

# EHR Cloud Read-Only: Cost-Effective Emergency EHR Access

## Maintaining continuity of care during downtime events

### The Ever-Changing World of Healthcare Technology

The landscape of cyber threats has dramatically increased, with ransomware attacks surging over 80%. The U.S. Health System has borne a staggering financial toll, with costs ranging from \$5 - \$20 billion, accounting for both ransom payments and associated downtime. Astonishingly, 34% of affected entities paid ransoms to retrieve their critical data.

On average, every incident inflicts a downtime cost of \$274,200. In 2022 alone, over 200 major U.S. organizations were compromised, including 24 healthcare providers overseeing 289 hospitals, highlighting the dire need for preemptive solutions to protect Electronic Health Records (EHR).



**+80%**

growth in  
ransomware  
attacks



**200+**

large U.S. companies  
including 24 healthcare  
providers operating 289  
hospitals in 2022



**>\$20B+**

ransom payments  
made in U.S.  
including  
downtime

### AWS EHR Cloud Read-Only in Partnership with Keystone Technologies

Ensuring uninterrupted and informed continuity of care is paramount for healthcare communities. EHR Cloud Read-Only, bolstered by AWS, presents a dynamic solution to these challenges.

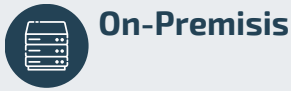
#### Benefits of Implementing EHR Cloud Read-Only:

Access schedules and patient records from a read-only replica of production over the internet.

- Eliminate wasted capacity with intelligent provisioning.
- Minimize insurance costs and exposure.
- Reduce BCA and SRO expenses.
- Optimize IT costs while ensuring continued care.
- Guarantee uptime using reliable instances.
- Enhance administrative efficiencies with automated tasks.
- Boost agility and security with cloud compliant controls.

#### Additional AWS Advantages:

- Continue caring for patients even during a ransomware event with read-only access to EHR.
- Elevate operational resiliency with an isolated cloud replica of your EHR.
- Maintain a more current recovery point with immutable backups.
- Unlock new value; it's not just a migration but a transformative environment.
- Ensure continuity during both planned and unplanned downtimes.
- No need to purchase new hardware reaching EOL (end of life) every 3-4 years



## Empowering Patient Care: The Advantages of EHR Cloud Read-Only on AWS

With EHR Cloud Read-Only technology on AWS, healthcare organizations can enhance patient care:

- **Resilient Care:** Utilizes AWS Cloud's consolidated stacks across multiple zones and regions.
- **Offline Access:** EHR remains accessible, ensuring uninterrupted patient care.
- **Versatility:** EHR Cloud Read-Only Enablement allows for:
  - Scalable Test, Development, and Training environments.
  - Rapid expansion of disaster recovery environments.
  - Dedicated production environment for day-to-day operations.
  - Enhanced recovery time, especially with the EHR filing system during disaster recovery.

Sources:

<https://www.hhs.gov/sites/default/files/2021-retrospective-and-2022-look-ahead-tpwhite.pdf>

<https://www.emsisoft.com/en/blog/38426/the-cost-of-ransomware-in-2021-a-country-by-country-analysis/https://www.hhs.gov/sites/default/files/ransomware-trends-2021.pdf>



### About Keystone Technologies

Keystone Technologies stands at the forefront of healthcare technology, dedicated to ensuring healthcare providers possess timely and accurate information to offer top-tier patient care. Our legacy is built upon delivering effective solutions with optimal technology.

Don't let technology setbacks hinder patient care. Optimize costs and refocus on what truly matters – your patients.

Get started with Keystone Technologies.

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