



Summer Institute in Nursing Informatics 2019  
Student Poster Presentation

**Effect of Text Messaging Interventions on Medication adherence in Patients with Asthma**

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Medication adherence in patients with asthma reflects the patient's contribution to his/her treatment. Poor medication adherence can lead to re-hospitalization and increased healthcare cost, medical interventions, and morbidity and mortality. There have been several interventions to increase medication adherence in long-term care, but they have not demonstrated effectiveness and can be costly. With the advancement in technology, electronic reminders such as text messaging and mobile applications have proven to increase medication adherence in patients with long-term problems such as asthma. Five primary research articles were analyzed that suggest that text messaging reminders can increase medication adherence. This information plays an important role in the nursing profession since nurses can use this evidence-based practice to improve patient outcome by remote patient monitoring. The purpose of this project was to systematically analyze existing literature on the use and effectiveness of text messaging interventions on medication adherence among patients with asthma.