



Paramedic Response in Caledon

Town of Caledon Council

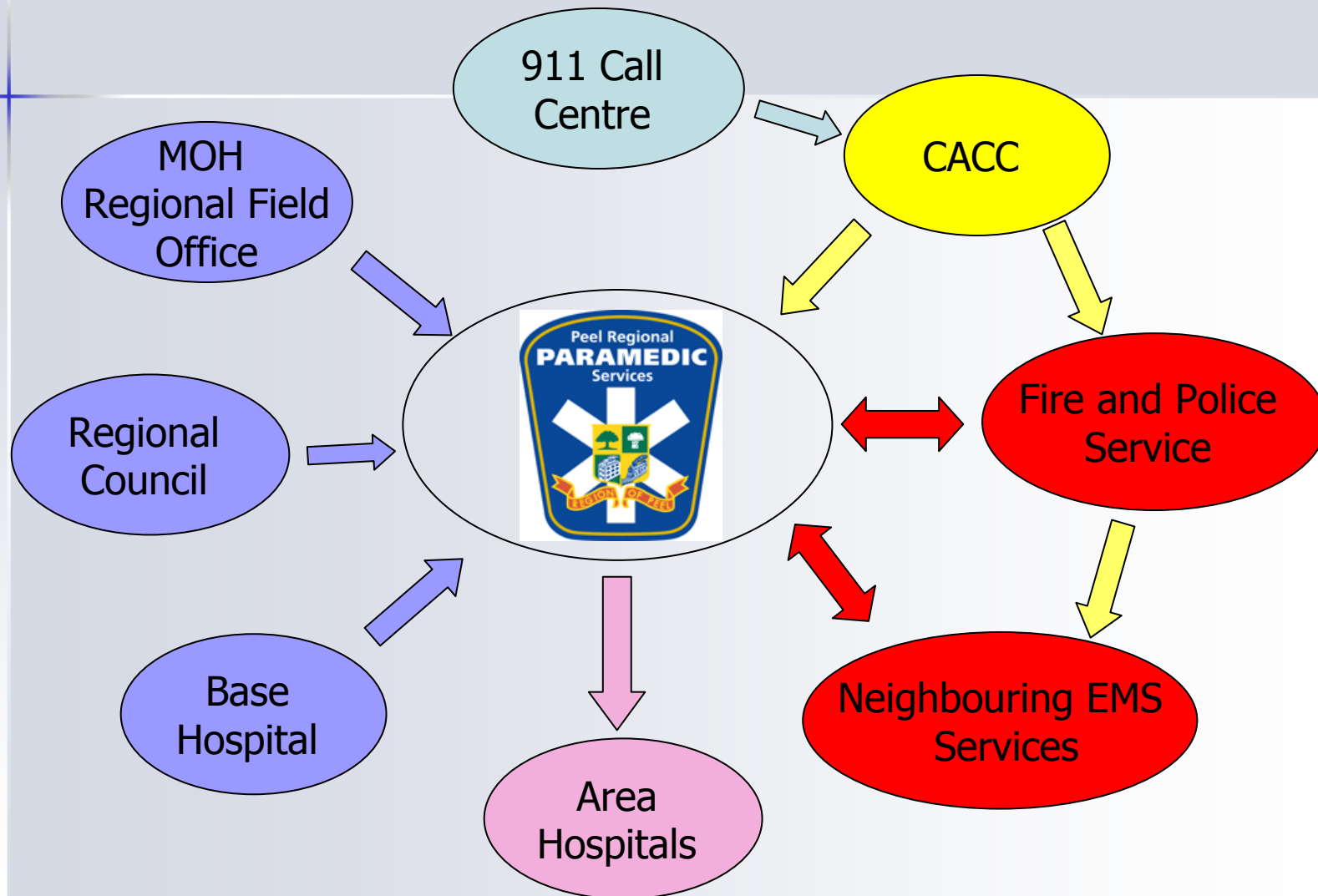
Peter F. Dundas
Chief

June 26, 2012



The Service

- 500 full and part time paramedics
 - Primary Care Paramedics
 - Advanced Care Paramedics
- 43 Ambulances and 8 Rapid Response Units during peak time
- 324,000 service hours provided
- 88,000 calls for service



