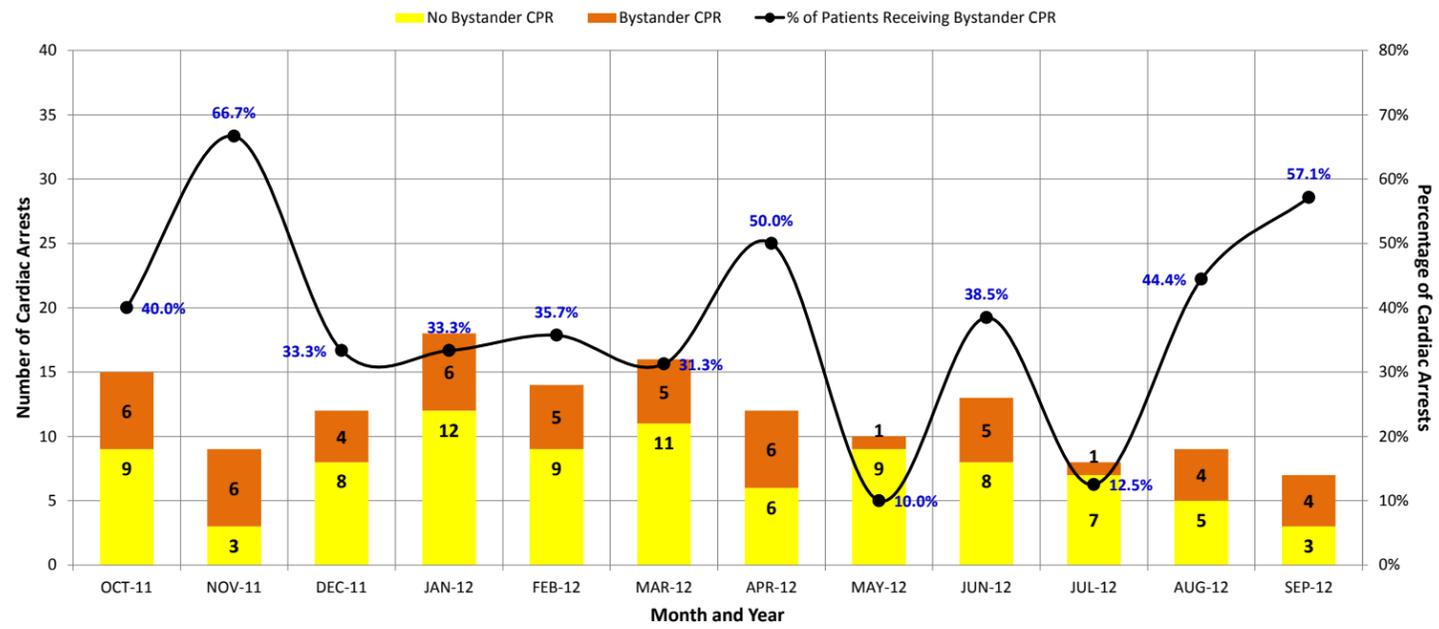
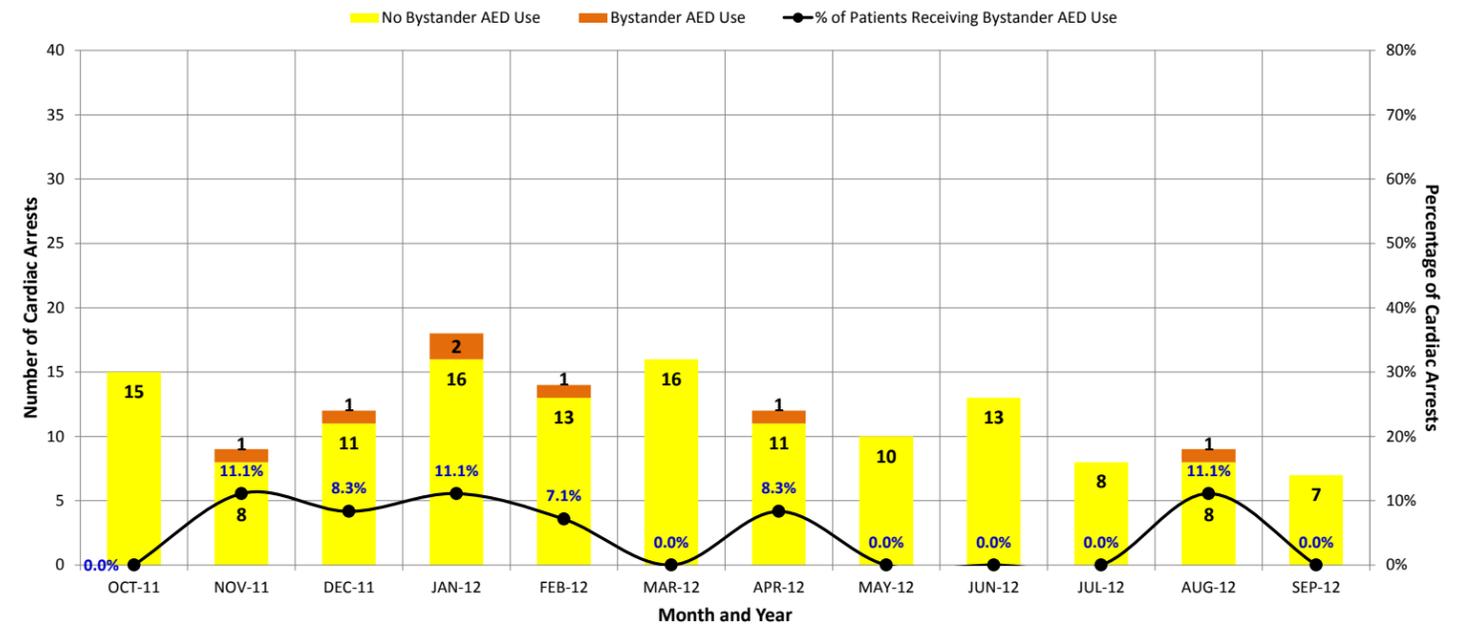


**District of Columbia Fire and Emergency Medical Services Department**  
**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Month - FY 2012 (10/1/2011 to 9/30/2012)**

**Cardiac Arrests Witnessed by Bystanders (CPR)**



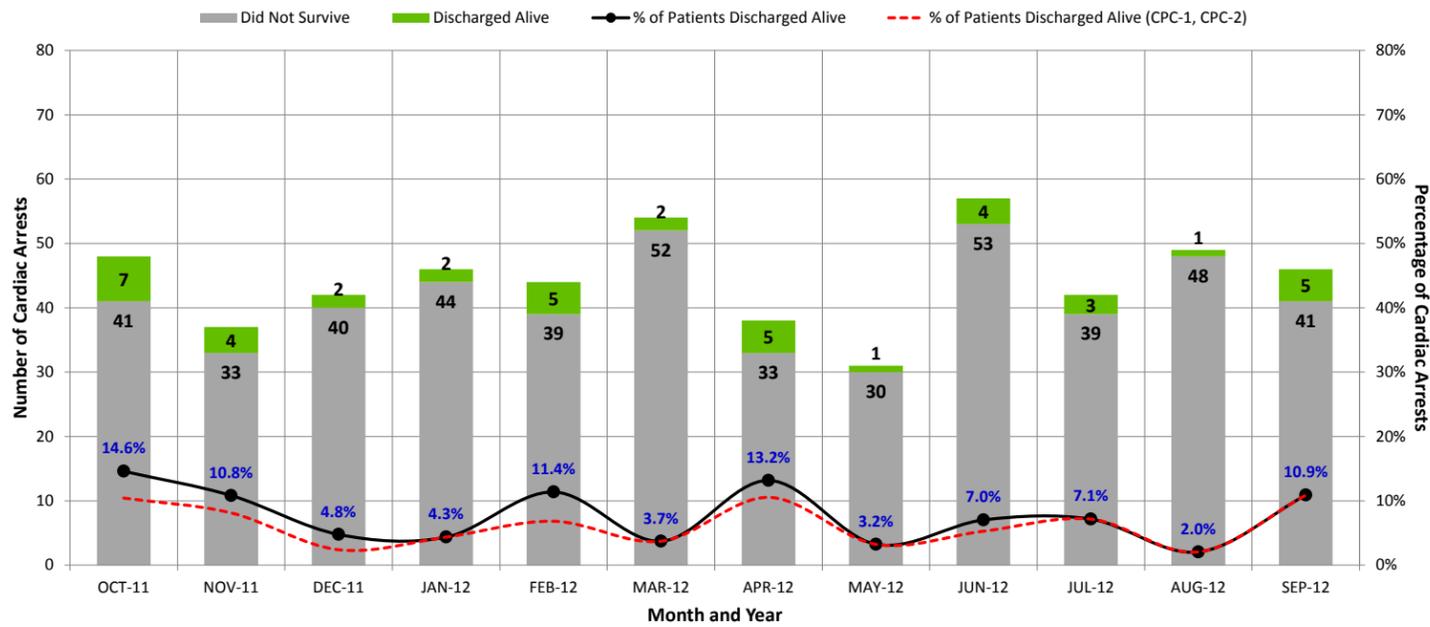
**Cardiac Arrests Witnessed by Bystanders (AED Use)**



