Abstract
Purpose: The paper explores the problems of health care supply chain in Thailand. A national drug information database is designed and presented to facilitate drug information sharing. Methods: Literatures are analysed in order to develop the information needed by stakeholders in health care supply chain. Expert interviews are conducted to verify the necessity of all of the attributes. A conceptual network of web-based services is designed. Results: The study purposes the use of a national drug information database containing drug information needed by all players and enabling nationwide information exchanges in a standard electronic format. Conclusions: Due to fragmented data and information and lack of data standard problems, the study purposes the information sharing system by constructing a national drug information database. The database contains information needed by all players in health care supply chain. A conceptual network of web-based services is presented to facilitate drug information sharing among health care supply chain members as well nationwide implementation.

Keywords Drug database, Drug information exchange, Healthcare supply chain

*Acceptedon 9Dec2014 and in progress to publishin Therapeutic Innovation & Regulatory Science