

Position Description – Statistician

Updated 07 September 2026

POSITION DETAILS

College/Portfolio	College of Health and Enablement
Organisational Unit	Registry of Senior Australians (ROSA)
Supervisor (Title)	Professor of Health Services and Epidemiology
Classification	Research (Academic) Level A
Employment Type	Fixed Term, Full-Time

POSITION SUMMARY

The Statistician will conduct and lead high-quality research with a focus on aged and health care services for older people that supports ROSA Research Centre's core goals. This position will use analytical/statistical methodologies to produce the evidence necessary for practice and policy recommendations to improve the consistency and quality of care provided to older Australians receiving aged care services.

This position will work to build evidence of care quality delivered to older people accessing home care and contribute to other ROSA projects. This position will also work closely with the ROSA research and analytical team in the development and conduct of analytical ROSA research projects and related research. The role will also interact with a range of external stakeholders including research partners and collaborators, lived experience contributors (consumers), ROSA's governance committees, ethics committees, and data owners/custodians.

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UNIVERSITY EXPECTATIONS AND VALUES

All staff at Flinders are responsible for understanding their obligations and responsibilities as set out in the University's code of conduct and are expected to:

- demonstrate commitment to the University's values of Integrity, Courage, Innovation and Excellence
- demonstrate consistent alignment with the University's strategic priorities through daily decisions, teamwork and behaviours that reinforce the strategic intent.
- contribute to the efficient and effective functioning of the team or work unit to meet the University's objectives. This includes demonstrating appropriate and professional workplace behaviours, providing assistance to team members, if required, and undertaking other key responsibilities or activities as directed by one's supervisor;
- promote and support an inclusive workplace culture which values diversity and embraces the principles of equal opportunity;
- perform their responsibilities in a manner which reflects and responds to continuous improvement; and
- familiarise themselves and comply with the University's *Work Health and Safety, Injury Management and Equal Opportunity* policies.

Flinders University is committed to providing a safe, respectful and inclusive environment, free from gender-based violence. Appointment to this role is conditional on the completion of required pre-employment checks and declarations, each of which must be satisfactory to the University. This includes a Gender-Based Violence declaration, in accordance with the National Higher Education Code to Prevent and Respond to Gender-Based Violence (2025), and a Nationally Coordinated Criminal History Check.

KEY POSITION RESPONSIBILITIES

The Statistician is accountable for:

- Contributing to the analyses of large datasets (>1 million individuals) contained within ROSA, including aged care data, Pharmaceutical Benefits Scheme data, Medicare Benefits Schedule data, hospitalisation records and Department of Social Services Data On Multiple Individual Occurrences (DOMINO) data.
- Co-ordinate input on projects from lived experience contributors (consumers) and stakeholders.
- Contribute and advise in study design. This includes development of study protocols, analytical plans, and sample size calculations.
- Assist in undertaking and coordinating statistical analyses, including complex multivariable modelling, and survival analysis.
- Undertake studies regarding quality and safety monitoring, variation in care quality, and value-based care.
- Assist in leading and coordinating research projects needs through their lifecycles. This may include advising and monitoring project timelines, milestones, and deliverables.
- Collaborating with the analytical team data management, linkage efforts, and quality control processes when necessary for ROSA's implementation, performance enhancement, and other areas as needed.
- Work collaboratively with ROSA team, research partners and stakeholders of the research projects.
- Maintain good understanding of new statistical developments and methodology that should be considered for ROSA's activities.

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- Working independently as well as collaboratively with ROSA team, research partners, consumer representatives, staff and stakeholders of the research projects.
- Prepare methods and analysis results for papers for to be published in peer-reviewed journals.
- Participate in the dissemination of research findings at appropriate conferences.
- Monitor and report on progress against key performance indicators.
- Contribute to the preparation of grants and applications for competitive funding in related areas.
- Any other responsibilities in line with the level of the position as assigned by the Supervisor and/or the University

KEY POSITION CAPABILITIES

- A minimum satisfactory completion of 4 years tertiary study or equivalent qualifications and experience in a relevant field and/or area of research.
- Excellent proficiency working with at least one software package (i.e., Stata, SAS or R).
- Demonstrated experience working with observational data, multivariable modelling, confounding/interaction issues, survival analysis, data visualisation.
- Demonstrated emerging research experience in terms of publications and presentations at a national and/or international level in a relevant field.
- Demonstrated experience in qualitative research methodology.
- Demonstrated ability to deliver project targets on time.
- Demonstrated well-developed interpersonal skills and the capacity to collaborate and engage with diverse stakeholders and industry partners.
- Demonstrated ability to critically review the literature in relevant fields.
- Demonstrated ability to undertake collaborative research and establish and maintain effective relationships with staff and industry and work effectively in a team.
- Demonstrated excellent oral and written communication skills in an academic environment.
- Demonstrated ability to work independently when required and seek support when necessary.
- Demonstrated excellent record keeping skills and meticulous attention to detail.
- Proficient in Microsoft Office Suite of products.
- Knowledge of the aged care and health care systems in Australia (desirable).
- Knowledge of sophisticated techniques to handle missing data, confounding adjustment, and other observational data features (Desirable).
- Significant progress and/or completion towards a Master's or PhD in Statistics, Biostatistics, Epidemiology, Biomedical Informatics, Bioinformatics, Health Services Research, Ageing, Geriatric/Gerontology, Public Health, Medicine or related field (Desirable).
- A minimum of three years' experience working with large datasets independently. Preferable experience working with aged care and/or health service data (Desirable).

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