

Risk Management in Community Pharmacy Practice

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Background

As pharmacists take on greater responsibilities with expanding scope of practice, it is imperative that pharmacies employ a system to assess and manage risks on a regular basis. Risk management strategies should be in place in order to help reduce the risk of errors in the medication distribution system. This project aims to identify resources for risk management in community pharmacy practice.

Literature related to risk management in community pharmacy practice covers topics ranging from development of a culture of safety to actual measures that improve safety such as bar-coding and clinical support tool. Most of these topics have been incorporated into continuous quality improvement (CQI) tools.

Methods

The Institute for Safe Medication Practices Canada (ISMP Canada) performed an environmental scan in 2012 to identify selected CQI tools (Table 1 and Table 2) that are readily accessible to community pharmacy practitioners for the purpose of risk management.

Results

Establish a Culture of Safety

In order to implement changes in a pharmacy, a culture of safety must first be in place that encourages blame-free reporting and shared learning. The CQI tools *Manchester Patient Safety Assessment Framework (MaPSAF)* [1] and *Pharmacy Safety Climate Questionnaire (PSCQ)* [2] are a good starting point to evaluate the culture of safety in your pharmacy.

Facilitate the Culture – From Management to Frontline

Once a patient safety culture is established, the *Pathways for medication safety®: Looking collectively at risk* [3] document can facilitate a top-down approach (from management to frontline staff) to enhance the culture of safety and assist the investigation of a near-miss or a medication incident.

Encourage Shared Learning

Tools such as ISMP (US) Improving medication safety in community pharmacy: Assessing risk and opportunities for change (AROC) [4], and the ISMP Canada Medication Safety Self-Assessment® for Community/Ambulatory Pharmacy ™ (MSSA-CAP) [5] can be used to improve existing medication distribution systems and encourage shared learning from peers.

Table 1. Summary of Continuous Quality Improvement (CQI) Tools [1-5] **FOCUS OF CQI TOOL RECOMMENDED USE OF CQI TOOL PURPOSE OF CQI TOOL AUTHORS / ORGANIZATION UK: Manchester Patient Safety Assessment Framework (MaPSAF) [1]** • To stimulate discussion about strengths and weaknesses management culture. This exercise will take approximately 1 hour To reveal any differences in perception on patient safety Incident reporting pharmacy team. Identify areas for improvement; discuss • To identify areas for improvement. Learning from incidents To evaluate safety interventions and monitor progre . Staff management 7. Staff education and risk management training http://www.pharmacy.manchester.ac.uk/cip/resources/MaPSAF To develop a mature safety culture. **UK: Pharmacy Safety Climate Questionnaire (PSCQ) [2]** he/she works. This exercise will take approximately 10 to 15 See Table 2 for relationship between MaPSAF and PSCQ. US: Pathways for medication safety: Looking collectively at risk [3] a culture of safety in the practice setting. Section 2.1 — Building Blocks for Assessing Risk and Section 2.2 - Failure Mode and Offer assessment tools to evaluate and monitor progress of r http://www.medpathways.info/medpathways/tools/tools.html US: Improving medication safety in community pharmacy: Assessing risk and opportunities for change (AROC) [4] ecommend strategies that can reduce errors from occurring in 10 Pharmacy staff members can consult this document and reflect Patient information http://www.ismp.org/communityRx/aroc/ Communication of drug orders and other drug information 10. Quality processes and risk management AROC also includes useful information in appendices such as dangerous abbreviations and look-alike drug names with recommended tall man lettering. Canada: Medication Safety Self-Assessment® for Community/Ambulatory Pharmacy ™ (MSSA-CAP) [5] Identify and assess safe medication practices in Categorize known medication safety strategies into 10 Key Elements Pharmacy members can complete the MSSA-CAP items as a team (see below) and 20 Core Distinguishing Characteristics. during 2 to 3 one-hour meetings. Use the MSSA-CAP online community/ambulatory pharmacy; and monitor improvements in safe medication practices via the interface to track trends and monitor progress or improvements in I. Patient information . Drug information Communication of drug orders and other drug information 4. Drug labelling, packaging and nomenclature https://www.ismp-canada.org/amssa/index.htm 5. Drug standardization, storage and distribution 6. Use of devices 7. Environmental factors 8. Staff competence and education 9. Patient education 10. Quality processes and risk management The MSSA-CAP was updated in 2012 in order to accommodate the

expanding scope of pharmacy practice in Canada and a new online

interface is currently under development

Discussion

As pharmacists and pharmacy technicians take on additional responsibilities, we must first ensure that we have an adequate risk management system in place to strive for patient safety and medication safety. Pharmacies can first use the MaPSAF and PSCQ to assess their safety culture. Pharmacy managers can subsequently use *Pathways for medication safety®: Looking collectively at risk* to devise a plan for embracing change and enhancing the cultural competency of the practice setting. Finally, medication safety self-assessments such as the AROC from ISMP US and the MSSA-CAP from ISMP Canada can help pharmacy practitioners learn from each other and improve the medication distribution system as a whole.

Risk management is a collaborative and iterative process. We recommend using the CQI tools with all staff in the pharmacy at least annually in order to ensure continuous quality improvement.

Table 2. Relationship between MaPSAF and PSCQ [2]

	Dimensions of Patient Safety and Risk Management Culture in MaPSAF	Items in PSCQ
1	Commitment to patient safety (Correspond to 3 items in PSCQ)	7, 17, 22
2	Incident reporting (Correspond to 6 items in PSCQ)	4, 10, 14, 20, 25, 30
3, 4	Investigating causes of incidents; and Learning from incidents (Correspond to 8 items in PSCQ)	3, 11, 13, 19, 23, 28, 32, 34
5	Communication (Correspond to 6 items in PSCQ)	1, 6, 9, 16, 21, 27
6	Staff management (Correspond to 5 items in PSCQ)	2, 12, 24, 29, 31
7	Staff education and risk management training (Correspond to 3 items in PSCQ)	8, 18, 33
8	Teamwork (Correspond to 3 items in PSCQ)	5, 15, 26

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