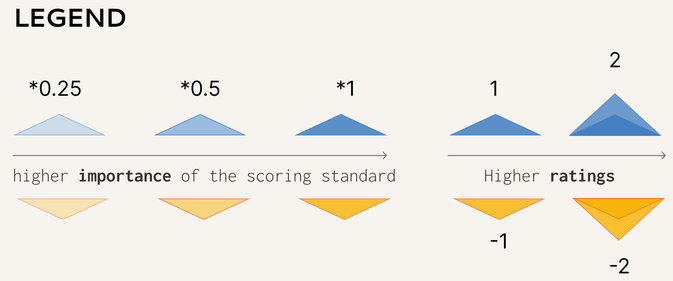
Evaluation matrix map

Che Kemeng S301537
Zhang Jianning S297771

By analysing the feasibility, cost, etc. of each opportunity, a cost-effective solution is arrived at and the next design direction is determined



	Preparedness				Process					Impact						
	People awareness How people's awareness can promote this initiative?	Knowledge required What level of knowledge is required to implement this measure.	Citizen involvement What range of people are involved?	Case study/ research found How easy is it to find relevant case studies/researches?	Technical feasibility What is the level of technical feasibility?	Time cost How much time will it cost?	Financial cost How much money will it cost?	Governmen-tal support How many laws and regulations limit the implementation of the initiative?	Interope-rability How interoperable is this measure among different entities?	Collabora-tion Does this measure promote cooperation between different organizations?	Efficiency improvement To what extent will this initiative improve efficiency?	Social impact What is the scale of the social impact of this initiative?	Risk and security Are there any potential risks or safety issues with this initiative?	Sustainab-ility Does this initiative enhance the sustainability of the system?		SUM
Information Net																
Establishment of an emergency communications system	1(1)	-1(1)	2(1)	2(0.5)	-1(1)	-1(0.5)	1(0.5)	1(0.5)	2(1)	2(1)	2(1)	1(0.5)	-1(0.5)	2(1)		10.5
Establish Healthcare Information Exchange (HIE) Networks	-1(1)	-1(1)	-1(0.25)	-1(0.5)	-1(1)	-1(0.5)	1(0.5)	1(0.5)	1(1)	2(1)	2(1)	1(0.5)	-2(0.5)	1(1)		2.25
Adopt Interoperable Electronic Healthcare Records (EHR) Systems	-2(0.5)	-1(1)	1(0.5)	-1(0.5)	-1(1)	1(0.5)	1(0.5)	2(0.5)	1(1)	2(1)	2(1)	1(0.5)	-2(0.5)	2(1)		5.5
Standardize																
Establish common Communication Protocols	-1(0.5)	1(0.5)	-1(0.25)	-1(0.5)	1(0.25)	1(0.5)	2(0.5)	1(0.5)	1(1)	1(1)	1(1)	1(0.25)	1(0.5)	1(1)		6.25
Implement Feedback Mechanisms	1(0.5)	1(0.25)	1(0.5)	1(0.25)	1(0.25)	2(0.5)	2(0.5)	1(0.5)	1(0.5)	1(0.5)	1(1)	1(0.25)	1(0.5)	1(1)		8
Public Education																
Guide and educate the residents about how to deal with natural disasters	2(1)	1(0.5)	2(1)	2(0.25)	2(0.25)	1(1)	1(0.5)	2(0.5)	1(0.25)	1(0.5)	1(0.5)	2(1)	1(0.5)	1(1)		12.75
Improve residents' knowledge about the importance of information sharing	1(1)	1(1)	2(1)	1(0.25)	2(0.25)	-1(0.5)	1(0.5)	1(0.5)	1(0.25)	1(0.5)	1(0.5)	2(1)	1(0.5)	1(1)		10
Data Management																
Data Collection and Reporting Systems	1(1)	1(1)	1(0.5)	2(0.5)	1(0.5)	-1(0.5)	1(0.5)	1(0.5)	1(1)	1(1)	2(1)	1(0.25)	-2(0.5)	1(0.5)		8.25
