



# LOGEX Healthcare Observatories

From clinical data to real-world evidence



## Why real-world evidence matters

Randomised controlled trials (RCTs) are essential for establishing efficacy under controlled conditions, but they may not fully reflect everyday healthcare practice. They can provide limited insight into long-term outcomes, routine treatment and resource use, and variability across broader patient populations.

Real-world evidence (RWE) complements RCT findings by assessing how care performs in routine clinical practice across broader, more representative patient cohorts. The use of routinely collected real-world data (RWD) enables the evaluation of long-term outcomes, a longitudinal view of the patient journey, population-specific effects, and comparative care pathways.

RWE can be generated through a Healthcare Observatory, which continuously integrates, standardises, and analyses RWD across centers and countries. This enables consistent, comparable insights into disease management, outcomes, and variation in care over time.

# LOGEX Healthcare Observatories

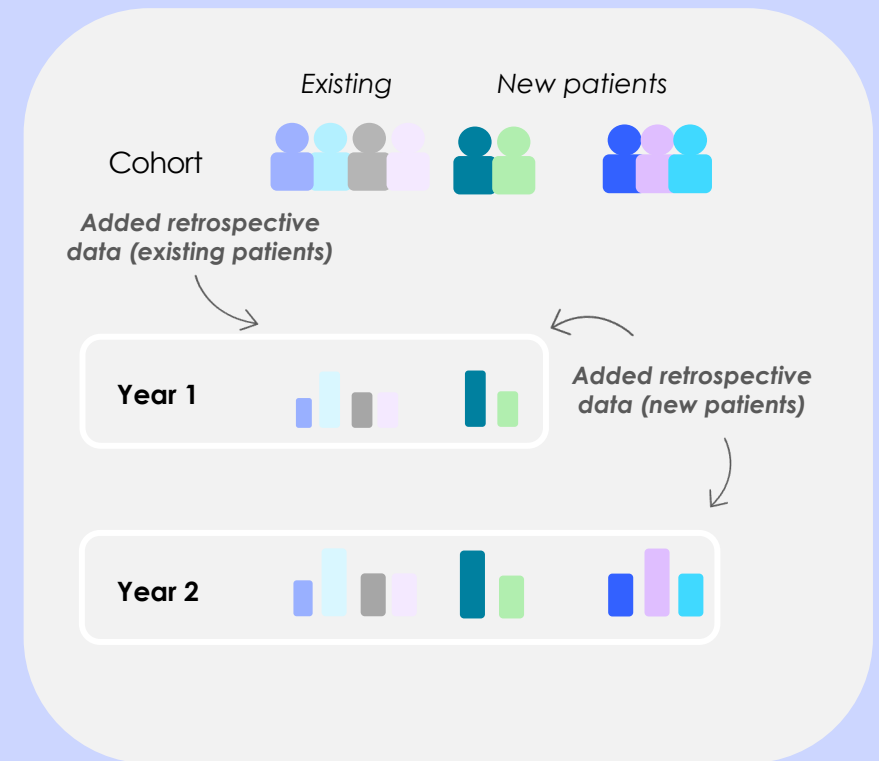
LOGEX Healthcare Observatories are developed in collaboration with hospitals to collect and integrate multi-source hospital data from daily clinical practice.

They are built around three therapeutic areas: Immune-Mediated Inflammatory Diseases (**IMID**), Respiratory Tract Infections (**RTI**), and **Solid tumors**.

They are designed as retrospective cohorts, enabling a longitudinal view of real-world clinical practice.

Each LOGEX Healthcare Observatory integrates data sets from medication use, diagnoses, laboratory results, and healthcare resource utilisation (HCRU).

Data are currently collected in Spain, the United Kingdom, and the Netherlands, with expansion underway in Germany and France.

