JBSA Ft. Sam Houston Mission Training Complex

Military Healthcare Systems

Medical Communications for Combat Casualty Care (MC4) is a complex system that has joined military leaders, health care and technology experts as the single medical information system supporting deployed forces. MC4 offers deployable medical units a wide range of integrated systems (software and hardware) that bridge the tactical and sustaining base Information Management and Information Technology health care systems. By utilizing this system, relevant medical data flows vertically throughout levels of health care and to joint medical databases. This enables tactical medical forces the ability to electronically record health services rendered and facilitates theater-wide medical surveillance and trend analysis. The system also provides pertinent medical information horizontally into the Army Battle Command, Combat Service Support and Communications architecture. As a result, MC4 enables enhanced medical situational awareness for combatant commanders.

Joint Medical Workstation II - JMeWS II

JMeWS II provides a Theater medical surveillance and reporting capability. It can take encounter information from TMIP applications, as well as, the Service components and display summary information for the Combatant Commander's (COCOM) staff. JMeWS is fed information from across the theater. This information includes patient visibility (where a patient is and their condition at that point in time), bed status, trending information concerning symptoms, International Classification of Diseases (ICD) codes, Current Procedural Terminology (CPT) codes, and Disease/Non-Battle Injury (DNBI) information. When this information is analyzed, the COCOM Surgeon will be able to take preventative actions to further protect individual soldiers.

Armed Forces Health Longitudinal Technology Application - AHLTA

AHLTA, the military's electronic health record, is a clinical information system that generates, maintains, stores and provides secure electronic access to comprehensive patient records. It is the first system to allow for the central storage of standardized EHR data that is available for worldwide sharing of patient information.