

European RTI Observatory: real-world insights into your hospital

RTI: current treatment landscape and challenges

Respiratory tract infections (RTIs) are a major global health issue, especially for vulnerable groups like children, the elderly, and immunocompromised individuals. They range from mild upper respiratory symptoms to severe, life-threatening lower respiratory infections and are caused by diverse viral and bacterial pathogens. Vaccination programs, improved infection control measures and targeted antimicrobial therapies help decrease the disease burden and hospitalisations.

However, **major challenges remain**. These include timely real-world data to track infection trends, co-infection patterns, pathogen-specific hospitalisation rates and length of stay, as well as long-term morbidity and mortality. Real-world data can capture these endpoints to help address the unmet medical needs of patients living with RTIs and reduce the burden of disease.

Real-World Evidence solutions

To help **address these unmet needs**, our RTI Observatory offers a **practical, low-effort solution**:

- With minimal input from your team, we **securely extract and harmonise routine clinical data**
- We return an **interactive, privacy-protected report with actionable insights** to close evidence gaps and support better care across RTIs.

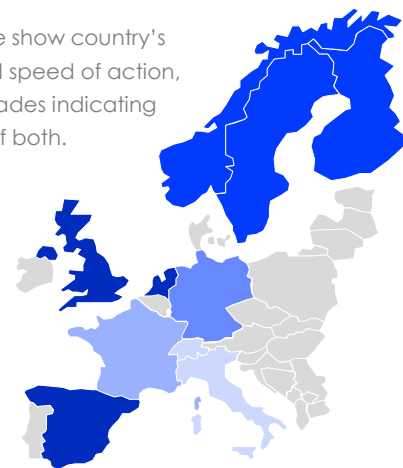
The European RTI Observatory: what is it and how does it work?

The RTI Observatory brings together **European hospital partners** who **share longitudinal retrospective real-world data**, providing the unique opportunity to **explore real-world cohorts** across countries and centers to **address specific research questions**. With a robust structure in Spain, the United Kingdom and the Netherlands, the Observatory is expanding to other European countries.

Our Observatory covers **8 core infectious areas**:

- Respiratory Syncytial Virus (RSV)
- Influenza
- Human Metapneumovirus (hMPV)
- Parainfluenza Virus (PIV)
- Streptococcus pneumoniae
- SARS-CoV-2
- Adenovirus
- Rhinovirus

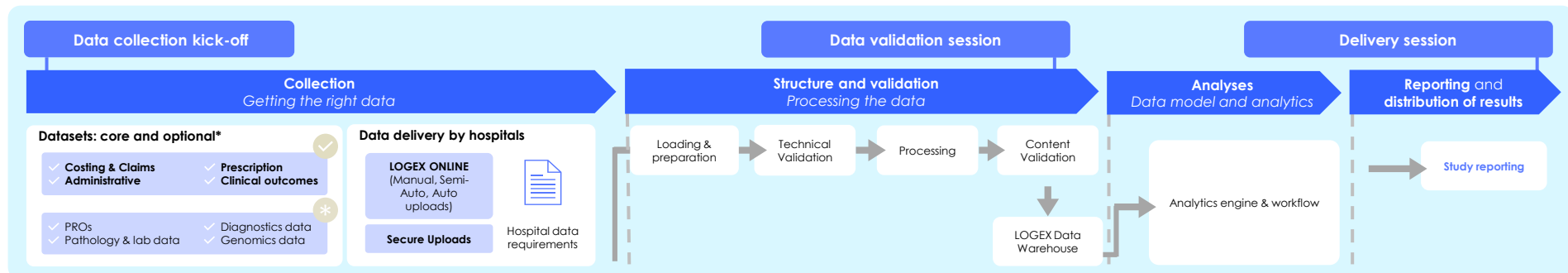
Shades of blue show country's coverage and speed of action, with darker shades indicating higher levels of both.



Data: source, collection, validation and delivery

- ✓ The data infrastructure is set up during the onboarding, validated by LOGEX and delivered ready-to-use.
- ✓ LOGEX supports your team with data extraction and upload.

- ✓ Data pseudonymisation enables longitudinal follow-up with updates of data readouts.
- ✓ Transparent process, **your team is always the owner of its data**.

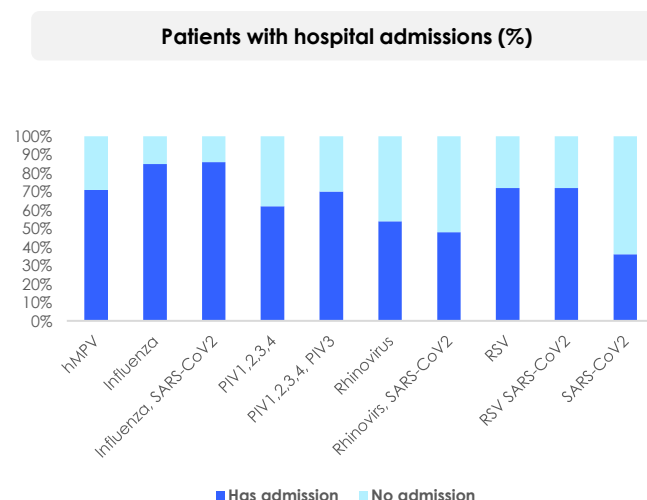
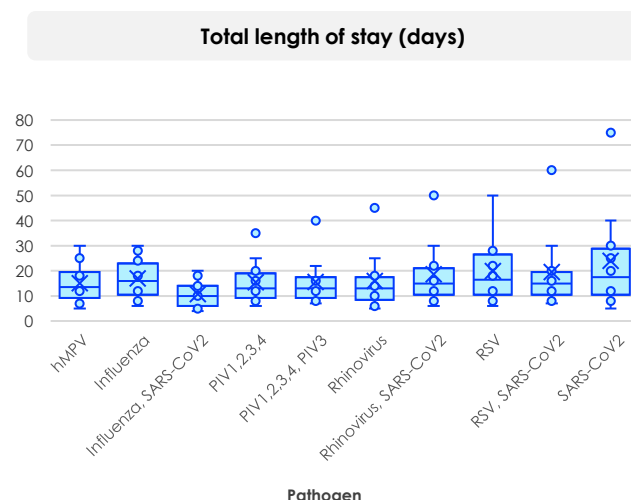


Deep-dive into your patient care: tailored actionable insights

example dashboard

By participating in our Observatory, you **gain access to practical, data-driven insights of your choice that support your clinical decision-making**, for example:

- **Treatment patterns:** sequencing, adherence, resistance
- **Outcomes** linked to microbe type
- Patient demographics and **co-infections**
- **Stratified patient insights**, incorporating age, risk factors and **microbiology** data
- **Benchmarking across institutions**, comparing on national and international scales
- **Resource utilisation and costs analysis** (ICU, hospitalisation, treatment type)



Figures show example insights. Left: total length of stay per pathogen type. Right: percentage of admitted patients per detected pathogen.

How to join our RTI Observatory

If you wish to join the RTI Observatory, the next step is to sign a participation agreement. Thereafter we will provide the support for the data transfer.

To start the sign-up process, we kindly ask you to reach out to our RTI lead, **Eric**, at eric.grossat@logex.com

Data Privacy & Security

LOGEX ensures data security and privacy by design, with **GDPR compliance**, **ISO27001 certification**, and **strict access controls**. Hospitals retain full ownership, and only **fully anonymised and aggregated data** may be shared with third parties

LOGEX