

## **EXECUTIVE SUMMARY**

Nursing is a dynamic profession that is subject to rapid changes in health care provision, hence the need for in-service training programs for nurses. Newly employed registered nurses require in-service training in order to update them regarding the latest developments in nursing practice. The aim is “to assess the effect of in-service education on Infection Control Practices in the hospital among nursing staffs of Neotia Getwel Healthcare Centre, Siliguri.”

**Methods:** A descriptive survey and analytical research design with non-experimental approach was done among 60 nursing staffs of NGHC, Siliguri. Simple non-probability random sampling was used for sampling technique. A structured questionnaire was used for the research survey.

**Hypothesis:** H0: There is no significant effect of In-service education on Infection Control Practices among nurses of NGHC at 0.05 significance level.

H1: There is a positive effect of In-service education on Infection Control Practices among nurses of NGHC at 0.05 significance level.

**Results:** To evaluate the knowledge level of nurses, pre-test and post-test was conducted and test analysis was done by calculating the mean, median and SD. It disclosed that the knowledge level of the nurses increased after providing In-service Education. To assess the effectiveness of in-service education among nurses, Z-test was used to analyse and it showed a significant difference between the scores of pre-tests and post-test of the nursing staffs.

**Conclusion:** In-service training of nurses plays an indispensable role in improving the quality of inpatient care. Need to enhance the effectiveness of in-service training of nurses is an inevitable requirement. It increases the empowerment of nurses and promotion of the quality health services. IPC occupies a unique position in the field of safety of healthcare workers and patients, and quality universal health coverage since it is relevant to health workers and patients at all single health-care encounter. Thus, it is very important to educate nurses about Infection Control and Prevention and keep them updated regarding the same.