

Stage en informatique de la santé – Health Informatics – Secondary data modeling to support new genomic discoveries

Dr Andrew Grant MD PhD Médecin Biochimiste – Medical Biochemist

The electronic health record (EHR) is more and more incorporated into patient care. This data as well as for direct care might be used to evaluate the efficacy of care and the impact of new tests and treatments. This is called secondary use of data and is undertaken under the supervision of the Director of Professional Services to ensure proper respect of patient privacy. One strong example of secondary data use is to model the differences of severity disease and how response to treatment might vary between patients and hence whether different sub-populations might exist which require variation in therapy approach. Recently we have shown that modeling of patient data can enable better interpretation of genomic tests in ovarian cancer.

The stage will introduce concepts of modeling patient data to support genomic testing as well as use of informatics tools to assist this process.

For more information, please contact: Andrew.Grant@USherbrooke.ca