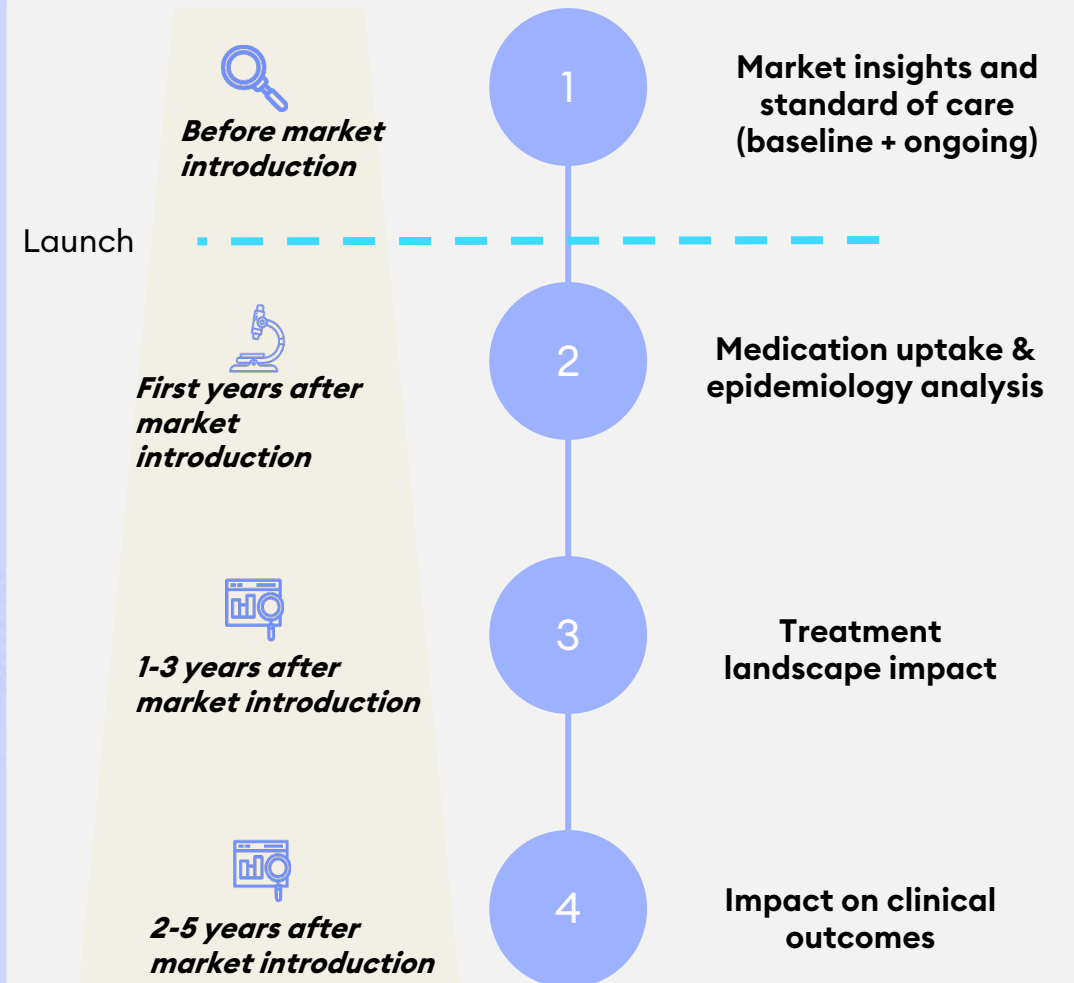


# How Healthcare Observatories help

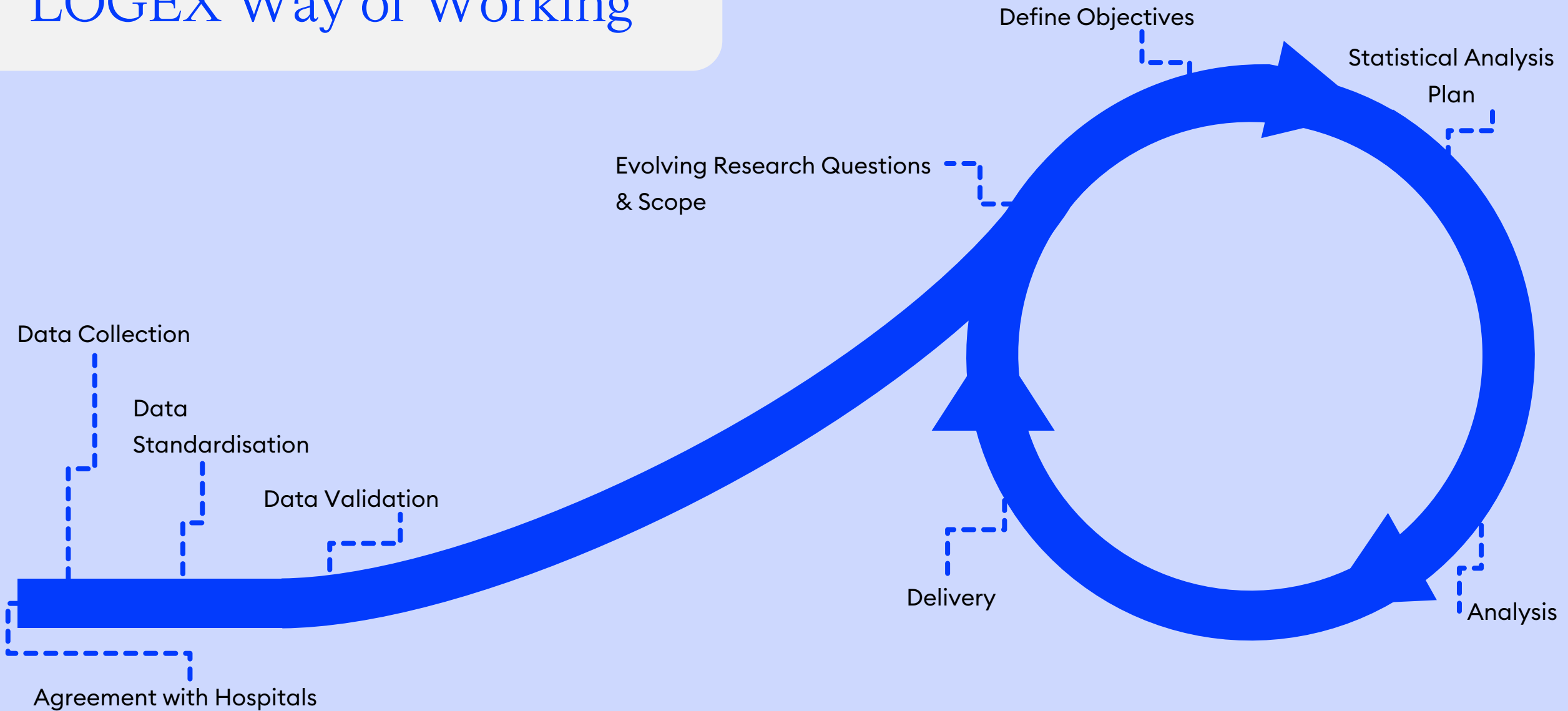
A Healthcare Observatory delivers continuous real-world insights across the medication lifecycle.

It generates robust evidence to inform decisions across the medication lifecycle, from early insights into markets and treatments to the assessment of long-term outcomes.