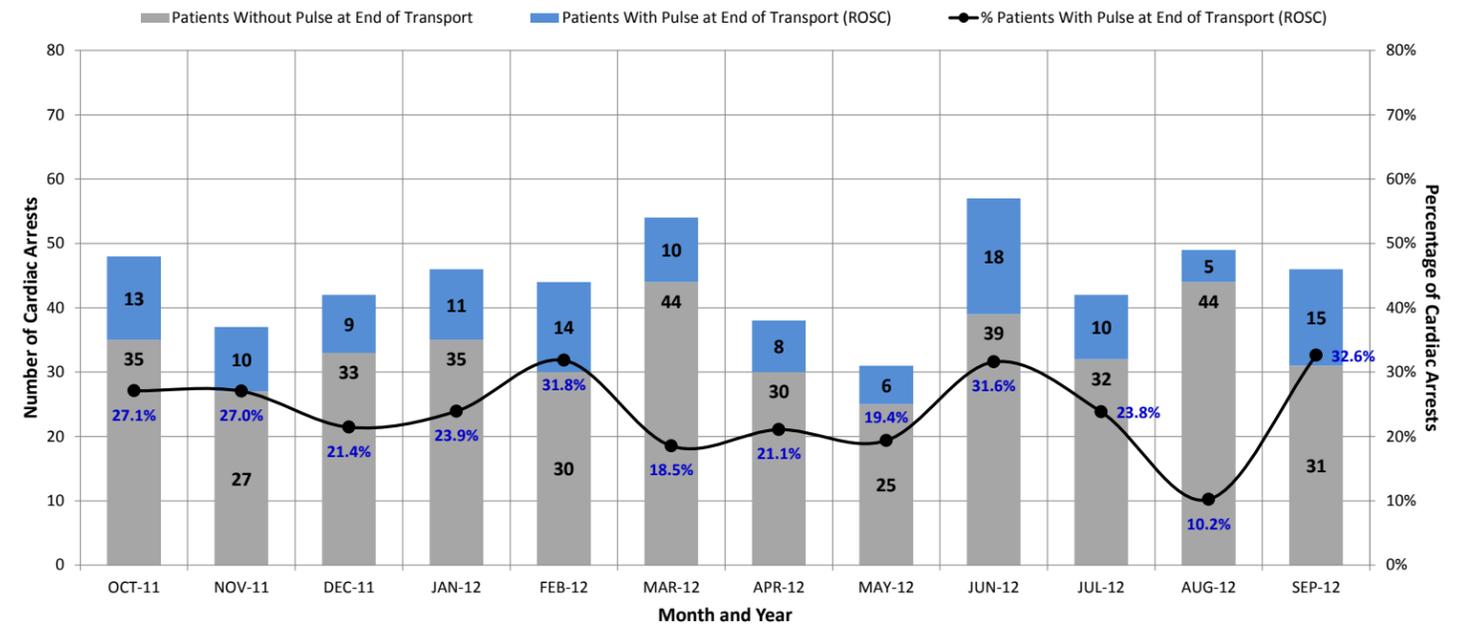
## District of Columbia Fire and Emergency Medical Services Department

### Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Month - FY 2012 (10/1/2011 to 9/30/2012)

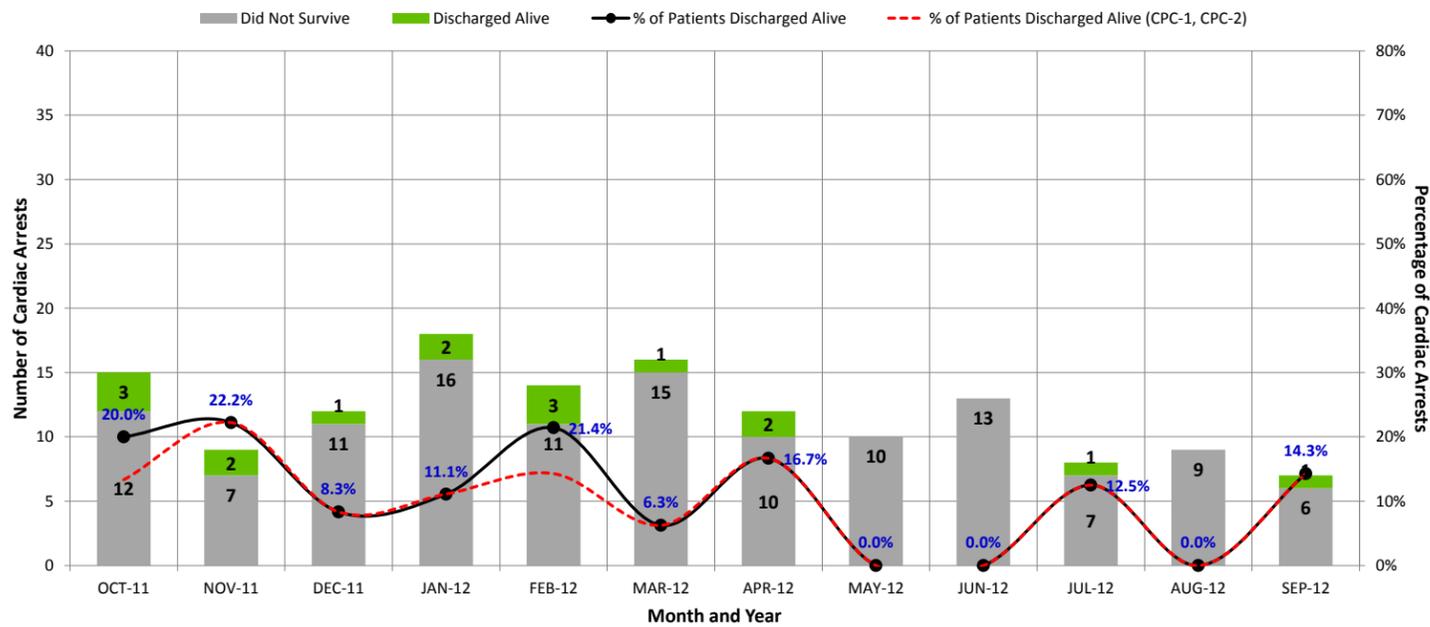
**Panel 1: All Cardiac Arrests (Outcome)**



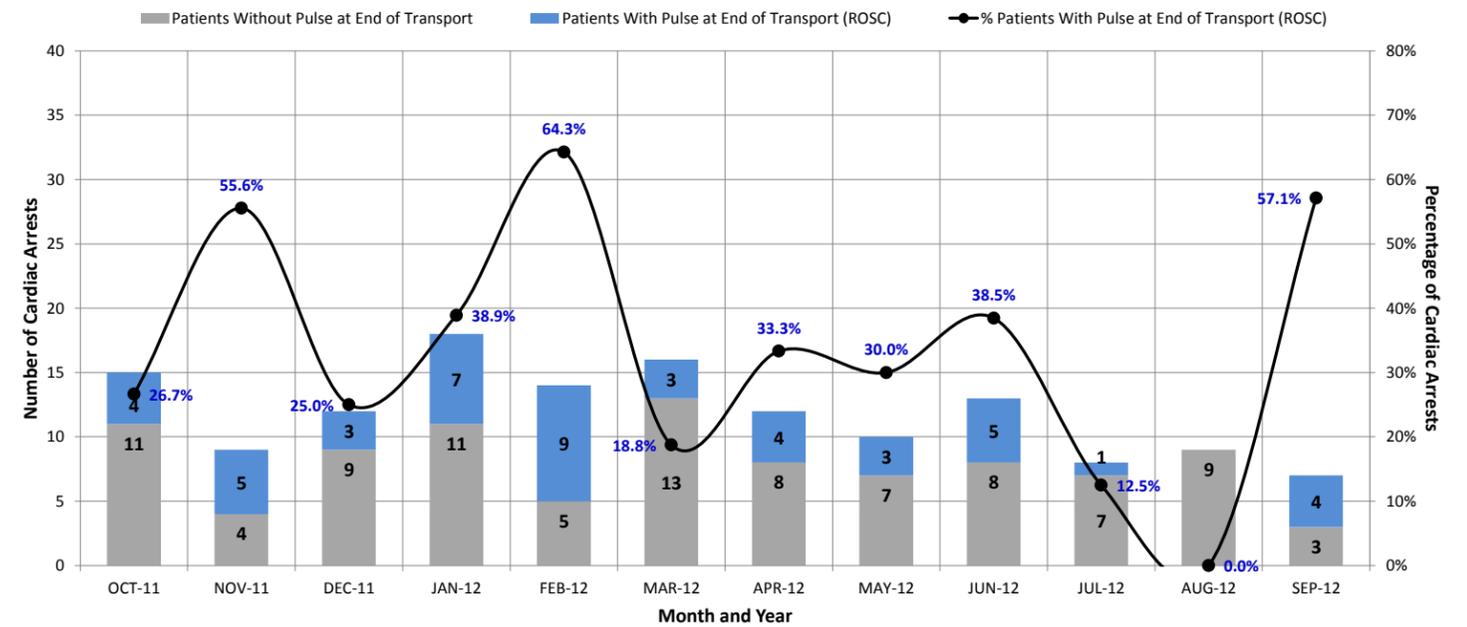
**Panel 1-A: All Cardiac Arrests (ROSC)**



