

Clinical Repository for Ethical E-infrastructure and Data sharing (CREED)

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For clinical researchers, it is of primary importance to be able to verify the research hypothesis by confronting clinical data before clinical trial stage; however, they often pay much effort, time and expenses on data collection, integration and analysis. Furthermore, it is difficult for single researcher to collect clinical data with high quality and enough mounts for useful analysis which has showed that distributed efforts enhance the quality and efficiency of studies in the analysis of clinical data. The bottlenecks above always influence the progress of clinical research and advancement of medical knowledge. In order to collect valuable and useful clinical data, the consortium has built up a strong and already experimented repository which integrates the clinical data imported from databases of electronic healthcare record (EHR) with international hospital consortium data center. The CREED project, comprised of scientific and medical organizations in France and in Taiwan (5 hospitals in Taiwan and 3 hospitals in France) is developing a repository for clinical and epidemiological data to be integrated, compared, analyzed and used for advances onto clinical trials and better handling of public health data, offering a strong tool for the scientific and medical community to engage on the challenges of e-health and patients data management in an anonymized and useful manner.