



CLOUD COMPUTING
FORUM
A HIMSS EVENT

FEBRUARY 11, 2019
ORLANDO, FL

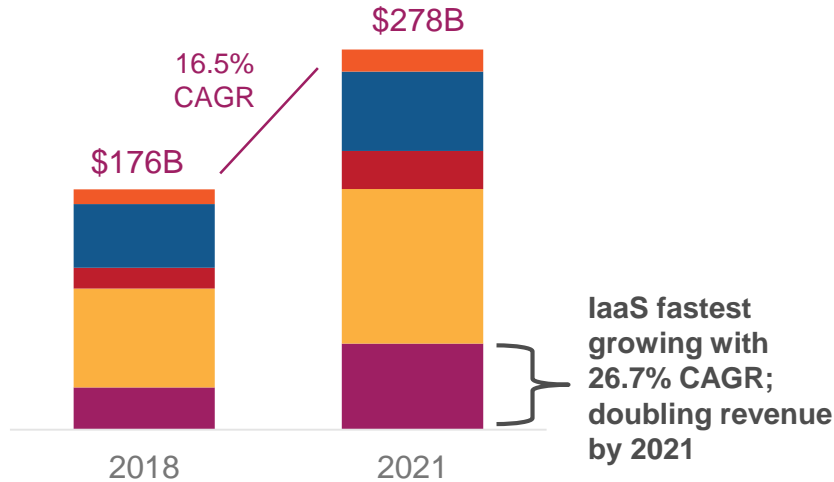


**Industry Snapshot:
Cloud Security in Healthcare**

www.HIMSSConference.org | [#HITCloud](https://twitter.com/HITCloud)

Solid Industry Growth

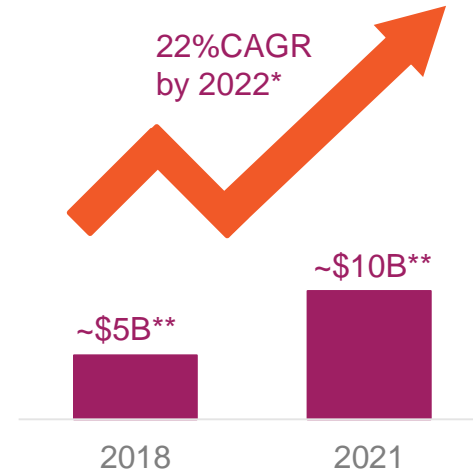
WW Public Cloud Service Revenue (\$B)



■ IaaS ■ SaaS ■ PaaS ■ BPaaS ■ Cloud Mgmt/Security Services

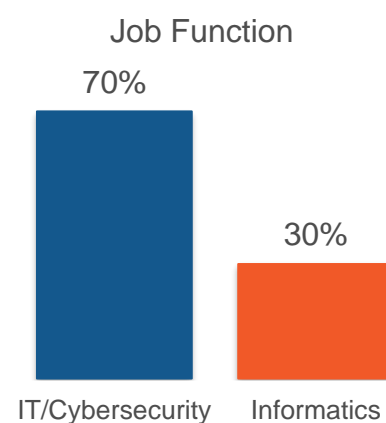
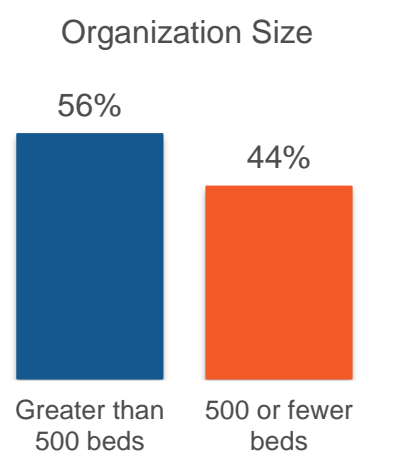
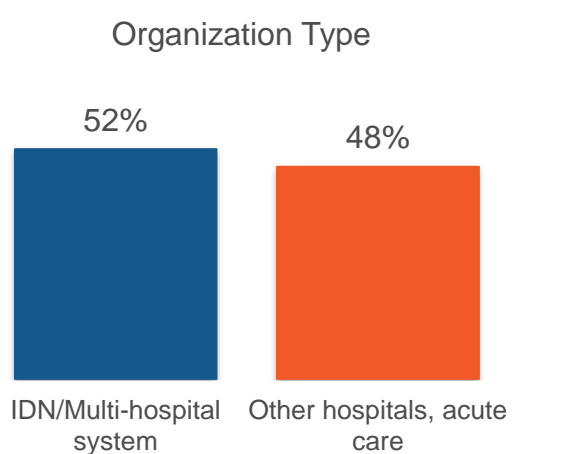
Source: Gartner, September, 2018