## Providing value at all stages of the medication lifecycle



# LOGEX Way of Working



Building the Observatory

Using the Observatory

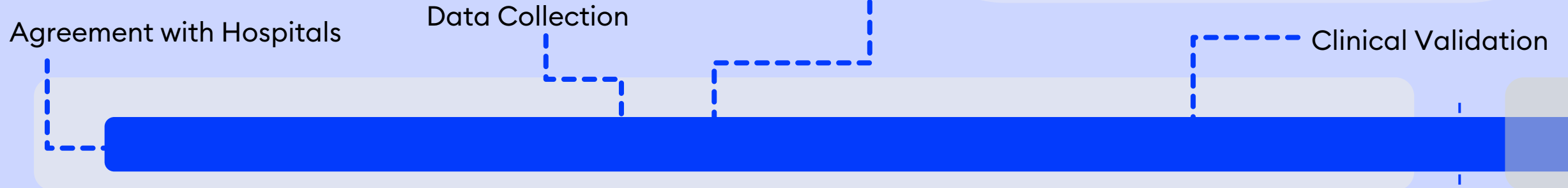
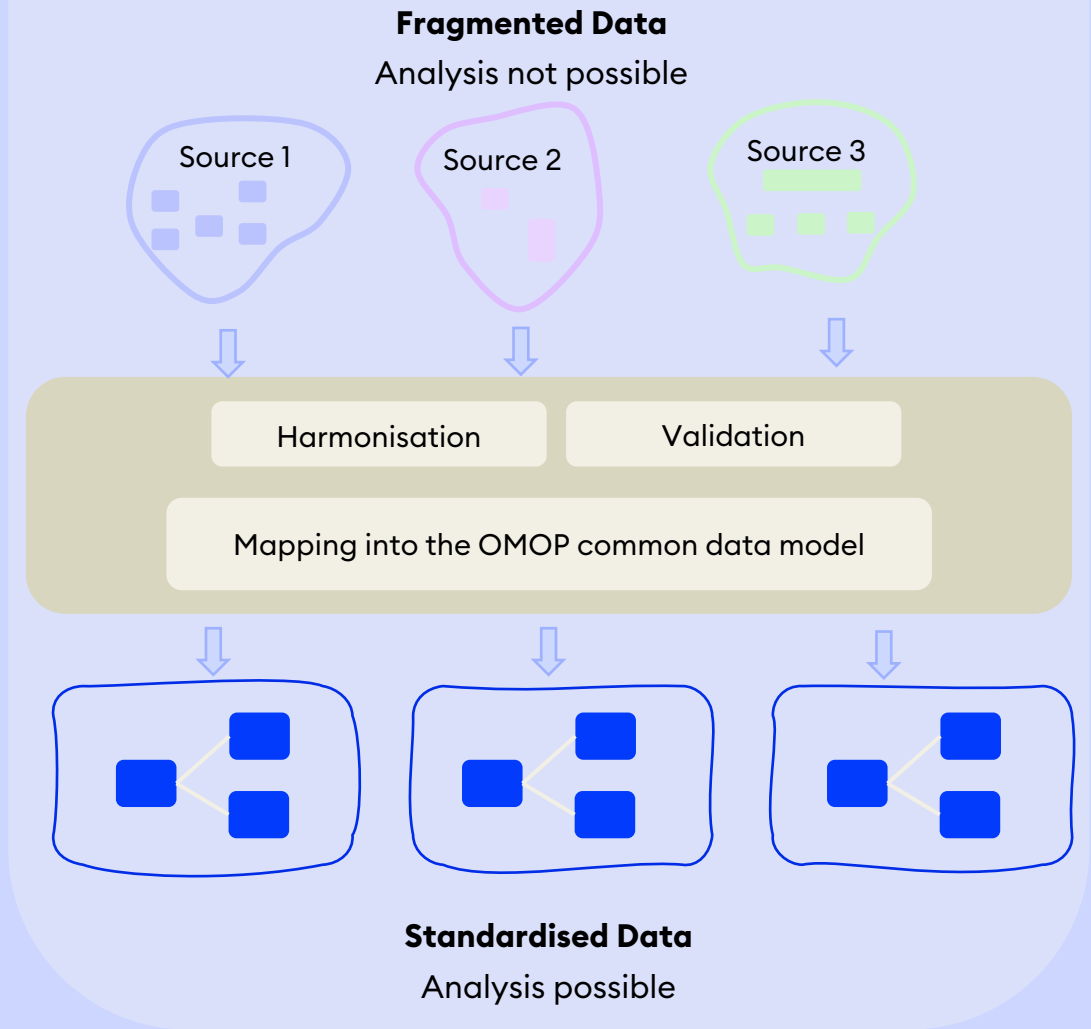
# LOGEX Way of Working

## Data Standardisation

Comparing data across systems requires standardisation.

