Automated Coordination of Emergency Response in Kenya

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An emergency medical service (or EMS) is a service that provides out-of-hospital skilled nursing and transportation to definitive care to people who have illnesses or injuries that they believe are medical emergencies. External assistance can take days, if not weeks, to arrive in most instances. As a result, it is essential that a structure be in place to deal with the initial phase of an emergency, based on available in-country capacity. During disasters and emergencies, the current global system of emergency service provision is frequently inefficient, especially in developing countries. This inefficiency stems from the unavailability of a location-based service capable of detecting the exact position of a patient's location. This study proposes a System for Emergency Response Coordination in Kenya to assist emergency medical services in reacting to disasters in a timely way. Patients will be able to use their smartphones as a panic button, guaranteeing that they receive rapid and effective emergency aid wherever they are, according to the proposed system. Patients and the Emergency Response Team will be able to meet and identify objectives of the application that is directed toward handling emergency problems using the Prototype Model, which will be employed based on the system's existing requirements. The proposed system will be web-based, with HTML, PHP, CSS, and JavaScript being used to develop it. MySQL will be used to store data. With the proposed solution, it is expected that we shall be able to move closer to achieving the 3rd Sustainable development goal on good health and wellbeing among other aspects.