Global Cloud Computing Healthcare Revenue (\$B)



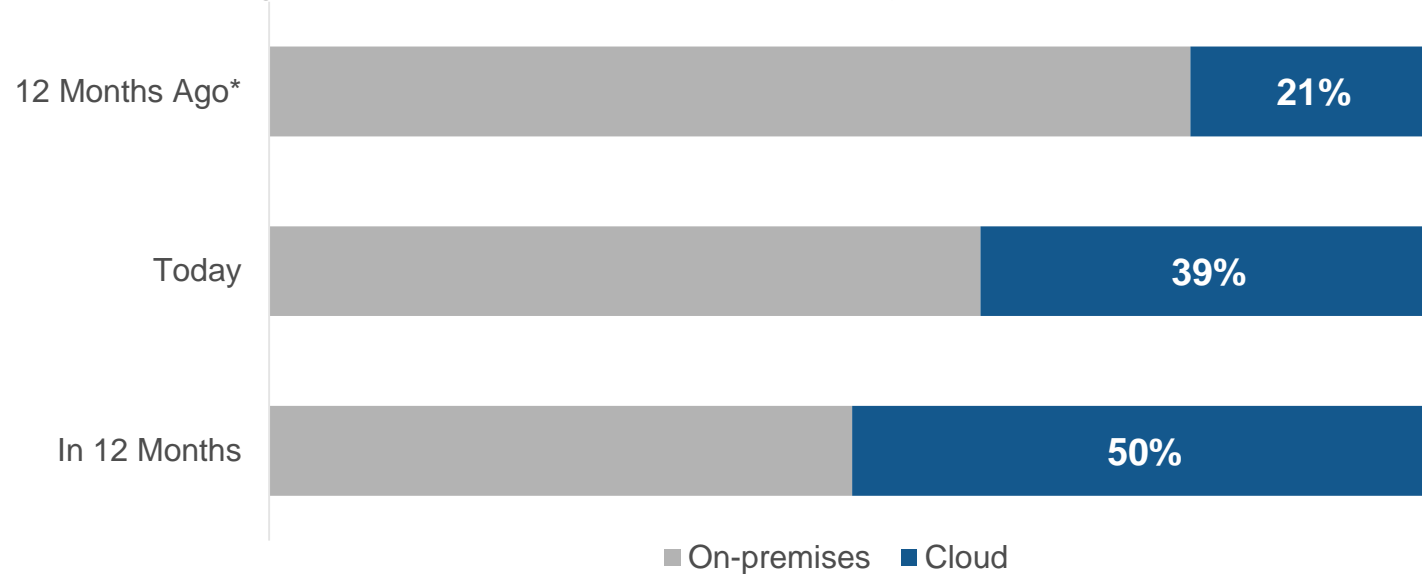
Sources: *Technavio, August, 2018; ** Frost & Sullivan, September, 2018

