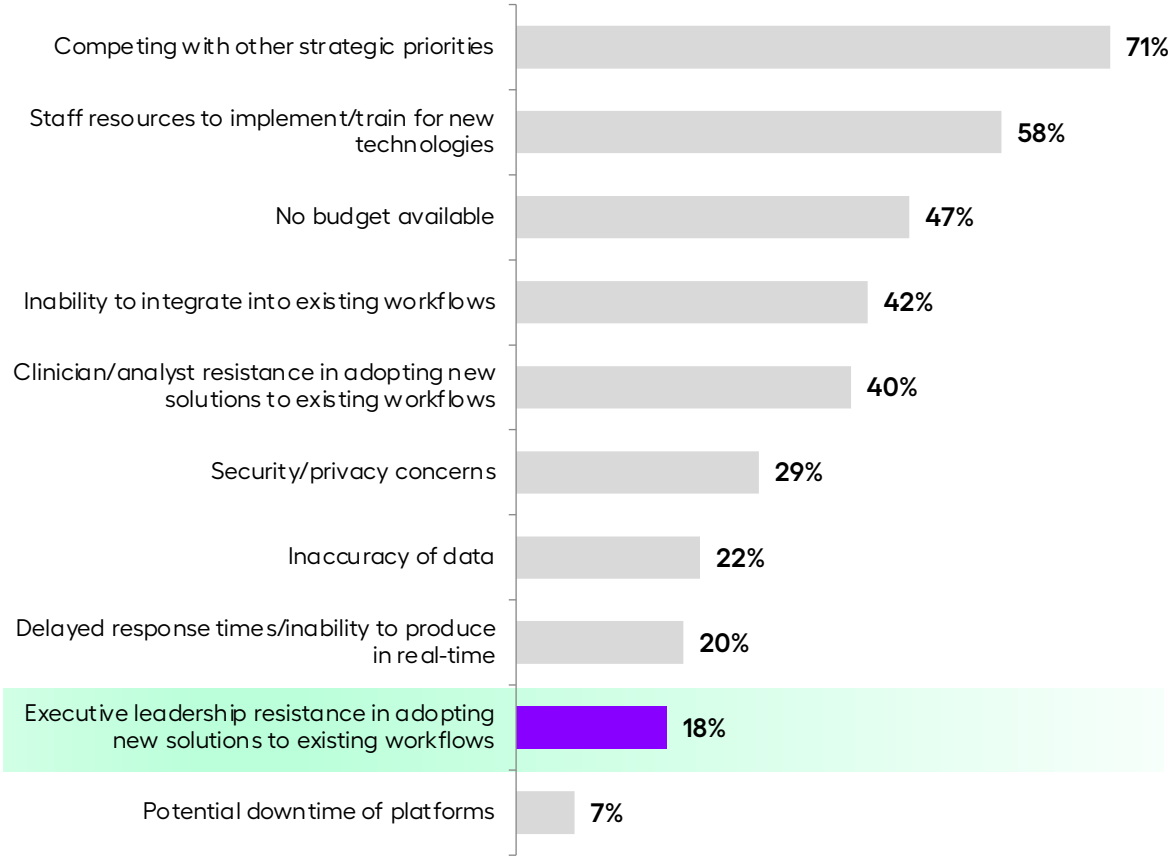
29%
amongst IT, tech, and clinicians

vs.

7%
amongst executive leadership

*Small base sizes, insight is directional.

Which of the following, if any, are challenges or barriers that your organization faces with investments in an analytics platform(s) or upgrades/modernization to current analytics platforms?

Category	%
Competing with other strategic priorities	71%
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Executive leadership resistance in adopting new solutions to existing workflows	18%
Potential downtime of platforms	7%

'Other' 4% & 'We do not have any barriers at this time' 4%, not shown
Base: Total Respondents; n = 55

Nearly a third stated that their organization's data is less than 76% accurate

Only 57% of their organization's data is being used to make intelligent business decisions

What percent of your organization's data is…?

