

## **Abstract**

### **Introduction**

Multisector action plan for nutrition is a programme established to identify households with nutritionally affected individuals and implement interventions for the identified risk factors in those households. Multisector action plan includes both health and non-health related interventions and there was a requirement to track those interventions and monitor their effectiveness. The National Nutrition Information System is the web-based system that collects and manage data for this programme. Data on nutrition problems and risk factors were collected by this system but it lacked a component to track and assess effectiveness of interventions.

### **Methodology**

This study was conducted using action research method. A software module was designed according to the requirements of the stakeholders. National Nutrition Information System which was developed on District Health Information Software version2 (DHIS2) was customized to develop the Intervention Tracking module. This module was piloted using test data and feedback was taken from different end users regarding the usability of the module.

### **Results**

A functional Intervention Tracking module was developed which is able to collect, analyse and aggregate data regarding interventions. The system is able to monitor whether interventions are done and assess their effectiveness based on the improvement in nutrition status of the affected individual. Most users found this module is easy to learn and use because the format of the interface is similar to that of Nutrition Risk Identification module. Minor modifications were done to the software module based on the feedback.

### **Conclusion**

The Intervention Tracking module is useful to track and assess effectiveness of interventions, which is an essential component of the multisector action plan, for the programme to be successful. District Health Information Software has been able to meet most of the user requirements and it has capacity to do further improvements to this module.