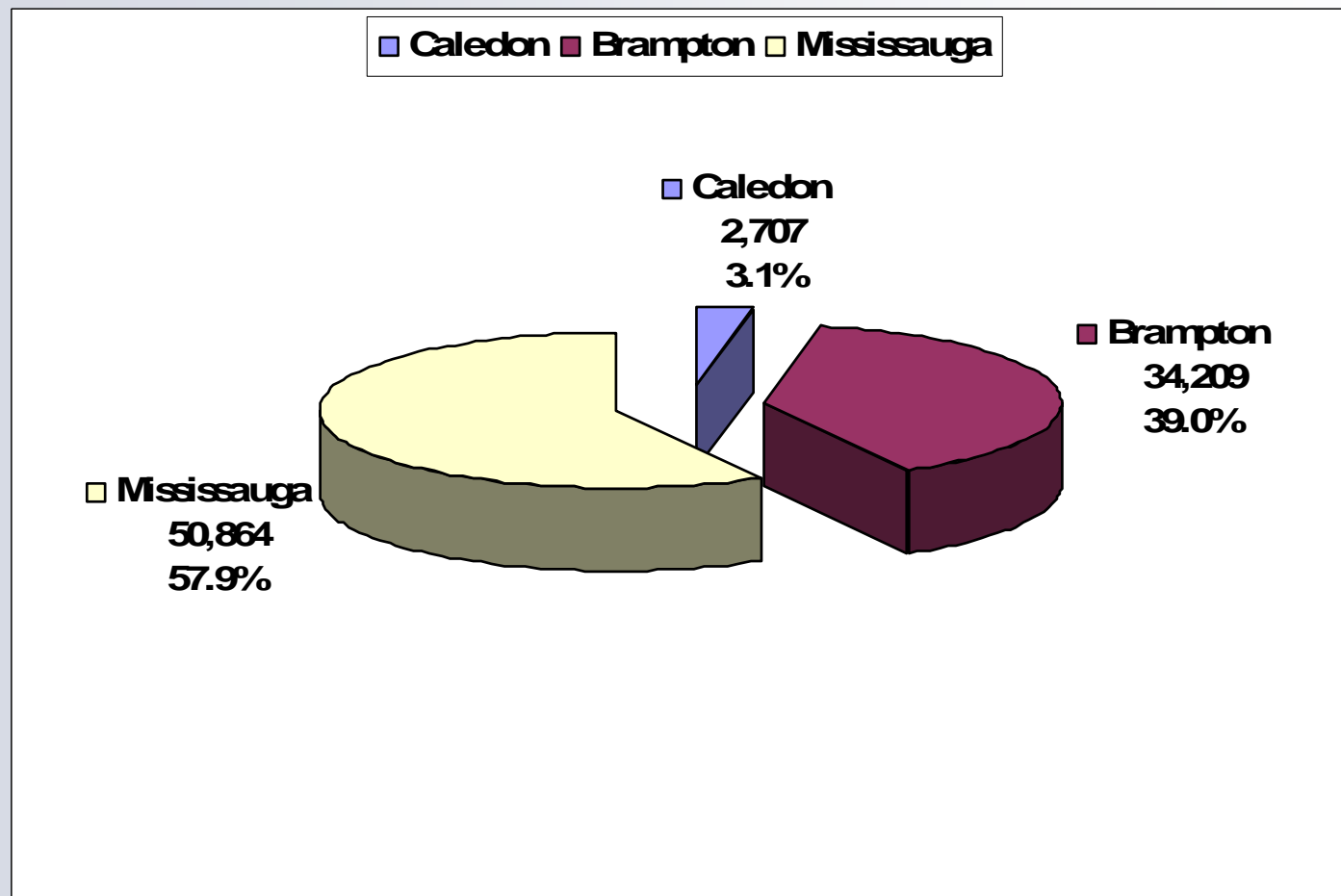


The System in 2011

- 87,780 total events where people call for service (~240 calls/day)
- 68,548 are dispatched as life threatening
- 5,898 (7%) are returned as life threatening

