

00581 Nurse-led Patient Education on Vaccination Recommendation Improve Take-up Rate in IBD Patients

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Aims: To develop a Nurse – led patient vaccination education to improve the proportion of immunosuppressed IBD patients receiving recommended vaccinations.

Currently only about 1.8 % of IBD patients received annual influenza vaccinations and pneumococcal vaccine, although both vaccines are recommended.

Methodology: Using a Plan-Do-Study-Act quality improvement model, a process was developed to improve the proportion of patients with immunosuppressed IBD receiving recommended vaccinations. There were 1) one-to-one patient education using the vaccination flip chart at the Triage station while waiting for the blood pressure measurement; 2) one-to-one teaching using the flip chart at the doctors consultation waiting area for patients who did self-registration without Triage service; 3) reinforcement of vaccination education by the doctors during consultation time inside the room and implementation of a stamp chop on the patients' registration slip to indicate patients' record of vaccination taken prior to payment at the counter upon completion of the consultation period.

Result: Over a 6-month period, 912 patients were included in the intervention. There are 402 (44%) of patients receiving immunosuppressant medications. Of these 912 patients, only 182 (1.8 %) had received an influenza and pneumococcal vaccination in the previous years. After the quality improvement intervention, the rate has increased. An analysis of means confirms a significant change from the overall mean before and after the intervention.

Conclusion: The vaccination rate for a high-risk IBD population was significantly improved using a Nurse-led vaccination patient education improve intervention. A similar or better approach in conducting group education provided by nurses can be taken for other processes associated with improved quality of care.