

## Interview questions and quantitative data

Topic	Interview questions		Interviewee(s)	Quantitative data	Data sources
Flow of patients	<i>Patient flow: To PAPs/TMUs</i>		- Director of Phuket Provincial Public Health Office	<ul style="list-style-type: none"> <li>- Resource requirement for TMU setting</li> <li>- Number of patients (each category) and time between patient arrivals during Tsunami and boat capsizing</li> <li>- Waiting time and treatment time at TMUs during Tsunami and boat capsizing</li> <li>- Number of resources allocated to TMUs during Tsunami and boat capsizing</li> </ul>	- Phuket Provincial Public Health Office
	Past activities <sup>1</sup>	Current activities <sup>2</sup>			
	<ul style="list-style-type: none"> <li>- What were the criteria used to allocate patients to PAPs?</li> <li>- How did you allocate patients to PAPs? (Vehicles?)</li> <li>- Did you reallocate the patients among PAPs? If so, why? And where did you re-transport them to?</li> <li>- Were PAPs affected by disasters?</li> </ul>	<ul style="list-style-type: none"> <li>- What are the criteria used to allocate patients to TMUs?</li> <li>- How do you allocate patients to TMUs? (Vehicles?)</li> <li>- Do you reallocate the patients among TMUs? If so, what is the plan?</li> <li>- Do you increase a number of TMUs during disasters? If so, how?</li> </ul>			
	<i>Patient flow: To HPs</i>		- Director of Phuket Provincial Public Health Office	<ul style="list-style-type: none"> <li>- Number of emergency beds/chairs in internal HPs</li> <li>- Capacity of external HPs (beds and staff)</li> <li>- Number of patients who were treated at internal/external HPs during Tsunami and boat capsizing</li> </ul>	<ul style="list-style-type: none"> <li>- Internal HPs</li> <li>- Phuket Provincial Public Health Office</li> </ul>
	Past activities	Current activities			
	<ul style="list-style-type: none"> <li>- What were patient categories?</li> <li>- What were the criteria used to allocate patients from the PAPs to the HPs?</li> <li>- Did you reallocate the patients after they being transported to one HP? If so, why? And where did you re-transport them to?</li> <li>- Did you move the existing patients to nearby HPs? If so, how? Criteria used to select the HPs?</li> <li>- Were patients transported to external HPs?</li> </ul>	<ul style="list-style-type: none"> <li>- What are the criteria used to allocate patients from TMUs to the HPs?</li> <li>- Do you reallocate the patients to other HPs? If so, how?</li> <li>- Do you move the existing patients to other HPs during disasters? If so, how?</li> </ul>			
	<i>Integrated ambulance system</i>		<ul style="list-style-type: none"> <li>- Director of Phuket Provincial Public Health Office</li> <li>- Head of evacuation services</li> </ul>	<ul style="list-style-type: none"> <li>- Number of ambulances</li> <li>- Percentage of other modes of transport during Tsunami and boat capsizing</li> <li>- Actual transportation time during Tsunami and boat capsizing</li> </ul>	<ul style="list-style-type: none"> <li>- Internal HPs</li> <li>- CMOs</li> <li>- Phuket Provincial Public Health Office</li> </ul>
	Past activities	Current activities			
	<ul style="list-style-type: none"> <li>- What organisations could provide the ambulances for patient transportation?</li> <li>- Could you request the additional ambulances?</li> <li>- Were the ambulances from HPs required to transport patients to the HPs where the ambulances belong to?</li> </ul>	<ul style="list-style-type: none"> <li>- What organisations can provide the ambulances for patient transportation?</li> <li>- Can you request the additional ambulances?</li> <li>- Are the ambulances from HPs required to transport patients to the HPs where the ambulances belong to?</li> </ul>			

<sup>1</sup>It is the activities of collaboration in an emergency medical response that was implemented during Tsunami in 2004.

<sup>2</sup>It is the current activities of collaboration in an emergency medical response that were in place in boat capsizing in 2018 and will be implemented in future mass casualty incidents/disasters.