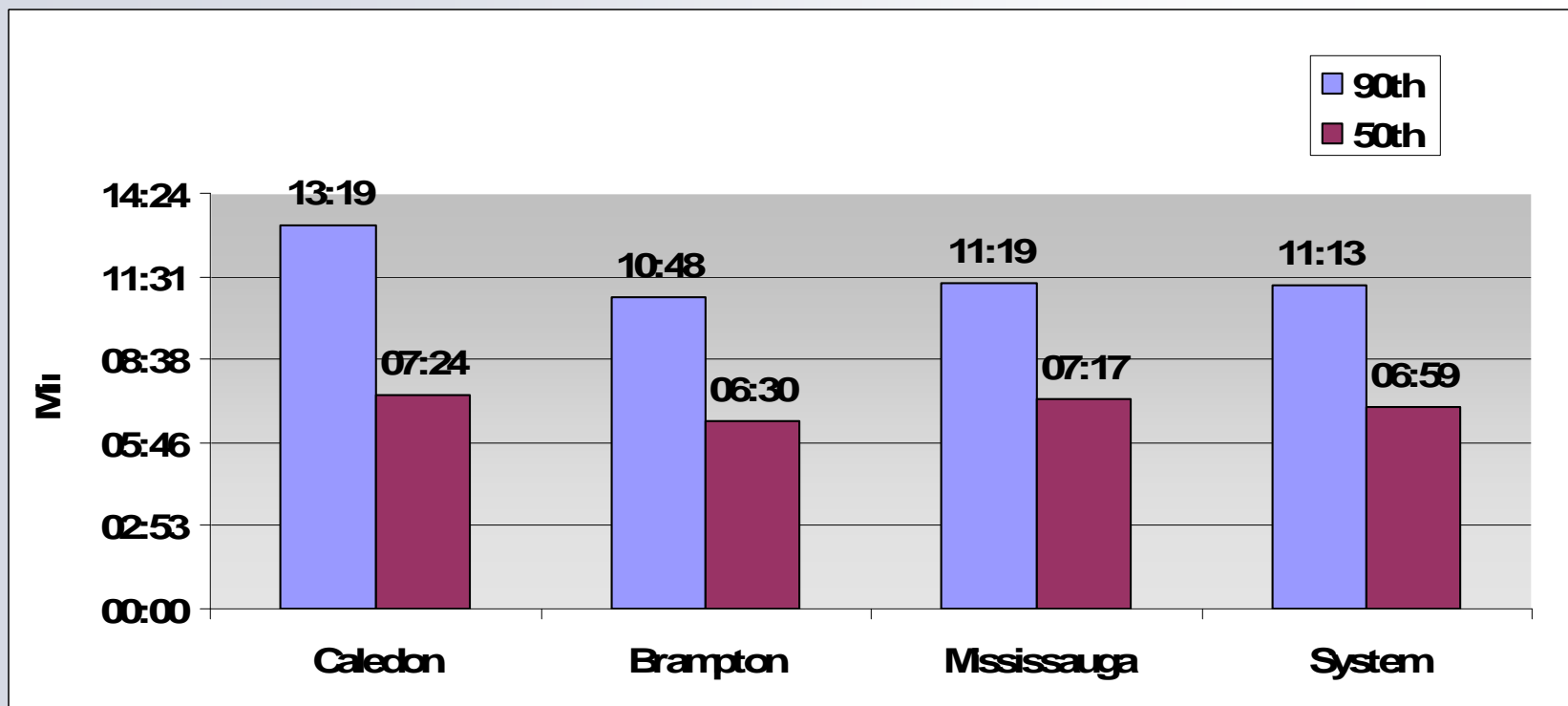


2011 Call Volume Distribution



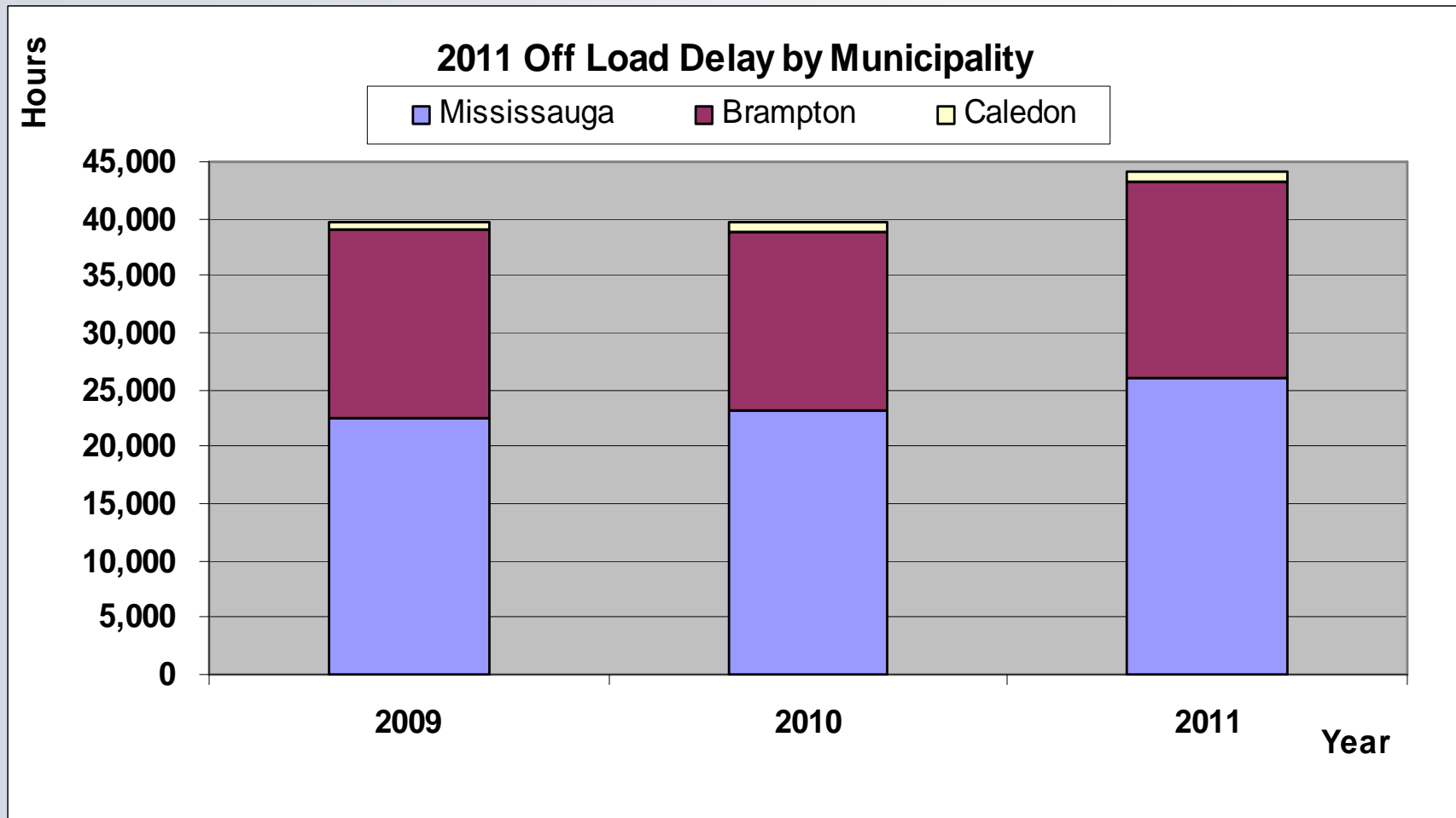


2011 Response Time by Municipality





Paramedic Offload Delay





What happened in Caledon

- 2,707 total events where people call for service (~7 calls/day)
- 2,082 dispatched as life threatening
- 185 (9%) are returned as life threatening



Who services Caledon

- Peel services 80%
- Neighbouring services response:
 - Dufferin 15%
 - Halton 2%
 - York 2%
 - Simcoe 1%

