

CONNECTED CARE PLATFORM WITH MULTI-VENDOR EHR INTEGRATION

FHIR-based patient data integration without UI redesign

Challenge

A patient-driven collaborative health platform, where users share medical information and learn from one another, required patients to manually enter clinical data that already existed in their EHRs. This duplication created friction, frustration, and a real risk of data entry errors, while limiting the depth of insight users could gain from peer comparisons. The platform needed seamless EHR connectivity across multiple vendors without redesigning the existing user experience.

Approach



Integrated multi-vendor EHR connectivity via 1upHealth, enabling consent-based data pulls from EPIC, Cerner, Clinical Works, and other major systems through a single interface.



Built user-controlled data selection, so patients can choose exactly which information to synchronize from their EHR into the platform.



Engineered an HL7 FHIR transformation pipeline that maps clinical data from vendor formats into the platform's native data model with no data loss.



Delivered frontend-compatible data mapping that preserves the existing UI, sparing the platform a costly redesign while supporting the new EHR-driven experience.

Outcomes Delivered



Eliminated manual medical data entry by automating consent-based EHR sync, reducing user friction and data quality risk across the platform.



Unified clinical data from multiple major EHR vendors into one consistent patient experience, expanding peer-learning and comparison value.



Modernized the data layer without disrupting the existing frontend, accelerating delivery and protecting the established user experience.

Closing

Veltris combined healthcare interoperability expertise, FHIR data transformation, and consent-driven integration design to give a patient collaboration platform seamless multi-vendor EHR connectivity — replacing manual entry with automated, user-controlled clinical data sync.