Buddee HIPAA Architecture Overview

Security review brief | Early-access architecture

This overview summarizes Buddee’s shadow-mode architecture for qualified security reviews. It is not a compliance certification, SOC 2 report, or production customer attestation.

1. Operating Model

Buddee is designed to run alongside an existing EHR through read-only FHIR R4 interfaces. The system surfaces suspected HCC documentation gaps, drafts prior authorization packets, and records clinician decisions. No billing action or payer submission occurs without an explicit human approval event.

2. Data Flow

1. Customer authorizes access under a signed Business Associate Agreement. 2. Buddee reads scoped clinical records needed for the approved workflow. 3. AI suggestions are generated in shadow mode. 4. Clinicians approve, reject, or edit suggestions. 5. Each decision is appended to the audit chain.

3. Security Controls

PHI is encrypted in transit with TLS 1.3 and designed for AES-256 encryption at rest. Production deployments require tenant isolation, least-privilege access controls, rate limiting, credential rotation, monitored backups, and incident response procedures before PHI processing.

4. Audit Chain

Buddee’s audit design uses SHA-256 hash chaining for recommendation, approval, rejection, and submission-intent events. Each event references the prior event hash so compliance teams can detect tampering or missing records during review.

5. Human Approval Boundary

Every AI output is treated as a suggestion. Clinicians remain responsible for medical judgment, coding acceptance, and payer submission decisions. The system is intentionally designed without autonomous claim submission.

6. Review Status

Buddee maintains this document for early security review. It should be superseded by a counsel-approved architecture packet, completed risk assessment summary, and third-party audit materials before enterprise contracting or broad paid

acquisition.

Security contact: security@trybuddeeai.com | Coordinated disclosure: /.well-known/security.txt