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Information System for Elderly Care Management in Thai Supply Chain

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Abstract— **An academic articles about information system for elderly care management in Thai supply chain aim to present elderly care management through a supply chain applying for better effective elderly care management The elderly care management needs to be appropriate to changes of globalized economy and society. The processes consisted of Suppliers, Agencies, Satisfaction and service, Customers ,All component connect with information communication technology in the Thailand with the supply chain. This truly added the society in Thailand .The supply chain and information system may be applied in the elderly care to support the tasks.**

Keywords— *Information System, Elderly Care Management, Thai Supply Chain*

1. Introduction

Thailand will fully transition to an elderly society in 2021. The need for healthcare and the continuum of care is growing due to the aging population. The primary organization in charge of overseeing the community's senior care system is called Many Agencies. In order to prepare for a fully old society, Thailand decentralized power in long-term care for dependency elderly in 2018. There are four pressing issues: 1) strengthening families and communities by fostering and supporting the strength of social capital in terms of people, institutions (family, community, religion), culture, and wisdom; 2) implementing good governance principles in the management of the elderly care system by clearly establishing a plan and budget; and 3) managing human resources both in the health and human service sectors.A service model that includes all stakeholders, is quality-focused, connected to and integrates all sectors to offer excellent care for all aged populations is necessary, especially informal caregivers in order to have enough carers for every community. The preparation of Thai people will result in their capacity and readiness to successfully manage the senior care system in light of the challenges presented by a fully developed aged society. [1]. The application of concept of supply chain management 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. [3] Thus, the researcher had an idea to write an academic articles about information system for elderly care management in Thai supply chain.

2. Supply Chain Management

Supply Chain is one of the goals that all organizations strive to achieve. Supply Chain and Information will help organizations improve efficiency and reduce education institutions expenses, High value customers and suppliers can be added or retained by maintaining a reliable Supply Chain and Information. These will promise organizations to the goal to produce high-calibre product**.**

Elderly care management in supply chain is a flow of elderly and services between businesses and locations. This can include the movement and storage of raw materials, work-in-process inventory, satisfaction and service, and end to end fulfilment from an origin to the point of consumption. Interconnected, interrelated or interlinked networks, channels combine in the provision of elderly and services required by end customers in a supply chain.

3. Information System in supply chain

Information System in supply chain is the collection of technical and human resources that

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provide the storage, computing, distribution, and communication for the information required by all or some part of an enterprise. A special form of information system management in supply chain which provides information for managing an enterprise.

Nowadays, information technology in supply chain is increasingly used in various aspects of the supply chain. It can be seen that information for executives is useful as follows:

1 Increased and more accurate reimbursements

2 Strengthened contract negotiations and enhanced contract compliance

3 Improved transparency

4 Streamlined cross-check utilization of supplies and ease of monitoring supply revenue

5 Capturing cost-to-charge data visibility will be smoother

6 Billing will be more accurate

7 A person will be wisely utilized and not wasted.[18]

4. Supply Chain Management and information for elderly care management in Thailand

Suppliers mean persons who have attained the age over total sixty a long time and are of Thai nationality. They will send point by point data around elderly through to relate an offices. An organizations will perform its obligation of elderly execution and assessment It is based on the thought that all supply chain assignments and exercises can be allotted to four essential forms - arrange, source, make, provide of each action for including esteem to the society. They can send for confirmation by means of the computer framework that can prepare and store the information methodically from the Figure 1 appears the development of data within the supply chain for elderly care administration in Thailand.[7],[8],[9],[10],[11],[12],[13],[14], [15],[16],[17]
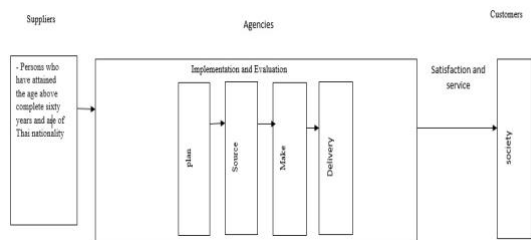

Figure 1: Information system for elderly care management in Thai supply chain.

