

K KerusCloud®

Discover the power of next-generation cloud-based study simulation with KerusCloud, for fast, flexible, quantitative decision-making and a more data driven approach to study optimisation.



Ensure clinical studies always achieve meaningful outcomes, statistically and clinically. Build in success upfront with KerusCloud; the fast, flexible simulation platform that optimises all types of clinical study for success.

Secure, user-friendly and cloud-based, **KerusCloud** supports rapid *in silico* optimisation of study design and analysis approaches to drive development success in real-time, first time. Investing just a few hours to evaluate the best study approaches with **KerusCloud** during protocol development delivers uniquely informative data-based insights for incisive, quantitative decision-making, de-risking projects to ensure cost-effective and successful studies long-term.

Leveraging the scalable processing power of cloud computing, **KerusCloud** handles the diverse and complex data now routinely collected in clinical research with ease. It can collate a wide variety of data types to inform highly realistic simulated study scenarios so that the impact of multiple correlated study variables, designs and analysis strategies can be fully explored *in silico*, in minutes.

Much more than just a sample size calculator, **KerusCloud** allows you to assess key study characteristics, such as target population and study duration, streamlining the process of delivering precision medicines. Simulated study outcomes are quantified to support rapid data-driven decision-making. With **KerusCloud**, information can be easily shared across the platform and exported for further auditing and review for more collaborative decision-making.

The **KerusCloud** platform is available as Software as a Service (SaaS). Accessed via a web-browser, it can be

licenced for direct use by your statistics team or as part of an integrated services package. User access can be updated to suit your growing needs with our simple **KerusCredits** system.

On purchase of a KerusCloud licence you can:

- + **Build** Integrate existing and emerging knowledge and data sources, including publications, clinical trial data, real-world data and expert opinion to build realistic virtual patient populations.
- + **Simulate** Sample the virtual populations you build to generate realistic simulations in minutes for thousands of study scenarios.
- + **Optimise** Explore multiple study design, analysis and decision-making strategies by applying different statistical analyses and decision criteria.
- + **Analyse** Quantitatively assess the suitability of differing trial designs and data analysis methods, calculating the probability of success for each approach.
- + **Visualise** View simulated outcome results in minutes via an interactive heatmap to quickly identify the strategy most likely to be successful.

With KerusCloud's unique insights you will:

- ✓ **Improve success rates** with optimised study design for more efficient clinical development.
- ✓ **Identify the best endpoints and target populations** to de-risk projects, saving time and costs.
- ✓ **Develop more robust evidence packages** to support investment or regulatory engagement.



Building on KerusCloud's exceptional established capabilities, the Spring 2021 release offers further innovative features and benefits to uniquely support your clinical development projects including:

✔ NEW FEATURE

An expanded analysis library

offering a wider range of statistical tests including regression analysis, survival analysis and additional tests for proportions and derived variables.

Benefit Assess the performance of all the commonly applied analysis strategies to identify the optimal approach, control for sources of bias and evaluate alternative options, such as the application of historical controls.

✔ NEW DESIGN FEATURE

Enhanced simulated data

for even more realistic study simulations including time-to-event data with flexible censoring distributions.

Benefit Generate even more realistic virtual patient populations more closely representing data in real-world studies, facilitating the evaluation and implementation of novel designs including precision medicine studies.

✔ NEW DESIGN FEATURE

A metadata repository or bibliography

to keep track of your integrated data sources.

Benefit Ensure that assumptions are linked to the original data sources for greater transparency and ease of auditing and review.

✔ NEW DESIGN FEATURE

A new administration portal

for greater control over user access, now managed and secured via Amazon Cognito, and the allocation of KerusCredits.

Benefit Gain flexibility to adjust user access and monitor available KerusCredits to ensure you only pay for what you use.

✔ NEW DESIGN FEATURE

Robust collaboration and sharing tools

ideal for distributed teams providing everyone access to the same data assumptions and results.

Benefit Greater transparency and engagement across project teams.

✔ NEW DESIGN AND SECURITY FEATURE

Enhanced scalability, robustness and top-flight security protocols

delivering enterprise grade protection.

Benefit Rapid construction of complex study scenarios in real time whilst ensuring your data stays safe with best-in-class security features including multi-factor authentication, data encryption and disaster recovery to give you complete peace of mind.

So, book a free one-to-one software demonstration today to discover a more data-driven approach to clinical study optimisation. Discover KerusCloud.