

## Project Brief: South African Population Research Infrastructure Network (SAPRIN): A National Research Infrastructure of Health and Demographic Surveillance System (HDSS) Nodes

<b>Full Title of Study/Programme</b>	<b>South African Population Research Infrastructure Network A National Research Infrastructure of Health and Demographic Surveillance System (HDSS) Nodes</b>  <b>Short Title:</b> SAPRIN
<b>Technical Focus Area/Key Words</b>	Research to support health, Social and economic development
<b>Rationale</b>	<p>Research in the human and social sciences is essential for social, economic and cultural development and transformation in South Africa. The overall aim is to reduce costs for government while making poorer South Africans healthier, and socially and economically better-off. The South African Research Infrastructure Roadmap (SARIR) has been developed to facilitate a research infrastructure investment programme. SARIR is intended to provide a strategic, rational, medium- to long-term framework for planning, implementing, monitoring and evaluating the provision of research infrastructures (RIs) necessary for a competitive and sustainable national system of innovation. The need for an elevated role of the human and social sciences in the country's development has also been recognised. Research in the human and social sciences is essential for social, economic and cultural development and transformation in South Africa. SAPRIN will generate knowledge about how South Africans can achieve greater wellbeing, improve skills development and enhance their socio-economic status, particularly among the poorer, often neglected communities. This will benefit the economy by enabling poorer people to participate more effectively and drive the economy through their work. Furthermore, SAPRIN will enable highly effective evaluation of the impact of public policy across a range of sectors</p>
<b>Primary Objectives</b>	<ol style="list-style-type: none"> <li>1. In population health - to obtain accurate data on population dynamics (births and deaths by cause), obtain accurate measures of disease burden, obtain accurate measures of individual and population-level access to health services, monitor vaccine coverage rates in children aged 6 years and younger, monitor food security.</li> <li>2. In social wellbeing - monitoring of births, deaths, residence status, and in- and out-migrations, track of all individuals' residence status and migration events, monitor education status and education outcomes at the level of individuals, schools, and the links between them.</li> </ol>

<b>Secondary Objectives</b>	Not applicable
<b>Tertiary Objectives</b>	Not applicable
<b>Primary Endpoints/Outcomes</b>	To reduce costs for government while making poorer South Africans healthier, and socially and economically better-off
<b>Secondary Endpoints/Outcomes</b>	Not applicable
<b>Tertiary Endpoints/Outcomes</b>	Not applicable
<b>Study Design</b>	Routine, ongoing, longitudinal data-collection will occur in key domains of health, population, social and economic well-being in South Africa's vulnerable populations.
<b>Study arms</b>	Not applicable
<b>Study population</b>	Households residents in dwellings within the study area
<b>Study sample size</b>	50 000 people surveyed
<b>Follow up/duration</b>	Once implemented, it will be ongoing until further notice
<b>Study/Programme sites</b>	Hillbrow, Johannesburg Atteridgeville, Pretoria Melusi, Pretoria
<b>Study/Programme duration</b>	Ongoing
<b>Intervention</b>	Not applicable
<b>Operations</b>	The study team, in coordination with the funders will define key metrics
<b>Investigators</b>	<p><b>Wits RHI</b> Dr. Thesla Palanee-Phillips, Principal Investigator Ms. Krishnaveni Reddy, Sub-Investigator</p> <p><b>SAPRIN</b> Dr Abraham Jacobus Herbst, Co-Principal Investigator Associate Professor Mark Collinson, Co-Principal Investigator Mr Tinofa Mutevedzi, Co Investigator</p> <p><b>University of Johannesburg</b> Tobias G Barnard, Sub-investigator Annie Temane, Sub-investigator</p> <p><b>University of Pretoria</b> Jannie Hugo, Sub-Investigator Edith Madela-Mtla, Sub-Investigator Community engagement Rhena Delpont, Sub-Investigator Project manager</p>
<b>Other Partners &amp; Collaborators</b>	The Gauteng Research Triangle University of Johannesburg University of Pretoria HDSS Nodes
<b>Sponsors/Donors</b>	Department of Science and Innovation South African Medical Research Council
<b>Linked Sub Studies and post grad projects</b>	COVID-19 survey

<b>Publications/key presentations to date</b>	Not applicable
<b>Progress Update as at 21 Oct 20</b>	Research protocol, informed consent and assent forms, information sheets, surveys developed and submitted to Wits RHI Research Review Committee (RRC). Ethics submission to Wits HREC and pending approval
<b>Frequency of donor narrative report</b>	Every 3-6 months (To be decided)
<b>Overall Study/Project Contact</b>	Dr. Thesla Palanee-Phillips ( <a href="mailto:tpalanee@wrhi.ac.za">tpalanee@wrhi.ac.za</a> )
<b>Briefing owner and date</b>	Sibusisiwe Gumede, 23 October 2020