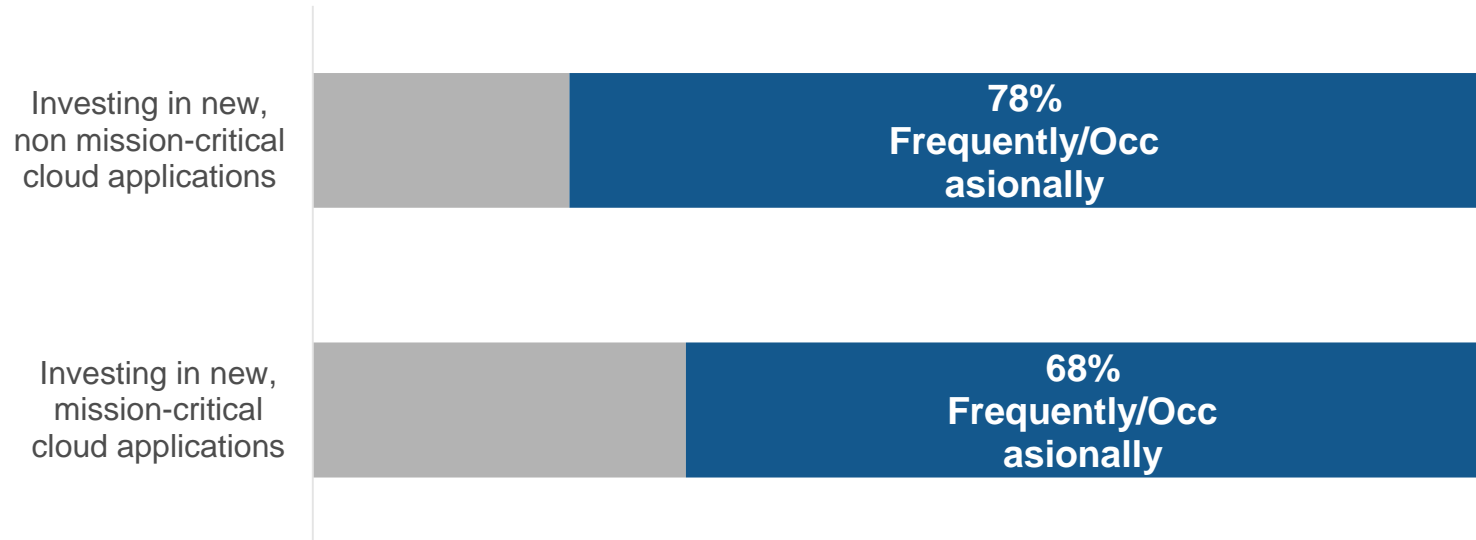
- Online survey conducted by HIMSS Media on behalf of the Center for Connected Medicine among 100 U.S. hospitals and health systems to better understand attitudes and perceptions about cloud security.
- Qualified respondents included a mix of IT, Cybersecurity and Informatics professionals.



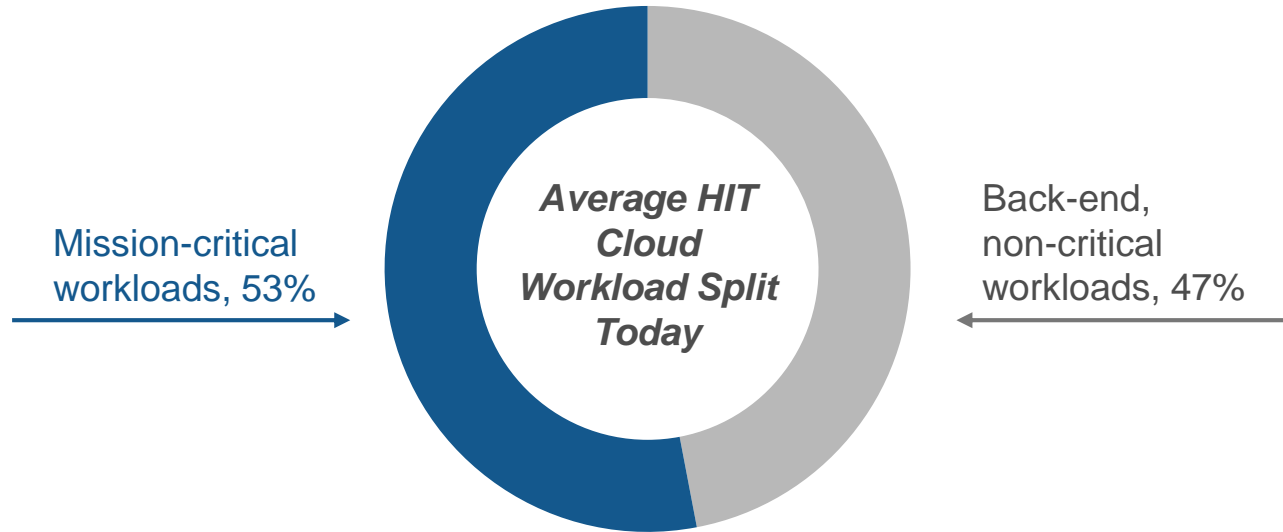
- 1 Rapid acceleration for cloud adoption continues.
- 2 With mission-critical workloads making up a growing share of cloud portfolios.
- 3 Cybersecurity concerns are limiting cloud usage.
- 4 But are security concerns warranted?
- 5 Evidence of growing trust in security of public clouds but will workloads follow?