■ Accurate ■ Currently being used to make intelligent business decisions

Category	Accurate	Currently being used
Less than 10%	2%	4%
11%-25%	5%	9%
26%-50%	5%	27%
51%-75%	20%	24%
76%-99%	53%	24%
100%	4%	5%
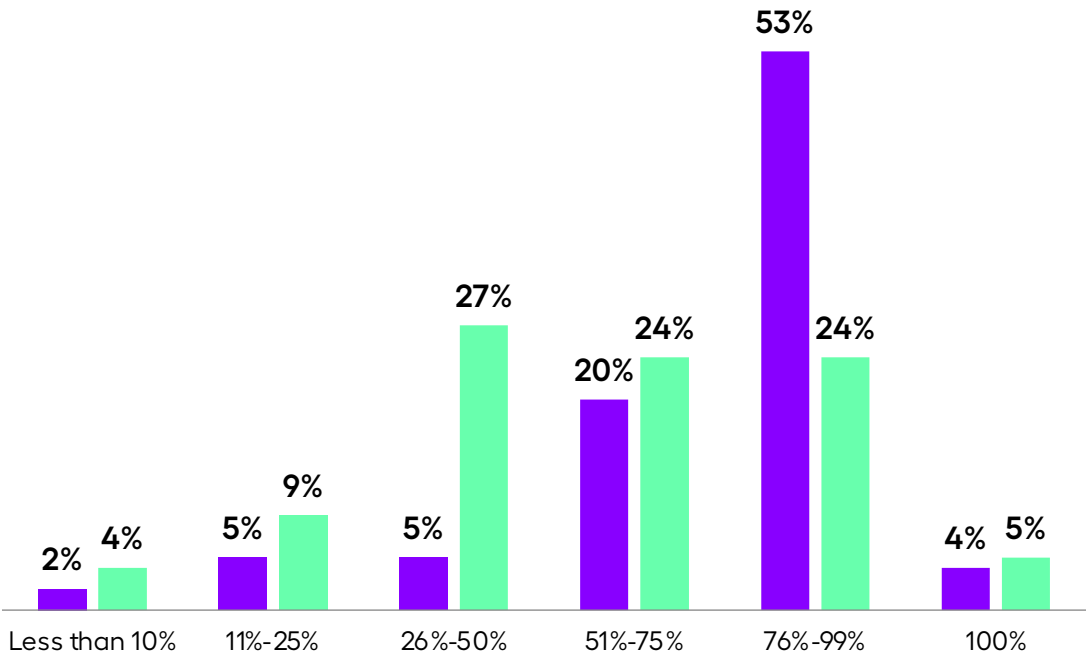
Unsure/Don't know (11% & 7%), not shown
Base: Total Respondents; n = 55

Executive leadership is more likely to report having accurate data

80%
amongst those in executive leadership roles

vs.

67%
amongst those in IT, tech or clinician roles
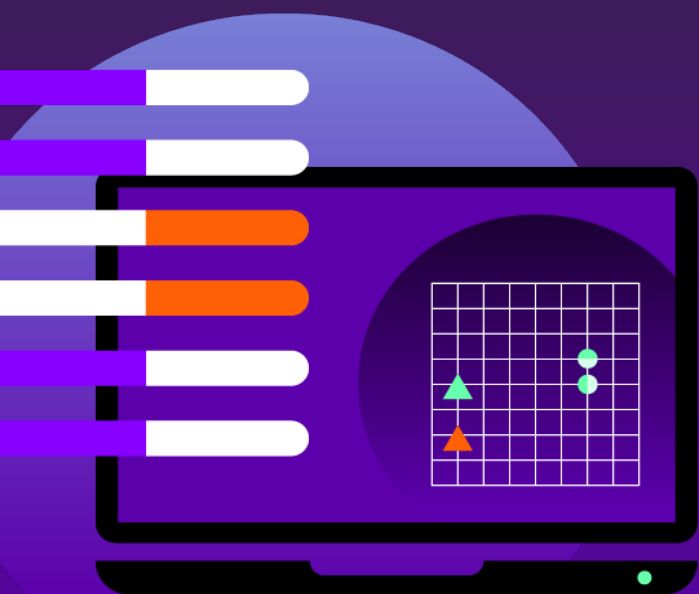
What percent of your organization's data is…?

