HeartLink Health LLC – Algorithm v4.1-CL (ASE 1.3)

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# Software Update and Data Integrity Plan

## Update Process

All code changes pass version tagging and checksum validation before deployment. Clinical‑Lock files are immutable except for bug‑fix releases requiring full re‑verification.

## Checksum Verification

Each module hashed (SHA‑256) and compared pre‑/post‑deployment to ensure integrity.

## Data Storage & Encryption

User data stored locally via Expo SecureStore (AES‑256). No cloud transfer in v4.1‑CL.

## Rollback & Re‑Validation

Any update to calculateScore or CFG constants triggers regression test suite (T1.0–T1.9) and new Clinical‑Lock issuance.

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