ABSTRACT
Since 1997, Taiwan Government has already fulfilled the e-Government. The Bureau of National Health Insurance (BNHI) has developed IC-Card-based electronic patient records service such that it can save a lot of cost and reduce data exchange issues. However, the electronic patient records contain patients' privacy, and therefore our government must enhance the protection of patients' privacy data seriously. Therefore, the thesis is based on the relationship between the ISO27001 and COBIT to achieve information security governance for the BNHI. First, we give an overview of information security about the BNHI. Next, by combining the ISO27001 and COBIT, we interview the BNHI managers to derive a variety of propositions according to strategies, technologies, organizations, human resources, and environments. The derived results can provide several suggestions of information security governance strategies for the BNHI.

Keywords: information security management; COBIT; ISO 27001; information technology governance; information security governance