

## Abstract

The study of “Guidelines for development of Emergency Medical System in Amphoe Muang, Nakhonpathom Province”. The objectives in this study are to study; the level of knowledge in Emergency Medical System (EMS); the opinions towards the system of EMS procedures, the opinions towards guidelines for development of EMS in the area of Amphoe Muang, Nakhonpathom Province. The target groups for this study are the employees and the ones who are concerned who working for EMS in Nakhonpathom Province. There are 160 persons in the sampling group. The tools of the study include questionnaires, data analysis by mean, percentage, standard deviation, and testing by t-test and F-test.

The members of the sampling group are male, age ranging between 26-30 years old, with bachelor degree education and working in charge of Emergency Medical System (EMS). It was found out that they were officers or Suksalanukhraw Philanthropic Foundation's volunteers and Tumbol Thammasala's civilian disaster protection unit's volunteers, with an experience of EMS for 1-3 years, training for learning knowledge of EMS, i.e. training for the first aid medical treatment.

From the result of overviewing the level of knowledge of EMS, it is found out that the level of knowledge of EMS is at low level, but the level of rescuing at high level as they have knowledge to transport to target hospitals, especially the sampling group are able to move the unconscious patients from accident sites by carrying or shouldering. From overviewing opinions towards the system of EMS procedures, it is found out to be at high level, especially methods in the operation of rescue services. As the rescue units are well equipped for removing the patients. The result from overviewing the opinions towards the guidelines for development of EMS is at high level, especially the personnel administration of EMS should continuously develop and educate the knowledge about the role and mission. From the result of testing the relationship, it is found out that the different education level will not only affect learning the knowledge of EMS, but also the opinions towards the guidelines for development of EMS as well by level of an statistical

significance of 0.05 and also discovered that the difference of EMS's mission will affect learning the knowledge of EMS, but also the opinions towards the guidelines for development of EMS as well by level of an statistical significance of 0.05.

The recommendations of this study : it should have training of knowledge about patients' transportation to hospitals, co-ordination, notifying especially how to solve and protect the problems threatening the patient's life at accident sites and during their transportation to hospitals. The knowledge of EMS should have been been publicized to the people in the area, who can notify by telephone number 1669. Rescue service centres should speed up making the handbooks covering their basic role, duty, standard and provide to all units and all networks of EMS. It should also be given importance to the continuously development of EMS.