Standardize Data Formats and Reporting Process	1(0.5)	1(0.5)	-2(0.25)	1(0.5)	2(0.25)	2(0.5)	2(0.5)	1(0.5)	2(1)	1(1)	1(1)	1(0.5)	1(0.5)	1(0.5)		9.5
Resource Traceability																
Traceability of medical resources	1(1)	-2(1)	-1(0.25)	-1(0.5)	-1(1)	-1(0.5)	-1(0.5)	1(0.5)	2(1)	2(1)	2(1)	1(0.25)	1(0.5)	1(1)		4.5
Establish Centralized Supply Chain Information Hub	-1(0.5)	-1(1)	-1(0.25)	1(0.5)	-1(1)	1(0.5)	-1(0.5)	1(0.5)	1(1)	2(1)	1(1)	1(0.25)	1(0.5)	1(0.5)		3.5
Establishment of community stockpiles of medical supplies	1(0.5)	2(0.25)	1(0.5)	2(0.25)	1(0.5)	2(0.5)	-1(0.5)	1(1)	1(0.5)	1(0.5)	1(0.5)	1(0.5)	1(0.5)	1(1)		7.5
Accessibility																
Provide Accessible Transportation	2(1)	2(0.25)	1(0.5)	1(0.25)	2(0.5)	2(0.5)	1(0.5)	1(0.5)	1(0.25)	1(0.5)	1(1)	1(0.5)	-1(0.5)	1(0.5)		8.5
Telehealth and Remote Consultations	1(1)	-2(1)	1(1)	2(0.5)	-1(1)	1(0.5)	1(0.5)	2(0.5)	1(0.5)	1(0.5)	2(1)	1(0.5)	-1(0.5)	1(0.5)		5.5
Mobile Health Units and Temporary Facilities	1(0.5)	1(0.5)	1(0.5)	1(0.25)	1(0.5)	1(0.5)	-1(0.5)	2(0.5)	1(0.5)	1(0.5)	1(0.5)	1(0.5)	-1(0.5)	1(0.5)		5.25
Financial Support																
Financial Assistance Programs	-1(0.25)	1(0.25)	-1(0.5)	-1(0.25)	2(0.25)	-1(0.5)	1(0.5)	2(0.5)	-2(0.25)	-1(0.5)	1(0.5)	1(0.5)	-1(0.25)	1(0.5)		1
Investment in Infrastructure Upgrades	-1(0.25)	1(0.25)	-1(0.5)	1(0.25)	2(0.5)	-1(0.5)	1(0.5)	2(1)	-1(0.25)	-1(0.5)	2(0.5)	1(0.25)	-1(0.25)	1(1)		4
Emergency Preparedness																
Vulnerability Assessments	-1(0.25)	-1(1)	-1(0.25)	-2(1)	1(1)	1(1)	2(0.25)	-1(1)	1(0.5)	1(0.5)	1(0.25)	1(0.25)	1(0.25)	2(1)		1.75
Establishment of evacuation assembly points	-1(1)	2(0.5)	2(1)	2(0.5)	2(0.25)	1(0.5)	1(0.5)	1(1)	1(0.5)	1(0.5)	1(0.5)	1(0.5)	1(0.25)	1(1)		8.25
Improve the resilience of Healthcare Facilities	-2(0.25)	-1(0.5)	1(0.5)	1(0.5)	1(0.5)	-1(1)	2(0.25)	1(0.5)	-1(0.25)	1(0.5)	1(0.5)	1(0.5)	1(0.5)	2(1)		4.25
Establishment of medical emergency transport corridors	-1(0.5)	1(0.25)	1(0.5)	1(0.25)	1(0.25)	2(0.5)	2(0.25)	1(0.5)	-1(0.5)	-1(0.5)	1(0.5)	1(0.25)	-1(0.5)	1(0.5)		2.5
Co-operation																
Strengthening co-operation between hospitals and traffic management	-1(0.25)	2(0.25)	-1(0.25)	1(0.5)	1(0.25)	-1(0.5)	2(0.25)	1(1)	1(0.5)	1(1)	1(1)	1(0.25)	1(0.25)	1(0.5)		5.25
Strengthening co-operation between hospitals and community	-1(0.5)	2(0.25)	1(1)	1(0.5)	1(0.25)	-1(1)	1(0.5)	1(1)	2(0.5)	2(1)	1(1)	1(0.5)	1(0.25)	1(1)		8
Engage Suppliers in Information Sharing	-2(0.25)	2(0.25)	-1(0.25)	-1(0.5)	1(0.5)	1(0.5)	2(0.25)	1(0.5)	1(1)	1(1)	1(1)	1(0.25)	1(0.25)	1(0.5)		5.25
Collaboration for resources and medical personnel sharing	-1(0.5)	2(0.25)	1(0.5)	-1(0.5)	1(0.5)	1(0.5)	1(0.5)	1(0.5)	1(1)	1(1)	1(1)	1(0.25)	1(0.25)	1(1)		6.5