The Development of EHR and Big Data Applications in Taiwan

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Electronic Health/Medical Record has been promoted in Taiwan before 2000. Starting from the government-oriented project HIN(Health Information Network) 2.0 launched in early 2000, We have constructed a CDA R2 conformed EHR standard, the Taiwan Electronic Medical Record Template(TMT), and created a prototype of Medical Information Exchange Center (MIEC). Today the nationwide Electronic Medical Record Exchange Center (EEC) is used for EMR exchange between hospitals in Taiwan. Until now more than 350 hospitals in Taiwan have been certified and are using EEC for EMR exchange. In recent years, big health/medical data has become a distinguish topic especially for monitoring and analyzing complicate data to build the knowledge base for the purpose of current trends of personal medicine and precision medicine.