



2016 Essentials Brief

Security: Biometrics Study

Snapshot Report

December 2016



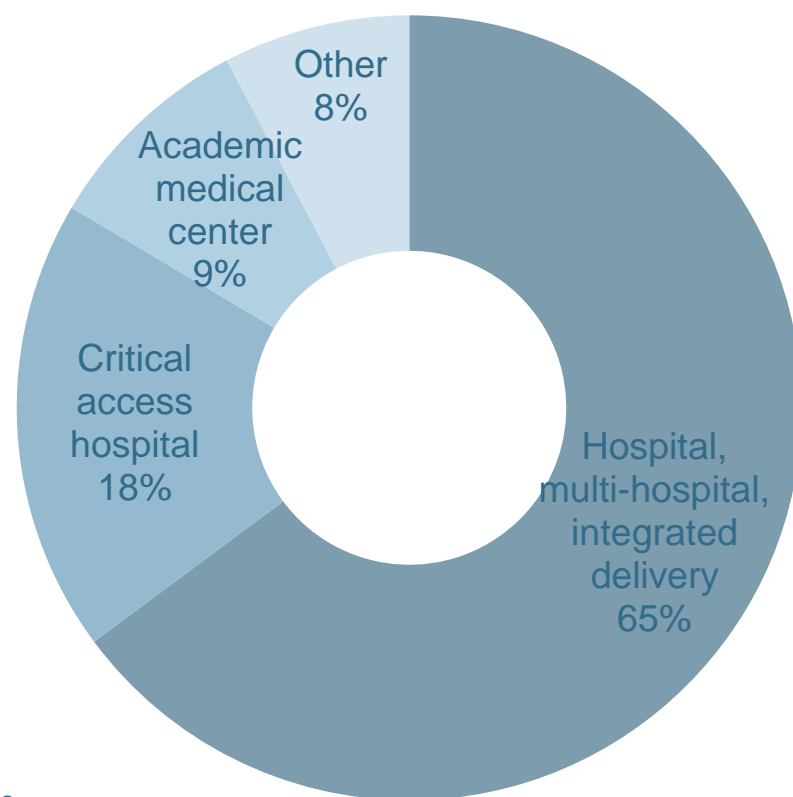
Study Methodology and Demographics

Methodology 1: Web based survey

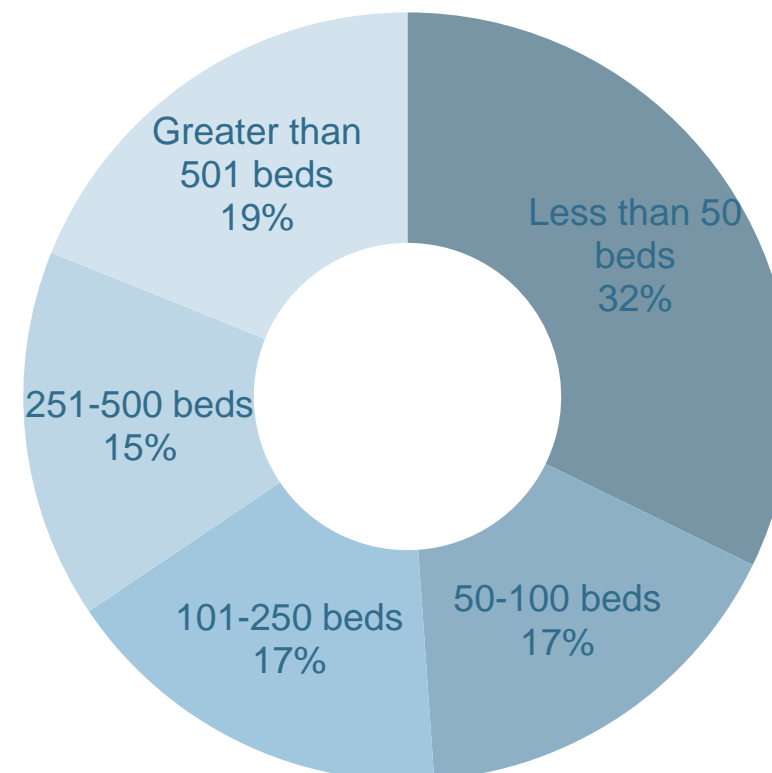
Dates of Data Collection: 11/09/16 – 11/15/16

Target Audience: CTO, CIO, CISO, IT/Security VP/Directors, Patient Care Heads, Patient Access Heads

