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5. Multiple levels of security is required to prevent cyber attacks in health care sector of the country. Analyse.

Artificial Intelligence company CloudSEK ~~report~~ study - shows cyber attacks in health sector increased 95% compared to 2021. India is 2nd Largest.

Cyber attacks in India's Health care sector

Recently Ael India Institute of medical sciences server, has been attacked. Computer Emergency Response team - (CERT-IN) → says 51% increase in Ransomware attacks recorded in India, and 1.9 million cyber attacks in Health care sector alone

Why cyber attacks rising?

1. post COVID - Health sector transformed to digitalization, which is reason for rising cyber attacks
2. National Critical Information Infrastructures protection center has not designated Health sector as critical information Infrastructure. Thus, ^{adequate} protection is not provided

Risks with Cyber attacks

1. Under National Digital Health Mission, Digital IDs for all citizens is rolled out without right safeguards, digitization of health records will be vulnerable

2. Absence of Digital personal data protection bill, to govern digital health care, make current system, difficult to maintain huge data

3. Lack of awareness of people against cyber attacks.

Strategies - at Multiple Level

1. Tactics, Technologies, & procedures of criminals & hackers must be studied.

2. Designating Health care as 'Strategic sector' to provide adequate protection

3. '3-2-1' back up strategy - both online + offline storage

4. National cyber security strategy, policy 2013, provide directions as to against cyber crime.

5. Increasing awareness and capacity building to institutions e.g. CERT-In with Artificial Intelligence