PROVENANT AI LABS

MEDI AI+ / PUBLIC STATUS SNAPSHOT

What is built. What is next.

A deliberately bounded account of current engineering evidence and the validation still ahead.

CURRENT MATURITY	RELEASE SNAPSHOT	OPERATING BASIS	CLINICAL USE
TRL 3 → 4	**v0.7.0**	**Synthetic**	**Not approved**
Development pathway	Sprint 6 engineering	Controlled engineering	Research only

ESTABLISHED SOFTWARE FOUNDATION

The public programme status describes completed **software and systems-engineering baselines** rather than a validated medical appliance. The items below are engineering demonstrations or architecture foundations within controlled development.

01 Core platform

FastAPI, role-based access, authentication, audit architecture and containerised execution.

02 Synthetic clinical simulation

Representative observations, alert acknowledgement, escalation and recovery workflows.

03 Governed knowledge

Approved-document RAG, source provenance, citation-bound retrieval and refusal behaviour.

04 Speech workflow

Offline processing candidate, unconfirmed draft handling and explicit human confirmation.

05 Safety design

Deterministic warning logic, human review, provenance and fail-closed principles.

06 Interoperability baseline

Bounded FHIR R4-compatible structures and simulated encounter export contracts.

HOW TO READ THESE CLAIMS

The public status page reports **394 backend regression tests** at an architecture-alignment gate. This is a site-reported software test count, **not** independent verification, medical performance evidence or a clinical validation result.

EVIDENCE GATES AHEAD

The remaining validation programme.

Hardware, model performance, institutional integration and clinical permissions are different gates. None should be inferred from a successful software simulation.

01 Target hardware

Integrate representative Jetson-class compute, interface electronics, display, audio and sensors; measure latency, power, thermals and recovery.

PENDING PHYSICAL VALIDATION

02 Model readiness

Complete data-rights checks, evaluation splits, model selection/adaptation and on-device benchmarking before performance claims.

DEVELOPMENT / EVALUATION

03 Hospital interoperability

Move beyond compatible simulated structures to verified interfaces and institutional integration with authorised partners.

NOT YET IMPLEMENTED

04 Clinical and regulatory

Define intended use; pursue institution-approved study designs, privacy/security assessments and applicable regulatory routes.

FUTURE / SUBJECT TO APPROVAL

IMPORTANT MEDICAL BOUNDARY

Medi AI+ remains a **pre-clinical engineering programme**. It is not a certified medical device and is not approved for diagnosis, treatment, autonomous clinical decisions or unsupervised patient care. Integrated hardware, hospital deployment and clinical validation are not claimed.

PUBLIC SOURCE BASIS

Status grounded in public engineering-status and Medi AI+ pages (public snapshot updated October 2026): provenantai.sg/engineering-status | /medi-ai-plus. Checked 19 Nov 2026.