




**PROGRESS OF PAROS**


**CHORAY HOSPITAL**  
*Ho Chi Minh City, VIETNAM*  
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**Outline**




1. About Emergency Department (ED) at Cho Ray Hospital
2. PAROS progress from Mar 2015 to Nov 2015
3. Advantages of Emergency Medical Services (EMS)
4. Disadvantages / limitations of EMS
5. Suggestions on improvement
6. Conclusions



## 1. About us

### Emergency Department – Cho Ray Hospital


- Biggest hospital in the South of Vietnam.
- Receiving patients from all the hospitals of 17 provinces, cities of the south of Vietnam
- ~ 300 patients per day.
- Including trauma and non-trauma cases.



## 1. About us

### EMS in Ho Chi Minh city

- Hotline : 115
- Head: “Emergency center 115 of Ho Chi Minh city”
- Instant helps from 35 hospitals EM call center with EM responses.
- Ambulance: 01 doctor + 2 nurses + 01 driver

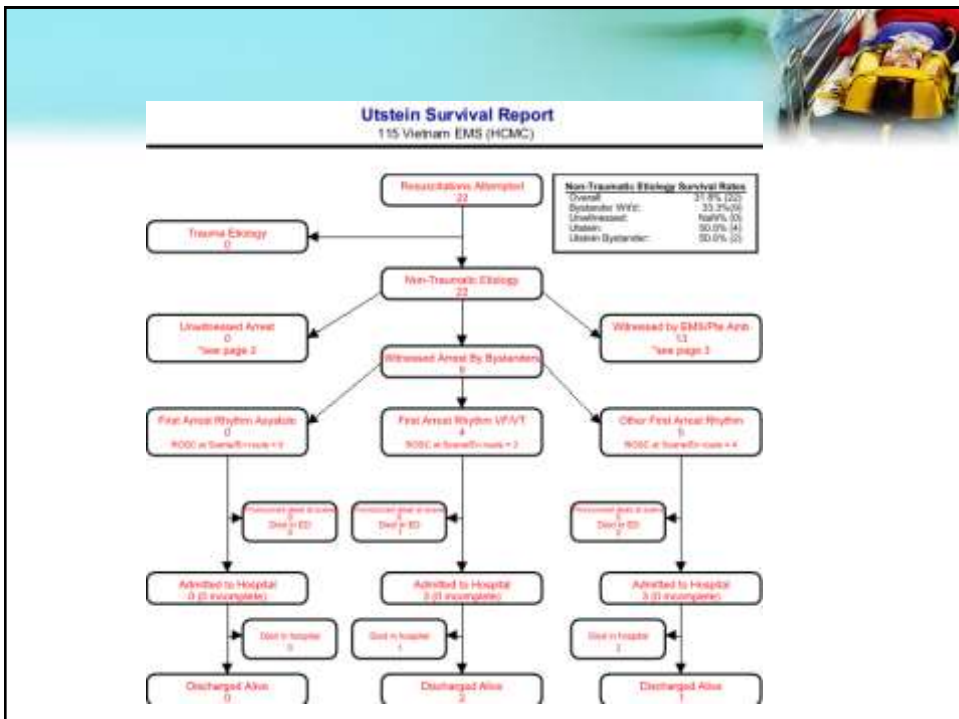
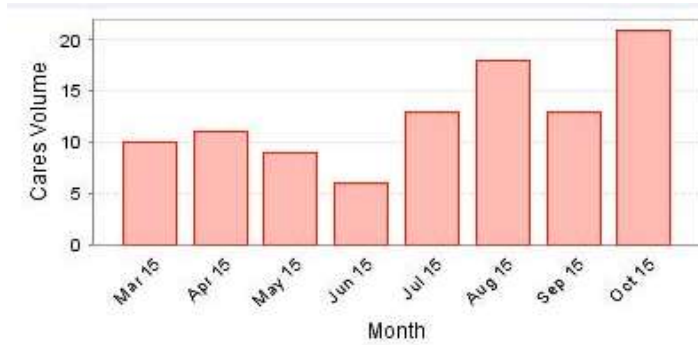