Average % of healthcare IT workloads deployed on-premises versus in the cloud

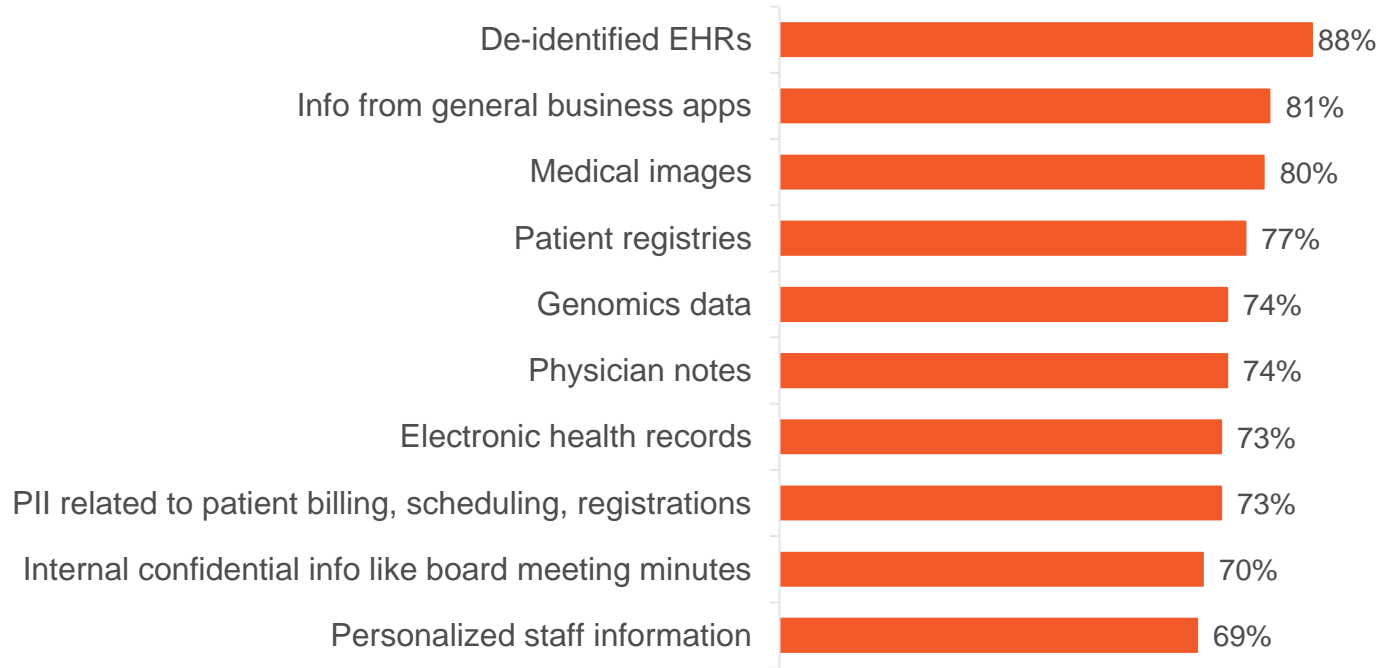




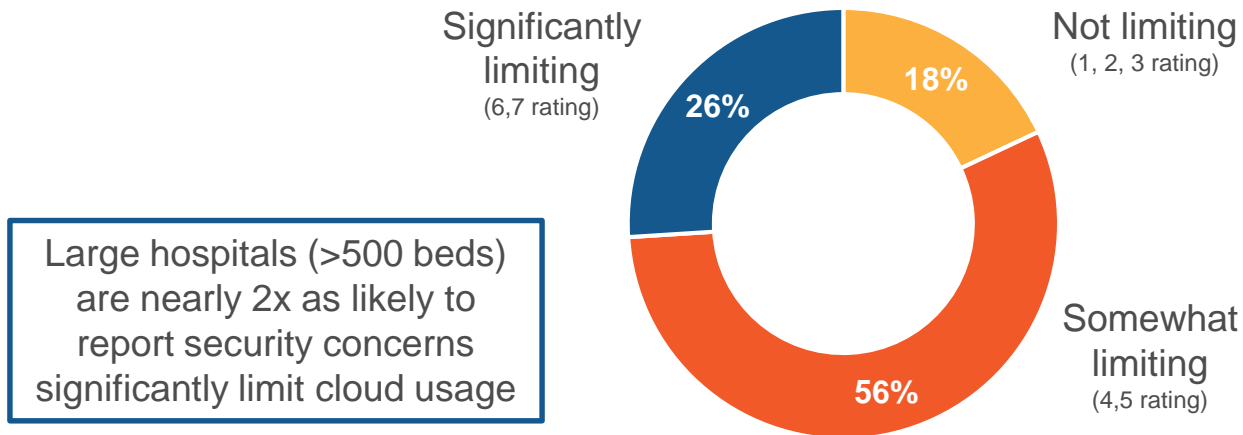
Mission-Critical Workloads Growing Share of Cloud Portfolio



