Job Description

POSITION TITLE:	Statistician
LOCATION:	SAHMRI North Terrace
REPORTS TO:	Director, Registry of Senior Australians
DEPARTMENT:	Registry of Senior Australians

PURPOSE AND SCOPE OF THE POSITION

The Registry of Senior Australians (ROSA) monitors the health, service utilisation, medication use, mortality, and other health specific outcomes of people receiving aged care services. ROSA's efficient model leverages existing information, bringing together diverse datasets collected by different organisations throughout the country, to provide us with a whole picture of the ageing pathway. ROSA produces evidence to guide decision-making for quality, coordinated, efficient, innovative and age-friendly services and practices. For more information, please see: https://rosaresearch.org/.

ROSA is the product of the Healthy Ageing Research Consortium (HARC), which was funded to establish the ROSA to support healthy ageing in our state. ROSA is coordinated under the auspice of SA's prestigious, NHMRC-awarded, Health Translation SA.

This position's purpose it to conduct high quality research with a focus on aged and health care services for older people that supports ROSA's core goals. This role is funded by an MRFF Primary Care grant. This position will undertake the analysis of studies producing the evidence necessary for practice and policy recommendations related to access, variation, effectiveness, and costs associated with providing primary health care services that improve the health and wellbeing of aged care recipients, living in aged care facilities or the community.

This position will work independently and but also with the ROSA's analytical team and lead researchers. The role will also interact with a range of external key stakeholders such as external research partners and collaborators, and data owners/custodians, where necessary.

Reporting to the Director, this position will work closely with the ROSA analytical team and researchers involved in ROSAs current research activities and related research. The role will interact where required with a range of external key stakeholders including SAHMRI staff, research partners and collaborators, ROSA's governance committees, ethics committees, and data owners/custodians. There are no current direct reports for this role.

KEY PERFORMANCE INDICATORS

o   Leadership in the analysis of high-quality reports and manuscripts for publication and conference presentation.
o   Effective and efficient management of ROSA research projects' analyses.
o   Effective and efficient consultation and communication with all team members and ROSA/project specific stake holders.
o   Ability to complete all required tasks in a timely manner.

KEY RESPONSIBILITIES

The specific duties include:

o Conducting high quality research with a focus on health and health services for older people accessing aged care, including planning, execution, statistical analyses and publication.

o Conduct complex analyses of large datasets (>1 million individuals) contained within ROSA, including aged care data, Pharmaceutical Benefits Scheme data, Medicare Benefits Schedule data, and hospitalisation records.

o Manage and coordinate research projects statistical needs through their lifecycles. Advise/monitor project timelines, milestones, and deliverables.

o Contribute/advise in study design. This includes sample size calculations, and choice and development of appropriate study protocols and analytical plans. Experience with complex multivariable modelling, survival analysis, and missing data is necessary.

o Prepare methods and analysis results for papers for publication in peer-reviewed journals.

o Assist/support with preparation of analysis plans and other required input for grants and applications for competitive funding.

o Collaborate with analytical team data management, linkage efforts, and quality control processes when necessary for ROSA's implementation, performance enhancement, and other areas as needed.

o Working collaboratively with ROSA team, research partners and stakeholders of the research projects.

o Maintain good understanding of new statistical developments and methodology that should be considered for ROSA's activities.

o Monitor and report on progress against key performance indicators.

o Any other responsibilities in line with the level of the position as assigned by the Supervisor and/or SAHMRI.

o Participate in special projects to continuously improve processes, tools, systems and organisation.

o Take reasonable care to protect own health, safety and welfare at work and avoid affecting the health and safety of any other person at work.

o Participate in the implementation of the Institute's Work, Health and Safety Management System and related laws, regulations and guidelines.

o Ensure that duties are performed in keeping with the principles outlined in SAHMRI's Vision, Mission and Values and the **Code of Conduct Policy.**

SPECIAL REQUIREMENTS

o Some out of hours' work may be required.
o Compliance with SAHMRI Immunisation Policy and COVID-19 Vaccination Plan.

Person Specification

QUALIFICATIONS

o   Degree qualification in a relevant field with extensive relevant experience.

o   Masters or PhD in Statistics, Biostatistics, Epidemiology, Health Services Research, Ageing, Geriatrics/Gerontology, Public Health, Medicine or related field is highly desirable

EXPERIENCE, KNOWLEDGE AND SKILLS

o   Excellent proficiency working with SAS, R, or Stata (with at least high proficiency in one statistical software package)

o   Three years' experience working with large datasets independently. Preferable experience working with health service data.

o   Experience working with observational data, multivariable modelling, missing data, confounding/interaction issues, and survival analysis.

o   Experience conducting research for/with people living with dementia or cognitive impairment (desirable)

o   Knowledge of the aged care system in Australia (desirable)

o   Meticulous attention to detail; methodical with excellent record keeping skills.

o   Demonstrated experience in providing high level support to research projects.

o   Highly motivated and can prioritise workload and to meet deadlines.

o   Ability to work independently, seeking support when necessary to complete the task.

o   Ability to work in a team, intelligently manage relationships and establish rapport effectively.

o   Advanced proficiency in the use of Microsoft Office Suite of products.

o   Excellent written and verbal communication skills.

o   Sound time management skills.

o   Support SAHMRI's commitment to reconciliation and acknowledge the importance of working in partnership with Aboriginal and Torres Strait Islander People

o   Able to demonstrate the following SAHMRI Values and Culture:

   ➢   **Excellence** – Bold, Driven, Dynamic

   ➢   **Innovation** – Persistent and Focused

   ➢   **Courage** – Collaborative and Enabling

   ➢   **Integrity** – Embrace Diversity, Demand Equity

   ➢   **Teamwork** – Friendly, Fast, Flexible, Fun