**Panel 2: Cardiac Arrests Witnessed by Bystanders (Outcome)**



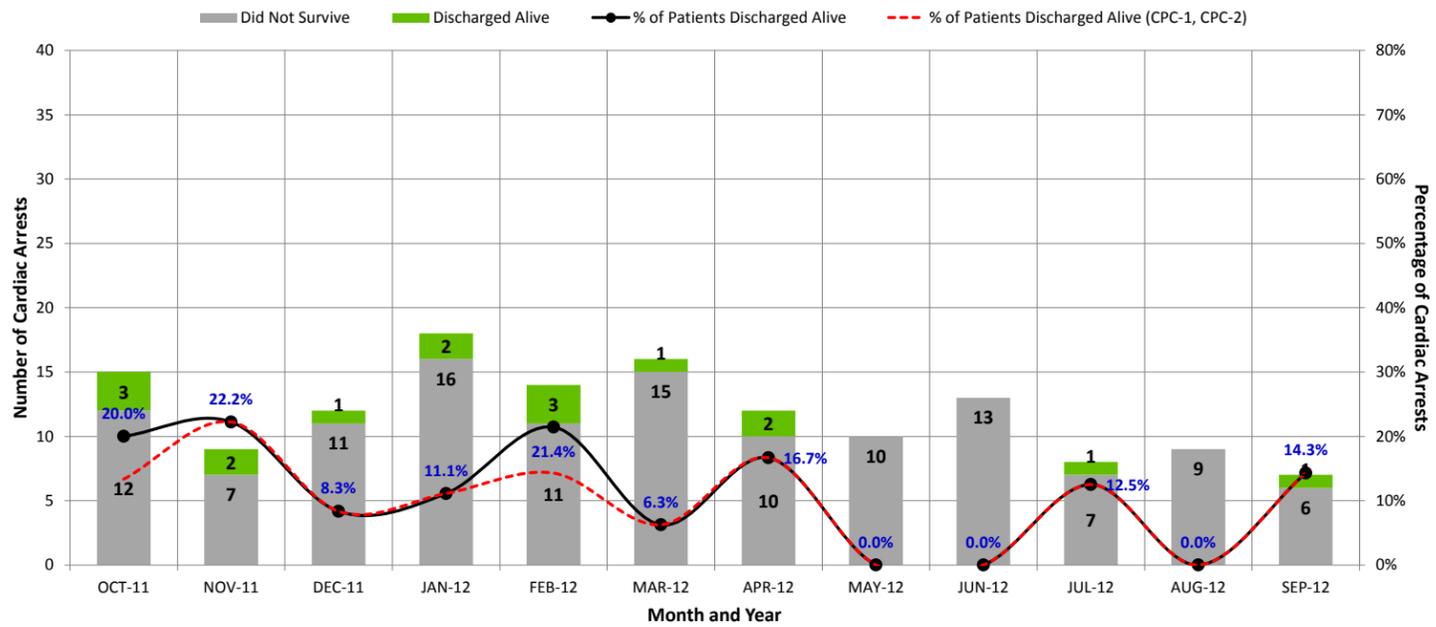
**Panel 2-A: Cardiac Arrests Witnessed by Bystanders (ROSC)**



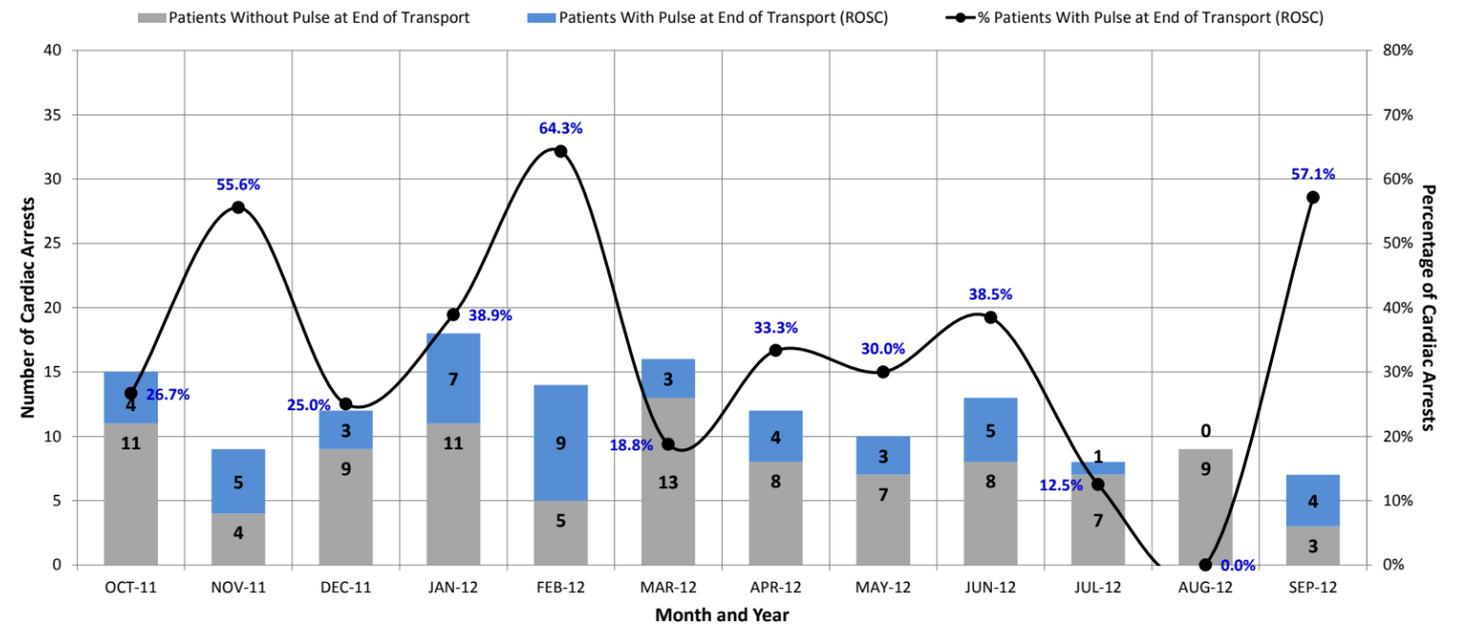
## District of Columbia Fire and Emergency Medical Services Department

### Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Month - FY 2012 (10/1/2011 to 9/30/2012)

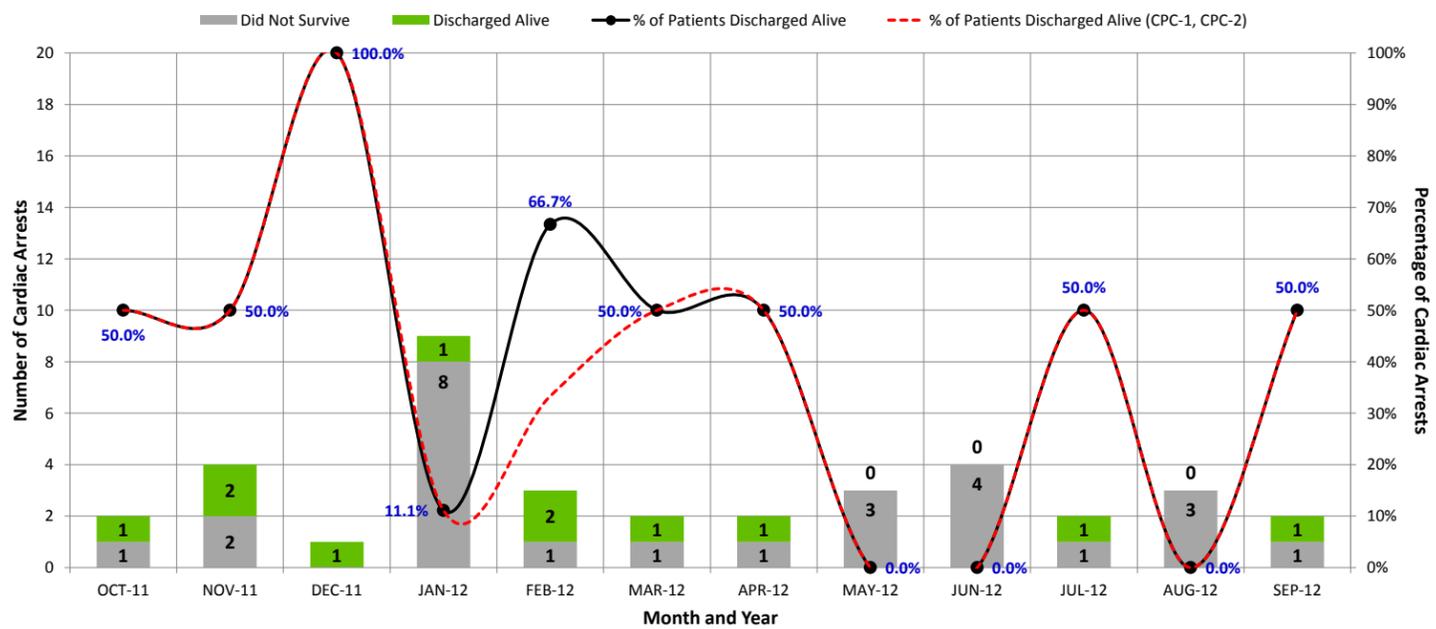
**Panel 3: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (Outcome)**