Number of Respondents: 90



N=90



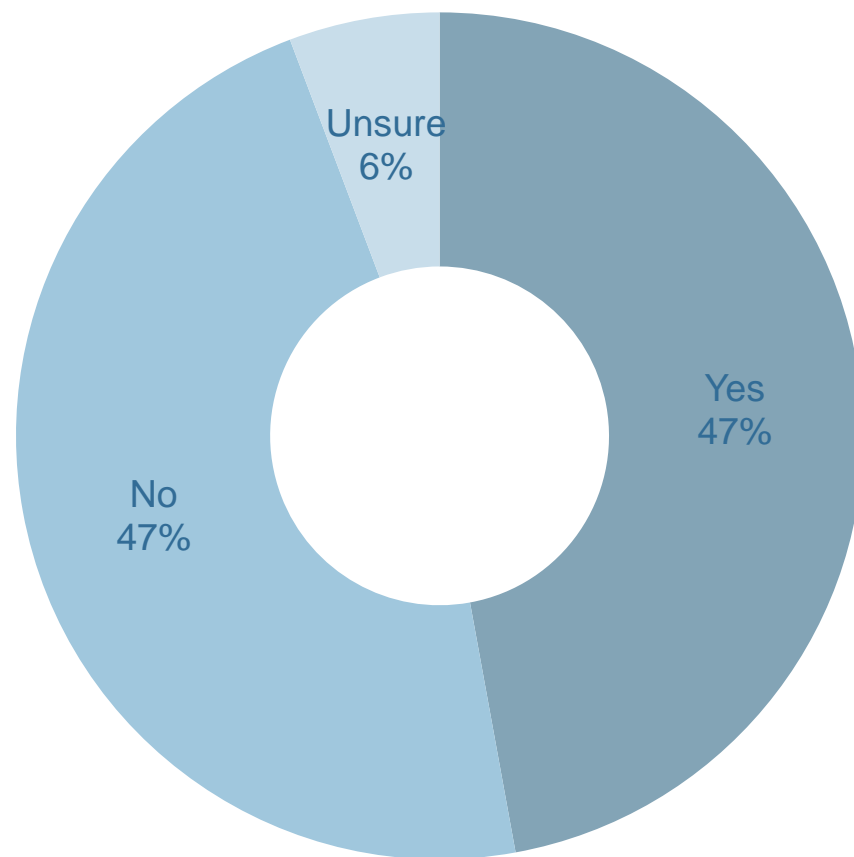
Vendors Mentioned in this Study



Biometrics used for security purposes in healthcare limited

Does your organization currently use biometric solutions?

For the purposes of this study, biometrics refer to technologies and solutions that provide the 'something you are' factor for identification (i.e.: fingerprints, hand geometry, retina or iris scans) versus 'something you know' (i.e.: password, PIN) or 'something you have' (i.e.: smart card)