■ Accurate   ■ Currently being used to make intelligent business decisions

	Less than 10%	11%-25%	26%-50%	51%-75%	76%-99%	100%
Accurate	2%	5%	5%	20%	53%	4%
Currently being used	4%	9%	27%	24%	24%	5%
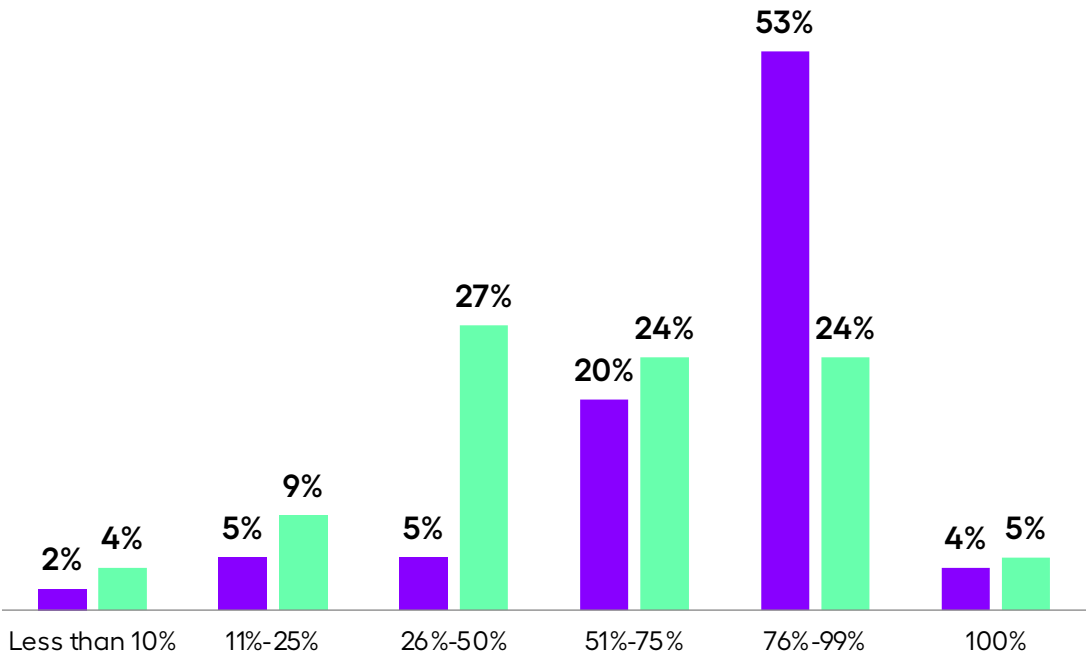
Unsure/Don't know (11% & 7%), not shown
Base: Total Respondents; n = 55

Larger organizations are more likely to report that their data is being used to make intelligent business decisions

64%
amongst IDNs/
Multi-hospitals

vs.

48%
amongst stand-alone/
specialty/AMCs*
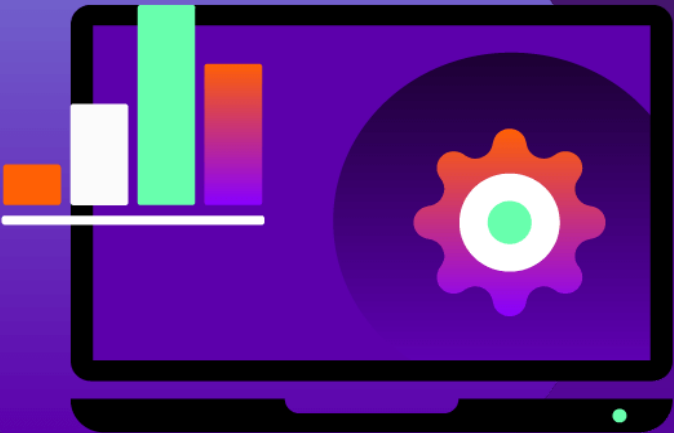
*Small base sizes, insight is directional

What percent of your organization's data is…?

■ Accurate   ■ Currently being used to make intelligent business decisions

	Accurate	Currently being used
Less than 10%	2%	4%
11%-25%	5%	9%
26%-50%	5%	27%
51%-75%	20%	24%
76%-99%	53%	24%
100%	4%	5%
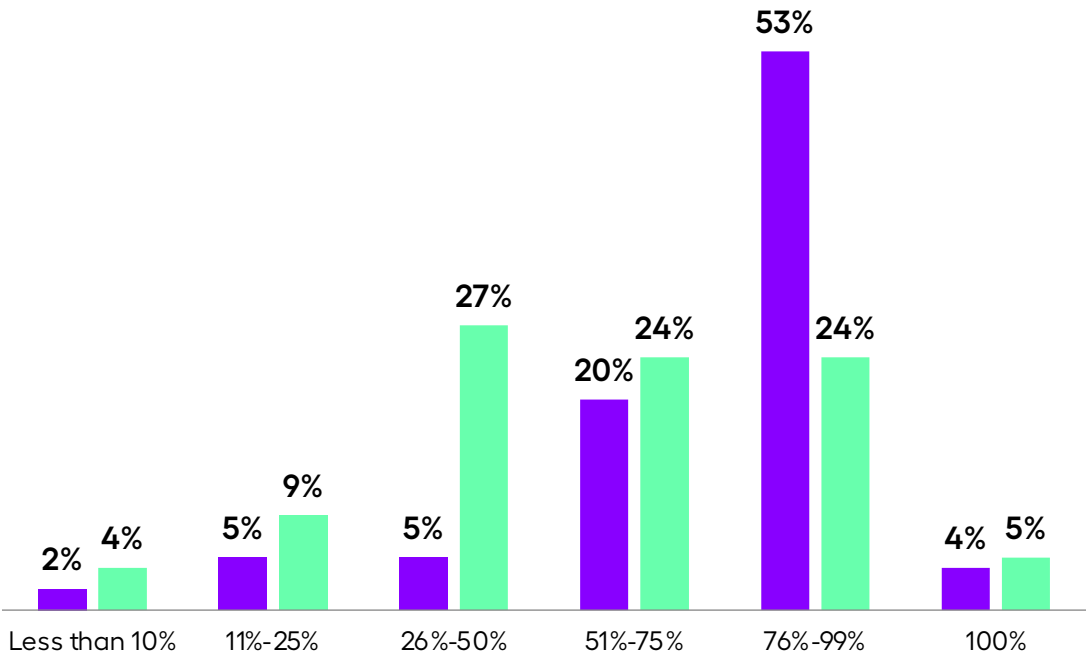
Unsure/Don't know (11% & 7%), not shown
Base: Total Respondents; n = 55

