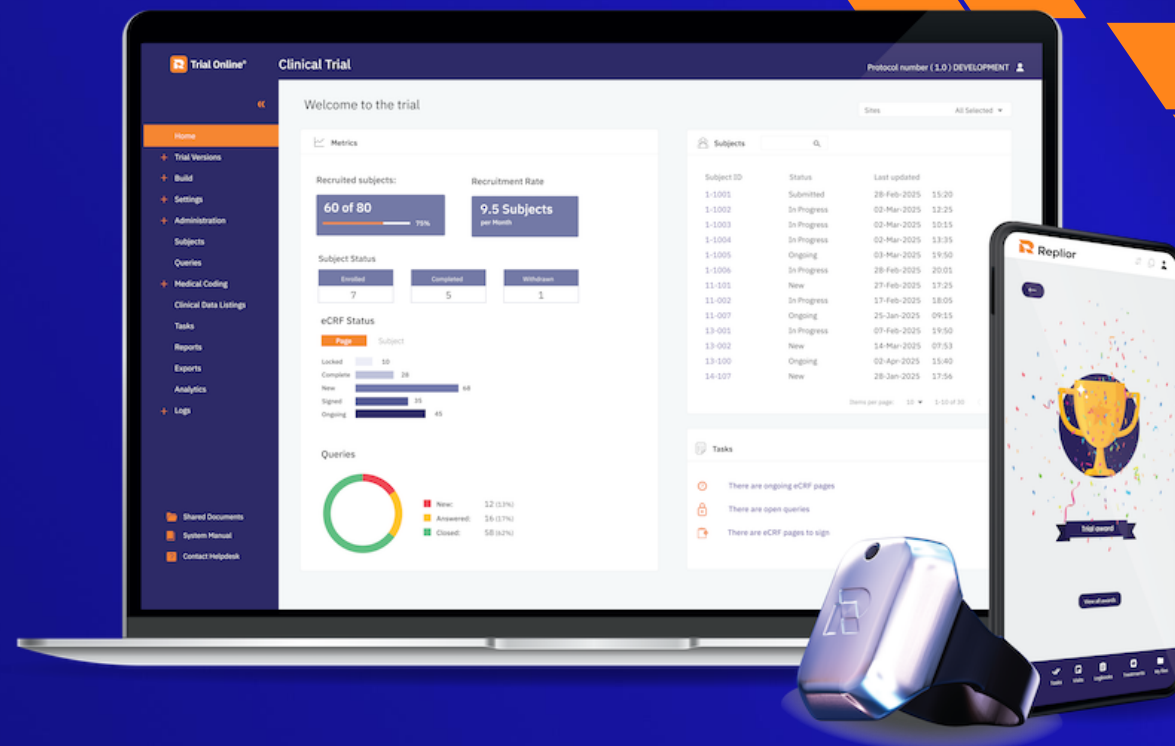




Data Collection Platform  
that Adapts to Your Trials



# Executive Summary:

## Driving Clinical Trial Success

### Universal **challenges:**

High Dropout rate: Leading to reduced statistical power.

Low ePRO Compliance level: Driving extended timelines and higher costs.

### **Our Promise** - Retention & Efficiency:

We deliver a next-generation data collection platform purpose-built for complex designs, leveraging our extensive expertise (including dermatology) to:

- Increase retention and ePRO compliance via behavioral science and gamification.
- Shorten timelines through faster builds and cleaner data.

### **Core Capabilities:**

ePRO: Customised videos, Messages, reminders, awards, and progress bars to maximize compliance.

Next-Gen Tech: Modular, ready for AI-driven insights, with a global library.

Flexible Models: Self-service, hybrid, or full-service options to fit any workflow.








# Data Collection Solutions for Clinical Research

- ▶ EDC, eCOA, eConsent
- ▶ In house developed wearable sensors
- ▶ DM- and provisioned device services



## Our Journey

Over two decades of industry presence Replior has consistently evolved, driving innovations in clinical trial data collection systems

-  20+ Years of Clinical Trial Data Collection
-  40+ Patient languages in ePRO
-  Headquarters in Sweden
-  Data hosted in Sweden in different locations
-  Hosting in other locations available
-  Global Presence and Experience
-  Privately Owned

# Regulations, Standards & IT Operations

Audited by multiple CROs and Sponsors

## Replior Trial Online Product suite

- Clinical Trial Software systems designed in accordance with guidelines and recommendations from regulatory entities.
- Compliant with privacy and clinical trial legislation and guidance.
- Replior's Quality Management System (QMS) is built on quality standards in the industry, e.g., guidelines and directives provided by FDA, EMA, GCP and ISPE.



