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INSTITUTE OF AVIATION MEDICINE

# **AERO MEDICAL EVACUATION IN THAI FLOODS 2011**



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- **Severe flooding occurred during the 2011 monsoon season in Thailand.**
- **Beginning at the end of July triggered by the landfall of tropical storm Nock-ten.**
- **In October floodwaters reached the mouth of the Chao Phraya and inundated parts of the capital city of Bangkok.**



|                           |                                      |
|---------------------------|--------------------------------------|
| <b>Duration:</b>          | <b>25 July 2011 – 16 Jan 2012</b>    |
| <b>Area affected:</b>     | <b>7,700 square miles</b>            |
| <b>Fatalities:</b>        | <b>815 deaths</b>                    |
| <b>Damages:</b>           | <b>45.7 Billion US\$</b>             |
| <b>Province affected:</b> | <b>65 of Thailand's 77 provinces</b> |



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Chiangmai  
Nakornratchasima  
Korngan  
Ubon  
Udon  
Songkla  
Nakornpathum  
chonburi

**We move the patient from remote area to the central hospital**





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# In October 2011





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# SAVE THE PATIENTS





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# Decision to Evacuate





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# Destination Sites





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# Patient statistics throughout the mission

## 84 FLIGHT

## 313 CASE





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สถิติการลำเลียงผู้ป่วยทางอากาศเหตุการณ์มหาอุทกภัย ๕๔ ศลพ.สวบ.ทอ.



C130



8 Flight: 146 Pts.



CASA



35 Flight: 113 Pts.



41 Flight: 44 Pts.

รวมทั้งสิ้น ๘๔ เที่ยวบิน ผู้ป่วย ๓๑๓ ราย

# Unpredicted type of air craft



# Combine of medical team



# patient with medical equipment





## Limitations







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The primary goal of AE medical transport is to **meet the perceived, actual, or potential health needs of the patient,** while maintaining the continuum of care.



# What do we do for future preparedness?



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## **SUGGESTION I**

Expand and share the knowledge and philosophy of aeromedical evacuation to all sectors , military and civil through various courses held by IAM



# What do we do for future preparedness?



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## **SUGGESTION II**

Establish /participate in joint exercises in disaster relief operations both national and international levels to exchange and share expertise knowledge.



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***Thank you.***