Healthcare Data Comfortable Storing in Cloud



Extent to which cybersecurity concerns are limiting use of cloud services
(7= Significantly limiting; 1=Not limiting)



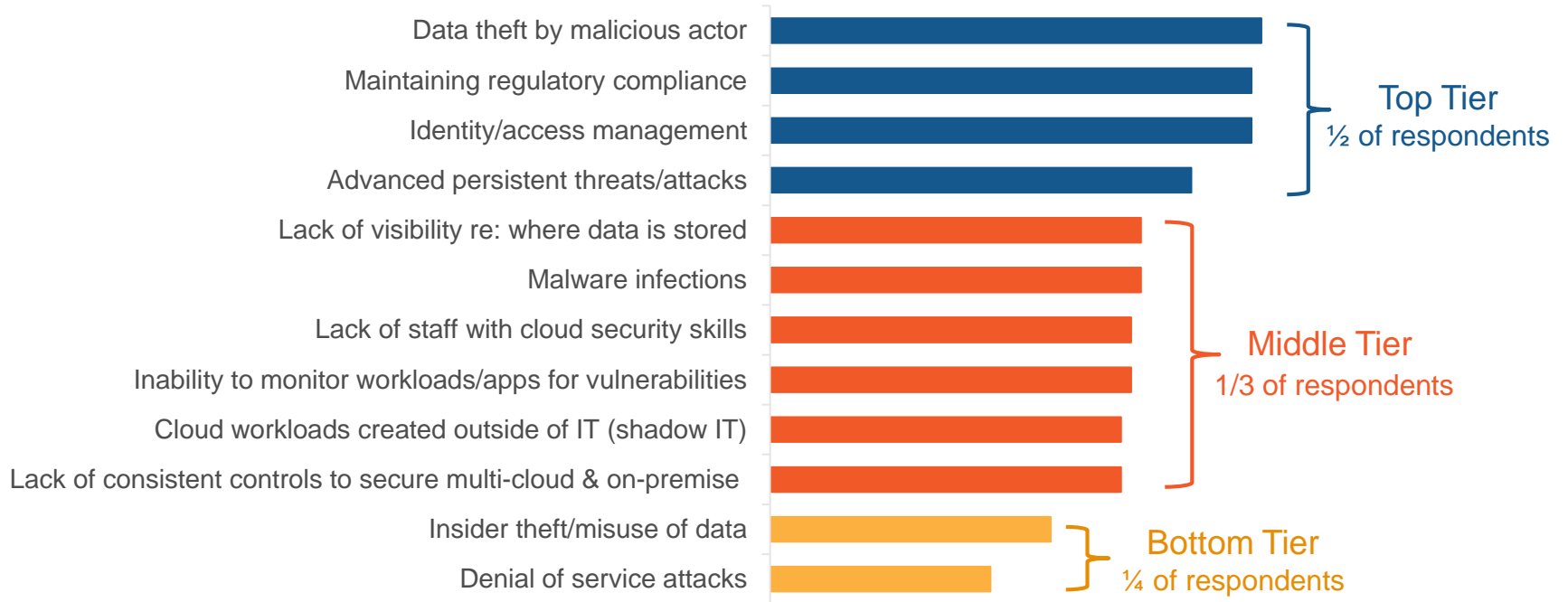
Do Security Concerns Match Reality?