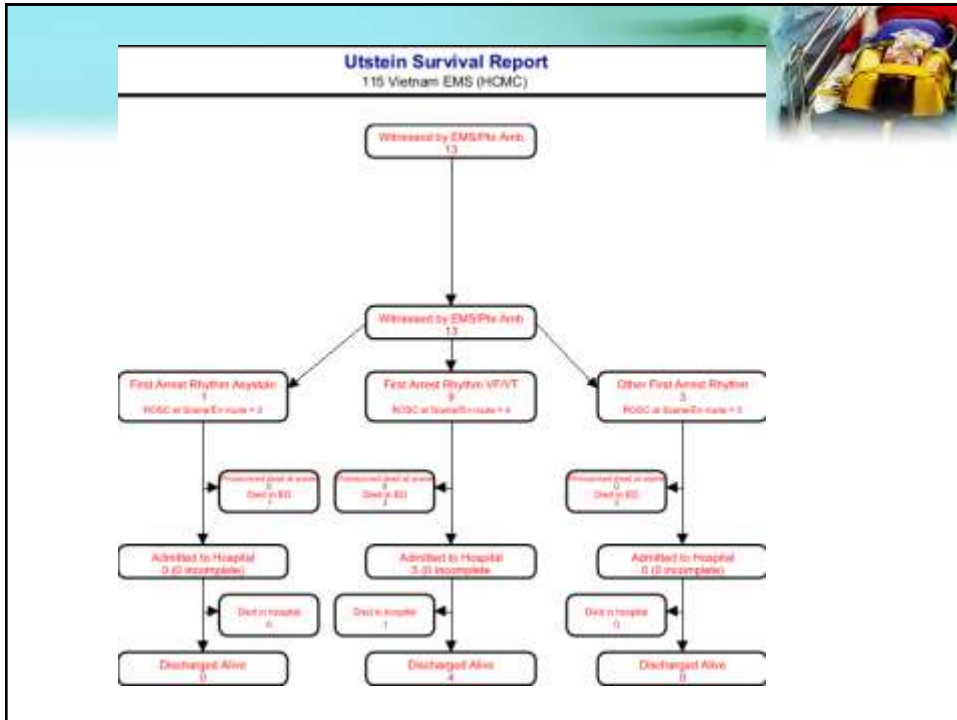


## 2. PAROS progress



From Mar 2015 to Nov 2015: **101** cases





## Statistics

- Resuscitations attempted rate :21%
- Witnessed by EMS of resuscitations attempted: 60%
- Discharged alive of Resuscitation attempted: 7%
- 57% of Discharged Alive witnessed by EMS
- 85% of Discharged Alive had First arrest rhythm VF/VT



### 3. Advantages



- Large number of patients admitted to ED
- ECG monitor and defibrillation device in ambulance helps determine exactly patients' rhythm which play important role in collecting data.
- Ambulance fully equipped with pneumo-oxygenator and intubation tube.



### 4. Disadvantages



- Lack of automated external defibrillator (AED) in public areas except airports.
- No mechanical CPR device.
- Lack of observation to patients who survived
- Lack of CPR education for family members
- Insufficient data on collection: pre-hospital or timing
- Transportation system is improving but still inconvenient, that leads to delay on EMS. No helicopter is equipped for EMS.



## 5. Suggestions



- Open classes for raising the awareness of cardiac arrest and CPR broadly in public for non-medical-people
- Equip more AEDs and provide training how to use them.
- Increase observation to patients and record data accordingly



## 6. Conclusions



- PAROS is an effective study which help evaluate our pre-hospital care
- Keep joining PAROS with the hope of improving our young EMS in Ho Chi Minh City.
- In 6 months the case number is expectedly increased up to 150 cases.



# THANK YOU

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