



# BOSTON EMERGENCY MEDICAL SERVICES



## 2014 VITAL STATISTICS

[www.cityofboston.gov/ems](http://www.cityofboston.gov/ems)

Boston Emergency Medical Services (Boston EMS), the primary emergency medical services provider for the City of Boston, is a nationally recognized leader in the field of pre-hospital emergency medicine. The Department leverages the latest advances in both medicine and technology to bring high-quality, compassionate care to the people of Boston. Boston EMS also plays a key role in the City's emergency preparedness efforts and provides community programming designed to educate the public about important health and safety topics.

Boston Land Area: 48 sq. miles      Daytime Population: ~1 Million      Budgeted FTEs: 377  
 Peak Staffing: 19 Basic Life Support/5 Advanced Life Support Ambulances      Number of Stations: 16

SYSTEM WIDE CALL VOLUME			
	2014	2013	Pct. Change
Total Clinical Incidents	120,013	116,637	2.89 % increase
Total ALS and BLS Unit Responses	135,040	142,341	5.13 % decrease
Total Transports	83,405	83,144	0.31 % increase

MEDIAN RESPONSE TIMES			
	2014	2013	Goals
Priority 1	6.4 min	5.9 min	6.0 min
Priority 2	8.1 min	7.4 min	7.0 min
Priority 3	8.6 min	8.0 min	8.0 min

INCIDENTS BY PRIORITY	NUMBER	PCT.
Priority 1	32,400	26.9%
Priority 2	53,031	44.2%
Priority 3	31,938	26.6%
Priority 4	2,644	2.20%
Total	120,013	100%

PERSONNEL	COUNT	PCT.
EMTs (Field/Dispatch)	244	64.7%
Paramedics	64	17.0%
Supervisor/Command	43	11.4%

INCIDENTS BY TYPE	NUMBER	PCT.
Illness (abdominal pain, fever, dizzy)	35,284	29.4%
Investigations ("man down", alarm)	25,848	21.5%
Injury (lacerations, fractures, etc.)	15,814	13.2%
Cardiac Related (unconscious, CPR, etc.)	11,213	9.3%
Respiratory (Asthma, CHF, etc.)	8,450	7.0%
Psychological/Suicidal	7,695	6.4%
Motor Vehicle (MVA, pedestrian)	5,852	4.9%
Neurological (CVA, seizures)	4,891	4.1%
Fire/ Hazmat/ Standby/ Environ.	2,340	2.0%
Trauma (penetrating injury, long fall, etc.)	1,249	1.0%
Overdose	1,377	1.2%
Total	120,013	100%

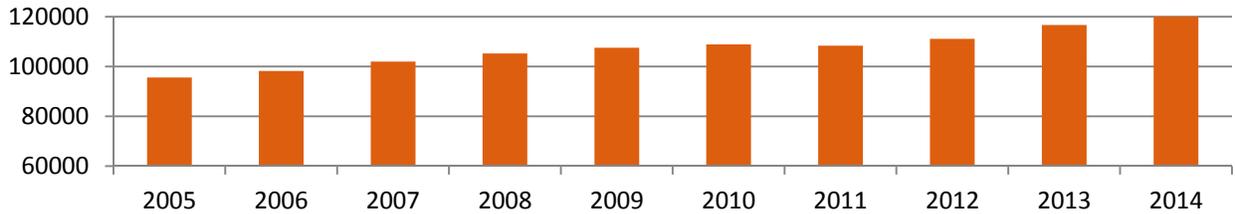
NEIGHBORHOOD	INCIDENTS	PCT.
Allston/ Brighton	6,601	5.5 %
Boston Central	31,678	26.4%
Charlestown	2,493	2.1%
East Boston	7,521	6.3%
South Boston	6,491	5.4%
Roxbury	17,672	14.7%
Dorchester	26,162	21.8%
Roslindale	3,714	3.1%
Jamaica Plain	4,933	4.1%
West Roxbury	3,040	2.5%
Hyde Park	4,407	3.7%
Mattapan	4,326	3.6%
Long Island*	315	0.3 %
Other	660	0.5 %
Total	120,013	100%

TRANSPORTS BY AGE	NUMBER	PCT.
Under 15	4,960	5.9%
15-24	10,596	12.7%
25-44	22,137	26.5%
45-64	27,997	33.5%
65-74	7,631	9.1%
75+	10,144	12.1%

\*Programs on Long Island were relocated after the bridge closure on October 8, 2014.

