

## HIPAA Compliance and BAA



Covered entities and their business associates subject to the U.S. Health Insurance Portability and Accountability Act (HIPAA) can leverage the built-in security that REAN Secure Virtual Private Cloud (S-VPC) on AWS to process, maintain, and store protected health information. REAN and AWS will be signing business associate agreements with such customers.

### REAN Genomics security controls include:

**Encryption in Transit:** All communications - access to API endpoints, transfer of genome datasets, administrative access occur on secure HTTP access (HTTPS) and SSL

**Encryption at Rest:** Data encrypted at rest using encryption keys under customer's control with an option to store keys in a Hardware Security Module (HSM) for cryptographic key storage

**Defense in Depth:** Multiple layers of defense in depth with network based and host based intrusion detection and intrusion prevention systems. Access to application is controlled using network and application firewalls

**Continuous Monitoring:** Security logs at cloud, network, operating system, and application level for audit and forensics

**High Availability and Fault-Tolerance:** Multiple Availability Zones to create geographically diverse, fault tolerant systems that are highly resilient in the event of network failures, natural disasters, and most other probable sources of downtime

**Backup and Disaster Recovery:** Machine images and data volumes backed up across multiple availability zones