Future Envisioning

Strategies	Short-term	Mid-term	Long-term	
Emergency communications system	**Adapt real-time alerts and notifications** S: Hospital administrators and staffs T: Cooperate with external information-technology company F: Governmental funds Reduce the time required from the receive of an alert to the activation of the corresponding emergency procedures. Enhance employees' sense of preparedness and situational awareness in the face of emergencies. **Role-based messaging** S: Hospital administrators and staffs T: Cooperate with external information-technology company F: Governmental funds Reduce the time it takes for messages to be delivered and increase the response rate of healthcare professionals receiving messages. Enhancement of targeted communication and clarity of roles in emergencies, leading to more efficient problem solving. **Organize staff trainings** S: All the staffs, emergency professionals, patients T: - F: Governmental funds Reduce incident response time and error rate. Increasing the operational proficiency of healthcare workers in order to improve their emergency response capacity, as well as their confidence in crisis management.	**Create feedback loop** S: Hospital administrators and staffs T: Cooperate with external information-technology company F: Governmental funds Accurate and fast feedback reduces problem solving time and increases problem resolution rates. Streamline the feedback process and improve the efficiency and clarity of internal communications. **Real-time traceability** S: Hospital administrators, logistics department, healthcare resource suppliers T: Cooperate with external information-technology company F: Governmental funds Increased resource utilization and reduced response time to resource requests. Optimize resource management decisions to maximize the benefits of resource allocation and enhance the adaptability of resource distribution in emergency situations.		**Micro**
Public healthcare guidance and education	**Create official accounts for public education** S: Expert Contributors, Community Managers T: Based on WeChat F: Governmental funds, social funds Prevent illness and injury through education thus conserve healthcare resources. Empowers individuals with the knowledge needed to protect themselves and others.	**Organize different workshops** S: Professionals in healthcare and climate change fields, Partnership Organizations, residents T: Digital Platform Supporting, Audio-Visual Equipments F: Governmental funds, social funds,Corporate Sponsorships. Educate residents on proper waste disposal, minimizing environmental damage; well-prepared communities are better to take preventive measures, which can minimize property damage. Foster community cohesion and build a sense of solidarity among residents.	**Post-event report** S: Hospital administrators, all the staffs T: - F: - Providing strong support for subsequent emergency decision-making.	**Meso**
Exchange of healthcare information	**Create self health records** S: Healthcare professionals, legal experts, residents T: Cooperate with external information-technology company F: Governmental funds, Research Grants, Corporate Sponsorship Reduce emergency healthcare diagnosis times, reduce the use of disposable healthcare supplies and reduce wastes. Lower the risk of healthcare accidents and enhance the continuity of healthcare services. **Build community Forum** S: Community Managers, residents, healthcare professionals T: Cooperate with external information-technology company F: Governmental funds, Corporate Sponsorship Decrease unnecessary hospital visits and decrease carbon emissions. Cultivates a culture of knowledge sharing and mutual aid, mitigate the feeling of isolation and anxiety. **Disseminate emergency information** S: Government Agencies, healthcare staffs, residents, software developers T: Cooperate with external information-technology company F: Governmental funds, Corporate Sponsorship Timely and accurate emergency information can save lives, reduce injuries, mitigate disaster-related costs. Minimize panic among the public. **Adapt inclusive notifications** S: Government Agencies, healthcare staffs, residents, software developers T: Cooperate with external information-technology company F: Governmental funds, Corporate Sponsorship Minimize damage to property and infrastructure, reduce injuries. Ensure that no segment of the population is left uninformed or unprepared, promote inclusivity among the community. **Provide online healthcare consultation** S: Government Agencies, healthcare staffs, residents, software developers T: Community healthcare professionals, F: - Reduce the need for travel which can lower carbon emissions. Ensure continuity of care when physical access to healthcare facilities is obstructed, promotes a broader acceptance and integration of technology in healthcare. **Interact with E.H.R** S: Government Agencies, healthcare staffs, residents, software developers T: Community healthcare professionals, software experts F: Governmental funds Reduce reliance on paper records and thus lowering carbon emissions, reduce unnecessary tests or treatments. Enhances accessibility to healthcare information, optimize resource allocation, foster transparency in healthcare.	**Public healthcare education** S: Government Agencies, healthcare staffs, residents, software developers T: - F: Governmental funds, Corporate Sponsorship, Lower healthcare costs associated with treating injuries and illnesses. Reduce panic and improve self-sufficiency, raise people's awareness about prioritizing health, safety, and preparedness.	**Macro**

Legends:

- **S** Stakeholder
- **T** Technologies
- **F** Funds
- Quantitative impacts
- Qualitative impacts
- Environmental impacts
- Social impacts
- Economic impacts
- Cultural impacts
- Process impacts