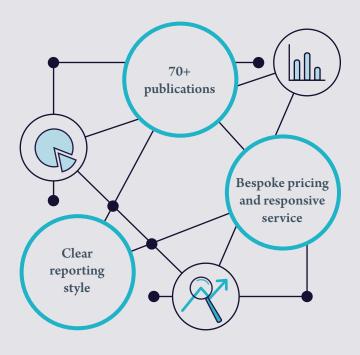


Statistics & Data Science

Delivering Empowering Insights for You

Data analysis, reporting and insight for quality medical research studies with special interests in cardiovascular diseases, cancer-associated thrombosis, and other thrombotic conditions



Expertise

- Randomised clinical trials
- Observational studies
- Survival analysis
- Causal inference
- Prediction modeling
- Clinical risk scores development
- Sample size calculations
- Modeling studies and simulations
- Machine learning
- Health economics









How we'll work for you

- Design: Advise on appropriate study design, optimal research methods and conduct sample size calculations for primary data collection
- Analysis Plan: Draft statistical analysis plan that link the research question to the most appropriate statistical tools
- Data Collection: Provide help with randomisation, questionnaire/CRF development, quality control checks.
- Data Management: Check, structure, combine, transform, clean datasets so to proceed to further analysis
- Analysis: Exploratory data analysis to understand relationships in the data, hypothesis testing, causal or predictive modeling
- Communication: Develop statistical report with emphasis on using visualisations and clear non-jargon language
- Training: Provide tailored training to the statistical methods required, as well as coding lessons in SAS and R

We successfully partner with biotech, pharma and clinical investigators in protocol and grant development, presentations for major meetings and publication in peer reviewed journals, e.g:



European Heart Journal



Case Study: GARFIELD-AF

GARFIELD-AF is the largest global registry of prospective AF patients. Using data from 57,000 patients, we produced published articles, international symposiums, and developed an innovative AF risk calculator.



CASE STUDY 1.1

Setting Standards for Data Quality

For a Nov 2016 article in the European Journal of Cardiology we designed, articulated and applied robust data quality standards for the GARFIELD-AF registry suitable to guide other registries when testing treatments used outside clinical trials.



CASE STUDY 1.2

The Detrimental Effects on Non-recommended NOAC Dosing

Use of a different dose of a direct oral anticoagulant (DOAC) than the one recommended on the package insert – usually a lower one – is common around the world and is associated with poorer outcomes, data from the GARFIELD-AF registry affirm.



CASE STUDY 1.3

Underscoring Innovation: Risk Calculator Development

A valuable resource for clinicians to assess patients' risk of stroke, major bleeding and mortality when placed on varying treatment paths, the GARFIELD-AF calculator is fully validated and outperforming current go-to models. Risk estimates are underpinned by data we organised from 52,000 patients. Visit af.garfieldregistry.org/garfield-af-risk-calculator to try it.





Researcher Insight

The care and clarity TRI Stats Team bring to their statistical work is laudable – a real boon to conveying the most important insights from our work, and on a personal level they are always friendly and responsive.

Professor John Camm

Talk to us... how can we help you?

To learn more about our methods, how we can help your research project, and get a bespoke estimate, email Saverio Virdone at svirdone@tri-london.ac.uk

