

Abstract

Center for Disease Control (CDC) controls and monitors the communicable disease. When the communicable disease or suspected case occurs, the hospitals and local health centers report the information to CDC immediately. The report data are diverse in different diseases. Although CDC has developed a diseases reporting system, only limited data are stored to database and are communicated within the public health centers. The system can't exchange information with domestic hospitals and international CDC. The standard of health data interchange, which is the health level seven (HL7), is developed for several years. Many hospitals are going to exchange medical data by following the HL7 standard. The project will study the feasibility of reporting the communicable disease in the HL7 format and design the transfer interface by using the original reporting system to promote its quality and efficiency.

Key Word : HL7 、 Communicable Disease Reporting System 、 Electronic Data Interchange