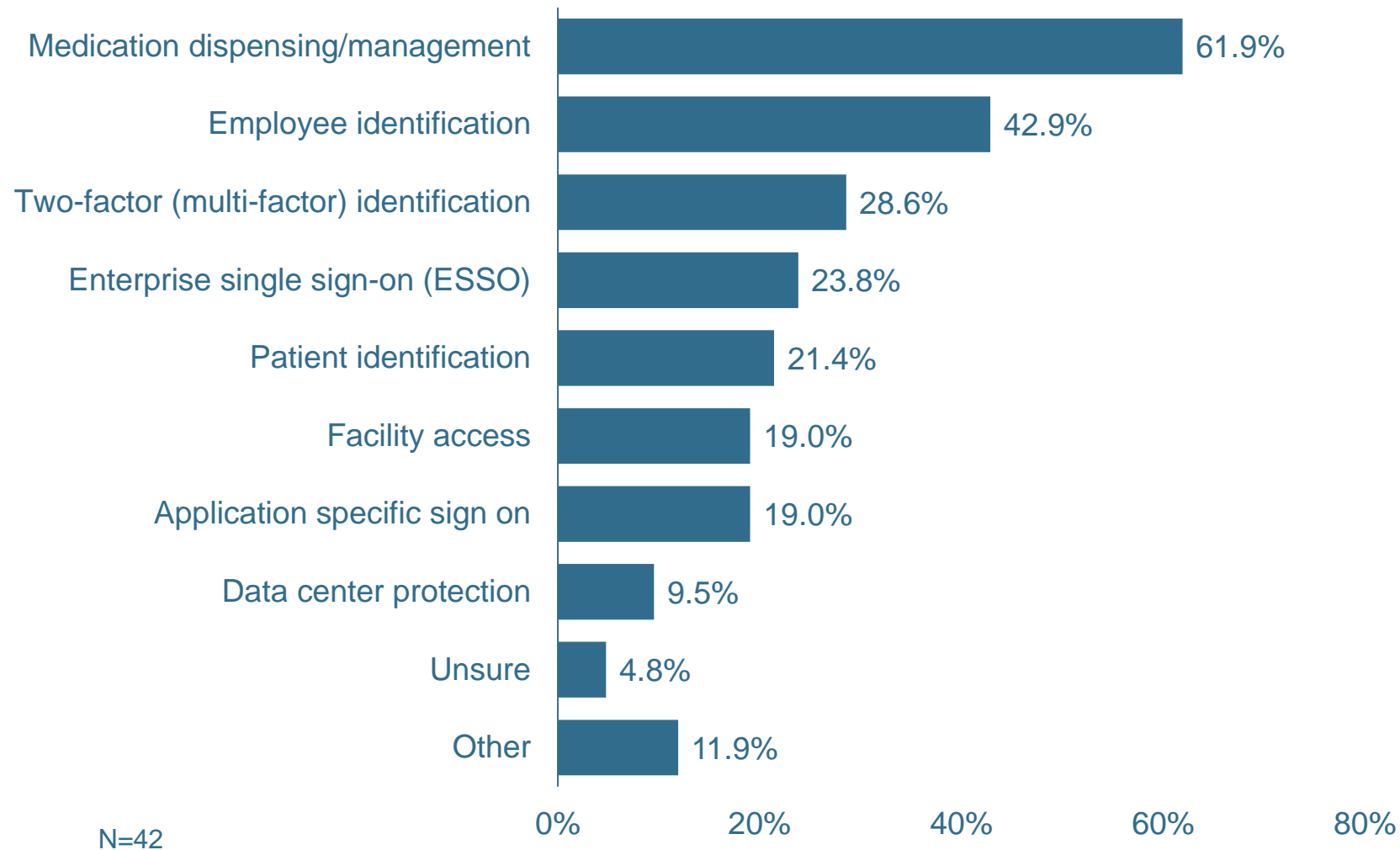


N=90

- As healthcare organizations and providers have moved from the old paper standard to the new electronic world, it has come with some challenges and dangers never before encountered. With the surge in IT adoption it has seemed that data security was somewhat of an afterthought. Now organizations are scrambling to protect their data, their organization, and most importantly their patient population.
- Biometric solutions used for security purposes is beginning to pick up momentum across the healthcare space. Primarily used for medication dispensing and employee identification, there are additional technologies that can be leveraged to better secure access to patient records and data sources.
- This study offers a snapshot of biometrics in healthcare: what technologies are being used for what purpose, vendors in this space, and the potential opportunity for biometrics going forward. The study also looks at some next generation technologies that may emerge in healthcare in the near future.
- The number of respondents using biometrics mirrored those not using biometrics within their organization at 47 percent.

Broad application of biometrics for healthcare

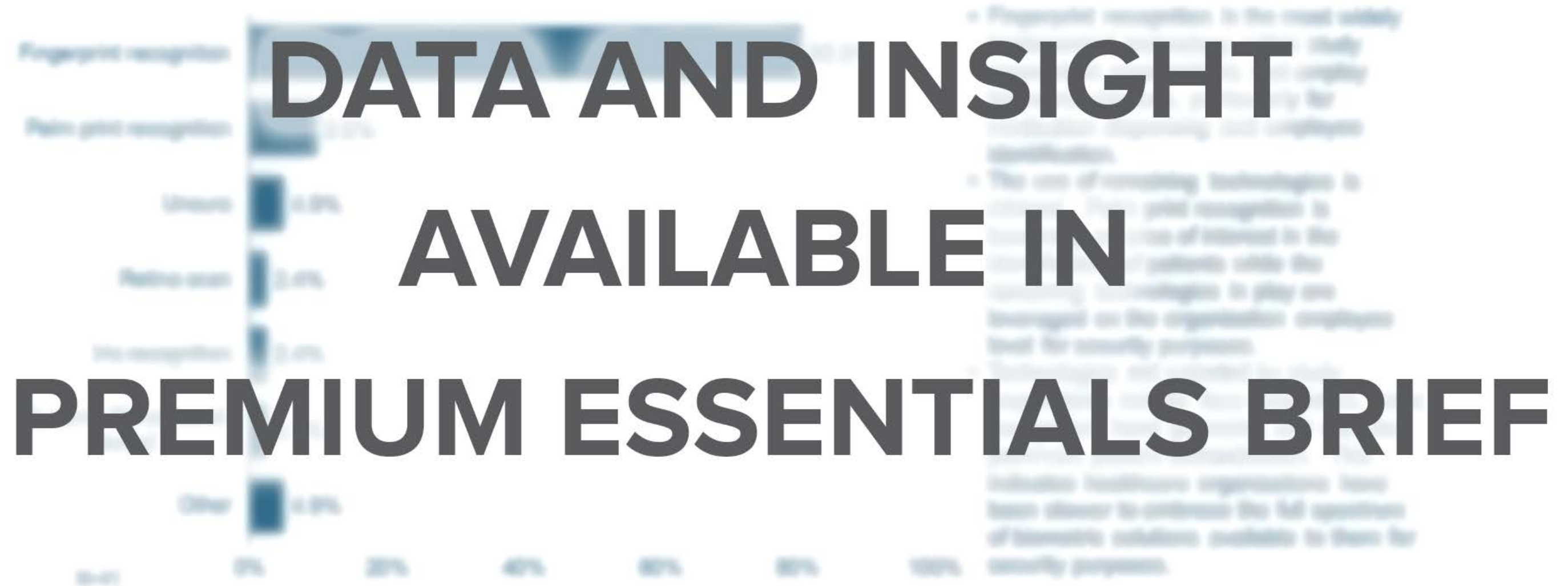
In which of the following areas are biometrics used within your organization? (please select all that apply)