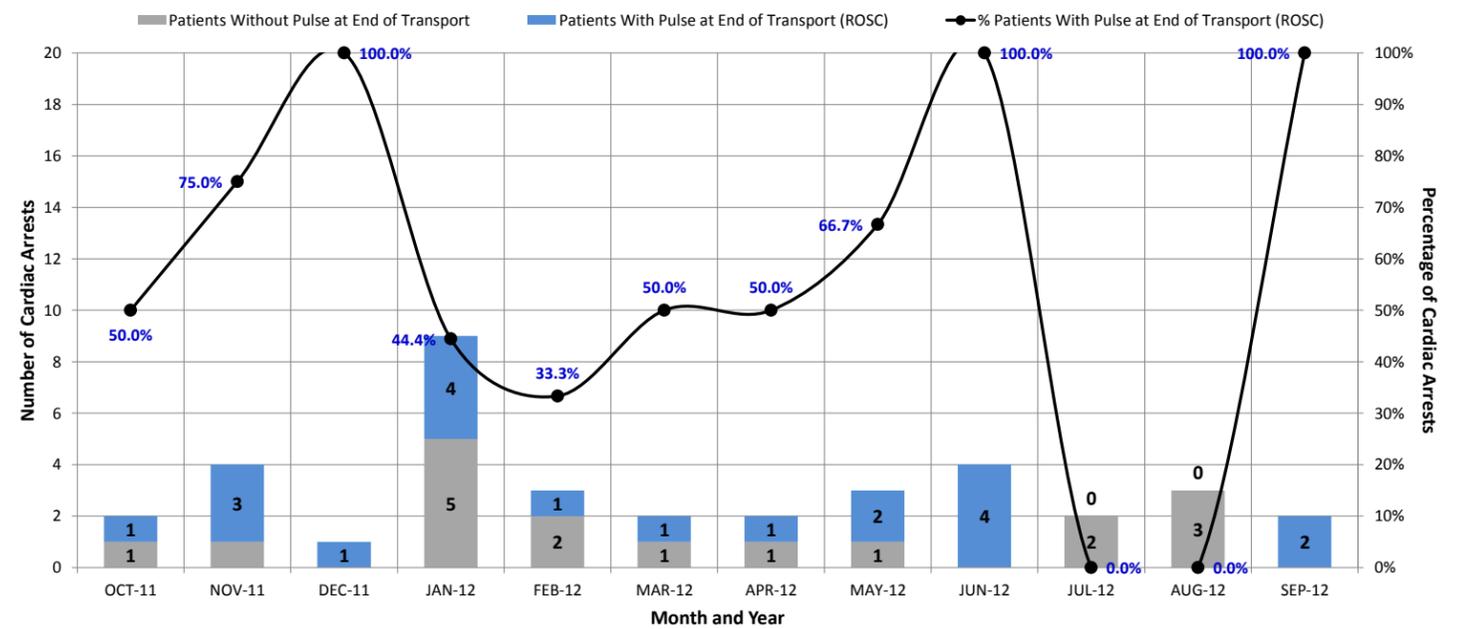
**Panel 3-A: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (ROSC)**



**Panel 4: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (Outcome)**



**Panel 4-A: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (ROSC)**



**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2012 (Q1 to Q4)**

<b>Cardiac Arrests Witnessed by Bystanders (CPR) KPI</b>	<b>Q1-FY-12</b>	<b>Q2-FY-12</b>	<b>Q3-FY-12</b>	<b>Q4-FY-12</b>	<b>FY-12 (TOTAL)</b>
Total Cardiac Arrests	127	144	126	137	534
Witnessed Cardiac Arrests	43	57	54	40	194
<b>NOT Witnessed by EMS</b>	<b>36</b>	<b>48</b>	<b>35</b>	<b>24</b>	<b>143</b>
<b>Who Initiated CPR?</b>	0	0	0	0	0
Not Applicable	0	0	0	0	0
<b>Lay Person</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>18</b>
<b>Lay Person Family Member</b>	<b>4</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>13</b>
<b>Lay Person Medical Provider</b>	<b>6</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>22</b>
First Responder (non-transport provider)	2	5	7	9	23
Responding EMS Personnel	18	27	16	6	67
<b>CPR Initiated by Bystanders</b>	<b>16</b>	<b>16</b>	<b>12</b>	<b>9</b>	<b>53</b>
<b>CPR Initiated by Bystanders, Limited to Arrest before Arrival of EMS Personnel.</b>	<b>44.4%</b>	<b>33.3%</b>	<b>34.3%</b>	<b>37.5%</b>	<b>37.1%</b>

<b>Cardiac Arrests Witnessed by Bystanders (AED Use) KPI</b>	<b>Q1-FY-12</b>	<b>Q2-FY-12</b>	<b>Q3-FY-12</b>	<b>Q4-FY-12</b>	<b>FY-12 (TOTAL)</b>
Total Cardiac Arrests	127	144	126	137	534
Witnessed Cardiac Arrests	43	57	54	40	194
<b>NOT Witnessed by EMS</b>	<b>36</b>	<b>48</b>	<b>35</b>	<b>24</b>	<b>143</b>
AED applied prior to EMS arrival	3	9	9	9	30
<b>Who Applied AED?</b>					
<b>Lay Person</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Lay Person Family Member</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Lay Person Medical Provider</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>4</b>
First Responder (non-transport provider)	1	6	8	8	23
Police Applied AED	0	1	2	2	5
Unknown					
<b>AED Used by Bystanders</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>7</b>
<b>AED Used by Bystanders, Limited to Arrest before Arrival of EMS Personnel.</b>	<b>5.6%</b>	<b>6.3%</b>	<b>2.9%</b>	<b>4.2%</b>	<b>4.9%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2012 (Q1 to Q4)**

<b>Panel 1: All Cardiac Arrests (Outcome)</b>	<b>Q1-FY-12</b>	<b>Q2-FY-12</b>	<b>Q3-FY-12</b>	<b>Q4-FY-12</b>	<b>FY-12 (TOTAL)</b>
<b>Total Cardiac Arrests</b>	<b>127</b>	<b>144</b>	<b>126</b>	<b>137</b>	<b>534</b>
<b>Transported to ED</b>	<b>125</b>	<b>144</b>	<b>125</b>	<b>137</b>	<b>531</b>
Pronounced Dead in ED	27	43	37	66	173
Ongoing Resuscitation in ED	98	101	88	71	358
<b>Admitted to Hospital</b>	<b>30</b>	<b>26</b>	<b>25</b>	<b>22</b>	<b>103</b>
Died in Hospital	13	12	8	7	40
Discharged alive	12	9	10	9	40
Discharged alive (CPC-1 or CPC-2)	9	7	8	9	33
Discharged alive (CPC-3, CPC-4 or Unk)	3	2	2	0	7
Died in Hospital after DNR	4	5	7	6	22
Discharged alive after DNR	1	0	0	0	1
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	1	0	0	0	1
<b>Total Discharged Alive</b>	<b>13</b>	<b>9</b>	<b>10</b>	<b>9</b>	<b>41</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>9</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>33</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>8</b>
<b>Overall Survival Rate.</b>	<b>10.2%</b>	<b>6.3%</b>	<b>7.9%</b>	<b>6.6%</b>	<b>7.7%</b>
<b>Overall Survival Rate (CPC-1 or CPC-2).</b>	<b>7.1%</b>	<b>4.9%</b>	<b>6.3%</b>	<b>6.6%</b>	<b>6.2%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2012 (Q1 to Q4)**