Research Methodology
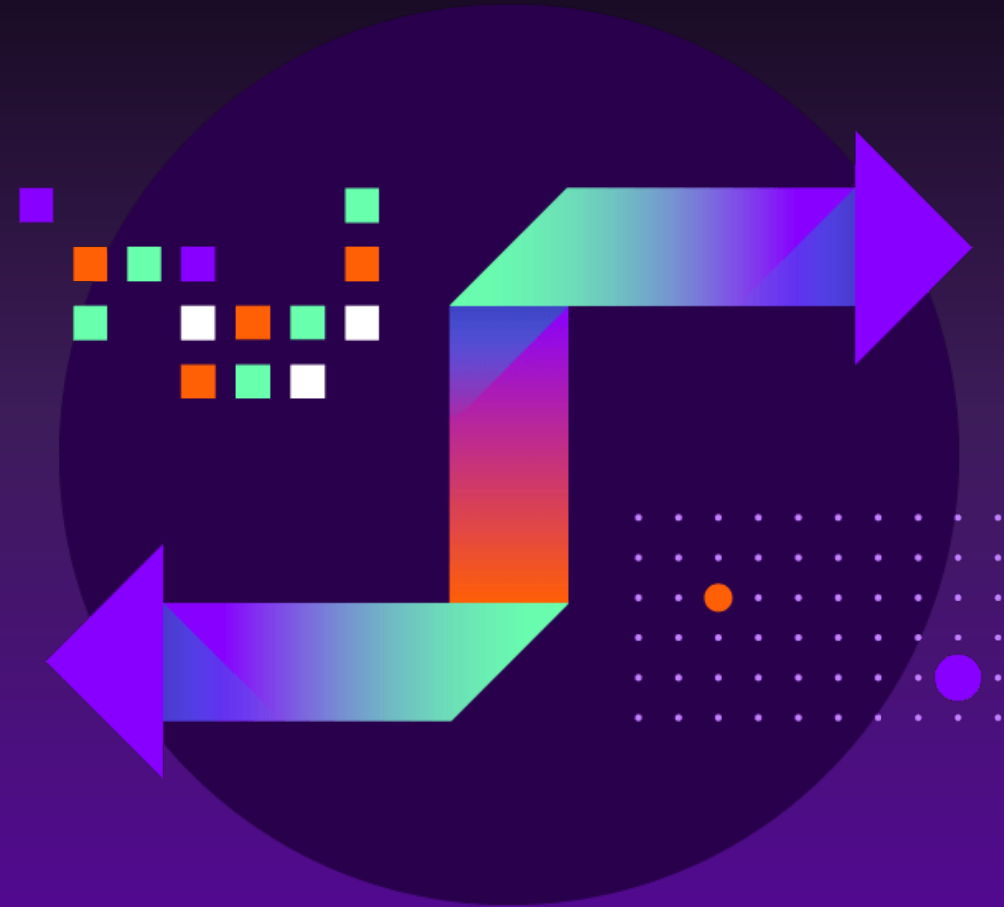
Research Methodology

Methodology

- This research was conducted online in December 2022 to early January 2023 amongst executive, IT, technology, and clinical leaders in healthcare in the United States.

- Respondents were screened for having a role in decision making or influence regarding the selection of and/or the strategy/innovation of data analytics platforms at their organization.

- A total of 55 qualified respondents participated in this research.