Experienced security incidents linked to cloud past 12 months

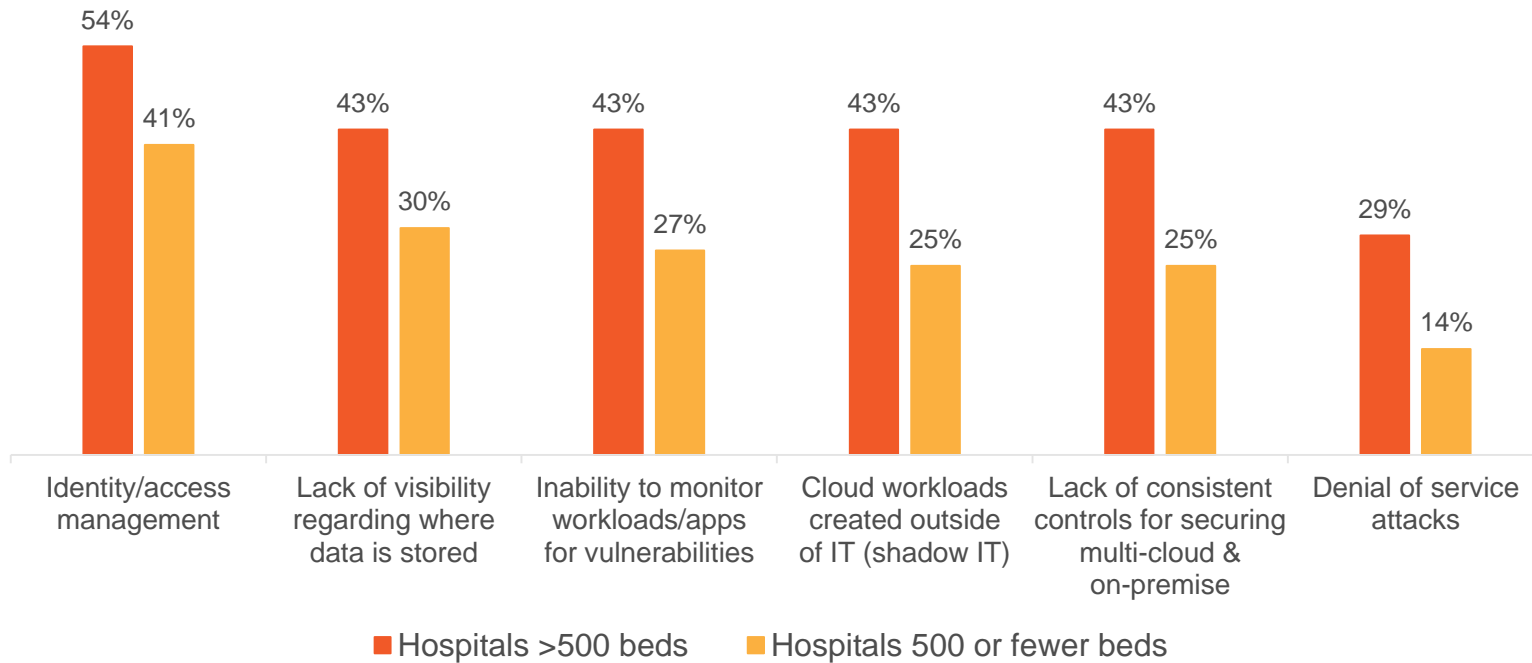


↑
Fewer than 10% report known security incidents linked to cloud

Cloud Security Concerns

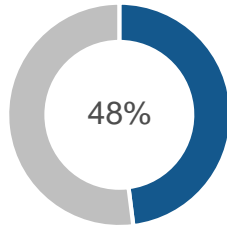


Cloud Security Concerns Vary by Organization Size



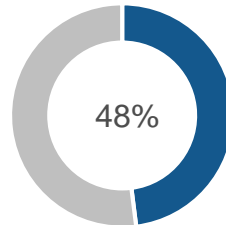