<b>Panel 2: Cardiac Arrests Witnessed by Bystanders (Outcome) KPI</b>	<b>Q1-FY-12</b>	<b>Q2-FY-12</b>	<b>Q3-FY-12</b>	<b>Q4-FY-12</b>	<b>FY-12 (TOTAL)</b>
Total Cardiac Arrests	127	144	126	137	534
Witnessed Cardiac Arrests	43	57	54	40	194
<b>NOT Witnessed by EMS</b>	<b>36</b>	<b>48</b>	<b>35</b>	<b>24</b>	<b>143</b>
<b>Transported to ED</b>	<b>36</b>	<b>48</b>	<b>35</b>	<b>24</b>	<b>143</b>
Pronounced Dead in ED	3	12	10	10	35
Ongoing Resuscitation in ED	33	36	25	14	108
<b>Admitted to Hospital</b>	<b>10</b>	<b>16</b>	<b>9</b>	<b>6</b>	<b>41</b>
Died in Hospital	3	6	4	3	16
Discharged alive	6	6	2	2	16
Discharged alive (CPC-1 or CPC-2)	5	5	2	2	14
Discharged alive (CPC-3, CPC-4 or Unk)	1	1	0	0	2
Died in Hospital after DNR	1	4	3	1	9
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
<b>Total Discharged Alive</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>16</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>2</b>	<b>14</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Overall Survival Rate.</b>	<b>16.7%</b>	<b>12.5%</b>	<b>5.7%</b>	<b>8.3%</b>	<b>11.2%</b>
<b>Overall Survival Rate (CPC-1 or CPC-2).</b>	<b>13.9%</b>	<b>10.4%</b>	<b>5.7%</b>	<b>8.3%</b>	<b>9.8%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2012 (Q1 to Q4)**

<b>Panel 3: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (Outcome)</b>	<b>Q1-FY-12</b>	<b>Q2-FY-12</b>	<b>Q3-FY-12</b>	<b>Q4-FY-12</b>	<b>FY-12 (TOTAL)</b>
Total Cardiac Arrests	127	144	126	137	534
Witnessed Cardiac Arrests	43	57	54	40	194
NOT Witnessed by EMS	36	48	35	24	143
<b>Presumed Cardiac Etiology</b>	<b>36</b>	<b>48</b>	<b>35</b>	<b>24</b>	<b>143</b>
<b>Transported to ED</b>	<b>36</b>	<b>48</b>	<b>35</b>	<b>24</b>	<b>143</b>
Pronounced Dead in ED	3	12	10	10	35
Ongoing Resuscitation in ED	33	36	25	14	108
<b>Admitted to Hospital</b>	<b>10</b>	<b>16</b>	<b>9</b>	<b>6</b>	<b>41</b>
Died in Hospital	3	6	4	3	16
Discharged alive	6	6	2	2	16
Discharged alive (CPC-1 or CPC-2)	5	5	2	2	14
Discharged alive (CPC-3, CPC-4 or Unk)	1	1	0	0	2
Died in Hospital after DNR	1	4	3	1	9
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
<b>Total Discharged Alive</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>16</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>2</b>	<b>14</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Overall Survival Rate.</b>	<b>16.7%</b>	<b>12.5%</b>	<b>5.7%</b>	<b>8.3%</b>	<b>11.2%</b>
<b>Overall Survival Rate (CPC-1 or CPC-2).</b>	<b>13.9%</b>	<b>10.4%</b>	<b>5.7%</b>	<b>8.3%</b>	<b>9.8%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2012 (Q1 to Q4)**

<b>Panel 4: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (Outcome) KPI</b>	<b>Q1-FY-12</b>	<b>Q2-FY-12</b>	<b>Q3-FY-12</b>	<b>Q4-FY-12</b>	<b>FY-12 (TOTAL)</b>
Total Cardiac Arrests	127	144	126	137	534
Witnessed Cardiac Arrests	43	57	54	40	194
NOT Witnessed by EMS	36	48	35	24	143
Presumed Cardiac Etiology	36	48	35	24	143
<b>"Shockable" Rhythm (VFib/VTach/Unk)</b>	<b>7</b>	<b>14</b>	<b>9</b>	<b>7</b>	<b>37</b>
<b>Transported to ED</b>	<b>7</b>	<b>14</b>	<b>9</b>	<b>7</b>	<b>37</b>
Pronounced Dead in ED	1	3	2	1	7
Ongoing Resuscitation in ED	6	11	7	6	30
<b>Admitted to Hospital</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>4</b>	<b>20</b>
Died in Hospital	1	1	2	1	5
Discharged alive	4	4	1	2	11
Discharged alive (CPC-1 or CPC-2)	4	3	1	2	10
Discharged alive (CPC-3, CPC-4 or Unk)	0	1	0	0	1
Died in Hospital after DNR	0	2	1	1	4
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
<b>Total Discharged Alive</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>11</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>10</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Overall Survival Rate.</b>	<b>57.1%</b>	<b>28.6%</b>	<b>11.1%</b>	<b>28.6%</b>	<b>29.7%</b>
<b>Overall Survival Rate (CPC-1 or CPC-2).</b>	<b>57.1%</b>	<b>21.4%</b>	<b>11.1%</b>	<b>28.6%</b>	<b>27.0%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2012 (Q1 to Q4)**

<b>Panel 1-A: All Cardiac Arrests (ROSC)</b>	<b>Q1-FY-12</b>	<b>Q2-FY-12</b>	<b>Q3-FY-12</b>	<b>Q4-FY-12</b>	<b>FY-12 (TOTAL)</b>
<b>Total Cardiac Arrests</b>	<b>127</b>	<b>144</b>	<b>126</b>	<b>137</b>	<b>534</b>
Pronounced Dead Before Transport	2	0	1	0	3
<b>Transported to ED</b>	<b>125</b>	<b>144</b>	<b>125</b>	<b>137</b>	<b>531</b>
Pulseless at End of Transport	93	109	93	107	402
<b>Pulse at End of Transport</b>	<b>32</b>	<b>35</b>	<b>32</b>	<b>30</b>	<b>129</b>
Pronounced Dead in ED	1	1	1	2	5
Ongoing Resuscitation in ED	31	34	31	28	124
<b>Admitted to Hospital</b>	<b>22</b>	<b>17</b>	<b>20</b>	<b>17</b>	<b>76</b>
Died in Hospital	8	7	6	5	26
Discharged alive	11	7	8	8	34
Discharged alive (CPC-1 or CPC-2)	8	6	7	8	29
Discharged alive (CPC-3, CPC-4 or Unk)	3	1	1	0	5
Died in Hospital after DNR	2	3	6	4	15
Discharged alive after DNR	1	0	0	0	1
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	1	0	0	0	1
<b>Total Discharged Alive</b>	<b>12</b>	<b>7</b>	<b>8</b>	<b>8</b>	<b>35</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>8</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>29</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>6</b>
<b>Pulse at End of Transport (Pre-Hospital ROSC rate).</b>	<b>25.2%</b>	<b>24.3%</b>	<b>25.4%</b>	<b>21.9%</b>	<b>24.2%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.</b>	<b>54.5%</b>	<b>41.2%</b>	<b>40.0%</b>	<b>47.1%</b>	<b>46.1%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).</b>	<b>36.4%</b>	<b>35.3%</b>	<b>35.0%</b>	<b>47.1%</b>	<b>38.2%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2012 (Q1 to Q4)**

<b>Panel 2-A: Cardiac Arrests Witnessed by Bystanders (ROSC)</b>	<b>Q1-FY-12</b>	<b>Q2-FY-12</b>	<b>Q3-FY-12</b>	<b>Q4-FY-12</b>	<b>FY-12 (TOTAL)</b>
Total Cardiac Arrests	127	144	126	137	534
Witnessed Cardiac Arrests	43	57	54	40	194
<b>NOT Witnessed by EMS</b>	<b>36</b>	<b>48</b>	<b>35</b>	<b>24</b>	<b>143</b>
Pronounced Dead Before Transport	0	0	0	0	0
<b>Transported to ED</b>	<b>36</b>	<b>48</b>	<b>35</b>	<b>24</b>	<b>143</b>
Pulseless at End of Transport	24	29	23	19	95
<b>Pulse at End of Transport</b>	<b>12</b>	<b>19</b>	<b>12</b>	<b>5</b>	<b>48</b>
Pronounced Dead in ED	0	0	0	0	0
Ongoing Resuscitation in ED	12	19	12	5	48
<b>Admitted to Hospital</b>	<b>7</b>	<b>10</b>	<b>7</b>	<b>3</b>	<b>27</b>
Died in Hospital	1	4	2	2	9
Discharged alive	6	4	2	1	13
Discharged alive (CPC-1 or CPC-2)	5	4	2	1	12
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	0	0	1
Died in Hospital after DNR	0	2	3	0	5
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
<b>Total Discharged Alive</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>13</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>5</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>12</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Pulse at End of Transport (Pre-Hospital ROSC rate).</b>	<b>33.3%</b>	<b>39.6%</b>	<b>34.3%</b>	<b>20.8%</b>	<b>33.6%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.</b>	<b>85.7%</b>	<b>40.0%</b>	<b>28.6%</b>	<b>33.3%</b>	<b>48.1%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).</b>	<b>71.4%</b>	<b>40.0%</b>	<b>28.6%</b>	<b>33.3%</b>	<b>44.4%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2012 (Q1 to Q4)**

