

Nicotine Replacement Therapy

Nicotine replacement therapy in aneurysmal subarachnoid hemorrhage.

A study team developed a nicotine replacement therapy (NRT) and counseling protocol for neurosurgery inpatients who indicated current tobacco use and used Lean tools to increase protocol adherence. Rates of NRT prescription, referrals to counseling, and follow-up phone calls were compared pre- and postintervention. Secondary measures included patient satisfaction with intervention, quit rates, and reduction rates at 4 weeks postdischarge.

Results: Referrals to counseling doubled from 31.7% at baseline to 62.0% after implementation of the intervention, and rates of nicotine replacement therapy (NRT) prescriptions during hospitalization and at discharge increased from 15.3% to 28.5% and 9.0% to 19.3%, respectively. Follow-up phone call rates also dramatically increased. The majority of satisfaction survey respondents indicated that counseling had a positive or neutral impact on stress level and overall satisfaction.

Conclusion: Lean tools can dramatically increase use of evidence-based TUT in hospitalized patients. This project is easily replicable by professionals seeking to improve delivery of tobacco treatment. These findings may be particularly helpful to inpatient surgical departments that have traditionally been reticent to prescribe NRT ¹⁾.

¹⁾

Sisler L, Omofoye O, Paci K, Hadar E, Goldstein AO, Ripley-Moffitt C. Using Lean Quality Improvement Tools to Increase Delivery of Evidence-Based Tobacco Use Treatment in Hospitalized Neurosurgical Patients. Jt Comm J Qual Patient Saf. 2017 Dec;43(12):633-641. doi: 10.1016/j.jcjq.2017.06.012. PMID: 29173283.

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