- This was a blind data collection effort; Arcadia was not identified as a sponsor of the research.
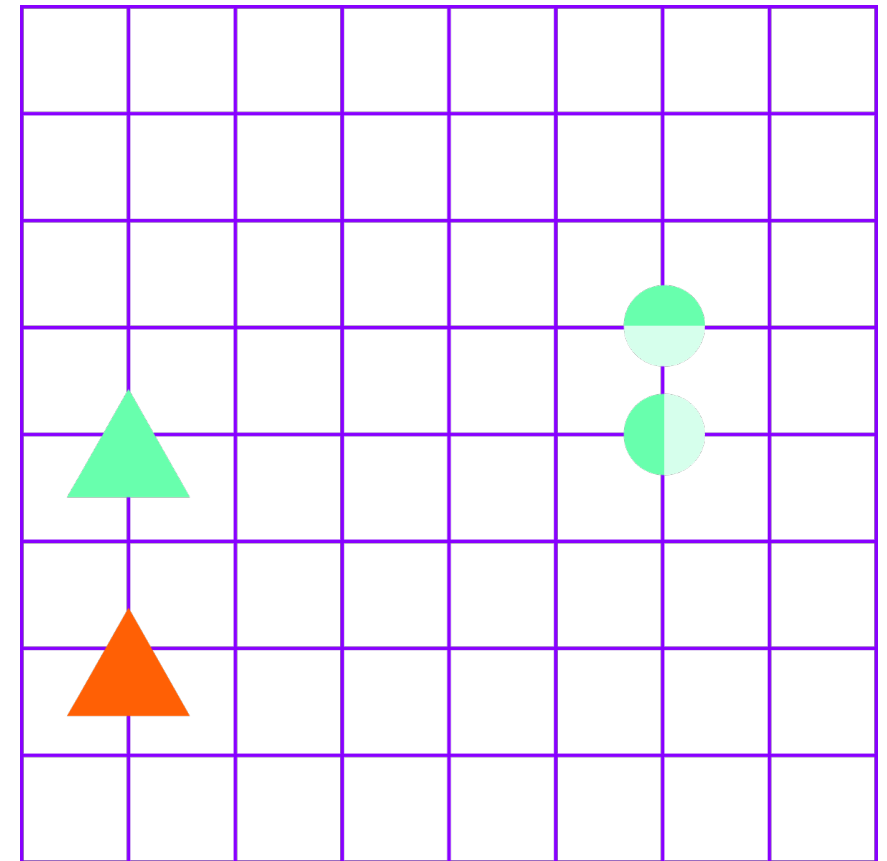