PRIVACY & SECURITY REFERENCE

Data flow & PHI statement

What data ARKA receives, what it never receives, and what it stores — the authoritative reference for your privacy and security review.

PHI STATEMENT

ARKA consumes structured FHIR resources in the EHR's context at the moment of order. **ARKA does not ingest image pixels and does not move raw PHI out of the covered entity's environment.** Model improvement uses federated learning / de-identified or aggregated signals. ARKA stores de-identified order features and audit metadata — encrypted in transit and at rest, with immutable audit logging (policies SEC-004, SEC-005, SEC-011; de-identification per PRIV-002).

Note: confirm the exact stored-data description against your production configuration and have counsel review before reliance.

PROVIDER-SIDE FLOW

Clinician orders in EHR → **CDS Hooks / SMART on FHIR** (structured FHIR) → **ARKA engine** (no pixels · no PHI egress) → **CDS card back to EHR**

Payer-side mirror: Da Vinci DTR/PAS → ARKA appropriateness check → auto-clear or reviewer queue. Each hop carries structured codes and context only — not images, not identifiers beyond the minimum necessary.

WHAT WE RECEIVE

Structured FHIR order context: procedure codes, indications, and the minimum-necessary clinical context

WHAT WE NEVER RECEIVE

Image pixels / DICOM; bulk PHI export; identifiers beyond the minimum necessary

WHAT WE STORE

De-identified order features + audit metadata (encrypted, access-controlled, audit-logged)

WHERE IT RUNS & HOW IT'S PROTECTED

- **Hosting:** HIPAA-eligible AWS / Supabase / Vercel under executed Business Associate Agreements.
- **Access & audit:** least-privilege access controls (SEC-003); immutable audit logging & monitoring (SEC-005).
- **Encryption:** TLS in transit; AES at rest (policy SEC-004, Encryption & Key Management).
- **Data lifecycle:** classification, retention, and secure disposal (SEC-011); de-identification & limited data sets (PRIV-002).

Full 21-document package — under NDA

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