

## **Mapping location of screened HIV-infected vaccine trial participants and behavioural determinants of HIV risk in two geographical research settings in South Africa: the HVTN 702 and 705 experience**

*In the retrospective proposed research in collaboration with SRC and HPRU, researchers aim to understand the community context (health and social services, and social behaviour) of the participants recruited from HIV at-risk spots within the catchment/recruitment areas where HIV vaccine trials have been conducted. The findings from this mapping study may expand our understanding of the prevalence and distribution of HIV and pregnancy among the trial population at the community level.*

*In this retrospective descriptive study, we will analyse existing cross-sectional data from two HIV vaccine trials, the HVTN 702 and 705. This data will be from participants screened for the HVTN 702 and HVTN 705 trials conducted at the SRC and SAMRC and includes: a) Demographics and Behavioural data from CRFs, b) HIV and pregnancy results at screening and c) contraception use at and post enrolment. The estimate sample size is 3860 of men and women screened for the two trials.*

*The data may also improve researchers understanding of the structural factors in the recruitment areas such as access to health and social services that may contribute to the high HIV and pregnancy rates. It is possible that lack of access and availability of sexual and reproductive health services may impact on members of the communities.*