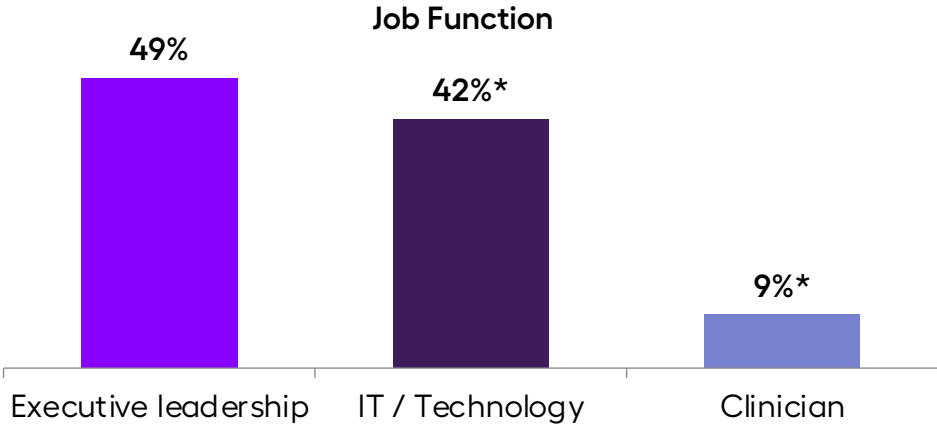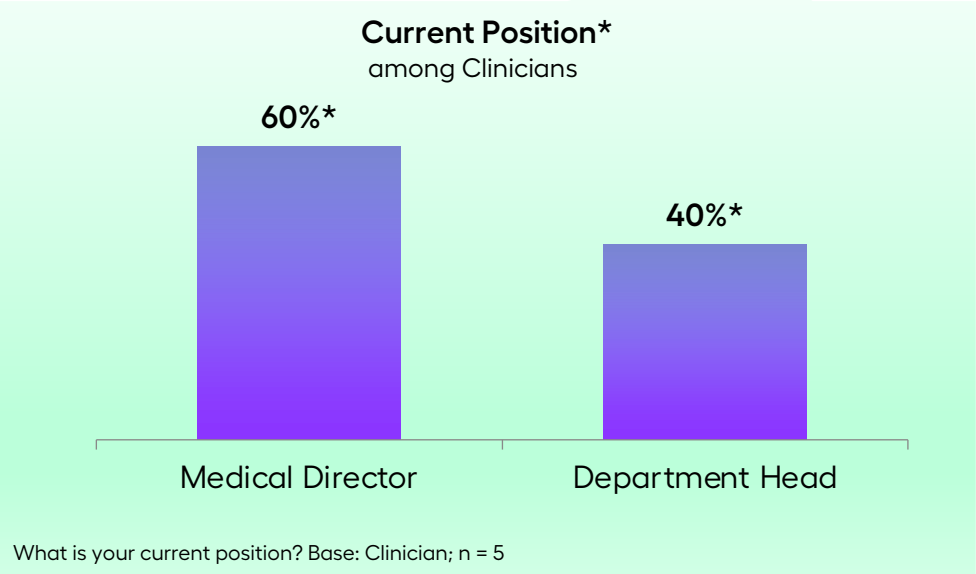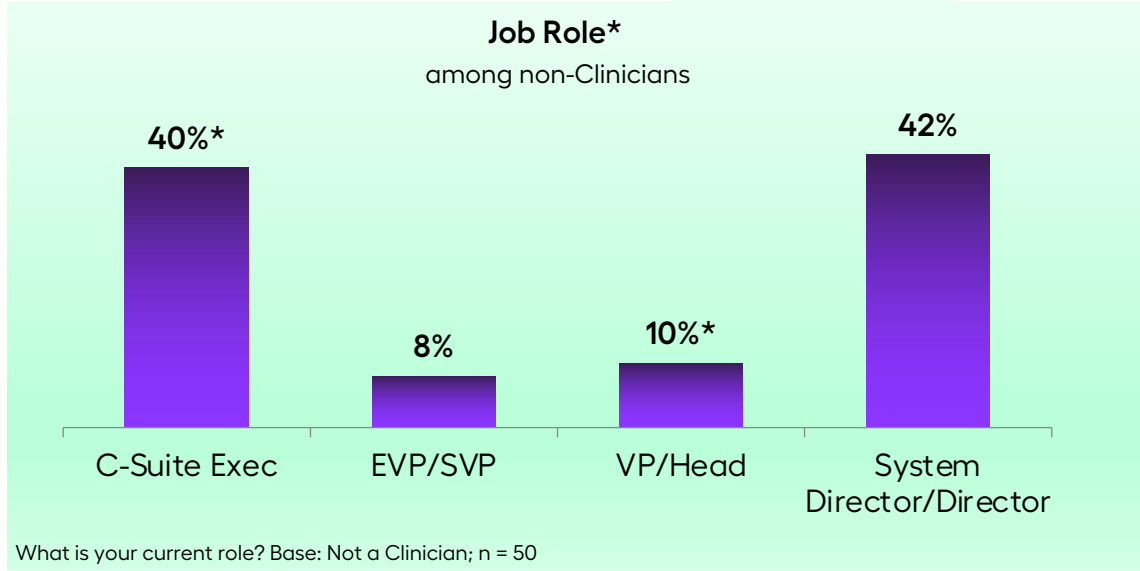
Respondent Profile

