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Record linkage of anti-HIV activity and cancer activity match isatin scaffolds attending research and development from medicinal chemistry laboratory

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It has well recorded that studies which minimise selection, response and referral biases would be able to provide better estimates of cancer risk for different anatomical sites among HIV infected persons in a region. Systematic monitoring of cancer burden has therefore important both from a public health and from a clinical management perspective to maximize the benefits of a resource intensive intervention. Record linkage has a well-recognized tool to study the morbidity and mortality patterns in a population in general or in a particular area. Matching of HIV and Cancer registry's has been found to be a useful tool for understanding HIV and Cancer epidemiology in many developed countries of the world (USA, UK, Australia, Italy) and also in Uganda. It has felt however that this kind of a linkage study would not be possible in India due to lack of unique identification number for matching and databases as well as no combine research laboratory for research

HIV/Cancer. However the infrastructure and robust data that has usually required for HIV cancer record studies have becoming available in India due to ICMR's National Cancer Registry Program as well as HIV databases set up by various institutions in different parts of India and VCT and ART centres of NACO. Therefore a 'Feasibility Study for HIV Database and Cancer Registry Match' has underway discovery part. This study showed that record linkage was feasible and many interesting leads have also obtained. The study revealed significantly elevated risks for various AIDS define cancers and also identified elevated risks for many Non-AIDS defining cancers which also differed from findings from other countries in the world. To take this study further, a laboratory work focused on interesting finding novel lead molecule of 2- Indolinones showed such record-linkage studies in multiple cancerous cells and HIV- 1.

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