- While certain areas within healthcare organizations have been using biometric technology for some time (i.e.: fingerprint for medication dispensing, employee identification) other areas have been slow to initiate. However, the concept of biometrics are quickly moving away from being considered a convenience for end users to being a necessary security tool.
- Enterprise single sign on (ESSO), patient identification and data center protection have all benefitted from the interest in biometric solutions.
- Two-factor (multi-factor) identification is an area where provider organizations may focus as a combination of security requirements (token and biometric) would strengthen accessibility to facilities, restricted areas, patient data and personal health information.

Which of the following biometric technologies are used within your organization?

Please select all that apply.



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How would you rate the use of biometric solutions within your organization?

Essentials Brief Technology Index: Biometrics

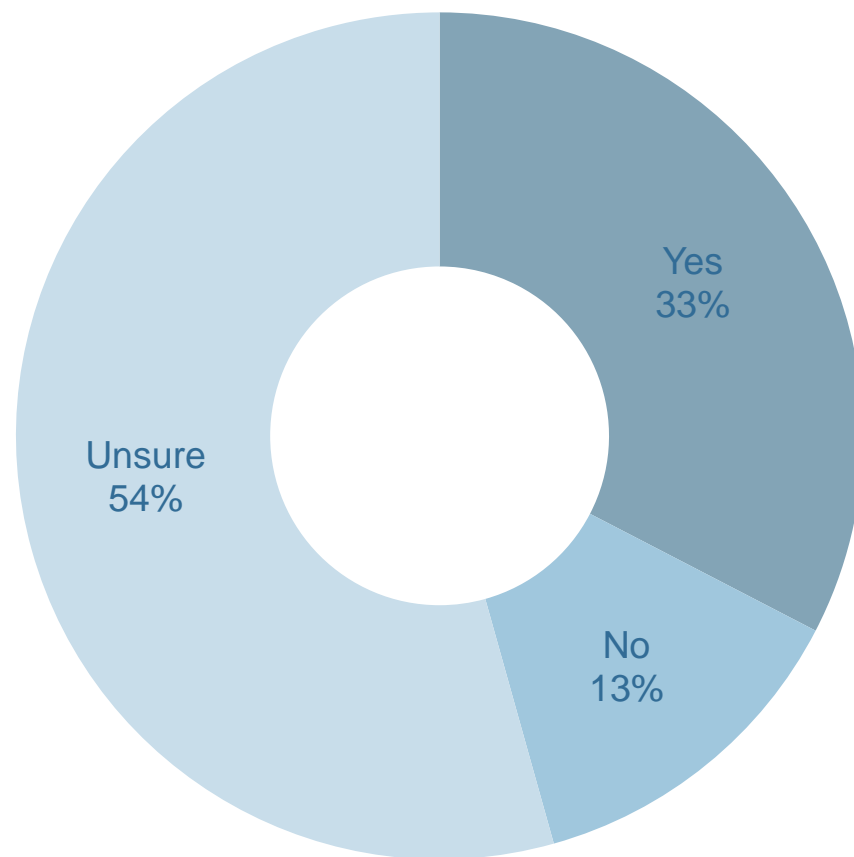
Participants asked to rate effectiveness, reliability, and interoperability of biometric solutions (0=low; 10=high).

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Modest future plans but high ceiling for growth

Does your organization have plans to use biometric solutions?

