

# Emergency Medical Services (EMS)

Fund 10 • Division 20 • Department 63 • Program 205

## PROGRAM DESCRIPTION

The Emergency Medical Services (EMS) program is responsible to ensure the highest quality medical care is delivered to patients on emergency scenes by District responders.

## BUDGET SUMMARY

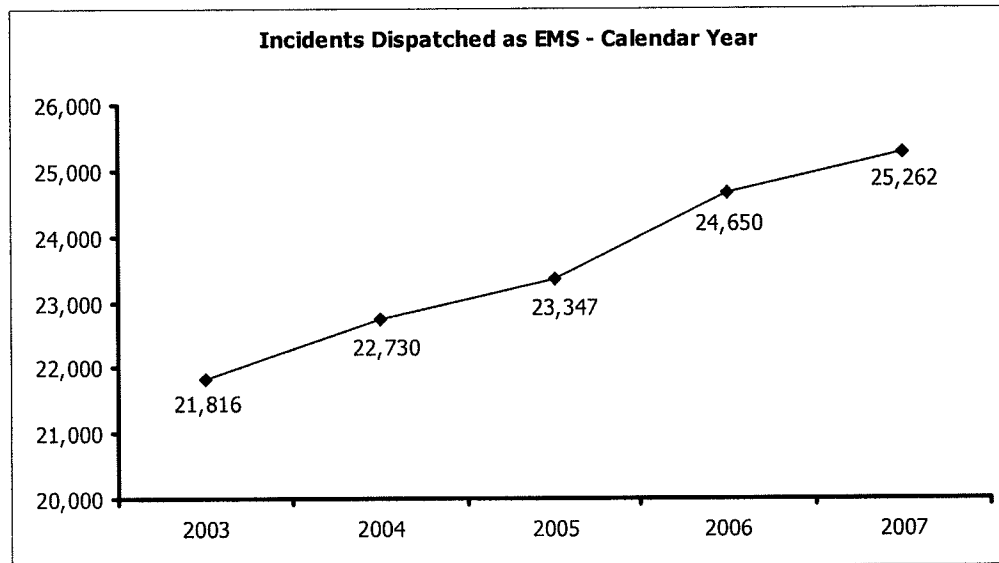
Expenditures	2005-06 Actual	2006-07 Actual	2007-08 Budget	2008-09 Budget
Personnel Services	\$296,281	\$440,265	\$462,894	\$488,285
Materials and Services	241,523	257,574	320,430	356,428
Total Expenditures	\$537,804	\$697,839	\$783,324	\$844,713

## PERSONNEL SUMMARY

Position	2005-06 Actual	2006-07 Actual	2007-08 Budget	2008-09 Budget
EMS Chief	1.00	1.00	1.00	1.00
EMS Officer	0.00	1.00	1.00	1.00
Total Full-Time Equivalents (FTE)	1.00	2.00	2.00	2.00

