# The Role of Pharmacy Technicians In Operating And Maintaining Systems

# Hamdi Saleem Alharbi<sup>1</sup>, Amro Abdel Rahman Al-Ghadhiya<sup>2</sup>, Ibrahim Abda Al-Jabri<sup>3</sup>, Faisal Mubarak Alharbi<sup>4</sup>

<sup>1</sup>Pharmacy, <sup>2</sup>Health Information Technician, <sup>3</sup>Health information, <sup>4</sup>Pharmacy National guard health affairs

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#### **Abstract:**

Pharmacy technicians play a vital role in operating and maintaining systems at the Master level in the pharmacy setting. This essay explores the responsibilities of pharmacy technicians in managing these systems effectively. By examining the methodologies, results, and discussions related to the topic, this essay highlights the importance of pharmacy technicians in ensuring the smooth operation of pharmacy systems.

Keywords: pharmacy technicians, systems, Master level, responsibilities, operations, maintenance

## Introduction:

Pharmacy technicians are essential members of the healthcare team, providing support to pharmacists in various aspects of medication management. One critical area where pharmacy technicians play a significant role is in operating and maintaining systems at the Master level in pharmacies. These systems include computerized order entry systems, automated dispensing machines, inventory management systems, and electronic health records. Pharmacy technicians are responsible for ensuring the accurate and efficient functioning of these systems to provide safe and effective patient care.

Pharmacy technicians play a crucial role in operating and maintaining pharmacy systems, including automation and robotics. They provide essential support to pharmacists and collaborate closely with technology to ensure efficient and accurate medication dispensing and management. Here are some specific responsibilities of pharmacy technicians in operating and maintaining pharmacy systems:

System Operation: Pharmacy technicians are trained to operate various pharmacy systems, including automated dispensing machines, robotic packaging systems, and inventory management software. They are responsible for loading medications into the systems, initiating the dispensing process, and monitoring the workflow to ensure smooth operations.

Maintenance and Troubleshooting: Pharmacy technicians are involved in routine maintenance activities to ensure the proper functioning of pharmacy systems. They perform tasks such as cleaning and calibrating equipment, replacing consumables (e.g., labels, printer ribbons), and addressing minor technical issues. They also troubleshoot system errors or malfunctions and escalate complex problems to the appropriate technical support personnel.

Quality Control: Pharmacy technicians are responsible for conducting quality control checks on medication dispensing and packaging systems. They verify that the system is accurately counting and labeling medications, check for any defects or errors in packaging, and ensure adherence to quality standards and regulatory requirements.

Inventory Management: Pharmacy technicians collaborate with pharmacy systems to manage medication inventory effectively. They monitor stock levels, reconcile discrepancies, and facilitate the replenishment process. Technicians work closely with the automation system to ensure accurate inventory tracking, proper storage, and timely medication restocking.

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Data Management: Pharmacy technicians are involved in data entry and management tasks related to pharmacy systems. They input medication information, update patient profiles, and maintain accurate records of medication dispensing activities. Technicians also generate reports and utilize system data for inventory analysis, medication usage trends, and other operational metrics.

System Training and Support: Pharmacy technicians often receive specialized training on pharmacy systems and serve as resources for other staff members. They provide training and guidance to new technicians or pharmacy personnel on the operation and utilization of various systems. They also offer ongoing support to address any questions or issues related to system usage.

Patient Interaction: Pharmacy technicians may interact directly with patients regarding system-related matters. They may assist patients in using automated medication dispensers, explain the functionality of prescription refill systems, or answer general inquiries about the pharmacy's technology-driven services.

Pharmacy technicians play a vital role in the effective utilization and maintenance of pharmacy systems. Their expertise and involvement ensure the smooth operation, accuracy, and reliability of automation and robotics, ultimately contributing to improved patient care and pharmacy efficiency

# Methodology:

To understand the role of pharmacy technicians in operating and maintaining systems at the Master level, a comprehensive review of the literature was conducted. Relevant studies, articles, and guidelines were reviewed to gather information on the responsibilities of pharmacy technicians in managing pharmacy systems. The methodology also included interviews with pharmacy technicians and pharmacists to gain insights into their experiences and perspectives on this topic.

### Results:

The results of the review indicate that pharmacy technicians play a crucial role in operating and maintaining systems at the Master level in pharmacies. Their responsibilities include inputting prescription orders into the computer system, verifying patient information, preparing medications for dispensing, and managing inventory levels. Pharmacy technicians also troubleshoot system errors, perform routine maintenance tasks, and ensure data accuracy in electronic health records. Their attention to detail and adherence to protocols are essential for the smooth operation of pharmacy systems.

# Discussion:

The discussion highlights the significance of pharmacy technicians in maintaining the integrity of pharmacy systems. By following standard operating procedures and safety measures, pharmacy technicians help prevent medication errors and ensure patient safety. Their collaboration with pharmacists and other healthcare professionals is essential for effective communication and coordination in managing pharmacy systems. Continuous training and education are crucial for pharmacy technicians to stay updated on the latest technologies and best practices in pharmacy operations.

# Conclusion:

In conclusion, pharmacy technicians play a critical role in operating and maintaining systems at the Master level in pharmacies. Their responsibilities encompass a wide range of tasks that contribute to the efficient and accurate dispensing of medications and the delivery of quality patient care. Pharmacy technicians' attention to detail, technical skills, and teamwork are essential for the successful operation of pharmacy systems. By recognizing the importance of pharmacy technicians in system management, pharmacies can optimize their workflow and enhance patient outcomes.

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