

- Overview:
 - An overview of the department
 - Current Ambulance Service
 - Future Ambulance Service

National Ambulance Service Qatar

• The EMS department is the front line of health care in the State of Qatar

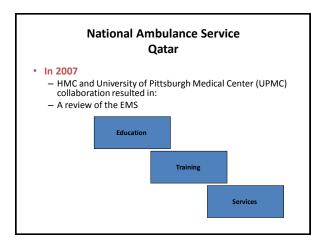
Vision

To provide a national service that places Qatar among leaders of pre-hospital professionals around the world

National Ambulance Service Qatar

EMS Standard of Care

- The Department complies with the United States Department of Transportation EMS curriculum guidelines
- All staff who complete HMC EMS training are eligible to take the US registration exam for Emergency Medical Technician – Basic



- In 2008
 - EMS Restructure Project was presented to HMC hoard
 - · Review of vision
 - Review of strategic plan
 - Review of organization structure
 - Review of manpower allocation
 - Review of recruitment and retention factors

National Ambulance Service Qatar

- HMC Ambulance Service (HMCAS)
 - Service provides prehospital emergency care (both ground ambulance and air ambulance) and interfacility transfer services within the borders of the State of Qatar, and occasionally beyond

National Ambulance Service Qatar

- HMC Ambulance Service (HMCAS)
 - In keeping with HMC's mandate, these services are provided free of charge to all the people of Qatar, whether resident or visiting
 - The Ambulance Service integrates with primary, secondary, tertiary and ongoing care services as described National Health Strategy 2011-2016

- HMC's Ambulance Service aspires to be:
 - A clinically led, high-performance ambulance service providing high-quality prehospital emergency care and interhospital/facility transport for the people of Qatar

National Ambulance Service Qatar

- The national ambulance service of the State of Qatar (±1.9M people; 85% in Doha)
- Current workforce establishment comprises 1021 staff from 25 countries

National Ambulance Service Qatar

- An ambulance service's primary role is to:
- Respond to patients requiring emergency care
- -Stabilise them by delivering clinically effective care
- Transport them to an appropriate health care facility

National Ambulance Service Qatar

- High-quality prehospital care therefore has two main components:
 - ACCESS the degree to which patients receive the right level of care within an appropriate time
 - EFFECTIVENESS the degree to which the clinical care delivered (including onward referral) is clinically effective and improves patient outcome

- Infrastructure:
 - Headquarters building incorporating a training centre, administration and stores
 - Communications Centre within the Ministry of Interior (MOI) National Command Centre (NCC)
 - Workshops in the Industrial Area and Al Khor
 - LifeFlight Base in top of Hamad General Hospital car park

Infrastructure

 6 Hub Stations with 29 Dispatch Points in a 'Hub and Spoke' arrangement

Clinical Model





- Developed on the basis of evidenced based practice.
- Supported by revised Scopes of Practice and Clinical Guidelines.
- Audited by comprehensive quality measurement and improvement system.

LifeFlight Deployment

- +/- 800 missions per year
- treated +/- 500 per year
- transported +/- 300

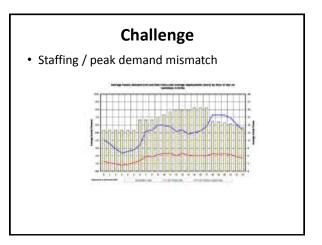
Dispatch matrix

- Patient transporting vehicles have priority
- Getting to the scene vs. getting to the patient
- Where can a CCP make a difference?

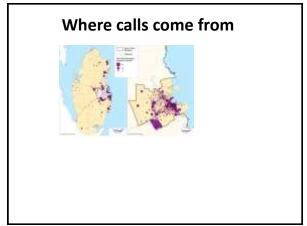
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Dispatch Response Process The state of the

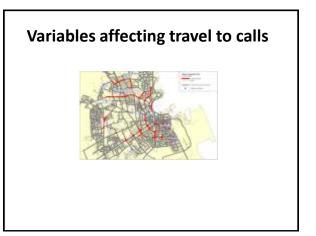
When do we need them? • Late morning & mid evening peaks **Aueroge Downed by Hoot of the Day and flouporese Pricerty. **Jahr Thesis** **Jagent*** **Transport** **Transport** **Transport**