## 2008-09 SIGNIFICANT CHANGES

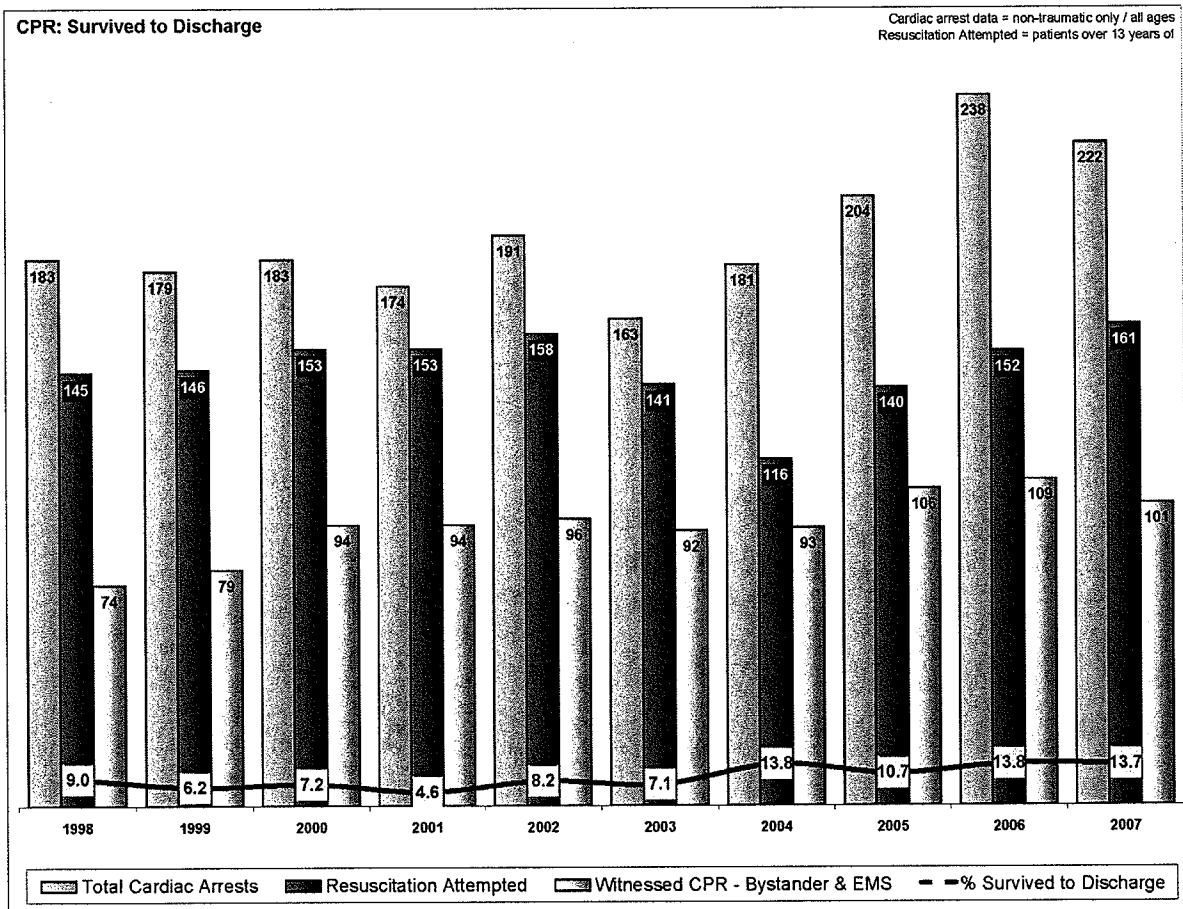
EMS Certification only happens every two years and accordingly, the 2008-09 budget is increased, as it is a recertification year.



**Emergency Medical Services, continued**

**SERVICE MEASURES (PREVIOUSLY SERVICE LEVEL OBJECTIVES)**

Service Measure	2004-05 Actual	2005-06 Actual	2006-07 Actual	2007-08 Estimated	2008-09 Projected
Patient Care Reports Written	14,224	14,713	16,050	16,913	17,420
Number of EMS Responses	23,347	24,650	25,262	26,020	26,800
Cardiac Arrest Survival Percent	11.8%	13.7%	13.3%	14.0%	14.0%



**2007-08 SERVICE MEASURES (PREVIOUSLY SERVICE LEVEL OBJECTIVES)**

- Continue effort to regionalize Online Medical Control (OLMC).

**Goal(s):** I, II, VII  
**Service Type(s):** Essential  
**Measured By:** Addition of protocols and contracts with regional OLMC.  
**Status or Outcome:** Active, with progress made. Presented historical data to Washington County EMS office. Multiple OLMC numbers being consolidated into one number. Requesting data points and performance measures be put in place, which duplicate regional OLMC.

- Establish (12-lead) Quality Improvement process with hospitals.

**Goal(s):** I, VI, VII  
**Service Type(s):** Essential  
**Measured By:** Establishing formal QI relationships with local cardiovascular labs that provide acute intervention for AMI victims.  
**Status or Outcome:** Portions complete. Remains active. QI relationship maturing with St. Vincent Catheterization Lab, with monthly meetings and sharing of data. Initial meeting held with MPH to establish EMS QI connection with plans to formalize in Washington and Clackamas Counties.

- Complete and publish results of HemCon study.

**Goal(s):** I, VI, VII  
**Service Type(s):** Essential  
**Measured By:** Documentation of final results and presentation of findings to journals for publication.  
**Status or Outcome:** Completed. Abstract accepted and poster presented at National Association of EMS Physicians Conference in January 2008. Plan to publish full article in EMS journal in 2008.

