Abstract

In this paper, we present a collaborative approach for the health care systems. The expert knowledge is embedded within DSS to provide intelligent decision support. The problem space contains multiple Hub and Spoke networks. Information about these networks is dynamically captured and represented in a Meta-data table. This master table enables collaboration between any two networks in the problem space, thus, enables load sharing among them. In order to show the collaboration between health care systems; number of doctors in the dispensary, present load/day and capacity are the key data to be collected for west, south, south west and south districts of Delhi before we apply this approach. The implementation is done at primary care level. The input to the model is health care data and output is a decision based on the collaborative approach model. Primary health care centers in a geographical area are transformed into Hub & Spoke type networks. Collaboration between such networks means transfer of patient load from one network to another at primary care level depending upon free capacity available in the given network which can be determined from Meta-data table.

References

- The information centre for health and social care (n. d.) http://www.ic.nhs.uk/casemix

**Index Terms**

Computer Science  
Information Science

**Keywords**

Decision Support Systems  
Collaborative DSS  
HUB and SPOKE Model  
Meta Data  
Primary health care data.