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Survey on Integrated Massive Accident Patient Segregation System

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Abstract: *The proposed system aims to enhance response to mass casualty incidents (MCIs) by enabling efficient coordination between nearby hospitals. Upon detection of an incident, hospitals are alerted, and their capacities are assessed in real-time. Through effective communication and coordination, patients are segregated based on hospital capabilities and injury severity. This process facilitates optimal allocation of resources and ensures that each patient receives appropriate care. Transportation arrangements are made to transfer patients to designated hospitals, and the system continuously monitors and adjusts based on evolving conditions. By leveraging technology and collaboration, this system enhances the overall response to MCIs, improving patient outcomes and maximizing the utilization of available resources in critical situations*

Keywords: Mass Casualty Incidents (MCIs), Coordination, Hospital Capacities, Patient Segregation, Resource Allocation.

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