For the purposes of this study, biometrics refer to technologies and solutions that provide the 'something you are' factor for identification (i.e.: fingerprints, hand geometry, retina or iris scans) versus 'something you know' (i.e.: password, PIN) or 'something you have' (i.e.: smart card)

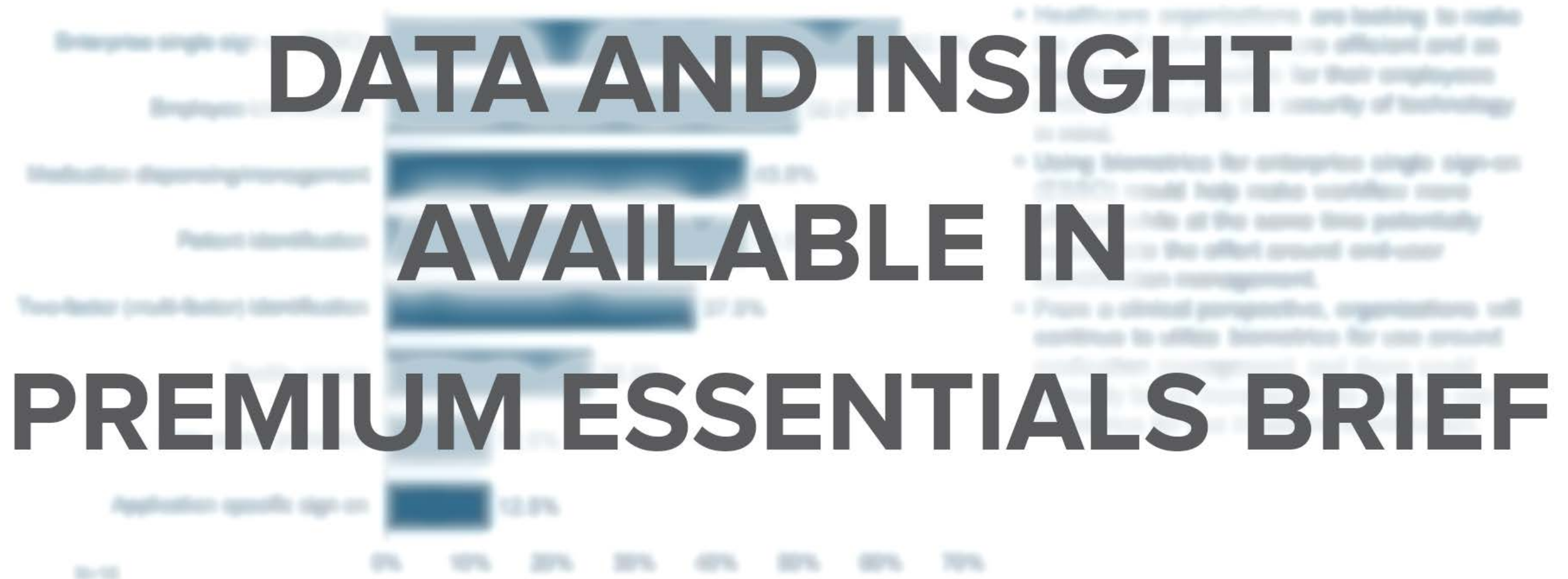


N=48

- Roughly one-third of study respondents who do not currently use biometric solutions within their organization have plans to do so. Larger organizations seem to have more plans to use biometric solutions as just over half fall in the 251 to 500 and greater than 501 bed size facilities. However, data security, patient and employee identification and facility access are universal issues across the healthcare market and interest from smaller facilities of less than 50 beds up to 200 beds registered at roughly 40 percent of those with plans to use biometric solutions.
- Common challenges these organizations are looking to address are:
 - Workflow challenges that come with identity management, clinician workflow and proper access to data
 - Patient identification, specifically the speed at which patients can be registered, the reduction in possible safety events and address any potential issues with fraud
 - Strengthening patient safety by reducing the number of duplicate records

In which of the following areas does your organization plan to employ biometrics?

Please select all that apply



Which of the following biometric technologies does your organization plan to employ within your organization?

Please select all that apply



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Next Generation Security Solutions

Does your organization currently use or plan to use any of the following Next Generation Security Solutions?

- There is no question healthcare IT security is a concern for many provider organizations. Security solutions and technology can certainly help with some of the fears around data access and patient identification. In addition to information there are new technologies in the market that could make an impact on IT security for healthcare organizations in the future.

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Highlights of the 2016 study include:

- Current and future adoption of biometric solutions
- Vendor snapshot for specific biometric solution platforms
- Study respondent drivers around biometric solutions
- Insight into next generation security solutions, such as Direct Secure Messaging (DSM), Next Generation Fire Walls and Blockchain



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