## LIFE SCIENCES

The health and medical research community is transforming our lives and our future through its dedication to the advancement of knowledge and the discovery of new medicines and treatments for diseases. But the life sciences sector is particularly vulnerable to adversaries (including insiders) using cyber attacks to steal its intellectual property, degrade the integrity of its research and trial data, and interrupt the safe operation of its manufacturing and supply chains. Furthermore, new regulations require the Life Science sector to keep genetic and medical product data for decades and maintain its viability. STASH is a key partner to keep data securely stored and shared. Its unique authentication and encryption processes slash the risk of insider access to key data. STASH has developed trustworthy digital repository technology and processes to ensure the storage and retrieval of viable data over many decades. STASH is an essential partner for the data integrity challenges of the Life Sciences sector.

Clients and Firm governance committees will appreciate the file fixity steps we take to register who has accessed or changed the data. The STASH approach is consistent with both:

•European Framework for Audit and Certification of Digital Repositories

•ISO 16363: a system for the "audit and certification of trustworthy digital repositories"

STASH Hibernate® is well designed to meet the growing regulatory requirements of the Life Sciences sector. For instance

•US-FDA requires medical product companies retain all (100%) of physical/digital data and information of their medical products from discovery, manufacturing and distribution for the life of the product and two years after the last product is distributed. Other nations have similar requirements of the life sciences (medical product) industry that distribute in their country.

"Nothing is more valuable to a pharmaceutical company than the formula for one of its new drugs. Reports of hackers breaking into all sorts of firms and stealing their trade secrets is of enormous concern. Equally troubling, experts warn that theft of trade secrets by company insiders is a larger problem… Many of the victims of cyber theft find themselves the target of class action lawsuits and regulatory actions. A quick look at data breach shows a rapidly changing regulatory environment, growing risks of litigation, and some important insurance implications for companies and their top management."

– **Deloitte**

**https://www2.deloitte.com/jp/en/pages/life-sciences-and-healthcare/articles/ls/cyber-security-ls.html**



+1 (844) 833-7373 Stash America LLC contact@stash.global

- HHS-HIPAA is requiring electronic medical records be retained for the life of the patient. This however is becoming very complex because many US states have additional rules. The Colorado State Board of Medical Examiners Policy 40-07 recommends retaining medical records for a minimum of seven years after the last date of treatment for an adult and for seven years after a minor has reached the age of majority, or age 25. The California Medical Association has concluded that, while a retention period of at least 10 years may be sufficient, all medical records should be retained indefinitely or, in the alternative, for 25 years. Other nations have similar laws.
- The Genetic Information Nondiscrimination Act of 2008 (GINA) is requiring that a patients genetic data be maintained for the life of the individual and 50 years after their death (for family use)
- US CLIA has clinical laboratory requirements of data they specifically generate For instance, Molecular Genetic Testing for heritable disease and conditions test reports are to be retained for at least 25 years after the date the results are reported.

**Whether you want to keep things to yourself or share with others, STASH delivers DSECaaS™ (data-security-as-a-service) to meet your needs. In a world of Open Networks and Bring Your Own Device, we focus on the crown jewels. On the data. On what really matters to your business.**

**STASH Data Protection for everyday valuable data and STASH HIBERNATE® for very long term data protection with data integrity for decades are the most impactful encryption and privacy Solutions ever developed to protect the actual data bytes themselves. STASH doesn't analyze, predict, try to defend, or react to data compromise after the fact like 99.99% of all other security options. When data is protected with STASH, it has a statistical probability of nil to breach, manipulation, loss, harm, or ransomware.**

**Data, network, and infrastructure agnostic, STASH is completely automated and simple to deploy, without changing anything about how you do business. Activated via SAAS, Secure Backup, & API**

"The UK Government identified pharmaceutical companies as the primary target of cyber criminals bent on stealing IP. It estimated cyber-theft of IP cost the UK £9.2b, of which it attributed £1.8b to theft of pharmaceutical, biotechnology, and healthcare IP. Surveys of US Cyber attacks consistently find that pharmaceutical IP is a major target of sophisticated cyber gangs... Attacks against major US pharmaceutical companies… include medical device-maker, Boston Scientific, Abbott Laboratories, and Wyeth, the drug maker acquired by Pfizer Inc. "

– **Deloitte**