**2007-08 CHANGE STRATEGIES**

- Develop non-traditional AED partnerships to improve cardiac response system.

**Primary Goal:** VII  
**Budget Impact:** Resource Neutral  
**Key Tasks:**

- Establish partnership with Charbonneau officials and homeowner associations.
- Identify 24-hour response capability.
- Secure private funding of AEDs.
- Create system to alert responders.
- Secure agreements with responders.
- Administer training.
- Establish Q.I. and cardiac registry components.
- Implement program.
- Evaluate program components for possible application in other areas.

**Status or Outcome:** Ninety percent complete for Charbonneau. Remains active as future strategy. Verbal agreements established between Charbonneau mall office to house/use an AED during the daytime and with First Response Security services to pick up the AED during evening/night shift. WCCCA/FR dispatch component ready to implement upon AED placement. Consulting MPH Auxiliary for funding. Program being pursued with Clackamas County Sheriff's Office to provide additional AED response in Wilsonville.

## ***Emergency Medical Services, continued***

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### **2007-08 ADDITIONAL ACCOMPLISHMENTS**

- One single set of patient care protocols established for all Washington and Clackamas County EMS providers due to collaborative efforts lead by TVF&R.
- Completed specifications/bid to purchase two Medic units.
- Completed tenth year of Cardiac Registry with fourth continuous year of high number of survivors. Protocol and resuscitation decisions are data driven.
- Clackamas County System Enhancement funding provided AEDs for all Clackamas County schools (17 units to schools within TVF&R's service area); King Airways for six stations; printing of protocols for eight companies and; Cyanokits for treatment of cyanide poisoning.
- Upgraded electronic charting software to First on Scene product.

### **2008-09 SERVICE MEASURES**

- **Cardiac Campaign**

**Goal(s):** I, III, VII  
**Service Type(s):** Discretionary  
**Measured By:** Increased percentage of 9-1-1 use by patients experiencing heart attacks that require immediate care of hospital cardiac catheter lab (STEMI).

- **Cardiac Arrest Survival**

**Goal(s):** I  
**Service Type(s):** Discretionary  
**Measured By:** Sustained or improved percentage of survival of cardiac arrest patients.

### **2008-09 CHANGE STRATEGIES**

- **AED Partnerships** - Continue to develop non-traditional AED partnerships to improve cardiac response system.

**Goal(s):** I, VII  
**Budget Impact:** Resource Neutral  
**Duration:** Year 2 of 2  
**Budget Description:** Increase number of AED resources to be accessible before arrival of EMS responders.  
**Partner(s):** WCCCA, CCOM, law enforcement, security companies, citizen organizations

- **Medical Supply Co-operative System Upgrade:** Participate in Washington County EMS system upgrade to integrate fire agency response and improve efficiencies in EMS supply reimbursement.

**Goal(s):** I, VII  
**Budget Impact:** Savings Expected  
**Duration:** Ongoing  
**Budget Description:** Increase reimbursement for medical supplies while decreasing internal cost to administer current program.  
**Partner(s):** Washington County EMS providers

