

Healthcare Innovation in the Cloud: A Secure Approach

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October 17-18, 2023

EVOLVING THREAT LANDSCAPE FOR HEALTHCARE

RANSOMWARE - ATTACKERS LOOK FOR EASY WAY IN

CYBERSECURITY & INFRASTRUCTURE SECURITY AGENCY



APT Groups Target Healthcare and Essential Services. **January 25, 2022**



Office of Information Security
Securing One HHS

New Data Breaches from CI0p and Lockbit Ransomware Groups. **April 28, 2023**



Ransomware gangs' harassment of victims is increasing. **March 21, 2023**

DARKReading

Royal Ransomware Expands to Target Linux, VMware ESXi. **May 29, 2023**



Health-ISAC
Collaborating for Resilience in Healthcare

Microsoft Turns to Court Order to Take Down Ransomware Hacking Tool That Targeted Hospitals. **April 8, 2023**



HEALTH IT SECURITY
xelligent HEALTHCARE MEDIA

CI0p, LockBit Leveraging 3 Known Vulnerabilities in Healthcare Ransomware Attacks, HHS Warns. **May 01, 2023**

77%

Phishing, vulnerabilities and credential theft represent top 3 suspected initial access attack vectors.

Based on Unit 42 Incident Response Cases

4

Ransomware multi-extortion tactics continue to rise and are focused on Encryption, Data Theft, DDoS, and Harassment.

Based on Unit 42 Ransomware and Extortion Report

277

Mean Time to Identify 204 Days and Mean Time to Contain 73 Days

Based on IBM Cost of a Breach Report 2023

\$10.93
M

The cost of healthcare data breaches has increased by 8.2% year over year and increased by 53% since 2020.

Based on IBM Cost of a Breach Report 2023

Innovation Places Demands on Healthcare Provider Architectures



Care from Anywhere

Over 80% of healthcare practitioners, and the general public, expect technology to improve their wellbeing and support healthy aging



Proliferation of Connected Devices

75% of infusion pumps scanned had known security gaps that put them at heightened risk of being compromised by attackers



Digital Transformation and Patient Experience

46% of Healthcare respondents are most likely to cite security concerns as their top challenge in adopting cloud or SaaS technology

CLoud INNOVATION POSSIBILITIES

HEALTHCARE DIGITAL APPLICATIONS AND USE CASES

Cloud for Health is a curated collection of Cloud and Cloud partner solutions and services designed to help you migrate, protect, unify, and innovate by focusing on key use cases that will provide the most value to your organization and the patients you serve



