

INVESTIGATION OF THE AUTOMATION SYSTEMS IN RANGE OF PHARMACEUTICAL BUSINESS

Tereschenko L. V., Zhirova I. V.

National University of Pharmacy, Kharkiv, Ukraine

economica@nuph.edu.ua

Pharmacy is not only health care provider that provides medicines, but also is a source of business with complex reporting structure, which maintains contact with many suppliers, controls various aspects such specific goods, as medicines.

Nowadays stock-out detection, choice of supplier, the formation of order receipt and product pre-sale preparation, inventory management, dispensing drugs to consumers can be performed faster and more efficiently through the usage of the computer programs. That is why **the aim of our investigation** was to analyze the automatisisation system presented at Ukrainian pharmacy business market and identify their advantages.

It necessary to underline that the majority of the pharmacy task can be solve more effective with special computer programs such as determination of the need for drugs in pharmacies, through prediction of needs, building applications and informed pharmacy and provider interaction. Automation pharmacy network should include registration and record sale; work with suppliers; analysis of commodity; accounting.

Automation itself - is the use of complex tools that allow manufacturing processes without direct human intervention. The main criteria of evaluation software are price, prevalence, functional opportunities, simplicity and convenience using, accessibility technology Support (regular renewal and addition program).

According to the research of Expert Farm 2016 **top 5 software for pharmacies are:** *"ANR-pharmacy"*, *Farmzakaz "Pharmacy" (Morion)*, *"Paracelsus"*, *"Skarb"*, *"Antaris"*. First three of them with their short characteristics are shown in the table.

Name of the system	Short characteristics
<p>“ANR-pharmacy” (Association of Independent developers)</p>	<p>is designed for automation of turnover in retail trade as medicines in one pharmacy and online pharmacies. The program automatically tracks the balances in stock and issues recommendations when to order a product and in what quantities.</p>
<p>Farmzakaz “Pharmacy” (Morion)</p>	<p>Create and import needs from departments, work with pivot demand, output reports Formation needs (stock-out drugs, demands) of the selected proposals or general list of registered medical forms Automatic selection of suppliers on the criteria of a minimum amount or minimum price Formation, sending email and save orders to suppliers in a special register Analysis the history of the orders</p>
<p>The program "Paracelsus"</p>	<p>has more than 250 pharmacies in Ukraine, the largest pharmacy automation in Chernihiv and Kyiv regions. Keep records of operational inventory in quantity and value terms. Provide a price list catalog search by name, and receive information about its availability at any drugstore network. Conduct an exchange of documents between the company headquarters and a network of pharmacies. Automatically generate the list of goods to be ordered, based on sales information for prior periods. Generate summary, analytical reports and forecasts.</p>

Conclusions. Automation in the pharmacy is developing in huge steps in Ukraine today. For now, there is no any big pharmacy network, that has no programs for automatization of their orders, and now we are slightly moving to an automatic

order of drugs through internet. The main advantages that have been identified: 1) automating of the processes exempts valuable employees from routine work, helps to solve the personnel problem and removes the need to increase staff; 2) almost all analysts note that pharmacy automation reduces costs and increase turnover of sales and profits of companies; 3) increase of turnover by 30-40%; 4) expanding the range of drugs.

ИСТОРИЧЕСКИЕ И СОВРЕМЕННЫЕ АСПЕКТЫ РАЗВИТИЯ СИСТЕМЫ ФАРМАЦЕВТИЧЕСКОЙ ИНФОРМАЦИИ В ТУРКМЕНИСТАНЕ

Гавриш Н.Б., Рахматуллаев О.

Национальный фармацевтический университет, г. Харьков, Украина

socpharm@nuph.edu.ua

Интенсивное развитие фармацевтического рынка, увеличение ассортимента лекарственных средств привело к динамичному росту количества источников медицинской и фармацевтической информации. В связи с этим одним из актуальных вопросов является создание эффективной системы фармацевтической информации Туркменистана, которая бы обеспечила специалистов фармации профессиональной, достоверной, информацией, которая является необходимой для работы аптек и фармацевтических фирм.

Целью данного исследования стало изучение основных исторических аспектов становления системы фармацевтической информации и её современного состояния в республике Туркменистан.

В результате научного обобщения данных публикаций по тематике развития фармацевтической информации, установлено, что с целью оперативного информирования врачей и аптечных работников Туркменской ССР о лекарственных средствах (ЛС) в 1968 г. при Главном аптечном