<b>Panel 3-A: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (ROSC)</b>	<b>Q1-FY-12</b>	<b>Q2-FY-12</b>	<b>Q3-FY-12</b>	<b>Q4-FY-12</b>	<b>FY-12 (TOTAL)</b>
Total Cardiac Arrests	127	144	126	137	534
Witnessed Cardiac Arrests	43	57	54	40	194
NOT Witnessed by EMS	36	48	35	24	143
<b>Presumed Cardiac Etiology</b>	<b>36</b>	<b>48</b>	<b>35</b>	<b>24</b>	<b>143</b>
Pronounced Dead Before Transport	0	0	0	0	0
<b>Transported to ED</b>	<b>36</b>	<b>48</b>	<b>35</b>	<b>24</b>	<b>143</b>
Pulseless at End of Transport	24	29	23	19	95
<b>Pulse at End of Transport</b>	<b>12</b>	<b>19</b>	<b>12</b>	<b>5</b>	<b>48</b>
Pronounced Dead in ED	0	0	0	0	0
Ongoing Resuscitation in ED	12	19	12	5	48
<b>Admitted to Hospital</b>	<b>7</b>	<b>10</b>	<b>7</b>	<b>3</b>	<b>27</b>
Died in Hospital	1	4	2	2	9
Discharged alive	6	4	2	1	13
Discharged alive (CPC-1 or CPC-2)	5	4	2	1	12
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	0	0	1
Died in Hospital after DNR	0	2	3	0	5
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
<b>Total Discharged Alive</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>13</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>5</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>12</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Pulse at End of Transport (Pre-Hospital ROSC rate).</b>	<b>33.3%</b>	<b>39.6%</b>	<b>34.3%</b>	<b>20.8%</b>	<b>33.6%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.</b>	<b>85.7%</b>	<b>40.0%</b>	<b>28.6%</b>	<b>33.3%</b>	<b>48.1%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).</b>	<b>71.4%</b>	<b>40.0%</b>	<b>28.6%</b>	<b>33.3%</b>	<b>44.4%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2012 (Q1 to Q4)**

<b>Panel 4-A: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (ROSC)</b>	<b>Q1-FY-12</b>	<b>Q2-FY-12</b>	<b>Q3-FY-12</b>	<b>Q4-FY-12</b>	<b>FY-12 (TOTAL)</b>
Total Cardiac Arrests	127	144	126	137	534
Witnessed Cardiac Arrests	43	57	54	40	194
NOT Witnessed by EMS	36	48	35	24	143
Presumed Cardiac Etiology	36	48	35	24	143
<b>"Shockable" Rhythm (VFib/VTach/Unk)</b>	<b>7</b>	<b>14</b>	<b>9</b>	<b>7</b>	<b>37</b>
Pronounced Dead Before Transport	0	0	0	0	0
<b>Transported to ED</b>	<b>7</b>	<b>14</b>	<b>9</b>	<b>7</b>	<b>37</b>
Pulseless at End of Transport	2	8	2	5	17
<b>Pulse at End of Transport</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>2</b>	<b>20</b>
Pronounced Dead in ED	0	0	0	0	0
Ongoing Resuscitation in ED	5	6	7	2	20
<b>Admitted to Hospital</b>	<b>5</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>14</b>
Died in Hospital	1	0	2	1	4
Discharged alive	4	2	1	1	8
Discharged alive (CPC-1 or CPC-2)	4	2	1	1	8
Discharged alive (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Died in Hospital after DNR	0	1	1	0	2
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
<b>Total Discharged Alive</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>8</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>8</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Pulse at End of Transport (Pre-Hospital ROSC rate).</b>	<b>71.4%</b>	<b>42.9%</b>	<b>77.8%</b>	<b>28.6%</b>	<b>54.1%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.</b>	<b>80.0%</b>	<b>66.7%</b>	<b>25.0%</b>	<b>50.0%</b>	<b>57.1%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).</b>	<b>80.0%</b>	<b>66.7%</b>	<b>25.0%</b>	<b>50.0%</b>	<b>57.1%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2012 (10/1/2011 to 9/30/2012)**

<b>Cardiac Arrests Witnessed by Bystanders (CPR) KPI</b>	<b>OCT-11</b>	<b>NOV-11</b>	<b>DEC-11</b>	<b>JAN-12</b>	<b>FEB-12</b>	<b>MAR-12</b>	<b>APR-12</b>	<b>MAY-12</b>	<b>JUN-12</b>	<b>JUL-12</b>	<b>AUG-12</b>	<b>SEP-12</b>	<b>FY-12 (FINAL)</b>
Total Cardiac Arrests	48	37	42	46	44	54	38	31	57	42	49	46	534
Witnessed Cardiac Arrests	17	11	15	22	17	18	18	12	24	12	15	13	194
<b>NOT Witnessed by EMS</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>143</b>
<b>Who Initiated CPR?</b>													
Not Applicable	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Lay Person</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>18</b>
<b>Lay Person Family Member</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>13</b>
<b>Lay Person Medical Provider</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>22</b>
First Responder (non-transport provider)	2	0	0	2	2	1	1	4	2	4	3	2	23
Responding EMS Personnel	7	3	8	10	7	10	5	5	6	3	2	1	67
<b>CPR Initiated by Bystanders</b>	<b>6</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>53</b>
<b>CPR Initiated by Bystanders, Limited to Arrest before Arrival of EMS Personnel.</b>	<b>40.0%</b>	<b>66.7%</b>	<b>33.3%</b>	<b>33.3%</b>	<b>35.7%</b>	<b>31.3%</b>	<b>50.0%</b>	<b>10.0%</b>	<b>38.5%</b>	<b>12.5%</b>	<b>44.4%</b>	<b>57.1%</b>	<b>37.1%</b>

<b>Cardiac Arrests Witnessed by Bystanders (AED Use) KPI</b>	<b>OCT-11</b>	<b>NOV-11</b>	<b>DEC-11</b>	<b>JAN-12</b>	<b>FEB-12</b>	<b>MAR-12</b>	<b>APR-12</b>	<b>MAY-12</b>	<b>JUN-12</b>	<b>JUL-12</b>	<b>AUG-12</b>	<b>SEP-12</b>	<b>FY-12 (FINAL)</b>
Total Cardiac Arrests	48	37	42	46	44	54	38	31	57	42	49	46	534
Witnessed Cardiac Arrests	17	11	15	22	17	18	18	12	24	12	15	13	194
<b>NOT Witnessed by EMS</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>143</b>
AED applied prior to EMS arrival	1	1	1	5	3	1	2	4	3	2	1	6	30
<b>Who Applied AED?</b>													<b>0</b>
<b>Lay Person</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>						
<b>Lay Person Family Member</b>	<b>0</b>												
<b>Lay Person Medical Provider</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>
First Responder (non-transport provider)	1	0	0	3	2	1	1	4	3	2	0	6	23
Police Applied AED	0	0	0	0	1	0	0	1	1	0	0	2	5
Unknown													0
<b>AED Used by Bystanders</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>7</b>
<b>AED Used by Bystanders, Limited to Arrest before Arrival of EMS Personnel.</b>	<b>0.0%</b>	<b>11.1%</b>	<b>8.3%</b>	<b>11.1%</b>	<b>7.1%</b>	<b>0.0%</b>	<b>8.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>11.1%</b>	<b>0.0%</b>	<b>4.9%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2012 (10/1/2011 to 9/30/2012)**

<b>Panel 1: All Cardiac Arrests (Outcome)</b>	<b>OCT-11</b>	<b>NOV-11</b>	<b>DEC-11</b>	<b>JAN-12</b>	<b>FEB-12</b>	<b>MAR-12</b>	<b>APR-12</b>	<b>MAY-12</b>	<b>JUN-12</b>	<b>JUL-12</b>	<b>AUG-12</b>	<b>SEP-12</b>	<b>FY-12 (FINAL)</b>
<b>Total Cardiac Arrests</b>	<b>48</b>	<b>37</b>	<b>42</b>	<b>46</b>	<b>44</b>	<b>54</b>	<b>38</b>	<b>31</b>	<b>57</b>	<b>42</b>	<b>49</b>	<b>46</b>	<b>534</b>
<b>Transported to ED</b>	<b>48</b>	<b>36</b>	<b>41</b>	<b>46</b>	<b>44</b>	<b>54</b>	<b>38</b>	<b>30</b>	<b>57</b>	<b>42</b>	<b>49</b>	<b>46</b>	<b>531</b>
Pronounced Dead in ED	7	6	14	20	8	15	8	10	19	23	23	20	173
Ongoing Resuscitation in ED	41	30	27	26	36	39	30	20	38	19	26	26	358
<b>Admitted to Hospital</b>	<b>12</b>	<b>10</b>	<b>8</b>	<b>8</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>2</b>	<b>14</b>	<b>7</b>	<b>5</b>	<b>10</b>	<b>103</b>
Died in Hospital	2	6	5	5	3	4	3	0	5	3	0	4	40
Discharged alive	7	3	2	2	5	2	5	1	4	3	1	5	40
Discharged alive (CPC-1 or CPC-2)	5	3	1	2	3	2	4	1	3	3	1	5	33
Discharged alive (CPC-3, CPC-4 or Unk)	2	0	1	0	2	0	1	0	1	0	0	0	7
Died in Hospital after DNR	3	0	1	1	1	3	1	1	5	1	4	1	22
Discharged alive after DNR	0	1	0	0	0	0	0	0	0	0	0	0	1
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	1	0	0	0	0	0	0	0	0	0	0	1
<b>Total Discharged Alive</b>	<b>7</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>41</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>33</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>
<b>Overall Survival Rate.</b>	<b>14.6%</b>	<b>10.8%</b>	<b>4.8%</b>	<b>4.3%</b>	<b>11.4%</b>	<b>3.7%</b>	<b>13.2%</b>	<b>3.2%</b>	<b>7.0%</b>	<b>7.1%</b>	<b>2.0%</b>	<b>10.9%</b>	<b>7.7%</b>
<b>Overall Survival Rate (CPC-1 or CPC-2).</b>	<b>10.4%</b>	<b>8.1%</b>	<b>2.4%</b>	<b>4.3%</b>	<b>6.8%</b>	<b>3.7%</b>	<b>10.5%</b>	<b>3.2%</b>	<b>5.3%</b>	<b>7.1%</b>	<b>2.0%</b>	<b>10.9%</b>	<b>6.2%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2012 (10/1/2011 to 9/30/2012)**