Clinical systems



Analytics & ML/AI



Patient, clinician & member experience



Medical research



Finance & operations



Core health IT

Builders

Buyers

Native
Cloud Services

Health-specific
Cloud Services

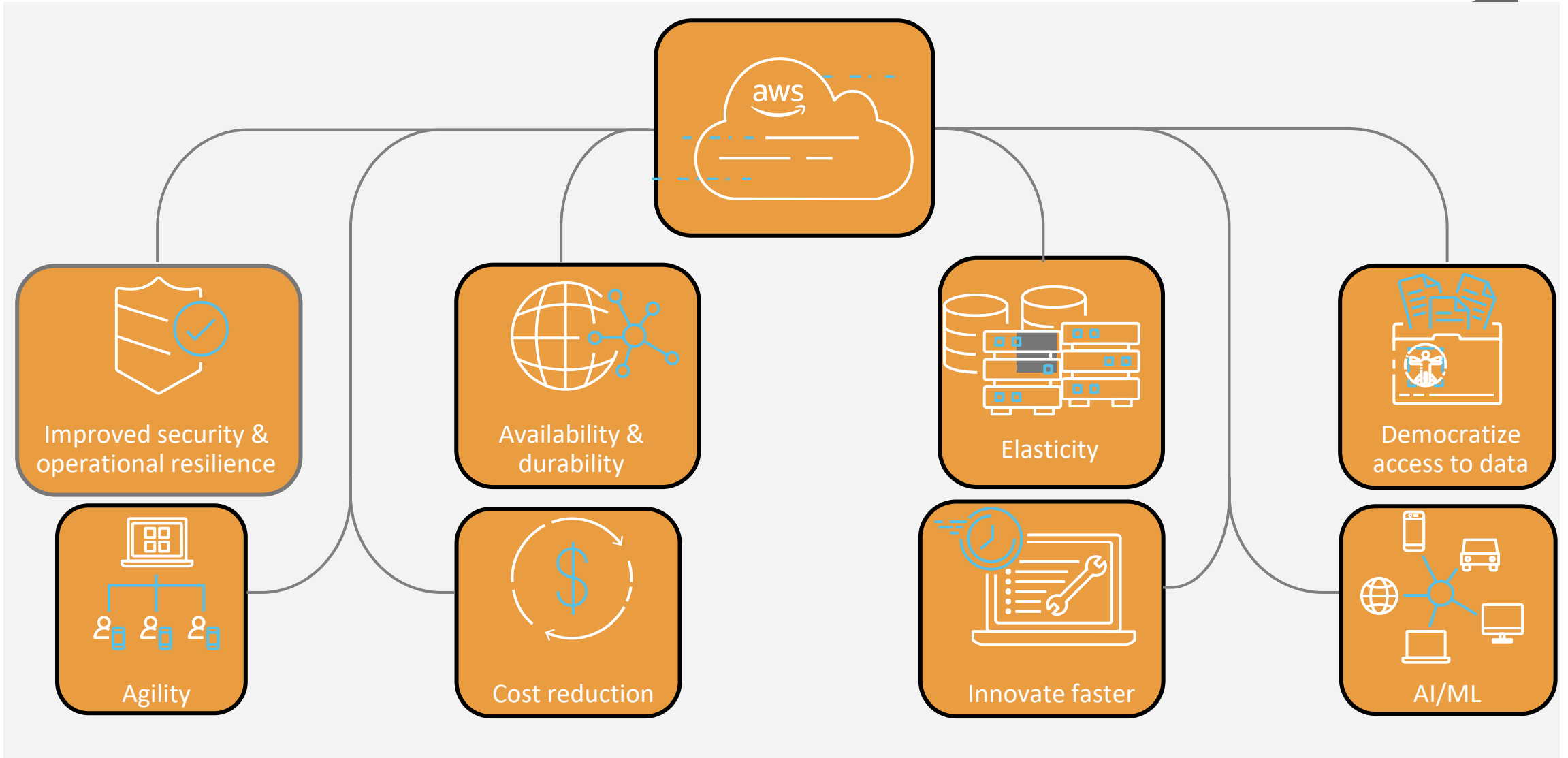
Cloud Solutions &
Quick Starts

Cloud ProServe
& GSIs

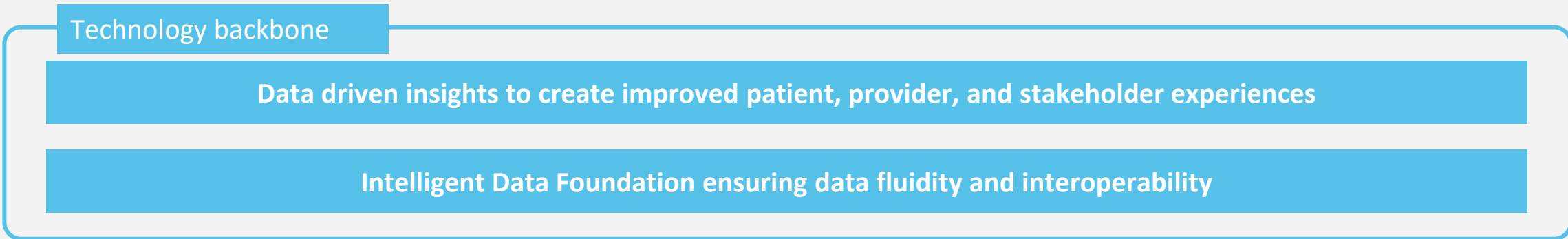
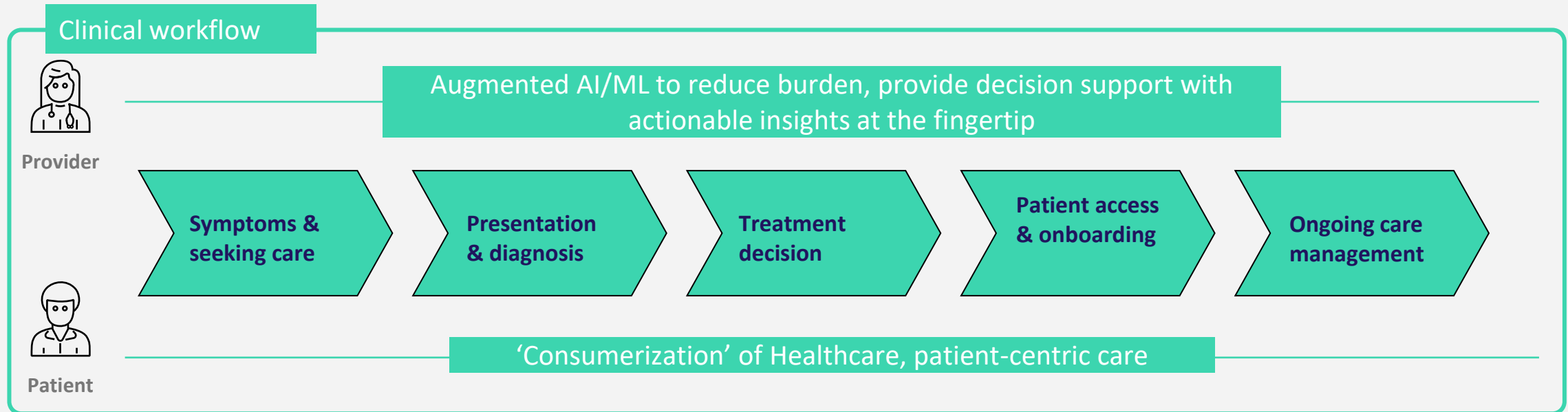
Cloud Partner
Solutions & Cloud
Marketplace

WHY HEALTHCARE IN THE CLOUD

TOP OUTCOMES CLOUD DELIVERS



PARTNERING TO DELIVER INNOVATION ALONG THE CARE JOURNEY



CLOUD TRANSFORMATION JOURNEY FOR HEALTHCARE GAINING AN INNOVATION ADVANTAGE



Provides a trusted, secure, compliant platform



Unlocks the potential of healthcare data



Enables clinical and operational excellence



Enables personalized digital relationships



Leverages a robust healthcare partner network



Increases the speed of innovation

STARTING THE JOURNEY TO THE CLOUD

LANDING ZONE ACCELERATOR



GETTING MORE INFORMATION

AWS for Healthcare & Life Sciences

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New! Population Health E-book

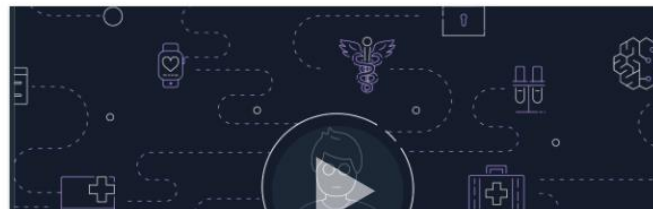
With information from EHRs, medical images, claims, operations, public health statistics, and more, providers, clinicians, and researchers can gain a more comprehensive view of a patient. Download this E-book to learn how AWS enables you to build a unified patient view that can unlock the full potential of your population health data.

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Accelerating innovation from benchtop to bedside

Healthcare and life science organizations are reinventing how they collaborate, make data-driven clinical and operational decisions, enable precision medicine, and decrease the cost of care. To help healthcare and life science organizations achieve business and technical goals, AWS for Healthcare & Life Sciences provides an offering of AWS services and AWS Partner solutions used by



<https://aws.amazon.com/health/#>



Thank You

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