Table 1: Component of Suppliers, with Its Stakeholders, Activities, and Needs for data

Suppliers	Activities in supply chain	Needs for data
Stakeholders: persons who have attained the age above complete sixty years and are of Thai nationality	- Supplying detailed information about elderly	Real-time data visibility

Table 2: Component of relate agencies with Its Steps of elderly care implementation and evaluation, Activities, and Needs for data

Agencies	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 1 plan	1 To set up policies and principal plans on protection, promotion and support of status, roles and activities of the elderly under the Cabinet's approval. To this end, family shall be promoted and supported to take part in the elderly care-giving. 2To set up framework for implementing the policies and principal plans subject to (1), including to coordinate, monitor and evaluate performance results under such policies and principal plans.	- To be easily accessible.

Table 2: (Continued)

Agencies	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 1 plan	(3) To consider to provide support and assistance for activities of the State and private agencies involved in the elderly support and development. (4) To set up the regulations involving administration of the Fund, seeking interests and management of the Fund under the Ministry of Finance's approval pursuant to Section 20 (1). *(5) To set up the	- To facilitate and speed up.

Agencies	Activities in supply chain	Needs for data
	regulations of approval of payments for the purposes of protection, promotion , support and provision of welfare for the elderly pursuant to Section 20 (2).	

Table 2: (Continued)

Agencies	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 1 plan	(6) To set up the regulations involving preparation of reports on financial status and administration of the Fund pursuant to Section 20 (3). (7) To set up the regulations involving receipt of monies and payments, safe keeping of the Fund under the Ministry of Finance's approval pursuant to Section 21. (8) To set up other related regulations for observance and compliance with this Act	- To facilitate and speed up.
2 Source	(1) To formulate the framework of implementation of the policies and principal plans involving protection promotion and support of status, roles and activities of the elderly to be proposed to the Committee.	

Table 2: (Continued)

Agencies	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 2 Source	(2) To collate data, information, studies, researches and to develop undertakings involving the protection, promotion and support of the elderly. (3) To serve as the centre for coordinating, disseminating and publicizing of works or activities concerning the	- To facilitate and speed up.

Agencies	Activities in supply chain	Needs for data
	elderly. (4) To establish the community-based care system for the elderly. (5) To cooperate and coordinate with the central authorities, the provincial authorities, the local authorities and the state enterprises as well as other organizations in facilitating the elderly to access the protection,	

Table 2: (Continued)

Agencies	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 2 Source	promotion and support entitled to them under this Act and any other relevant laws. (6) To monitor and evaluate the actions done under the principal plans of the agencies involved and report to the Committee. (7) To propose recommendations to the Committee on enactment or amendment of laws concerning protection, promotion and support of status, roles and activities of the elderly.	- To facilitate and speed up.
3 Make	1) Medical and public health services particularly provided by taking account of convenience and rapidness for the elderly. (2) Education, religions and useful information and news for their living. (3) Appropriate occupations or occupational training.	

Table 2: (Continued)

Agencies	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 3 Make	4) Self-development and participation in social activities, grouping together as a network or community. (5) Facilities and safety directly rendered to the elderly in buildings, places, vehicles or other public services.	- To facilitate and speed up.

Agencies	Activities in supply chain	Needs for data
	(6) Appropriate support for transport fares. (7) Exemption from entry fees to government places. (8) Assistance for any elderly person facing danger of torture or unlawful exploitation or abandonment. (9) Provision of advice and consultation on other proceedings in connection with a case or the remedy of family problems. (10) Extensive provision of housing, food and clothing where necessary. 11) Assistance in holding their traditional funerals.	

Table 2: (Continued)

Agencies	Activities in supply chain	Needs for data
Steps of elderly care implementation and evaluation 4 Delivery	Reporting of elderly care implementation	- To facilitate and speed up.

Table 3: Component of customers, with activities and needs for data

Customers	Desirable Qualities	Needs for data
Society	Questionnaires to assess the satisfaction [2][3],[4],[5][6] and [8]	- Data that is easy to gather, to process and to retrieve

6. Conclusion

Information system for elderly care management in Thai supply chain. Suppliers, Agencies, Satisfaction and service, Customers All component are a service provider that helps you to make things like clothes, furniture, and other things. They make sure that the things you make are in good condition, and that the workers who make them have the right to safety, good wages, and a good place to live effectively based on a determined strategy.

7. Recommendation

It should make database in supply chain for adding value to the society.

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