

THE FUTURE OF TRUST

For Healthcare Technology Leaders and Insurers, TRANSFORM23

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Outline

- On Trust and why Trust matters in healthcare
- The IDC Trust Framework: Security, Privacy, Compliance, ESG
- Trust Signals: Security, Privacy, Compliance, & ESG Building trust in digital tools
- Trusted Artificial Intelligence and Machine Learning
- Questions



A definition...

"Trust is a condition between two or more entities that reflects the level of confidence between parties"

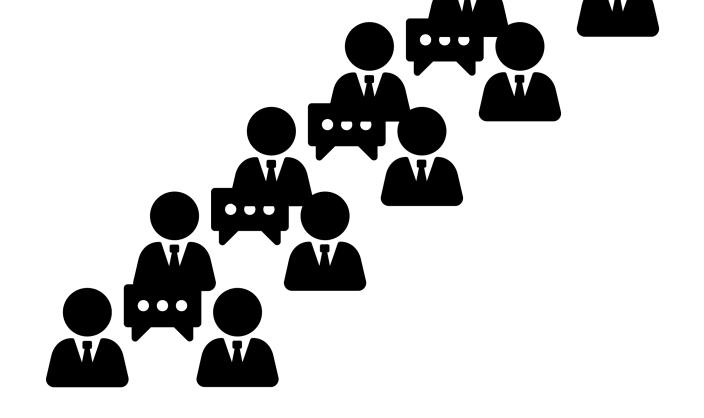
"Trust is an expectation or willingness to impart authority and accept vulnerability to another in fulfilling a given set of tasks"







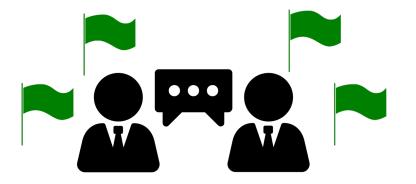












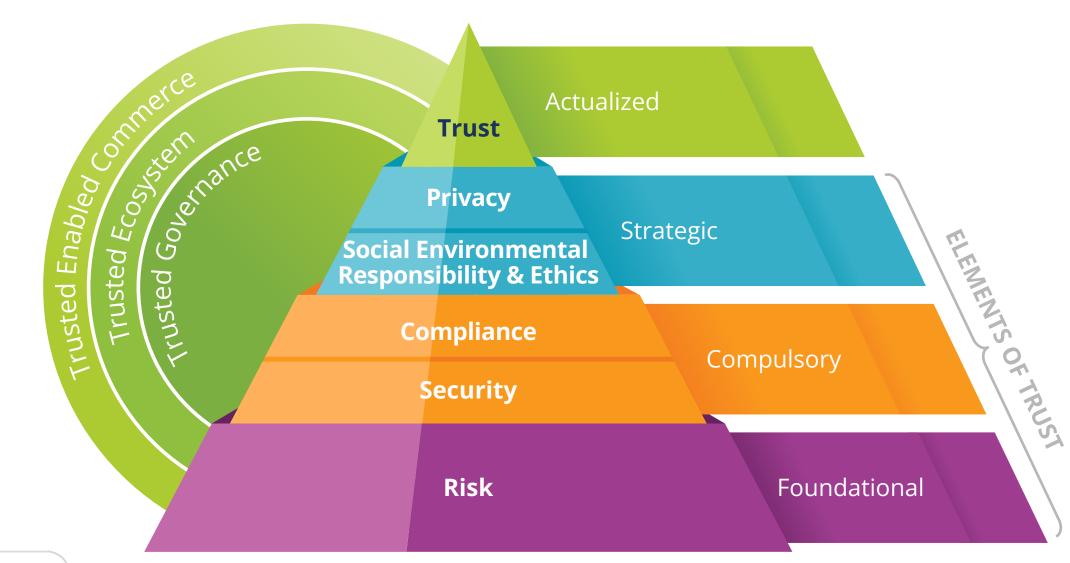


Trust in Healthcare...

- Can increase patient acceptance/compliance with physician recommendations
- Reduces probability of conflict with providers and likelihood of malpractice
- Can lower transaction costs (reduced diagnostic testing and physician time)
- Is the #1 predictor of loyalty or else patients find a new provider or simply skip or avoid care
- Increases willingness to share personal health information*



