Smile Digital Health at Civitas

What FHIR® Means To Us

- The future of healthcare lies in **Open Standards**, as it empowers organizations with the functionality to participate in the current wave of healthcare modernization, where they can innovate at their own speed and not the speed of other vendors.
- FHIR leverages **Open Standards** by providing its consumers with the opportunity to create a composable, comprehensive integration platform known as a **health data fabric**.
  - A **health data fabric** is an optimized way of architecting your data so that all existing assets are **harmonized** into a single, comprehensive data environment. By implementing this architecture, organizations increase their operational efficacy by enabling the **holistic** use of their data.
- **Smile** utilizes an FHIR-based health data fabric that leverages **Open Standards** to provide a best-of-breed suite of products that can flexibly solve healthcare's data optimization issues today and scale to solve those of tomorrow without vendor lock-in.
- We're **proud** to say, Smile's long-running relationship and **thought leadership** in FHIR has enabled us to deliver **enterprise-grade**, **secure** and **scalable** FHIR solutions for all our customers.

Smile's FHIR Timeline

1989 — HEALTH LEVEL SEVEN (HL7) LAUNCHES V2 OPEN STANDARD

A group of technology and healthcare leaders create **HL7** with the goal of improving hospital workflow.

HL7 becomes an international standard used to provide guidance on transferring and sharing data between various healthcare providers.

2001 — HAPI HL7 V2 IS LAUNCHED VIA HAPI PROJECT

The HAPI Project is started at University Health Network (UHN) in an effort to promote interoperability and innovation in health data using the **HL7** standard.

The HAPI Project creates **HAPI HL7** which is an open-source iteration of **HL7 v2** for Java.

2003 — JAMES AGNEW JOINS HAPI PROJECT

James Agnew (Smile's CTO) joins the HAPI Project and becomes the maintainer of the HAPI **HL7 v2** library.

2011 — DUNCAN WEATHERSTON AND JAMES AGNEW MEET

While working on a health integration platform project Duncan Weatherson (Smile's CEO) meets James Agnew at UHN.

They both realized that the industry needed an efficient, interoperable, and secure solution for shared health data.

2014 — HL7 FHIR AND HAPI FHIR ARE RELEASED

Health Level Seven releases **HL7 FHIR** which builds on previous standards, including **HL7 v2**, **HL7 v3**, and CDA (Clinical Document Architecture—part of **HL7 v3**).

James creates **HAPI FHIR** as a complete implementation of the **HL7 FHIR** standard for healthcare interoperability in Java.

***HAPI FHIR** becomes the world's most popular FHIR server.

2016 — SMILE IS LAUNCHED

Duncan and James leverage their collective knowledge of health data and **HL7 FHIR** to launch Smile CDR!

2022 — SMILE CDR TO SMILE DIGITAL HEALTH

Smile changes its name from Smile CDR to **Smile Digital Health**.

2023 — SMILE RELEASES NEWEST VERSION OF FHIR!

HAPI FHIR and Smile now contain the final R5 resource definitions for the latest FHIR release!

Support for the new R5 subscription model is included, and a new R5 storage module type is added.