## IT operations and Hosting

- High security hosting by Complior, a sister company
- IT operation services for regulated markets ensuring compliance, privacy and data integrity.
- Fully redundant infrastructure provided from geographic separated data centers
- **ISO 27001, ISO 9001, ISO 14001 and PCI DSS** certified





# Your Benefits

- Reliable, high-accuracy scratch and UV sensors for objective, real-world data
- Increase retention and ePRO compliance using behavioural science & gamification, catch your critical data
- Shorten Timelines with EDC and eCOA
  - Quick and easy study builds and deployments
  - Design flexibility to support complex study designs
- Extensive and customizable reporting and analytics
- New EDC purpose-built for complex designs with an intuitive UI and a global CRF/SDTM library.

## 3 outcomes using platform



Better Data



Time Savings

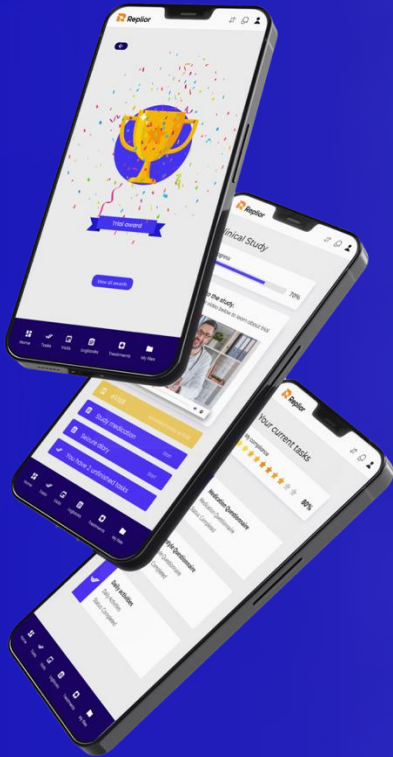


Platform that fits the study

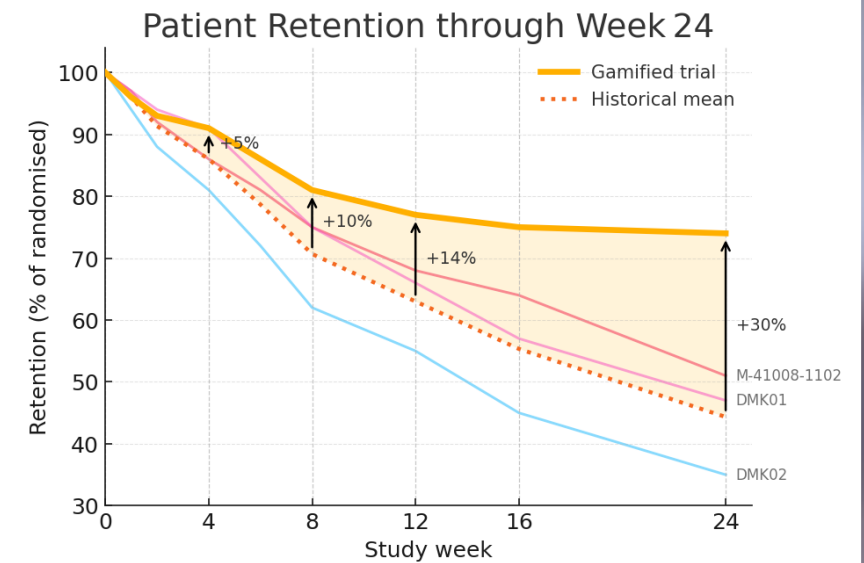
Feature	Description	Benefit
Easy & Fast Study Setup	Intuitive configuration; fast delivery	Accelerated Study Start
Dashboard Overview	Real-time monitoring of study, site, and patient compliance and progress	Faster issue detection and smoother study execution
Native App or Web	Full multilingual support	Maximum Patient Reach & Comfort
Validated ePROs	Ensuring data reliability and compliance	High-Quality, Regulatory-Ready Data
Time-Controlled Questionnaires	Scheduled delivery with defined time windows, reminders, and notifications	Data is collected precisely as required by the protocol, minimizing deviations and improving compliance
Flexible Input Methods	Radio buttons, tick boxes, scales, body maps, etc	Optimized Data Capture
Video Visits & Images	Enables remote assessments and visual evidence collection	Enhanced Data Richness & Reduce Patient Burden
Treatment Arm / Patient Group Support	Tailored data collection based on assignment	Operational Efficiency

