Safe Surgery SA

Research Support Service Offering

March 2019

Background

Safe Surgery SA (SSSA) is a clinician-driven independent organisation aiming to collect, aggregate, analyse and interpret data on the practice of anaesthesia and perioperative care in South Africa. An objective of SSSA is to facilitate and support research in perioperative care. SSSA is supported by the SA Society of Anaesthesiologists (SASA) and the Federation of SA Surgeons (FoSAS). *www.safesurgery.co.za*

The South African Perioperative Research Group (**SAPORG**) membership registration is encouraged for all researchers taking up this research support service offering. SAPORG is a national platform where researchers can engage with each other and contribute to perioperative research throughout Southern Africa. The group includes researchers from all aspects of Perioperative Medicine including anaesthesia, surgery and allied disciplines. SAPORG aims to meet the need for well-conducted, high quality research in developing countries. The South African Perioperative Research Group is committed to promoting, supporting and coordinating research in perioperative medicine in South Africa. SAPORG believes that collaborative research is needed to address the clinical challenges encountered in perioperative medicine. SAPORG is administered by SSSA. Membership is free. *www.saporg.co.za*

Research Electronic Data Capture (**REDCap**) is a secure web application for building and managing online surveys and databases. REDCap was created at the Vanderbilt University by Paul Harris in 2004,[1] with the aim of giving clinical researchers a platform that is compliant with the Health Information Privacy and Security Act (HIPSA). REDCap has since grown to become one of the most widely adopted platforms for research around the world, currently used by 2221 institutions in 108 countries around the world. *www.project-redcap.org*

The Perioperative Shared Health Record (**PSHR**) is an electronic platform that enables the capturing of patient-reported measures (preoperatively and postoperatively), the capturing of clinical and administrative data by providers (surgeons and anaesthetists), and the secure receiving of patient data from hospitals (e.g. outcomes data) or medical funders (e.g. administrative data: patient demographic data, procedural data). Its interoperability mediator enables integration of data from sources such as practice management systems. The preoperative patient-reported data allows for preoperative screening. It can also incorporate algorithms to allow for preoperative risk stratification.

SSSA offers the following research service:

Research Electronic Data Capture (REDCap) web application:

- Access to the SASA membership database for research surveys.
- Development of data collection tools in REDCap. For a survey tool example, click here
- Investigator- and user support on the REDCap system.
- Secure data management and hosting of data on secure ANSA REDCap server.
- Exporting of de-identified research data to Excel, SPSS, SAS, R, Stata, and CDISC ODM formats subject to ethics- and regulatory approval.
- Administration of the research project, e.g. investigator communication, web-site development and maintenance.

Perioperative Shared Health Record (PSHR) web-based platform:

- Customizing of the patient-centric PSHR dataset to allow data collection for specific research objectives
- Investigator- and user support when using the PSHR as data collection tool
- Secure data management and data hosting
- Exporting of de-identified data in Excel format subject to ethics- and regulatory approval.

- Administration of the research project, e.g. investigator communication, web-site development and maintenance.

Fee Structure (March 2019)

Type of Research	Price (excluding VAT)
Research for MMED purposes	R1500
Research for Doctoral study purposes	R4000 (when using REDCap); quoted per project when using PSHR
Research for non-degree purposes	Fee to be negotiated and quoted per project
Multi-center research (to be vetted by SAPORG liaison committee)	Fee to be quoted depending on the requirements of the project

For further information contact admin@ansa.org.za

1. Harris PA, Taylor R, Thielke R, Payne J, Gonzalez N, Conde JG. Research electronic data capture (REDCap)— A metadata-driven methodology and workflow process for providing translational research informatics support. *J Biomed Inform*. 2009;42(2):377-381. doi:10.1016/j.jbi.2008.08.010