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	<ul style="list-style-type: none"><li>- Did the ambulances transport patients to one HP each trip? Or multiple HPs for one trip?</li><li>- Were patients transported to HPs by other modes of transport? (i.e. private care, taxi, etc.)</li></ul>	<ul style="list-style-type: none"><li>- Do you make multiple visits for a one-trip ambulance?</li></ul>	<ul style="list-style-type: none"><li>- Director of Phuket Provincial Public Health</li><li>- Head of evacuation services</li></ul>	<ul style="list-style-type: none"><li>- Travel time between PAPs/TMUs and HPs as well as among HPs</li></ul>	<ul style="list-style-type: none"><li>- Google map</li></ul>	
	<i>Combination of patient categories in one ambulance</i>					
	<div>Past activities</div> <ul style="list-style-type: none"><li>- Did you combine the different patient categories in one ambulance? If so, How?</li></ul>	<div>Current activities</div> <ul style="list-style-type: none"><li>- Do you combine the different patient categories in one ambulance? If so, How?</li></ul>		<ul style="list-style-type: none"><li>- Number of (multiple category) patients for a one-trip ambulance</li></ul>	<ul style="list-style-type: none"><li>- Phuket Provincial Public Health Office</li><li>- CMOs</li></ul>	
Flow of medical staff	<i>Flow of internal medical staff</i>		<ul style="list-style-type: none"><li>- Head of EMS centres</li><li>- Head of nursing</li><li>- Director of Phuket Provincial Public Health Office</li></ul>	<ul style="list-style-type: none"><li>- Number of medical staff in internal HPs</li><li>- Minimum number of internal medical staff from hospitals are required to be allocated to EMS/TMUs during disasters</li><li>- Minimum number of internal medical staff from EMS are required to be allocated to TMUs</li><li>- Number of internal staff allocated to each internal HPs during Tsunami and boat capsizing</li></ul>	<ul style="list-style-type: none"><li>- Internal HPs</li><li>- Phuket Provincial Public Health Office</li></ul>	
	<div>Past activities</div> <ul style="list-style-type: none"><li>- How many facilities were the internal medical staff assigned to?</li><li>- What were the criteria used to allocate the internal medical staff to each facility?</li><li>- Did you reallocate the medical staff after they being transported to one facility? If so, why? And where did you re-allocate them to?</li></ul>	<div>Current activities</div> <ul style="list-style-type: none"><li>- How many facilities are the internal medical staff assigned?</li><li>- What are the criteria used to allocate the internal medical staff to each facility?</li><li>- Do you reallocate the medical staff to other facilities? If so, how?</li><li>- In general, how do you transport the internal medical staff to each facility? (by ambulances?)</li></ul>				
	<i>Flow of external medical staff</i>					
	<div>Past activities</div> <ul style="list-style-type: none"><li>- When did the external medical staff arrive the affected network?</li><li>- What were the criteria used to allocate the external medical staff to each facility?</li></ul>	<div>Current activities</div> <ul style="list-style-type: none"><li>- What are the criteria used to allocate the external medical staff to each facility?</li><li>- In general, please prioritise the facility locations for the allocation of external medical staff? (to EMS centres, TMUs, hospitals)</li></ul>	<ul style="list-style-type: none"><li>- Director of Phuket Provincial Public Health Office</li></ul>	<ul style="list-style-type: none"><li>- Number of external medical staff from other healthcare networks during Tsunami and boat capsizing</li><li>- Maximum number of external medical staff can be allocated to each facility</li><li>- Number of external medical staff allocated to each internal HPs during Tsunami and boat capsizing</li></ul>	<ul style="list-style-type: none"><li>- Phuket Provincial Public Health Office</li></ul>	