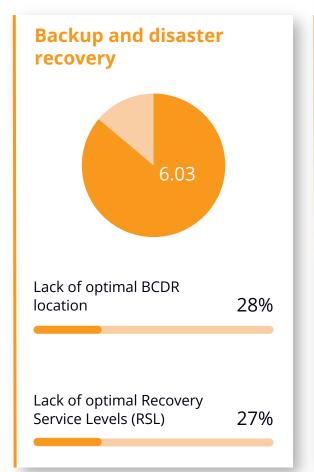
Future of Trust Framework

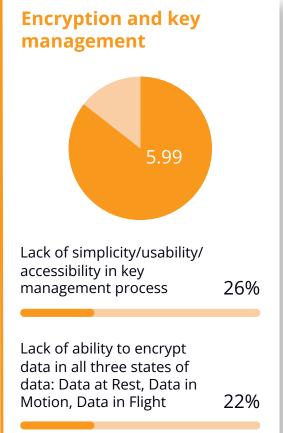


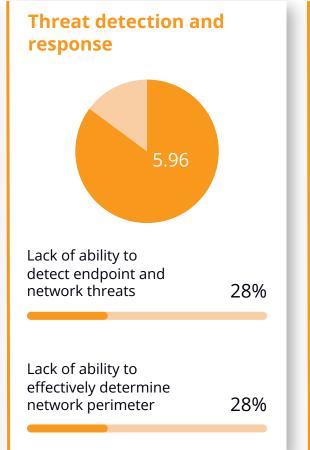


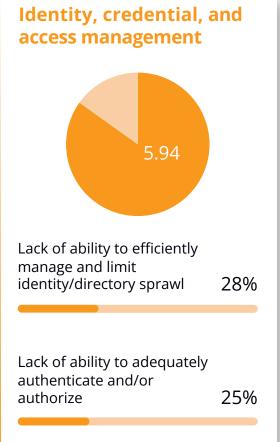
Security: Most Important Areas and Greatest Weaknesses

Backup and disaster recovery is the most important area of security as identified by respondents





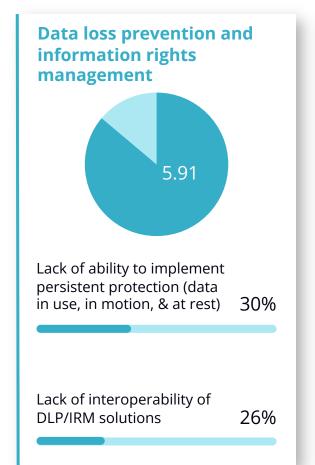




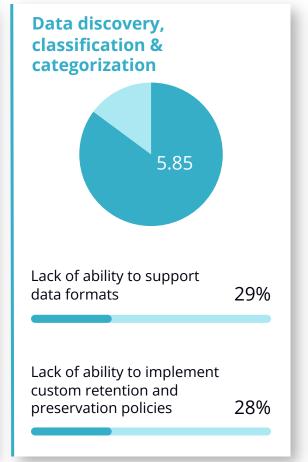


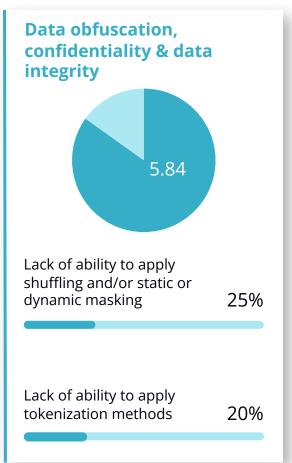
Privacy: Most Important Areas and Greatest Weaknesses

Data loss prevention and information rights management are the most important areas of privacy according to respondents







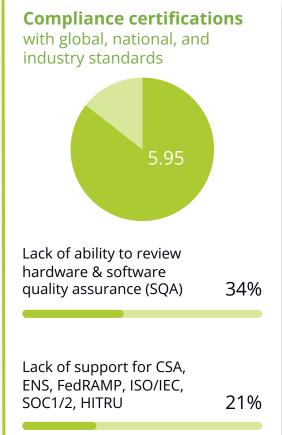


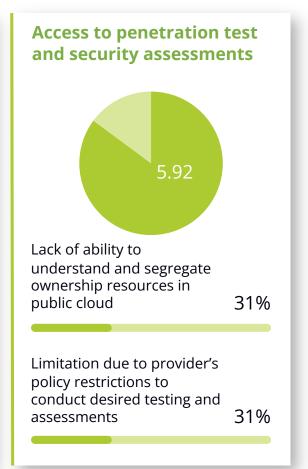


Compliance: Most Important Areas and Greatest Weaknesses

Availability of a Trust Center was the most important area of Compliance. Notably, it is among the greatest weaknesses of public cloud laaS providers profiled in the IDC Trust Perception Index.