Role in Selection and/or Strategy/ Innovation of Data Analytics Platforms

Influencer 60%

Decision Maker 40%
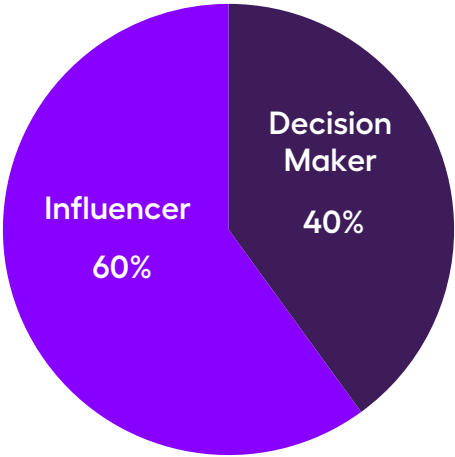
Which of the following best describes your role regarding the selection of and/or the strategy/innovation of data analytics platforms at your organization? Base: Total Respondents; n = 55
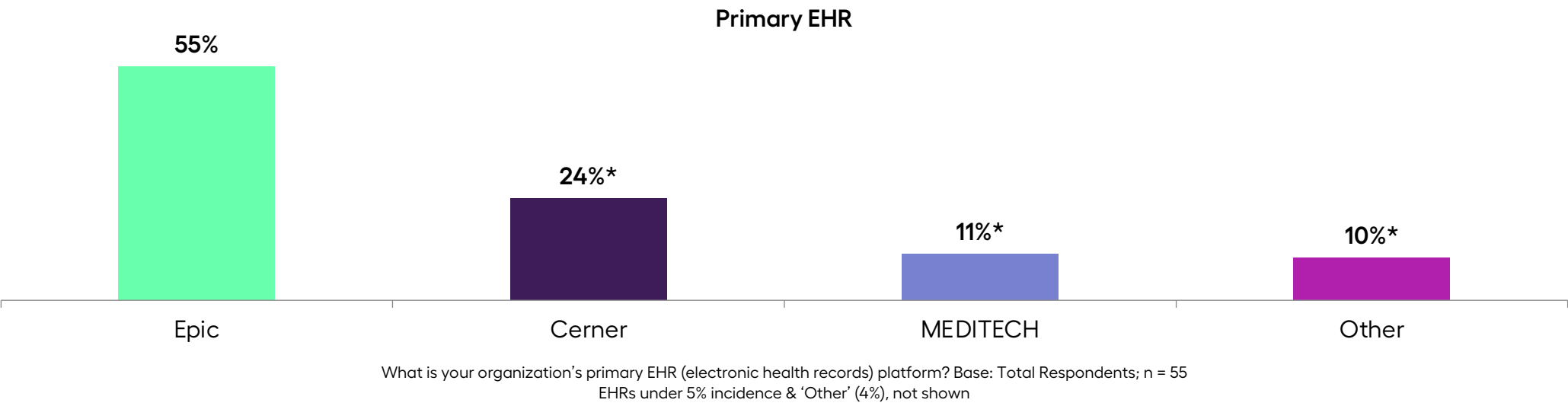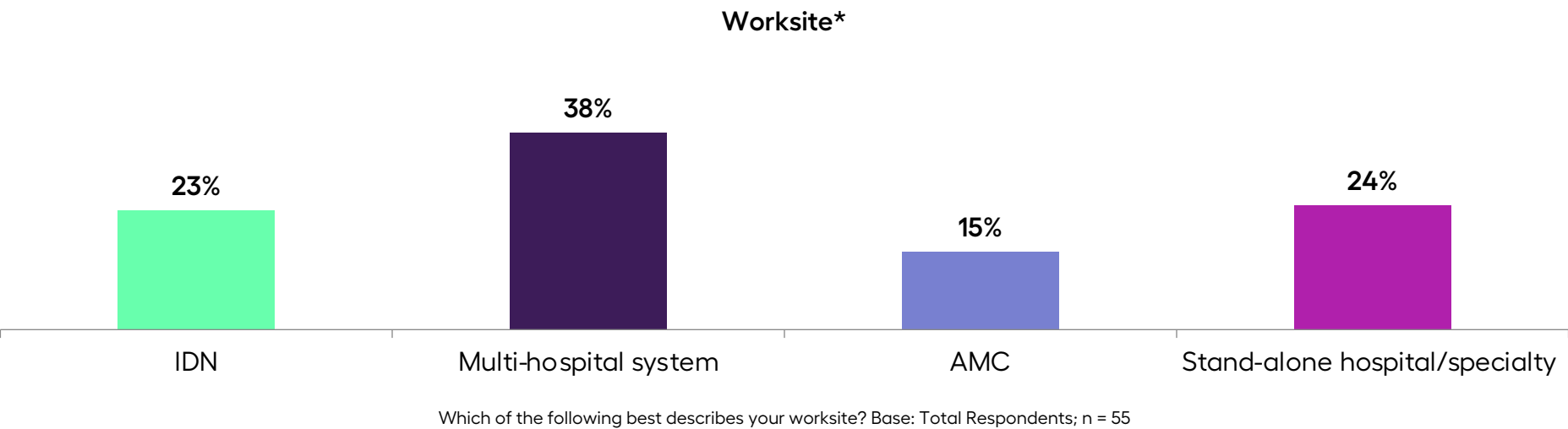
Job Function

Executive leadership	IT / Technology	Clinician
49%	42%*	9%*

How would you characterize your job role or function? Base: Total Respondents; n = 55

Job Role*
among non-Clinicians

C-Suite Exec	EVP/SVP	VP/Head	System Director/Director
40%*	8%	10%*	42%

What is your current role? Base: Not a Clinician; n = 50

Current Position*
among Clinicians

Medical Director	Department Head
60%*	40%*

What is your current position? Base: Clinician; n = 5

*Small base sizes, insight is directional

Organizational Profile

Worksite*

- IDN — 23%
- Multi-hospital system — 38%
- AMC — 15%
- Stand-alone hospital/specialty — 24%

Which of the following best describes your worksite? Base: Total Respondents; n = 55

Primary EHR

- Epic — 55%
- Cerner — 24%*
- MEDITECH — 11%*
- Other — 10%*

What is your organization's primary EHR (electronic health records) platform? Base: Total Respondents; n = 55
EHRs under 5% incidence & 'Other' (4%), not shown