Hub and spoke clustering



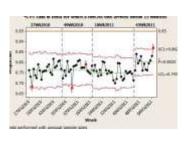


Optimum locations





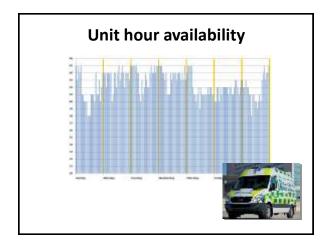
Response times

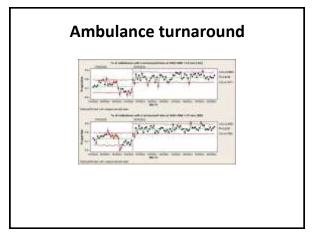


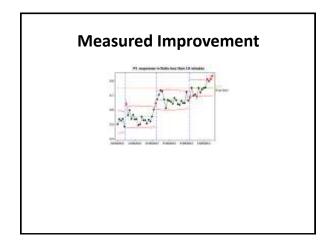
National Health Strategy response targets

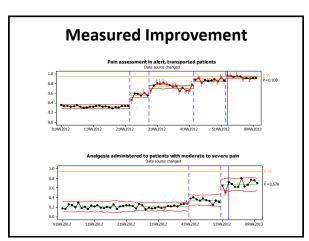
- **75%** of life-threatened patients in urban areas should receive an ambulance within 10 min.
- **75%** of life-threatened patients in rural areas should receive an ambulance within 15 min.

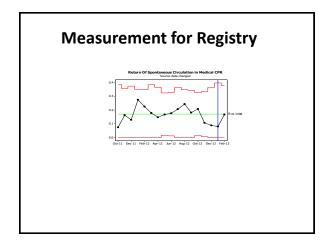
95% percentiles also reported

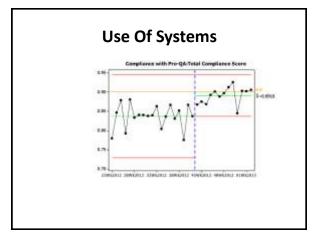














Design features • Very small ground space required - Approximately 100m²

2 Unit Location



Removable / Temporary



Removable / Temporary

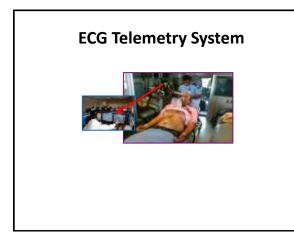


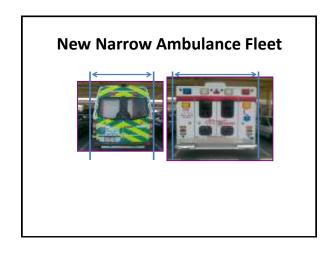
Compact Design



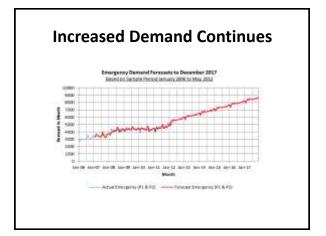








Future developments



Invest in Human Resources

National Ambulance Service Qatar

- We will work towards this by:
 - Implementing an effective clinical model based on research evidence and expert consensus

"Doing the Right Thing Right"

- We will work towards this by:
- Working with our healthcare partner to develop seamless patient pathways

"From the Roadside to Recovery"

National Ambulance Service Qatar

- We will know we have achieved this when:
 - We have an established process for engaging with or patients and clients and use this inform our planning
 - We have a robust system for identifying the resources required for a particular patient and are able to get those resources to the patient within an acceptable time
 - We have a **robust quality improvement system** in place and are able to evidence improvement in the quality of care delivered to patients

In October - 2011

- Hamad Medical Corporation's (HMC) Ambulance Service has received accreditation from the Joint Commission International (JCI)
- With this achievement, the Ambulance Service, formerly known as Emergency Medical Services, becomes the first in the region - and the first national ambulance service - to be accredited by the JCI
- HMC's Ambulance Service would <u>also be the fifth</u> such service in the world to achieve JCI accreditation, as well as <u>the biggest ambulance service in the world</u> that has been assessed by the JCI