<b>Panel 2: Cardiac Arrests Witnessed by Bystanders (Outcome) KPI</b>	<b>OCT-11</b>	<b>NOV-11</b>	<b>DEC-11</b>	<b>JAN-12</b>	<b>FEB-12</b>	<b>MAR-12</b>	<b>APR-12</b>	<b>MAY-12</b>	<b>JUN-12</b>	<b>JUL-12</b>	<b>AUG-12</b>	<b>SEP-12</b>	<b>FY-12 (FINAL)</b>
Total Cardiac Arrests	48	37	42	46	44	54	38	31	57	42	49	46	534
Witnessed Cardiac Arrests	17	11	15	22	17	18	18	12	24	12	15	13	194
<b>NOT Witnessed by EMS</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>143</b>
<b>Transported to ED</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>143</b>
Pronounced Dead in ED	1	0	2	6	2	4	3	2	5	4	4	2	35
Ongoing Resuscitation in ED	14	9	10	12	12	12	9	8	8	4	5	5	108
<b>Admitted to Hospital</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>41</b>
Died in Hospital	1	2	0	1	3	2	2	0	2	1	0	2	16
Discharged alive	3	2	1	2	3	1	2	0	0	1	0	1	16
Discharged alive (CPC-1 or CPC-2)	2	2	1	2	2	1	2	0	0	1	0	1	14
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	0	0	1	0	0	0	0	0	0	0	2
Died in Hospital after DNR	1	0	0	1	1	2	1	1	1	0	1	0	9
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Discharged Alive</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>16</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>14</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>						
<b>Overall Survival Rate.</b>	<b>20.0%</b>	<b>22.2%</b>	<b>8.3%</b>	<b>11.1%</b>	<b>21.4%</b>	<b>6.3%</b>	<b>16.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>12.5%</b>	<b>0.0%</b>	<b>14.3%</b>	<b>11.2%</b>
<b>Overall Survival Rate (CPC-1 or CPC-2).</b>	<b>13.3%</b>	<b>22.2%</b>	<b>8.3%</b>	<b>11.1%</b>	<b>14.3%</b>	<b>6.3%</b>	<b>16.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>12.5%</b>	<b>0.0%</b>	<b>14.3%</b>	<b>9.8%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2012 (10/1/2011 to 9/30/2012)**

<b>Panel 3: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (Outcome)</b>	<b>OCT-11</b>	<b>NOV-11</b>	<b>DEC-11</b>	<b>JAN-12</b>	<b>FEB-12</b>	<b>MAR-12</b>	<b>APR-12</b>	<b>MAY-12</b>	<b>JUN-12</b>	<b>JUL-12</b>	<b>AUG-12</b>	<b>SEP-12</b>	<b>FY-12 (FINAL)</b>
Total Cardiac Arrests	48	37	42	46	44	54	38	31	57	42	49	46	534
Witnessed Cardiac Arrests	17	11	15	22	17	18	18	12	24	12	15	13	194
NOT Witnessed by EMS	15	9	12	18	14	16	12	10	13	8	9	7	143
<b>Presumed Cardiac Etiology</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>143</b>
<b>Transported to ED</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>143</b>
Pronounced Dead in ED	1	0	2	6	2	4	3	2	5	4	4	2	35
Ongoing Resuscitation in ED	14	9	10	12	12	12	9	8	8	4	5	5	108
<b>Admitted to Hospital</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>41</b>
Died in Hospital	1	2	0	1	3	2	2	0	2	1	0	2	16
Discharged alive	3	2	1	2	3	1	2	0	0	1	0	1	16
Discharged alive (CPC-1 or CPC-2)	2	2	1	2	2	1	2	0	0	1	0	1	14
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	0	0	1	0	0	0	0	0	0	0	2
Died in Hospital after DNR	1	0	0	1	1	2	1	1	1	0	1	0	9
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Discharged Alive</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>16</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>14</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>						
<b>Overall Survival Rate.</b>	<b>20.0%</b>	<b>22.2%</b>	<b>8.3%</b>	<b>11.1%</b>	<b>21.4%</b>	<b>6.3%</b>	<b>16.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>12.5%</b>	<b>0.0%</b>	<b>14.3%</b>	<b>11.2%</b>
<b>Overall Survival Rate (CPC-1 or CPC-2).</b>	<b>13.3%</b>	<b>22.2%</b>	<b>8.3%</b>	<b>11.1%</b>	<b>14.3%</b>	<b>6.3%</b>	<b>16.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>12.5%</b>	<b>0.0%</b>	<b>14.3%</b>	<b>9.8%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2012 (10/1/2011 to 9/30/2012)**

<b>Panel 4: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (Outcome) KPI</b>	<b>OCT-11</b>	<b>NOV-11</b>	<b>DEC-11</b>	<b>JAN-12</b>	<b>FEB-12</b>	<b>MAR-12</b>	<b>APR-12</b>	<b>MAY-12</b>	<b>JUN-12</b>	<b>JUL-12</b>	<b>AUG-12</b>	<b>SEP-12</b>	<b>FY-12 (FINAL)</b>
Total Cardiac Arrests	48	37	42	46	44	54	38	31	57	42	49	46	<b>534</b>
Witnessed Cardiac Arrests	17	11	15	22	17	18	18	12	24	12	15	13	<b>194</b>
NOT Witnessed by EMS	15	9	12	18	14	16	12	10	13	8	9	7	<b>143</b>
Presumed Cardiac Etiology	15	9	12	18	14	16	12	10	13	8	9	7	<b>143</b>
<b>"Shockable" Rhythm (VFib/VTach/Unk)</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>37</b>
<b>Transported to ED</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>37</b>
Pronounced Dead in ED	1	0	0	3	0	0	1	1	0	0	1	0	<b>7</b>
Ongoing Resuscitation in ED	1	4	1	6	3	2	1	2	4	2	2	2	<b>30</b>
<b>Admitted to Hospital</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>20</b>
Died in Hospital	0	1	0	1	0	0	0	0	2	0	0	1	<b>5</b>
Discharged alive	1	2	1	1	2	1	1	0	0	1	0	1	<b>11</b>
Discharged alive (CPC-1 or CPC-2)	1	2	1	1	1	1	1	0	0	1	0	1	<b>10</b>
Discharged alive (CPC-3, CPC-4 or Unk)	0	0	0	0	1	0	0	0	0	0	0	0	<b>1</b>
Died in Hospital after DNR	0	0	0	0	1	1	0	0	1	0	1	0	<b>4</b>
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
<b>Total Discharged Alive</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>11</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>10</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>						
<b>Overall Survival Rate.</b>	<b>50.0%</b>	<b>50.0%</b>	<b>100.0%</b>	<b>11.1%</b>	<b>66.7%</b>	<b>50.0%</b>	<b>50.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>50.0%</b>	<b>0.0%</b>	<b>50.0%</b>	<b>29.7%</b>
<b>Overall Survival Rate (CPC-1 or CPC-2).</b>	<b>50.0%</b>	<b>50.0%</b>	<b>100.0%</b>	<b>11.1%</b>	<b>33.3%</b>	<b>50.0%</b>	<b>50.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>50.0%</b>	<b>0.0%</b>	<b>50.0%</b>	<b>27.0%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2012 (10/1/2011 to 9/30/2012)**

