viewpoint Evidence

Looking back: Verily's previous work in longitudinal registries

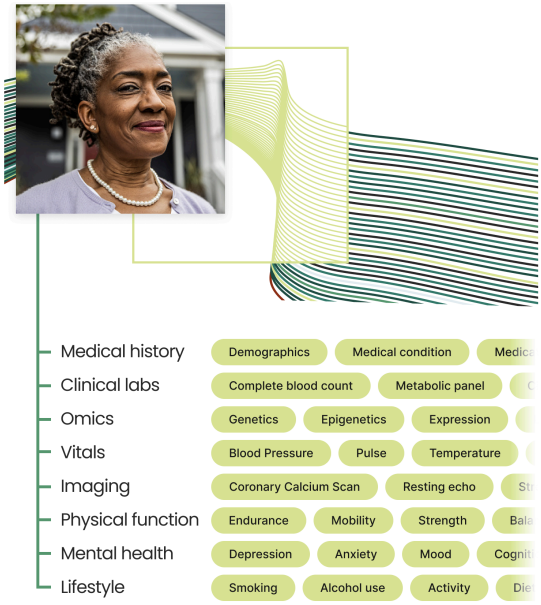
From Baseline to Breakthrough

Launched in 2017, the Baseline Health Study was an ambitious initiative to better understand the highly complex interplay between biological, behavioral, and environmental factors over time.

The resulting deeply phenotyped dataset enables researchers to define healthy baselines, explore early markers of disease, develop predictive health models, and more.

Baseline Health Study (BHS)

- Enrolled **2,500+ individuals** to build a deep, multi-dimensional map of health.
- Collected **4+ years of longitudinal patient data** (e.g. clinical assessments, medication, sensors, PROs)
- **Linked claims** and other 3P data to augment site CRF data
- Built a **representative US cohort** that was 36% non-white, 57% female, and had a balanced age distribution from 18-65+ (median 51)
- Processed several **terabytes of data per participant,** creating one of the most comprehensive research datasets of its kind



In collaboration with:

Duke University School of Medicine

Stanford MEDICINE

A proven record of scientific impact across 20+ publications

The rich dataset from the Baseline Health Study has fueled publications that deepen our biomedical knowledge, advance the field of digital medicine, and inform more participant-centric research methods. Examples include:

Digital Biomarkers for heart failure[1]

Revealed, via wearable data, that a slower walking pace can be an early sign of asymptomatic heart failure.

A new view of prediabetes[2]

Showed that prediabetes is an active state of multi-system decline, not just a simple risk factor.

Epigenetic aging[3]

Linked the concept of "biological age" to a wide array of concrete, clinically measurable outcomes.

The Next Chapter: Verily Evidence Solutions

The Baseline Health Study provided the foundational experience for a new paradigm in research. **Today, Verily continues to provide real-world data and real-world evidence solutions with Viewpoint Evidence, a solution that moves beyond temporary, study-centric trials to build a participant-centric research ecosystem.** Verily's community of engaged, re-contactable registry participants will act as a persistent, reusable evidence engine to accelerate research. For each participant, Verily creates a unified, longitudinal view of their medical history, including transforming raw, unstructured inputs into fit-for-purpose variables. **This modern infrastructure provides the tools to prospectively answer your most critical questions.**

Relevant, representative cohorts

Viewpoint offers flexible pathways to assemble your ideal research cohort, leveraging our proven experience building the diverse, 2,500-person BHS cohort. Draw from Verily's growing registry, onboard your own participants for long-term follow-up, or recruit new populations.

Highly engaged research participants

Viewpoint allows you to generate new, prospective data by activating a direct connection to an engaged, re-contactable community, enabling you to deploy custom surveys and ePROs, offer follow-up molecular testing, or run entirely new studies. Our experience with BHS demonstrated an ability to keep participants engaged with research:

94%
Of BHS participants were retained through 4 years

80%
completed 3+ annual visits

97%
proactively engaged with their personal health data[4]

A unified, longitudinal view of the patient journey

Building on methods for linking disparate data pioneered by Verily within BHS, Viewpoint overcomes the fragmentation of traditional RWD such as standalone claims by creating a unified, longitudinal record from the multiple health systems, labs, and pharmacies a person uses.

Curated, research ready datasets

Building on our experience curating terabytes of data from BHS, Verily now refines raw inputs into clean, research-ready datasets, including curation using AI, to extract critical insights from unstructured data and create the fit-for-purpose variables you need for your research.

1 - Shin S, et al. Real-world walking behaviors are associated with early-stage heart failure: a Project Baseline Health Study. *Journal of Cardiac Failure*. 2024; 2 - Chatterjee R, et al. Multi-dimensional characterization of prediabetes in the Project Baseline Health Study. *Cardiovascular Diabetology.* 2022; 3- Uchehara B, et al. Accelerated Epigenetic Aging Is Associated With Multiple Cardiometabolomic, Hematologic, and Renal Abnormalities: A Project Baseline Health Substudy. *Circulation: Genomic and Precision Medicine.* 2023; 4 - Defined as accessing the Baseline portal for activities other than required surveys, such as return of results; Data on file for all Verily statistics