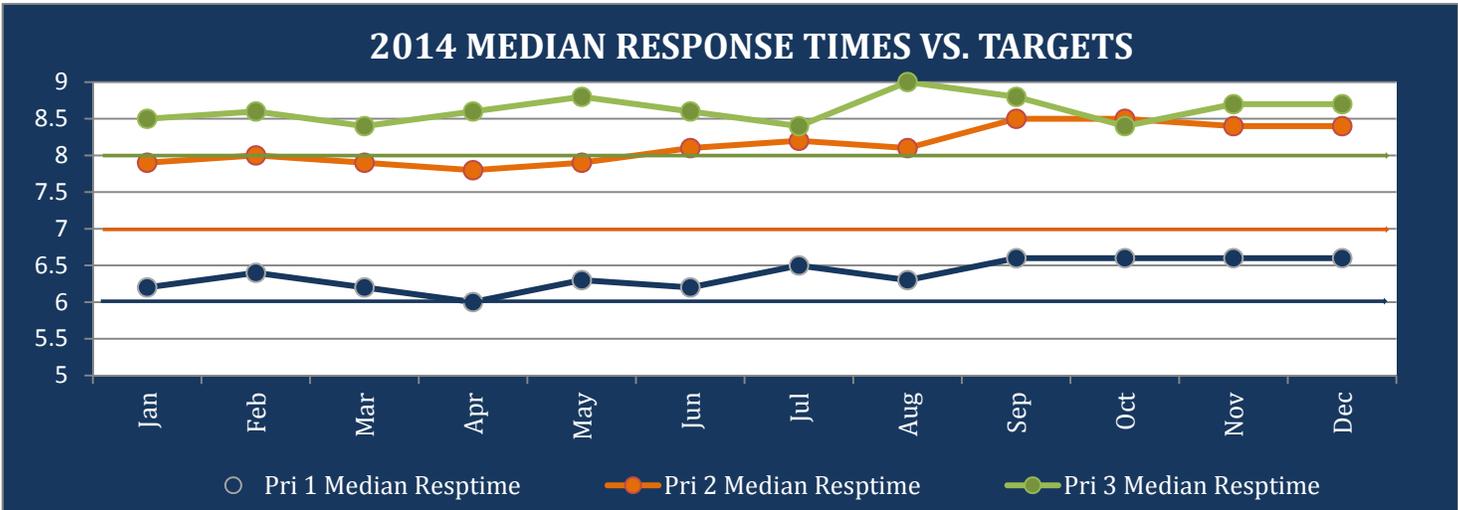
OTHER SYSTEM HIGHLIGHTS			
Overall Intubation Success Rate	96.7%	Individuals Taught CPR	2,172
# of Pts. Treated with CPAP	291	# Students Completed Boston EMS EMT Course	79
% Patients Rated Service as Excellent or Good	96.5%	Car Seat Check Program Families Served	298
New EMTs who Graduated from the Academy	20	Individuals Trained through DelValle Institute	2,231

### BOSTON EMS CLINICAL INCIDENTS BY YEAR

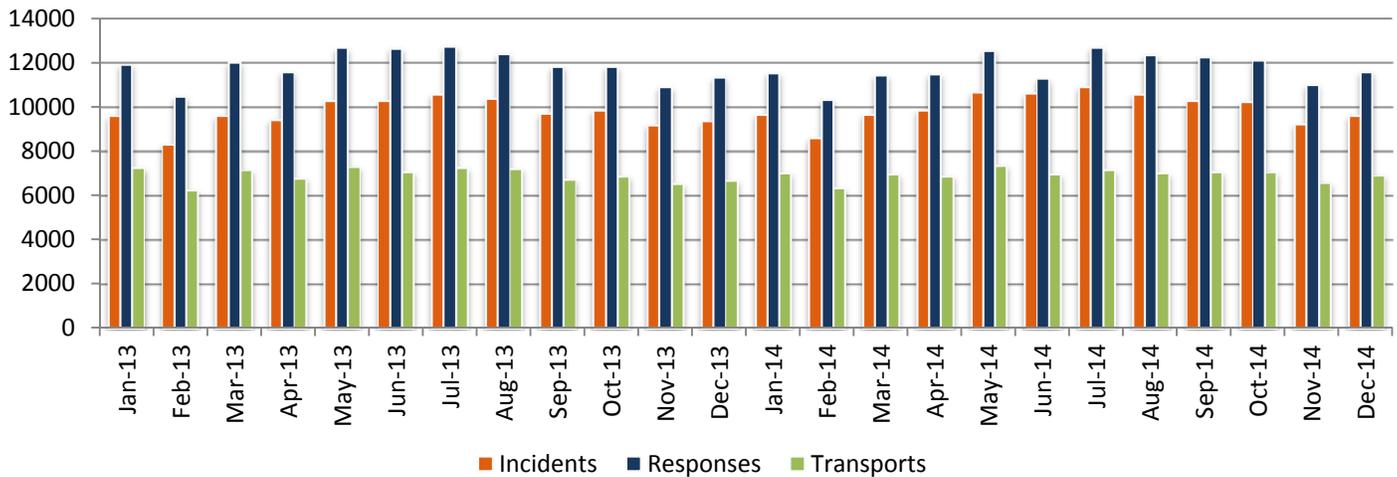


Boston EMS has seen a 26% increase in incidents over the last ten years.

### 2014 MEDIAN RESPONSE TIMES VS. TARGETS



### CLINICAL INCIDENTS, RESPONSES & TRANSPORTS BY MONTH



**Incident:** Any request for 9-1-1 emergency medical service, which generates a distinct entry in the Boston public safety Computer Aided Dispatch system. One incident may have multiple patients and/or yield multiple unit responses.  
**Response:** A response is generated for each EMS ambulance (ALS & BLS) assigned to an incident.  
**Transport:** Count of patient trips to hospital emergency departments via ambulance.