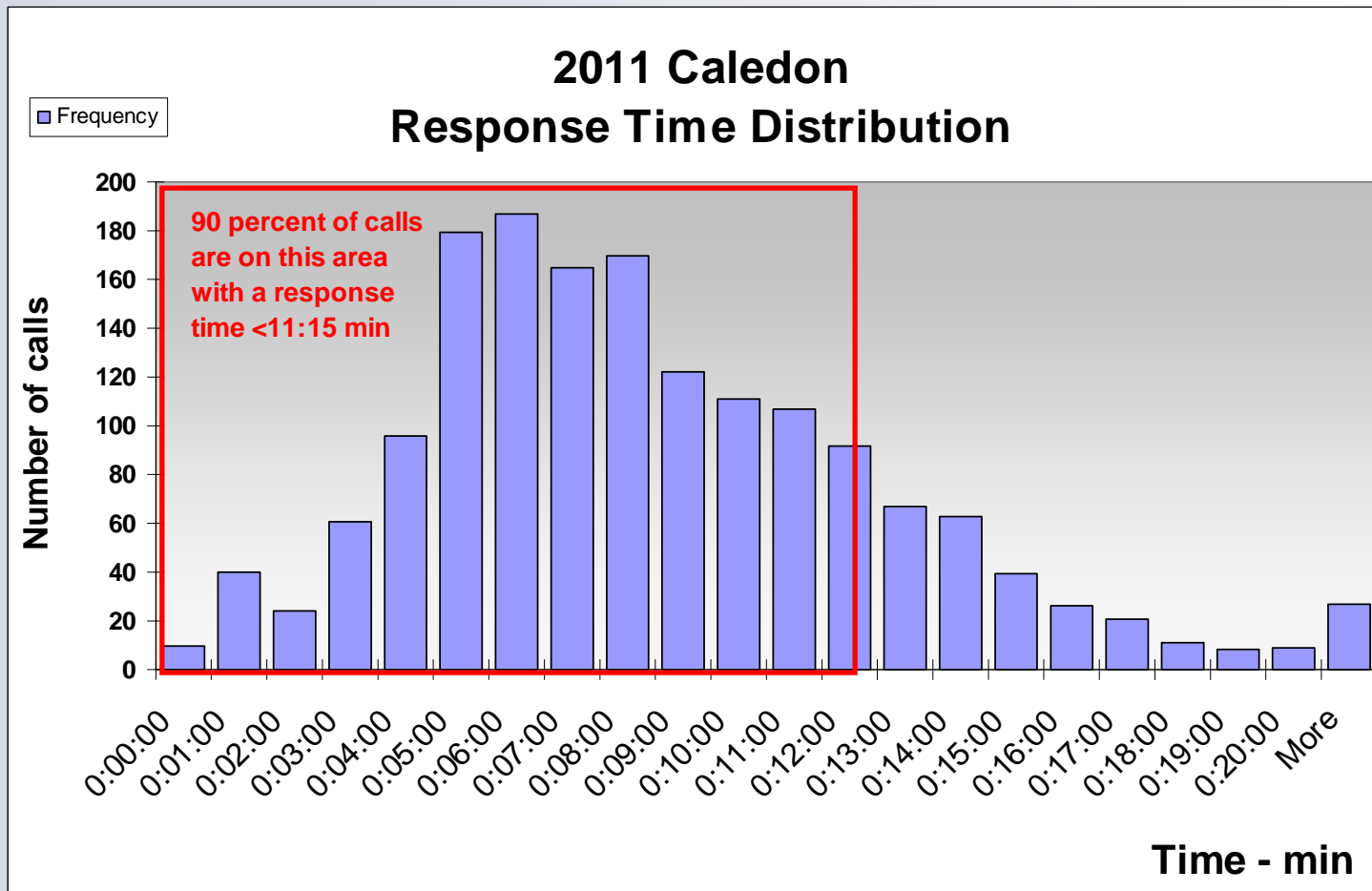


90th Response Times for Caledon - 2011

- Peel 13:05 minutes
- Dufferin 11:25
- York 21:28
- Halton 16:09
- Simcoe 6:43



What does response in Caledon look like in detail?





New Legislated Response Time Framework

- Upper or Single Tier authority to establish targets and submit to Ministry for each following year by October 31st
- 6 response levels based on time and percentile capture rate
 - for cardiac arrest and,
 - 5 Canadian Triage Acuity Scales (CTAS)
- Requires target be maintained or modified
- Retrospective reporting by March 31st of the following year
- Commences January 1, 2013



Acuity Definitions

Level of Acuity	Type of Call
Sudden Cardiac Arrest	Patient has no vital signs
CTAS 1	Critically ill or have potential for rapid deterioration
CTAS 2	Potential to life, limb or function, requiring rapid medical intervention, controlled acts
CTAS 3	May progress to serious problem. Associated with significant discomfort or affecting ability to function
CTAS 4	Conditions that would benefit from intervention or reassurance
CTAS 5	Non urgent, chronic, without evidence of deterioration



Recommendations

2013 Recommended Response Time Targets for Peel

Level of Acuity	% of Overall Volume in 2011	Time	Percentile %
Sudden Cardiac Arrest	1.2	6 minutes (fixed time)	70%
CTAS 1	2.4	8 minutes (fixed time)	75%
CTAS 2	17.3	10 minutes	90%
CTAS 3	46.3	13 minutes	90%
CTAS 4	7.2	14 minutes	90%
CTAS 5	1.9	14 minutes	90%



Research Trials

- ROC CCC (Continuous compressions vs. Standard CPR)
- ROC ALPS (Amiodarone vs. Lidocaine vs. Placebo in OOHCA)
- ICEPACS (Prehospital hypothermia in cardiac arrest)



Initiatives

- STEMI – Direct & In-Direct
- Stroke Protocol
- Community Referral by EMS (CREMS)
- Community Paramedicine



THANK YOU

