

Digital System for Vaccines Management in Thai Supply Chain

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Abstract— An article about digital System for vaccines management in Thai supply chain aim to present for vaccines management in Thailand for better effective The vaccines management needs need to be injected boost immunity . The processes consisted of Seller, Manufacture , Distribution, Customers and Satisfaction, All component connect with digital technology in the Thailand with the supply chain. This truly added the immunity in Thailand .The supply chain and information system may be appropriately applied in actual work settings.

Keywords—Digital, System, Vaccines Management Thai Supply Chain

1. Introduction

The nation currently places a high priority on antibodies. The consumption of antibody supplies decreased in many nations during the first half of 2020. At the same time, nation lockdowns and disruptions to local and international talk shipments prevented nations from receiving vaccine supplies on schedule. These circumstances have had an impact on supply and demand, and they could have a real impact on manufacturers' ability to produce extra antibodies for use in the future as well as on countries' ability to successfully re-establish immunization programs. Many antibody makers are approaching, or have already reached, their maximum capacity capacity, and are unable to continue production until a rational flow of packaged product out of their stockrooms is restored. [7] The application of concept of supply chain management technology information system. It is because the business needs to be highly competitive from both within and outside the country. In order to be highly competitive, organizations in the sector need to have personnel with knowledge, ability and skills who can work efficiently to increase output. The organizations, therefore, need to have sufficient information and resources to increase their values and respond to the demand of their clients. Thus, the supply chain management

process is the key process to support the organization's whole activities system from upstream to downstream. [1] Thus, the researcher had an idea to propose an article about digital system for Vaccines management in Thai Supply chain for application to increase values of enterprises and institutions and increase satisfaction of consumers.

2. Supply Chain Management

One of the goals that all firms work to achieve is supply chain management. Data and supply chain management will help businesses improve efficiency and cut expenses. A reliable supply chain and data can be maintained to include or have high regard clients and providers. These will ensure that businesses achieve their goal of producing high-quality goods. Supply chain management for vaccines may involve communication and coordination between different businesses and sectors. This will take into account the capacity and development of raw materials, work-in-process stock,

3. Digital technology in supply chain

The collection of specialized and antibodies that provide the capacity, computing, conveyance, and communication for the data required by all or a portion of an undertaking is what is known as advanced innovation in supply chain. A remarkable framework for managing data frameworks throughout the supply chain that provides information for managing an enterprise. Computerized supply chain innovation is now being used in several supply chain segments. The value of data for officials can be seen in the following ways:

- 1 Quick responses and reduced time wasted
- 3 Made progress with transparency
- 2 strengthened contract transactions and enhanced contract compliance
- 4 Ease of checking supply revenue and streamlined cross-checking of supply usage

- 5 Cost-to-charge information perceivability will be captured more easily.
 - 6 Charger accuracy will increase.
 - 7 A person will be wisely used rather than wasted.
- [8]

4. Digital System for Vaccines management in Thai Supply chain

Digital System for vaccines management in Thai supply chain are presented in figure 1

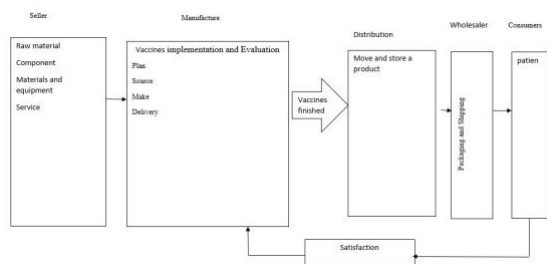


Figure 1: Digital System for vaccines management in Thai Supply chain

Explanation of the digital system for vaccines management in Thai Supply chain

1. Sellers

Sellers mean Raw material Component Materials and equipment Service that provide manufacturers with raw materials. Through a computer system that can effectively manage and store the information, they can submit an application for confirmation.

2. Manufacturer

Manufacturer means government agency and a private hospital, factory or other agency relate that produces finished vaccines. They will accomplish their obligation to advance and evaluate antibodies, which includes planning, sourcing, manufacturing, and providing in every action.

3. Distribution

Distribution to the steps taken to move and store a item from the provider arrange to a client organize within the supply chain. Conveyance happens between every pair of stages within the supply chain

4. Wholesaler

Wholesaling is one step within supply chain, which also includes suppliers of raw materials, manufacturers of packaged goods, and retailers to end users, includes wholesalers as one link in the process. Retailers buy products from wholesalers and then sell them at a high enough price to pay their costs and generate profits.

5 Consumers

Consumers refer to the patient, the final step, or both. Lastly, A final component indicates that it will provide value to the supply chain.

6 Satisfaction

Evaluation of questionnaires yields data on satisfaction. [1],[2],[3],[4],[5],[6]

5. Conclusion

Digital System for vaccines management in Thai supply chain Each component interacts with the supply chain in Thailand via digital innovation. This actually covered Thailand's income disparity. From upstream to downstream, the supply chain will be important for the vaccines administration. It enables the company to quickly examine the data architecture in order to ensure that the organization functions smoothly and profitably based on the chosen techniques.

6. Recommendation

If possible digital System for vaccines management in Thai supply chain needs to be properly connected in operational contexts.

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