Transforming Data into Real-World Evidence (RWE) for Better Value-Based Decisions

True rapid-cycle analytics powered by your Real-WorldData (RWD), Clinical Trial Data and delivered by Acorn AI's RWE Solutions.
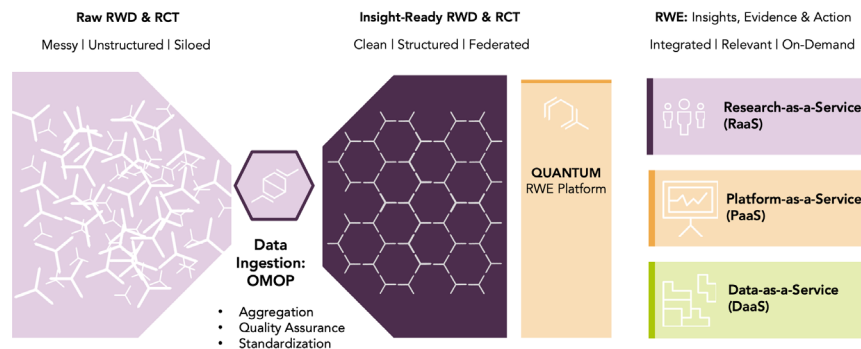
In today's data-rich world, finding the "right" data set and making it insight-ready to drive value across the clinical and commercial continuum is a major challenge facing many life science companies. Acorn AI's RWE Solutions fully support your life science researchers in observational research, advanced analytics and study design. Through the use of the SHYFT technology (STRATA, QUANTUM) technology, Acorn AI can ingest any relevant healthcare data available in the OMOP Common Data Model format, to rapidly deliver value and expertise through a combination of scientific rigor, technology innovation, and evidence generation. Drive insights across your organization's Clinical Research, Epidemiology, HEOR, Pharmacovigilance, Market Research, Corporate Development, Brand Marketing and Commercial teams using the industry's first true RWE solution for producing statistically robust and submission-ready studies.

RWE Solution Value
Unique technology:
Quickly, and easily generate accurate insights and evidence from Real-World and clinical trial data through rapid cycle analytics without programming with full transparency into study designs, viewed through a user-friendly interface. All of which are scalable, extensible, scientifically validated, and shareable.
Healthcare data expertise and flexibility:
Acorn AI healthcare data experts provide everything you need to make your data better and available, including development of your data strategy and ongoing management, as well as data integration, standardization, conversion, optimization, and quality assessment - all across any type of healthcare data. Real World Data can be ingested, cleaned, structured into the OMOP CDCM and made insight-ready through STRATA.
Scientific expertise in research:
Expert team with advanced analytics and study design expertise. We offer full and flexible service options from data assets selection, conversion, integration, to Research as a Service, study design, results delivery, insights and development of your publication strategy.

The Value of RWE Solutions

Impactful Insights in a Fraction of the Time

BRINGING RAW DATA TO INSIGHTS, EVIDENCE AND ACTION

Raw RWD & RCT
Messy | Unstructured | Siloed

Insight-Ready RWD & RCT
Clean | Structured | Federated

RWE: Insights, Evidence & Action
Integrated | Relevant | On-Demand

Data Ingestion: OMOP
- Aggregation
- Quality Assurance
- Standardization

QUANTUM RWE Platform

Research-as-a-Service (RaaS)

Platform-as-a-Service (PaaS)

Data-as-a-Service (DaaS)

Use Cases

Trial Optimization
- Understand the impact of Inclusion/Exclusion criteria design on patient attrition

Patient Profiling
- Compare patient profiles from real-world vs. clinical trial sources such as demographics, disease progression, treatment journey

Outcomes Exploration
- Comparative outcomes between patient subgroups in a data source as well as real-world vs. clinical trial populations

Epidemiological Insights
- Total addressable population; incidence and prevalence; sub-populations

Patient Journey
- Population size; patient profiles; natural history of disease; sites and episodes of care

Treatment Patterns
- Line of therapy; drug switching patterns; adherence & persistence

Burden of Illness
- Cost of care; drivers of health resource utilization; cost effectiveness

Clinical Outcomes
- Real world effectiveness/safety; Comparative effectiveness; Historical benchmarks and synthetic controls

Brand/Commercial
- Segmentation; Healthcare Provider (HCP) adoption and value-based contracts

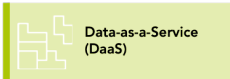**⠿ medidata**

FLEXIBLE OPTIONS THAT MEET YOUR NEEDS

Platform-as-a-Service (PaaS)

Do it yourself! Subscribe to QUANTUM and allow our RWE team to provide training and ongoing support.

Research-as-a-Service (RaaS)

Gain access to the RWE experts to execute your studies, research and perform ad-hoc analysis using our advanced technology, QUANTUM.

Data-as-a-Service (DaaS)

Full end-to-end service. RWE experts perform data due diligence and feasibility assessments, aggregate, integrate and standardize data sets and deliver a research ready data asset to power external stakeholder analyses as well as internal stakeholder projects and advanced analytics.

RWE Delivered with Best-in-ClassTechnology

QUANTUM

QUANTUM allows life science companies to design, conduct, and gain insight from outcomes-based observational research in hours rather than months and delivers a powerful tool to perform rapid cycle analysis.

CLINICAL SEARCH AND COHORT GENERATOR

Browse different clinical vocabularies and medical coding standards and RWE metadata and define specific patient populations with detailed inclusion and exclusion criteria – all in a simple and intuitive user interface that users across all functions and statistical skill levels can use.

OUTCOMES AS AN ADVANTAGE

Rapidly test patient and population-level hypothesis on your precise cohort's outcomes data to identify unmet needs, patient treatment paths, therapeutic area segments, and the relative value of pursuing additional indications. Test and validate clinical trial design protocols by easily testing unlimited sets of hypothesis around population size/trial feasibility, outcomes, and site options.

RAPID CYCLE ANALYSIS

Build cohorts, define variables, and run studies in a fraction of the time so that you can spend less time waiting and more time optimizing your clinical and commercial strategy. Leverage native analytic tools representing over 40 statistical best practices such as cohort attrition, measures of association, cluster analysis, multiple regression analysis (Logistic, Linear, etc.), multiple survival analyses, ANOVA/ANCOVA, propensity scoring and line of therapy analyses, etc.

HIGH-DIMENSIONAL PROPENSITY SCORING

Perform real multivariate or propensity-matched comparative effectiveness research quickly and easily so that you can increase confidence in your pipeline and create data-driven cases to boost your position in the market.

""[QUANTUM] is the dream solution for real-world data analytics and outcomes research. It is capable of providing the RWE-based answers to everything from clinical trial operations to Phase IV, and value through efficacy, and the ability to integrate across all of them."

Remarks by
RWE Group Manager
Large Pharma

About AcornAI

Acorn AI™ is a Medidata company that represents the next horizon of the industry leader's 20-year mission of powering smarter treatments and healthier people. Acorn AI is designed to make data liquid across the entire lifecycle and to answer the most important questions in R&D and commercialization for customers. Built upon the Mediata platform comprising more than **19,000 t**rials and 5 million patients, Acorn AI products feature one of the industry's largest structured, standardized clinical trial data repository connected with real world, translational and other datasets. For more information:
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Medidata Clinical Cloud®
Cloud-based clinical research solutions | Innovative technology | Data-driven analytics
Reduced costs | Improved time to market | Faster decisions | Minimized risk

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