Are Providers Doing Enough to Protect Data in the Cloud?

Establishing
business associate
agreements

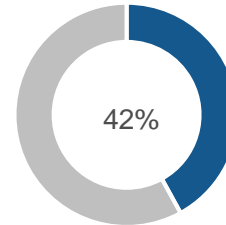


Adopting
cybersecurity
practices*

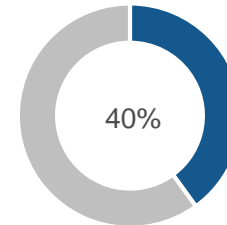
*i.e., multifactor authentication



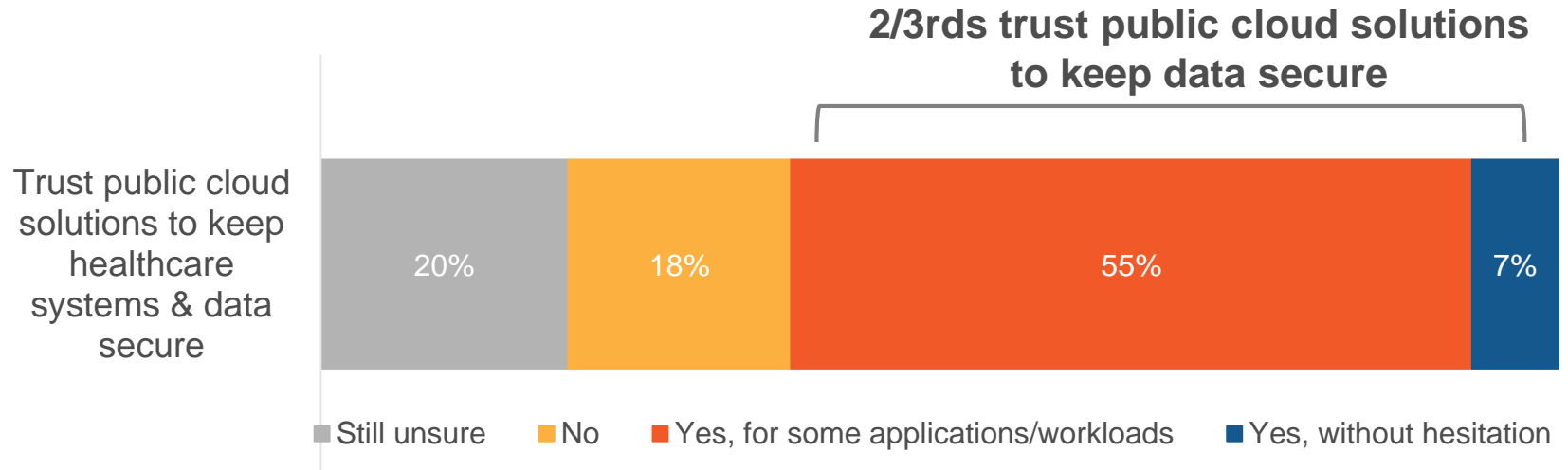
Establishing
policies to manage
data access