*Small base sizes, insight is directional

Organizational Profile

Annual Revenue*

- 36% — <$250M - $1B
- 31% — $1.1B - $5B
- 16% — $5.1B+
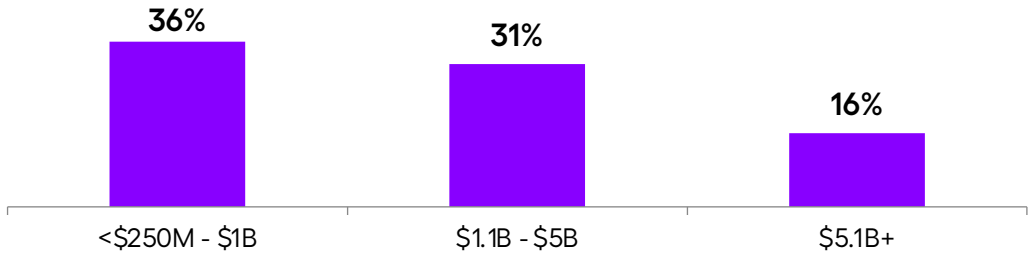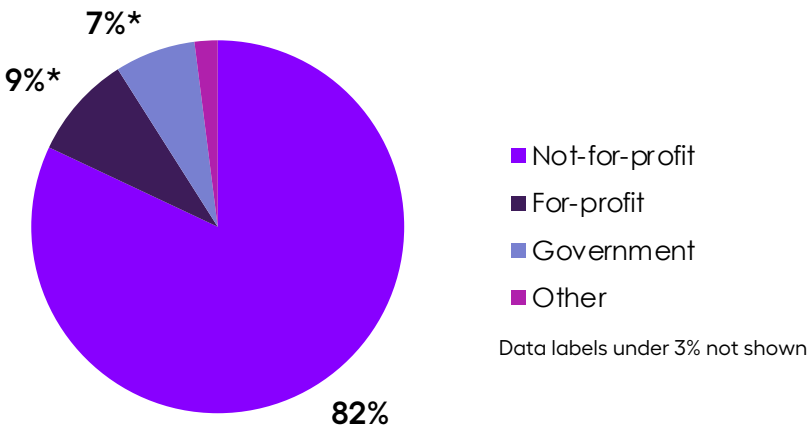
What is your organization's annual net revenue? Base: Total Respondents; n = 55
Don't know/Can't disclose 17%, not shown

Number of Employees*

- 31% — 1-2,499
- 40% — 2,500-14,999
- 29% — 15,000+
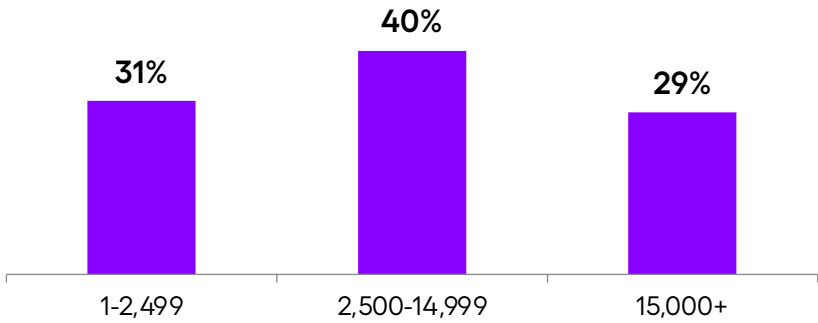
Please tell us the total number of employees in your organization. Base: Total Respondents; n = 55

Ownership

- 82% — Not-for-profit
- 9%* — For-profit
- 7%* — Government
- Other

Data labels under 3% not shown

Which of the following best describes your health system/hospital ownership? Base: Total Respondents; n = 55

Hospital Beds*

- 44% — 499 or less
- 31% — 500-2,499
- 25% — 2,500+
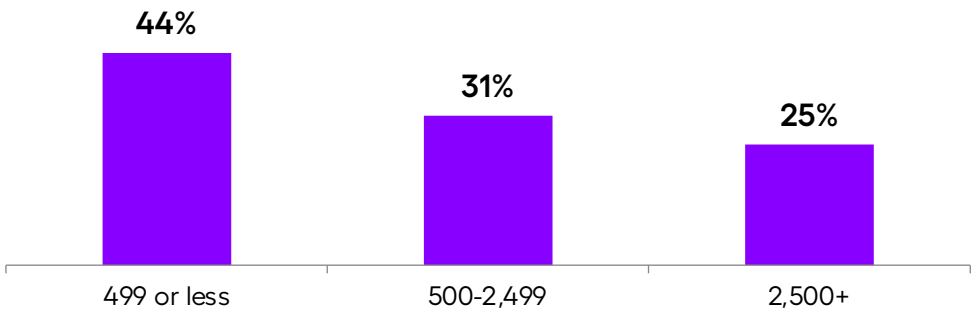
Please tell us the total number of hospital beds in your organization. Base: Total Respondents; n = 55

*Small base sizes, insight is directional

Hear leaders from top healthcare organizations discuss these results at arcadia.io/bigdata

Arcadia helps providers, payers, and government organizations transform healthcare data into predictive insights that drive better outcomes, increase revenue, and reduce costs. Our industry-leading platform amasses data from across the healthcare ecosystem and converts it into actionable analytics, AI-driven intelligence, and performance benchmarks, enabling smarter decisions and accelerating impact across the enterprise. National and regional health systems and payers, along with governmental organizations — including Aetna, Cigna, Highmark Blue Cross Blue Shield, Intermountain Health, Ochsner Health, and the State of California — trust Arcadia to operationalize their data and lead the way in data-driven healthcare. Visit arcadia.io for more information.