

Privacy Protection & Confidentiality

Layer 1: Data Collection

Collect only minimum necessary data, explicit consent

Layer 2: Storage and Transmission

Encryption, access control, audit logs

Layer 3: Use and Analysis

De-identification, differential privacy, permission management

Layer 4: Sharing and Disposal

Limited sharing, secure deletion



Technical Protection

Encryption
Anonymization
Differential Privacy



Administrative Protection

Access Control Management
Security Policy Establishment
Employee Training



Legal Protection

GDPR, HIPAA Compliance
Personal Information Protection Act
Medical Law Compliance