Through close collaboration with hospitals, clinical data is validated, harmonised and mapped to the OMOP common data model.

This creates a secure, comparable foundation for multi-hospital and cross-country analysis.



# LOGEX Way of Working

Evolving Research Questions & Scope

## Define Objectives

All questions from our research partners are structured across primary, secondary and exploratory objectives which are then formalised into a study protocol.

### Objectives

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

#### Primary Objectives

1. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus libero leo, pellentesque ornare, adipiscing vitae, rhoncus commodo, nulla.
2. Fusce quis ipsum. Nulla neque massa, feugiat sed, commodo in, adipiscing ut, est. In fermentum mattis ligula. Nulla ipsum. Vestibulum condimentum augue. Nunc purus risus, volutpat sagittis, lobortis at, dignissim sed, sapien.

#### Secondary Objectives

1. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus libero leo, pellentesque ornare, adipiscing vitae, rhoncus commodo, nulla.
2. Fusce quis ipsum. Nulla neque massa, feugiat sed, commodo in, adipiscing ut, est. In fermentum mattis ligula. Nulla ipsum. Vestibulum condimentum augue. Nunc purus risus, volutpat sagittis, lobortis at, dignissim sed, sapien.
3. Fusce quis ipsum. Nulla neque massa, feugiat sed, commodo in, adipiscing ut, est. In fermentum mattis ligula. Nulla ipsum. Vestibulum condimentum augue. Nunc purus risus, volutpat sagittis, lobortis at, dignissim sed, sapien.

#### Exploratory Objectives

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus libero leo, pellentesque ornare, adipiscing vitae, rhoncus commodo, nulla. Fusce quis ipsum. Nulla neque massa, feugiat sed, commodo in, adipiscing ut, est. In fermentum mattis ligula. Nulla ipsum. Vestibulum condimentum condimentum augue. Nunc purus risus, volutpat sagittis, lobortis at, dignissim sed, sapien. Fusce porttitor iaculis ante.

## Statistical Analyse Plan (SAP)

Research questions are mapped within a long-term evidence roadmap and evolve across successive analytical cycles.

Rather than a single, static study, each phase of the Observatory is governed by its own study protocol, allowing objectives to be refined and expanded over time while maintaining methodological consistency and scientific robustness.



# LOGEX Way of Working

Evolving Research  
Questions & Scope

## Delivery

Our RWD team translates predefined objectives into robust, actionable reports, generating validated longitudinal insights from real-world data.

Built on a single, integrated system, these results provide an evolving, holistic, patient-centred view of daily clinical practice and form a strong foundation for continuous refinement of research questions and iterative exploration over time.

Findings are communicated to the wider scientific community through peer-reviewed publications, abstracts and scientific congresses.



Analysis

## Healthcare Observatories as a strategic lens on real-world standard of care

LOGEX acts as a long-term strategic partner. Our Healthcare Observatories are designed to continuously track, benchmark, and contextualise real-world standard of care through a multi-year evidence roadmap rather than isolated research questions.

As new data is included and updated, the Observatory delivers increasingly robust and representative insight into how care pathways, practice variation, and outcomes evolve over time. This living evidence foundation enables partners to anticipate future evidence needs and make informed strategic decisions beyond individual studies.

Do you have a strategic evidence objective in mind? Contact [Femke Oldenziel](#)



Visit our website for more information:  
[www.logex.com](http://www.logex.com)