Healthcare data lakes are helping drive innovation in drug research and development, clinical trials, scientific exploration, and more. As data grows, the protection of that data and compliance with the varying regulations becomes more challenging. Here's a (non-comprehensive) look at key regulations and requirements to keep in mind.

**HIPAA (Health Insurance Portability & Accountability Act)**
- Patient records, financial records, security & privacy records, employee records: 6 years
- Non-compliance fines can reach up to $2M
- Data must be encrypted in flight
- Backups should be air gapped

**Medicare/Medicaid**
- Medical records and documentation related to the provision of services: 5 years
- Managed care program providers retain patient records: 10 years

**FDA**
- Clinical trial data: 2-5 years depending on trial phase
- Product testing and adverse events records: 10 years
- Drug manufacturing records: 5 years

**DEA**
- Controlled substances records: 2 years

**OSHA**
- (Occupational Safety & Health Administration)
- Injury and illness records: 5 years

Patient data like records and lab work tend to expand exponentially. Clumio’s infinite scalability means I don’t have to worry about backup keeping up with growth.

Fred Gagle, VP of Technology, BioPlus Specialty Pharmacy

Automate away the complexity of data protection and compliance
- EHR, claims, lab data, patient surveys... No matter the variety and volume of your data, Clumio encrypts, air gaps, and secures it away from your primary enterprise access control, in compliance with HIPAA.

Get your health data lake protection checkup at Clumio.com/healthcare