UroEvidenceHub

Data Haven

An interoperable data capture and analytics platform for urology.

Deep dive into the potential of Real-World Evidence in Urology.

Innovate with us!

powered by the European Association of Urology
Next-generation urological care is evidence-based, patient-centric, cost-effective and data-driven.
The European Association of Urology launched a new data innovation programme: the EAU UroEvidenceHub, a Real-World Evidence (RWE) generation ecosystem that will use artificial intelligence and data science to accelerate research and personalised care for patients with urological diseases.

The EAU UroEvidenceHub will bring together experts in urology, RWE generation, artificial intelligence in healthcare, epidemiology, data science and guideline development to address evidence gaps in urological care. The UroEvidenceHub encompasses the Data Haven, a dedicated interoperable data capture and analytics platform for urology and related disciplines.

Mission

Drive the next scientific leap in urology, enabling personalised care for all urology patients guided by Real-World Evidence and patient preferences.
A data capture and analytics platform

Hosting high quality longitudinal prospective data

Featuring high-level technical environments to collect, harmonise and exploit data in a secure and federated manner.

Data security in compliance with GDPR, EHDS and EU AI act
FAIRification of data
Mapping and standardisation of clinical data (OMOP)

Big Data analytics, machine learning and explainable Artificial Intelligence

Data Haven
Interoperable and interconnected

Setting up collaborations and data sharing on a project-by-project basis using federated analytics.
Living Guidelines

Incorporation of RWE from continuously updated RWD into clinical guidelines. Quality assessed and accurately translated into clinical guidance tailored to individual patients and the specific treatment setting.

Urologists have always been at the forefront of innovation. Now it’s time to lead the data-driven transformation.

“Big data will allow us to expand on the randomized trial data that we already have. We need to understand how patients are living with the disease. It may also allow us to take the concepts that we are developing and test how they work in real life. Artificial intelligence will allow us to process data to notice the patterns. The skull will be to work through the data and draw conclusions in a scientifically valid way.”

Philip Cornford

*EAU Prostate Cancer Guidelines Panel, University of Liverpool.*

“Imagine you have an opportunity to transform generalised guidelines into computer-interpretable instructions that interface with data on a patient’s electronic health record. This gives us a chance to have highly individualized clinical pathways for a specific patient. Instead of static recommendations, you will have a complete view of treatment options with precise predictions. It completely changes how we work, giving us the evidence we lack. Physicians will not have to figure out which intervention is best; they will know it.”

James N’Dow

*EAU Guidelines, EAU Adjunct Secretary General Education, University of Aberdeen, Lead PIONEER, Lead OPTIMA.*
We need Real-World data and Real-World Evidence to advance clinical practice in urology, will you innovate with us?

“So far, researchers have generated knowledge relying on randomized control trials. It is evidence generation at level one. RCTs are performed in the perfect world. But real-world conditions are more complex; thus, patients do not always fit even the most carefully selected cohort. It is time for level two of research by including RWD. We do not know what the impact treatments created in laboratory settings will have on every patient. Each patient is an individual, not a population.”

Juan Gomez Rivas
Board Member EAU Young Urologists, Chair of EAU Young Academic Urologists, Board Member European School of Urology, Hospital Clínico San Carlos.

“Data innovations can really transform the way that urologists work and give care personalised care to their patients. We will be able to discover new markers, new predictive factors, that could help us understand that different patients with the same disease will undertake a different journey. Data innovations will enable us to understand new pathophysiological pathways to reach our major goal: give the proper care to the proper patient, to individualize the way we treat all patients.”

Maria Ribal
Chair EAU Guidelines Office, Serrate & Ribal Institute of Urology, Hospital Clinic of Barcelona.

“Only by working together we can unlock the potential of Real-World Evidence. Bringing together, standardising and analysing the data we are generating in daily clinical practice, together with already available evidence from RCTs, will create the evidence we need to provide tailored care to the individual patient.”

Monique Roobol
EAU Guidelines Office, ErasmusMC.
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