Topic	Interview questions	Interviewee(s)	Quantitative data	Data sources				
Flow of other healthcare resources	<i>Flow of field beds for PAPs/TMUs setting</i>		- Number of field beds/mattresses prepared for mass casualty incidents/disasters - Number of additional field beds/mattresses	- Phuket Provincial Public Health Office				
	<table><tr><th>Past activities</th><th>Current activities</th></tr><tr><td><ul style="list-style-type: none"><li>- Did you prepare the field beds for PAP setting before an occurrence of disasters? If so, what was the plan?</li><li>- Where did the field beds come from?</li><li>- What were the criteria used to allocate the field beds to PAPs?</li><li>- Were you supplied the additional beds by other healthcare network during disasters? If so, when did they arrive the affected network?</li><li>- Did you reallocate the field beds among PAPs during disasters? If so, why? And where did you re-allocate them to?</li></ul></td><td><ul style="list-style-type: none"><li>- Do you prepare the field beds for the TMU setting before an occurrence of disasters? If so, what is the plan?</li><li>- Where do the field beds come from?</li><li>- What are the criteria used to allocate the field beds to TMUs?</li><li>- Do you have any contingency plans to increase the field beds during disasters? If so, what is the plan?</li><li>- Do you reallocate the field beds among TMUs during disasters? If so, how?</li></ul></td></tr></table>	Past activities			Current activities	<ul style="list-style-type: none"><li>- Did you prepare the field beds for PAP setting before an occurrence of disasters? If so, what was the plan?</li><li>- Where did the field beds come from?</li><li>- What were the criteria used to allocate the field beds to PAPs?</li><li>- Were you supplied the additional beds by other healthcare network during disasters? If so, when did they arrive the affected network?</li><li>- Did you reallocate the field beds among PAPs during disasters? If so, why? And where did you re-allocate them to?</li></ul>	<ul style="list-style-type: none"><li>- Do you prepare the field beds for the TMU setting before an occurrence of disasters? If so, what is the plan?</li><li>- Where do the field beds come from?</li><li>- What are the criteria used to allocate the field beds to TMUs?</li><li>- Do you have any contingency plans to increase the field beds during disasters? If so, what is the plan?</li><li>- Do you reallocate the field beds among TMUs during disasters? If so, how?</li></ul>	- Director of Phuket Provincial Public Health Office
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<i>Sharing of other healthcare resources</i>								
<table><tr><th>Past activities</th><th>Current activities</th></tr><tr><td><ul style="list-style-type: none"><li>- Did EMS centres share any things among them? Or completely worked independently?</li><li>- Did internal HPs share other resources during disasters? If so, what were they? How to share?</li><li>- Did other healthcare networks share other resources? If so, what were they?</li><li>- What were the criteria used to allocate the other resources to each facility?</li></ul></td><td><ul style="list-style-type: none"><li>- Do EMS centres share any things among them during disasters?</li><li>- Are other resources shared among internal HPs? If so, how?</li><li>- Do you have any contingency plans to increase other resources during disasters?</li></ul></td></tr></table>	Past activities	Current activities	<ul style="list-style-type: none"><li>- Did EMS centres share any things among them? Or completely worked independently?</li><li>- Did internal HPs share other resources during disasters? If so, what were they? How to share?</li><li>- Did other healthcare networks share other resources? If so, what were they?</li><li>- What were the criteria used to allocate the other resources to each facility?</li></ul>	<ul style="list-style-type: none"><li>- Do EMS centres share any things among them during disasters?</li><li>- Are other resources shared among internal HPs? If so, how?</li><li>- Do you have any contingency plans to increase other resources during disasters?</li></ul>	- Head of EMS centres - Director of Phuket Provincial Public Health Office	- Number of ... <i>(regarding the data obtained in the interview)</i> shared in the network during Tsunami and boat capsizing  - EMS centres - Phuket Provincial Public Health Office		
Past activities	Current activities							
<ul style="list-style-type: none"><li>- Did EMS centres share any things among them? Or completely worked independently?</li><li>- Did internal HPs share other resources during disasters? If so, what were they? How to share?</li><li>- Did other healthcare networks share other resources? If so, what were they?</li><li>- What were the criteria used to allocate the other resources to each facility?</li></ul>	<ul style="list-style-type: none"><li>- Do EMS centres share any things among them during disasters?</li><li>- Are other resources shared among internal HPs? If so, how?</li><li>- Do you have any contingency plans to increase other resources during disasters?</li></ul>							
Deviation in clinical practices	<ul style="list-style-type: none"><li>- What are duties and practices of PAPs/TMUs/HPs (EMS centres and hospitals)/CMOs?</li><li>- Can medical staff from different HPs work interchangeably?</li><li>- Are the ambulances among HPs / between HPs and CMOs different in terms of evacuation services/quality?</li></ul>	- Head of EMS centres - Head of evacuation services - Director of Phuket Provincial Public Health Office	- None	- None				
Staff assignment to ambulance trip	<ul style="list-style-type: none"><li>- How many medical staff are presenting on the ambulance?</li><li>- Are the medical staff presenting on the ambulance necessary to be the staff in which the ambulance belong to?</li></ul>	- Head of EMS centres - Head of emergency departments	- Number of required staff for a one-trip ambulance - Ambulance capacity for staff transportation - Number of FRs from CMOs	- Internal HPs - CMOs				

Topic	Interview questions	Interviewee(s)	Quantitative data	Data sources
Treatments	<ul style="list-style-type: none"> <li>- How many resources are required for a treatment of different patient categories?</li> <li>- How long does the treatment take for different patient categories?</li> <li>- Are the field beds or emergency beds reserved for severe-injured patients only?</li> </ul>	<ul style="list-style-type: none"> <li>- Head of EMS centres</li> <li>- Head of emergency departments</li> <li>- Head of nursing</li> <li>- Director of Phuket Provincial Public Health Office</li> </ul>	<ul style="list-style-type: none"> <li>- Number of resources required for a treatment of different categories</li> <li>- Treatment time required for different patient categories</li> <li>- Waiting time, treatment time at internal and external HPs during Tsunami and boat capsizing</li> <li>- Length of stay during Tsunami and boat capsizing</li> <li>- Waiting time at HPs between 1<sup>st</sup> of January and 31<sup>st</sup> of December 2019</li> </ul>	<ul style="list-style-type: none"> <li>- Internal HPs</li> </ul>