# ePRO Powered By Behavioural Science

We create patient journey with :



- Scheduled and Targeted videos
- Nudging
- Feedback Loops
- Friction-Free Flows
- Reminders
- Educational and Motivating content and messaging
- Awards and Badges
- Progress and Compliance Bars



- ▮ Supports Complex Trial Designs
  - ▮ Handles multi-arm studies with multiple randomization steps
- ▮ Centralized Control
  - ▮ One portal for study setup, user management, and role assignments – Simplified study management
- ▮ Intuitive Interface
  - ▮ Easy-to-use design backed by years of data management expertise
- ▮ Robust Data Libraries
  - ▮ Global eCRF, code lists, and lab test repositories

- ▮ Flexible Configuration
  - ▮ Postproduction changes without downtime
- ▮ Comprehensive Reporting
  - ▮ Built-in reporting library
- ▮ Advanced Lab functionality
  - ▮ Streamlined support for both local and central labs
- ▮ Role-Based Dashboards
  - ▮ Real-time insights and study oversight for different user types



# Smart Scratch Ring

A ring-form wearable for objective, continuous measurement of **scratching behaviour** and **sleep patterns** in clinical trials.

- **Wearable smart ring** to measure scratch / itching & Sleep
- Multiple proprietary sensors
- Accurate, close-to-action measurements
- Scratch frequency, duration, intensity, pressure & Sleep measurements
- Other metrics such as sleep, HRV, blood oxygen, skin temperature, visible light



# Digital Endpoints

# UV & Visible Light Sensor

## Direct integration

### **Wearable UV sensor continuously measurement**

- Monitor patients UV exposure and Visible light
- Fitzpatrick skin type (UV tolerance factor) entered during enrolment
- Groups / treatment arms with customizable differences, blinded, scheduling, questionnaires, eDiaries etc.

## Raw data, Aggregated daily exposure & Real-time UVI

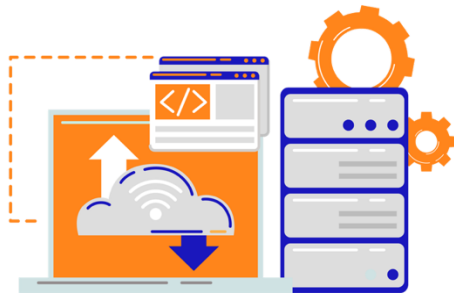
### **Dynamic sampling, logging UVI and RGB data**

- Customizable graphs showing daily / weekly UVI dose
- Real-time UVI / light intensity graph
- Tailored thresholds for dose notifications, example at 25%, 50%, 75%, 100%, 150% of recommended daily dose, with unique messages



# Flexible Study Set-up

Full Service  
We do the set-up



Complete system configuration &  
Deployment

Self Service  
Client set-up  
After training



Empowered client-led implementation

Hybrid



Flexible, collaborative approach



Training and knowledge  
transfer

Comprehensive Workshops and  
resources



Fast set-up using  
the platform

Rapid deployment  
& Go-live



# Client Driven Innovation: Collaborative R&D

- ▶ Tailored System Development: Agile adaptation to client-specific needs
- ▶ Strategic Feature Evaluation: Consideration for universal functionality integration

## Highlighted Innovations

- ▶ Gamification in ePRO
- ▶ Voice Recording as cognitive bookmark
- ▶ UV-sensor integration
- ▶ Advanced responder calculations
- ▶ Personal photos of treatment area in ePRO integrated with medical imaging systems

# Conclusion:

## Delivering on Our Promise

We bring maximum flexibility, with customizable workflows, client-driven innovation, and operational models that adapt to each study's needs. Our strong delivery track record and long-term commitment result in high client satisfaction.



*“We selected the Replior solution because integrating the UV sensor with the study ePRO app simplified access and supported participant retention and engagement, while streamlining UV exposure monitoring for our study team.”*



**Diego Herrera,**  
**Almirall**  
**Head of Clinical Data Management**







Let's talk! [katri.langel@replior.se](mailto:katri.langel@replior.se)