



AXI AI

Industry:

Healthcare / Primary care

Region:

Greater London

Solution:

Agentic AI
Voice AI
Production engineering
Structured clinical data

Core technology:

Claude Code (agentic development workflow)
Real-time voice & text capture

The Business

Primary care provider ships a production-grade voice AI for healthcare, built with Claude-powered agentic development

A primary healthcare provider needs to collect patient feedback at scale and turn it into structured clinical data — reliably, accessible, and within healthcare's privacy and audit requirements.

The Challenge

The provider needed to increase form completion and patient uptake in pre-consult workflows that also satisfied the stringent compliance criteria of a regulated clinical setting.

Solution

- Built with Claude-powered agentic development: Agilexi built AXI Voice using Claude Code as its agentic development workflow — designing, generating and iterating the orchestration, state machine, vendor-abstraction layer and eval harness, so a small team shipped to production standard fast.
- Agentic, production-grade architecture: An agentic orchestrator coordinated multiple async services behind a strict, server-controlled state machine. State lived server-side, every transition was validated and timestamped, and skip logic ran deterministically — making it impossible to skip or forge steps.
- Observable and auditable: Structured logging, OpenTelemetry tracing (one span per model and service call) and metrics dashboards sat behind a full, replayable session-level audit trail.
- Real-time multimodal capture: Patients responded by text or voice; both fed one pipeline exporting structured clinical data.
- Rapid production-grade delivery using Claude-powered agentic development.
- Server-enforced survey integrity and a replayable audit trail for compliance.
- Evaluated end-to-end before every release, with error attribution pinpointing any failure.

Benefits

About Agilexi

Agilexi are specialists in Anthropic's native tooling - Claude, Claude Code, and the Claude Developer Platform - we build solutions that rapidly scale beyond proofs of concept into production-grade systems that deliver measurable results.

