

# Pharmacy-Based Immunization and Perceived Service Quality in Rural Community Pharmacies

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## DESCRIPTION

Community pharmacies are increasingly being recognized as key providers of healthcare services, especially in the management of minor health disorders. However, the ability of community pharmacists to triage and manage minor health disorders is often limited by their workload and time constraints. Decision tree-based triage systems have been developed to assist community pharmacists in assessing and managing minor health disorders. A decision tree-based triage system is a tool that assists healthcare providers in making decisions based on a set of predetermined rules. The system consists of a series of yes/no questions that guide the provider through a process of elimination to arrive at a diagnosis or management plan. Decision tree-based triage systems have been used in a variety of settings, including emergency departments, primary care clinics, and community pharmacies.

### Assessment of minor health disorders in community pharmacies

Community pharmacies are often the first point of contact for patients with minor health disorders such as coughs, colds, and sore throats. However, community pharmacists may not have the necessary skills or time to assess these disorders accurately. Decision tree-based triage systems have been developed to assist community pharmacists in assessing minor health disorders. The use of decision tree-based triage systems in community pharmacies has several benefits. Firstly, it enables pharmacists to assess minor health disorders more efficiently and accurately, freeing up their time to provide other healthcare services. Secondly, it ensures that patients receive appropriate advice and treatment, which can lead to improved health outcomes.

### Implementation of decision tree-based triage systems in community pharmacies

The implementation of decision tree-based triage systems in community pharmacies requires a systematic approach. The following steps can be taken to implement a decision tree-based triage system:

**Select the appropriate decision tree-based triage system:** There are several decision tree-based triage systems available, and it is

essential to select a system that is appropriate for the community pharmacy setting.

**Train pharmacy staff:** Pharmacy staff should receive appropriate training on the use of the decision tree-based triage system to ensure accurate and consistent assessments.

**Integrate the triage system into pharmacy practice:** The triage system should be integrated into pharmacy practice to ensure that it is used consistently and effectively.

**Evaluate the triage system:** The triage system should be evaluated regularly to identify any areas for improvement.

### Challenges of decision tree-based triage systems in community pharmacies

**Limited pharmacist time:** Community pharmacists have limited time to spend on patient assessments, and the use of decision tree-based triage systems may add to their workload.

**Patient compliance:** Patients may not comply with the advice and treatment provided by the pharmacist, leading to poor health outcomes.

**Limited patient privacy:** The use of decision tree-based triage systems in community pharmacies may compromise patient privacy, as the consultation may be conducted in a public area.

**Limited system accuracy:** Decision tree-based triage systems may not be accurate in all cases, leading to misdiagnosis and inappropriate treatment.

The use of decision tree-based triage systems in community pharmacies can assist pharmacists in assessing and managing minor health disorders.

However, the implementation of these systems requires careful planning and training to ensure accuracy and consistency in assessments. While decision tree-based triage systems have several benefits, there are also challenges associated with their use, including limited pharmacist time, patient compliance, limited patient privacy, and limited system accuracy. Despite these challenges, decision tree-based triage systems have the potential to improve the quality of care provided in community pharmacies and enhance patient outcomes.

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