## ***Emergency Medical Services***

	Actual Prior FY 2006	Actual Prior FY 2007	Budget Prior FY 2008	Budget Proposed FY 2009	Budget Approved FY 2009	Budget Adopted FY 2009
<b>10205 General Fund</b>						
5001 Salaries & Wages Union		75,962	81,847	84,649	84,649	<b>84,649</b>
5002 Salaries & Wages Nonunion	86,552	87,366	95,969	99,254	99,254	<b>99,254</b>
5003 Vacation Taken Union		7,256	8,095	8,372	8,372	<b>8,372</b>
5004 Vacation Taken Nonunion	8,709	16,478	9,491	9,816	9,816	<b>9,816</b>
5005 Sick Leave Taken Union		1,687				
5006 Sick Taken Nonunion	5,934					
5008 Personal Leave Taken Nonunion	766	1,187				
5015 Vacation Sold	7,727	7,178	7,515	7,773	7,773	<b>7,773</b>
5020 Deferred Comp Match Union		1,206	1,349	1,356	1,356	<b>1,356</b>
5021 Deferred Comp Match Nonunion	1,447	1,696	2,109	3,272	3,272	<b>3,272</b>
5051 EMT Premium			2,100	2,100	2,100	<b>2,100</b>
5102 Duty Chief Relief		401				
5120 Overtime Union	97,014	104,469	125,895	134,533	134,533	<b>134,533</b>
5121 Overtime Nonunion	410					
5201 PERS Taxes	46,787	68,020	63,026	66,573	66,573	<b>66,573</b>
5203 FICA/MEDI	14,725	22,191	25,430	26,861	26,861	<b>26,861</b>
5206 Worker's Comp	4,070	5,768	7,147	6,689	6,689	<b>6,689</b>
5207 TriMet/Wilsonville Tax	1,290	1,633	2,161	2,324	2,324	<b>2,324</b>
5208 OR Worker's Benefit Fund Tax	68	88	80	71	71	<b>71</b>
5210 Medical Ins Union		11,808	11,808	13,980	13,980	<b>13,980</b>
5211 Medical Ins Nonunion	11,263	11,959	11,975	12,488	12,488	<b>12,488</b>
5220 Post Retire Ins Union		605	600	600	600	<b>600</b>
5221 Post Retire Ins Nonunion	424	671	600	900	900	<b>900</b>
5230 Dental Ins Nonunion	1,725	2,072	1,852	1,824	1,824	<b>1,824</b>
5240 Life/Disability Insurance	843	902	845	1,000	1,000	<b>1,000</b>
5270 Uniform Allowance	615	218		250	250	<b>250</b>
5290 Employee Tuition Reimburse	5,912	9,444	3,000	3,000	3,000	<b>3,000</b>
5295 Vehicle/Technology Allowance				600	600	<b>600</b>
<b>Total Personnel Services</b>	<b>296,281</b>	<b>440,265</b>	<b>462,894</b>	<b>488,285</b>	<b>488,285</b>	<b>488,285</b>
5300 Office Supplies	2,019	639	2,935	2,994	2,994	<b>2,994</b>
5301 Special Department Supplies	2,210	821	3,000	3,000	3,000	<b>3,000</b>
5302 Training Supplies	1,527	1,773	1,800	1,836	1,836	<b>1,836</b>
5306 Photography Supplies & Process	62		120	120	120	<b>120</b>
5320 EMS Supplies	118,354	103,123	144,550	142,441	142,441	<b>142,441</b>
5321 Fire Fighting Supplies	176	81				
5330 Noncapital Furniture & Equip	279	253	300	306	306	<b>306</b>
5350 Apparatus Fuel/Lubricants	2,756	3,108	6,210	6,520	6,520	<b>6,520</b>
5361 M&R Bldg/Bldg Equip & Improv	150					
5366 M&R EMS Equip	10,265	19,351	34,782	34,782	34,782	<b>34,782</b>
5413 Consultant Fees	88,548	81,580	105,000	108,700	108,700	<b>108,700</b>
5414 Other Professional Services			500	500	500	<b>500</b>
5415 Printing	3,309	5,361	4,512	4,602	4,602	<b>4,602</b>
5461 External Training	3,954	4,564	3,500	3,570	3,570	<b>3,570</b>
5462 Travel and Per Diem	4,323	4,154	6,550	7,431	7,431	<b>7,431</b>
5471 Citizen Awards	100		100	100	100	<b>100</b>
5472 Employee Recog & Awards	536	498	850	850	850	<b>850</b>
5484 Postage, UPS & Shipping	95	40		25	25	<b>25</b>

## ***Emergency Medical Services***

	<b>Actual Prior FY 2006</b>	<b>Actual Prior FY 2007</b>	<b>Budget Prior FY 2008</b>	<b>Budget Proposed FY 2009</b>	<b>Budget Approved FY 2009</b>	<b>Budget Adopted FY 2009</b>
5500 Dues & Subscrip	1,141	745	710	710	710	<b>710</b>
5502 EMS Certification	870	30,255	3,775	36,680	36,680	<b>36,680</b>
5570 Misc Business Exp	849	1,228	1,236	1,261	1,261	<b>1,261</b>
<b>Total Materials and Services</b>	<b>241,523</b>	<b>257,574</b>	<b>320,430</b>	<b>356,428</b>	<b>356,428</b>	<b>356,428</b>
<b>Total General Fund</b>	<b>537,804</b>	<b>697,839</b>	<b>783,324</b>	<b>844,713</b>	<b>844,713</b>	<b>844,713</b>