



# ARTICLE

## DEFINING THE LONGITUDINAL CASE: A STRUCTURAL SHIFT IN CLINICAL DATA ARCHITECTURE

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Legacy health information technology relies primarily on the retrospective extraction of fragmented data from electronic health records (EHR). This approach results in a high noise-to-signal ratio and significant missing information, which necessitates years of manual data cleaning and mapping before the evidence is usable for research or regulatory submissions. The resulting data is often a mere "snapshot" of a single clinical encounter, lacking the continuity required to evaluate long-term treatment efficacy.

## THE SEQUENTIAL HIERARCHY OF VALUE

The RegenMed platform resolves these systemic inefficiencies through a "Sequential Hierarchy" designed to ensure every datapoint is clinically relevant from the moment of inception. This prospective framework consists of the following components:

- **Clinical Hypothesis:** Scientific objectives are grounded in actual medical practice rather than theoretical laboratory settings.
- **Observational Protocol (OP):** A standardized blueprint that defines what data must be collected and how it must be formatted.
- **Attributes:** Standardized characteristics, such as diagnosis and correlated outcome measures, that are inherited by every patient record generated under the protocol.
- **The Case:** The fundamental unit of value that tracks a single patient's longitudinal journey.
- **The Circle:** A collaborative engine where multiple physicians collect Cases based on the shared protocol to reach statistical significance rapidly.
- **The Circle Dataset:** A verifiable, regulatory-ready dataset composed of these integrated patient journeys.

Download RegenMed white paper ["Bridging The 17 Years Evidence to Practice Gap"](#) to go deeper.

## GET INVOLVED OR LEARN MORE – CONTACT US TODAY!

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