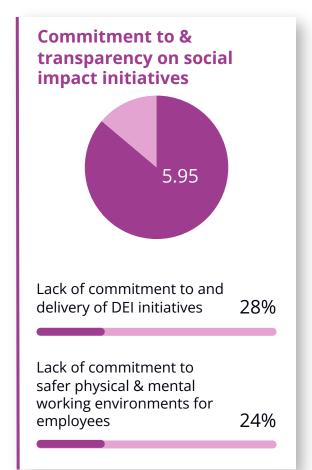


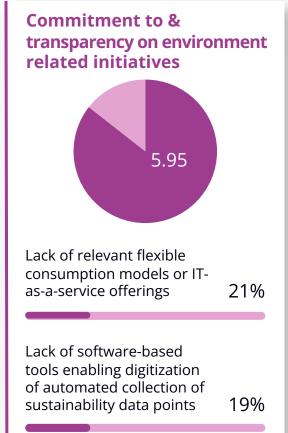


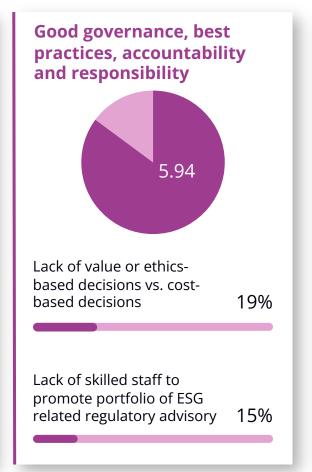


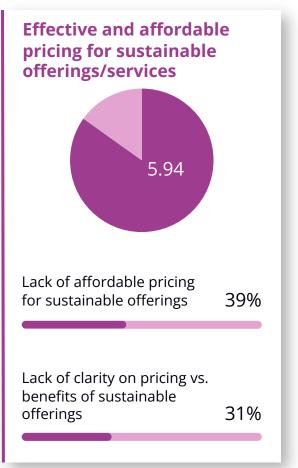
ESG: Most Important Areas and Greatest Weaknesses

Commitment to and transparency on social impact initiatives is the most important area of ESG according to client respondents.











High trust in partner organizations is significantly associated with expectations of increased revenue and operational efficiency.

Associations between "What annual percentage improvement did your organization experience in each of the following as a result of investments in digital transformation?" and prioritization of trust programs.

Business Outcomes that are improved* as a result of investment in Trust Programs			
Business Resilience	Worldwide, investment in Trust Programs yields improved Business Resilience.		
Operational Efficiency	Worldwide and especially in AP region, investment in Trust Programs results in improved Operational Efficiency. Investing in trust results in reduced and more efficient data collection and a more organized approach to privacy.		
Sustainability	Seen worldwide and in the AP region investment in Trust Programs yields increased Sustainability. ESG efforts are a pillar of Trust.		
Profit	AP respondents see increased profit when they prioritize investment in Trust Programs.		
Employee Productivity	EMEA respondents see increased Employee Productivity as a result of their investment in Trust Programs.		
Business Agility	Respondents from North America (USA and Canada) see increased Business Agility as a result of their investment in Trust Programs.		

IDC research finds that prioritized investment in trust programs is significantly associated with improved business resilience, operational efficiency, and sustainability worldwide. (Future Enterprise Resiliency and Spending Survey, Wave 5, IDC, June 2022)



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What factors predict for comfort with third-party data sharing?*

	"Patient Purposes"	"Business purposes"
Trust in the Health System	<i>b</i> * = 0.367, <i>p</i> < 0.001	<i>b</i> * = 0.326, <i>p</i> < 0.001
Trust in Providers	<i>b</i> * = 0.139, <i>p</i> < 0.001	<i>b</i> * = 0.218, <i>p</i> < 0.001
Privacy Concerns	<i>b</i> * = -0.11, <i>p</i> = 0.002	<i>b</i> * = -0.115, <i>p</i> = 0.001
Education: Possession of college degree	<i>b</i> * = 0.298, <i>p</i> < 0.001	
Recent data privacy event: Memorial Sloan Kettering		<i>b</i> * = -0.139, <i>p</i> < 0.001

^{*}standardized beta coefficient (p-value)

Trinidad, M. G., Platt, J., & Kardia, S. L. R. (2020). The public's comfort with sharing health data with third-party commercial companies. *Humanities and Social Sciences Communications*, *7*(1), 149. https://doi.org/10.1057/s41599-020-00641-5

Research: Healthcare Provider Trust in Al/ML

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Clinical outcomes align with provider judgement, the prediction is honest, from altruistic motives, and is rooted in science

General Practitioner

Complex "black box algorithm" that isn't accessible to a broader audience.

Early Adopter

Using historical data to make a prediction about a patient's health outcomes.

TRANSPARENCY

PREDICTIVE MODELING

Knowing that the model exists and the cases in which it is applicable.

Clarity about the data used to build the model, the process of validation, and evidence to support outcomes.



TRUST PRIORITIES FOR AI MODELS

1	POPULATION DATA	Is the data used to create and validate the model similar to the patient population of health system seeking a new model?	
2	EVIDENCE BASED	What is the methodology behind the model? Where do the case studies derive from? Is there proof of concept?	
3	PEER REVIEW	How is the evidence documented and is it peer reviewed? If peer reviewed, what is the reputation and credibility of the journal etc.?	
4	CURRENT USE	What is the reputation of health system which developed the model? How other health systems using the model?	
5	MODEL UPDATE	Are the health outcomes improving over time? Has the science behind the model changed since inception?	
6	MODEL DEVELOPER	What is the reputation and credibility of model developer? Has the developer created additional models?	



Healthcare Challenges and Opportunities



- Providers indicate low trust in payers
- Definitions of quality and value differ between providers and payers
- Lack of communication between healthcare providers and payers
- Healthcare systems are unwilling to share health information
- Patients with low trust avoid care, have poorer health outcomes



- High trust companies command greater market share and customer loyalty
- High trust creates acceptance of novel technologies like AI/ML
- Trust signals are an opportunity to connect with and be transparent with customers
- Promote the strong security, privacy, compliance, and ESG approaches of your organization
- Build transparency into every step of the Almodel





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More Information

For additional information and resources visit: www.idc.com/FoX

Check out our Blog for the latest analysis and trends https://blogs.idc.com/