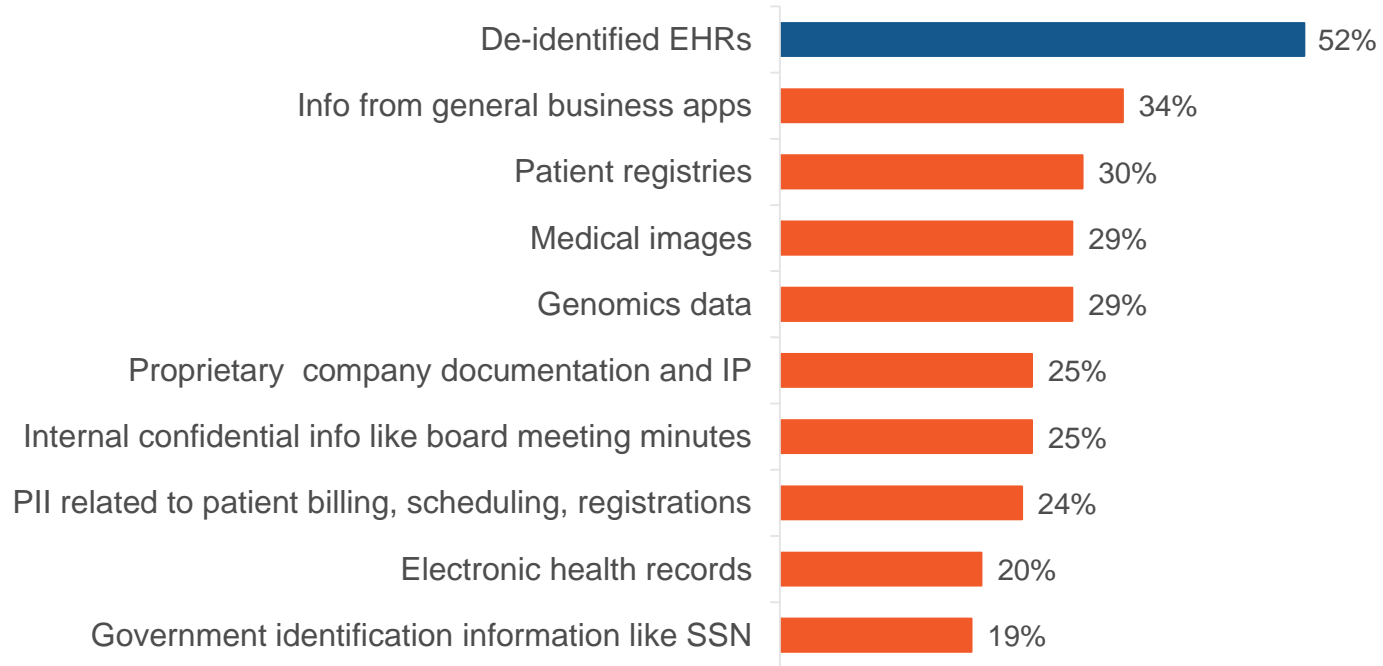
Establishing rules
around provider
encryption practices



Trust in Public Cloud



Healthcare Data Comfortable Storing in Public Cloud



- 1 Average percent of workloads deployed in cloud has nearly doubled in last year, and is expected to hit the tipping point in 12 months.
- 2 Mission-critical workloads account for more than 50% of cloud deployments today on average, and with 2/3rds investing in new mission-critical cloud applications continued growth is likely.
- 3 8 out of 10 report cybersecurity concerns are limiting cloud usage but fewer than 10% report known security incidents linked to cloud.
- 4 Data theft, compliance and identity access management are key cloud security concerns but fewer than 50% are taking steps to mitigate these concerns.
- 5 Majority trust public cloud solutions to keep data secure, at least for some applications, but only a minority are comfortable storing most healthcare data in the public cloud.

For more information about the Center for Connected Medicine,
please visit www.connectedmed.com.



A nighttime photograph of a city skyline reflected in a body of water. The scene is illuminated by city lights, with a prominent palm tree island in the foreground on the right. The sky is dark blue, and the water shows clear reflections of the buildings and lights.

Janet King

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