<b>Panel 1-A: All Cardiac Arrests (ROSC)</b>	<b>OCT-11</b>	<b>NOV-11</b>	<b>DEC-11</b>	<b>JAN-12</b>	<b>FEB-12</b>	<b>MAR-12</b>	<b>APR-12</b>	<b>MAY-12</b>	<b>JUN-12</b>	<b>JUL-12</b>	<b>AUG-12</b>	<b>SEP-12</b>	<b>FY-12 (FINAL)</b>
<b>Total Cardiac Arrests</b>	<b>48</b>	<b>37</b>	<b>42</b>	<b>46</b>	<b>44</b>	<b>54</b>	<b>38</b>	<b>31</b>	<b>57</b>	<b>42</b>	<b>49</b>	<b>46</b>	<b>534</b>
Pronounced Dead Before Transport	0	1	1	0	0	0	0	1	0	0	0	0	3
<b>Transported to ED</b>	<b>48</b>	<b>36</b>	<b>41</b>	<b>46</b>	<b>44</b>	<b>54</b>	<b>38</b>	<b>30</b>	<b>57</b>	<b>42</b>	<b>49</b>	<b>46</b>	<b>531</b>
Pulseless at End of Transport	35	26	32	35	30	44	30	24	39	32	44	31	402
<b>Pulse at End of Transport</b>	<b>13</b>	<b>10</b>	<b>9</b>	<b>11</b>	<b>14</b>	<b>10</b>	<b>8</b>	<b>6</b>	<b>18</b>	<b>10</b>	<b>5</b>	<b>15</b>	<b>129</b>
Pronounced Dead in ED	1	0	0	1	0	0	1	0	0	0	1	1	5
Ongoing Resuscitation in ED	12	10	9	10	14	10	7	6	18	10	4	14	124
<b>Admitted to Hospital</b>	<b>8</b>	<b>7</b>	<b>7</b>	<b>4</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>2</b>	<b>13</b>	<b>4</b>	<b>3</b>	<b>10</b>	<b>76</b>
Died in Hospital	1	3	4	1	2	4	1	0	5	1	0	4	26
Discharged alive	6	3	2	2	3	2	3	1	4	2	1	5	34
Discharged alive (CPC-1 or CPC-2)	4	3	1	2	2	2	3	1	3	2	1	5	29
Discharged alive (CPC-3, CPC-4 or Unk)	2	0	1	0	1	0	0	0	1	0	0	0	5
Died in Hospital after DNR	1	0	1	1	1	1	1	1	4	1	2	1	15
Discharged alive after DNR	0	1	0	0	0	0	0	0	0	0	0	0	1
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	1	0	0	0	0	0	0	0	0	0	0	1
<b>Total Discharged Alive</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>35</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>29</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>
<b>Pulse at End of Transport (Pre-Hospital ROSC rate).</b>	<b>27.1%</b>	<b>27.0%</b>	<b>21.4%</b>	<b>23.9%</b>	<b>31.8%</b>	<b>18.5%</b>	<b>21.1%</b>	<b>19.4%</b>	<b>31.6%</b>	<b>23.8%</b>	<b>10.2%</b>	<b>32.6%</b>	<b>24.2%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.</b>	<b>75.0%</b>	<b>57.1%</b>	<b>28.6%</b>	<b>50.0%</b>	<b>50.0%</b>	<b>28.6%</b>	<b>60.0%</b>	<b>50.0%</b>	<b>30.8%</b>	<b>50.0%</b>	<b>33.3%</b>	<b>50.0%</b>	<b>46.1%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).</b>	<b>50.0%</b>	<b>42.9%</b>	<b>14.3%</b>	<b>50.0%</b>	<b>33.3%</b>	<b>28.6%</b>	<b>60.0%</b>	<b>50.0%</b>	<b>23.1%</b>	<b>50.0%</b>	<b>33.3%</b>	<b>50.0%</b>	<b>38.2%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2012 (10/1/2011 to 9/30/2012)**

<b>Panel 2-A: Cardiac Arrests Witnessed by Bystanders (ROSC)</b>	<b>OCT-11</b>	<b>NOV-11</b>	<b>DEC-11</b>	<b>JAN-12</b>	<b>FEB-12</b>	<b>MAR-12</b>	<b>APR-12</b>	<b>MAY-12</b>	<b>JUN-12</b>	<b>JUL-12</b>	<b>AUG-12</b>	<b>SEP-12</b>	<b>FY-12 (FINAL)</b>
Total Cardiac Arrests	48	37	42	46	44	54	38	31	57	42	49	46	534
Witnessed Cardiac Arrests	17	11	15	22	17	18	18	12	24	12	15	13	194
<b>NOT Witnessed by EMS</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>143</b>
Pronounced Dead Before Transport	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transported to ED</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>143</b>
Pulseless at End of Transport	11	4	9	11	5	13	8	7	8	7	9	3	95
<b>Pulse at End of Transport</b>	<b>4</b>	<b>5</b>	<b>3</b>	<b>7</b>	<b>9</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>48</b>
Pronounced Dead in ED	0	0	0	0	0	0	0	0	0	0	0	0	0
Ongoing Resuscitation in ED	4	5	3	7	9	3	4	3	5	1	0	4	48
<b>Admitted to Hospital</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>27</b>
Died in Hospital	0	1	0	0	2	2	0	0	2	0	0	2	9
Discharged alive	3	2	1	2	1	1	2	0	0	0	0	1	13
Discharged alive (CPC-1 or CPC-2)	2	2	1	2	1	1	2	0	0	0	0	1	12
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	0	0	0	0	0	0	0	0	0	0	1
Died in Hospital after DNR	0	0	0	1	1	0	1	1	1	0	0	0	5
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Discharged Alive</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>13</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>12</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>1</b>	<b>0</b>	<b>1</b>										
<b>Pulse at End of Transport (Pre-Hospital ROSC rate).</b>	<b>26.7%</b>	<b>55.6%</b>	<b>25.0%</b>	<b>38.9%</b>	<b>64.3%</b>	<b>18.8%</b>	<b>33.3%</b>	<b>30.0%</b>	<b>38.5%</b>	<b>12.5%</b>	<b>0.0%</b>	<b>57.1%</b>	<b>33.6%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.</b>	<b>100.0%</b>	<b>66.7%</b>	<b>100.0%</b>	<b>66.7%</b>	<b>25.0%</b>	<b>33.3%</b>	<b>66.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>N/A</b>	<b>N/A</b>	<b>33.3%</b>	<b>48.1%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).</b>	<b>66.7%</b>	<b>66.7%</b>	<b>100.0%</b>	<b>66.7%</b>	<b>25.0%</b>	<b>33.3%</b>	<b>66.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>N/A</b>	<b>N/A</b>	<b>33.3%</b>	<b>44.4%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2012 (10/1/2011 to 9/30/2012)**

<b>Panel 3-A: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (ROSC)</b>	<b>OCT-11</b>	<b>NOV-11</b>	<b>DEC-11</b>	<b>JAN-12</b>	<b>FEB-12</b>	<b>MAR-12</b>	<b>APR-12</b>	<b>MAY-12</b>	<b>JUN-12</b>	<b>JUL-12</b>	<b>AUG-12</b>	<b>SEP-12</b>	<b>FY-12 (FINAL)</b>
Total Cardiac Arrests	48	37	42	46	44	54	38	31	57	42	49	46	534
Witnessed Cardiac Arrests	17	11	15	22	17	18	18	12	24	12	15	13	194
NOT Witnessed by EMS	15	9	12	18	14	16	12	10	13	8	9	7	143
<b>Presumed Cardiac Etiology</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>143</b>
Pronounced Dead Before Transport	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transported to ED</b>	<b>15</b>	<b>9</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>143</b>
Pulseless at End of Transport	11	4	9	11	5	13	8	7	8	7	9	3	95
<b>Pulse at End of Transport</b>	<b>4</b>	<b>5</b>	<b>3</b>	<b>7</b>	<b>9</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>48</b>
Pronounced Dead in ED	0	0	0	0	0	0	0	0	0	0	0	0	0
Ongoing Resuscitation in ED	4	5	3	7	9	3	4	3	5	1	0	4	48
<b>Admitted to Hospital</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>27</b>
Died in Hospital	0	1	0	0	2	2	0	0	2	0	0	2	9
Discharged alive	3	2	1	2	1	1	2	0	0	0	0	1	13
Discharged alive (CPC-1 or CPC-2)	2	2	1	2	1	1	2	0	0	0	0	1	12
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	0	0	0	0	0	0	0	0	0	0	1
Died in Hospital after DNR	0	0	0	1	1	0	1	1	1	0	0	0	5
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Discharged Alive</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>13</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>12</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>1</b>	<b>0</b>	<b>1</b>										
<b>Pulse at End of Transport (Pre-Hospital ROSC rate).</b>	<b>26.7%</b>	<b>55.6%</b>	<b>25.0%</b>	<b>38.9%</b>	<b>64.3%</b>	<b>18.8%</b>	<b>33.3%</b>	<b>30.0%</b>	<b>38.5%</b>	<b>12.5%</b>	<b>0.0%</b>	<b>57.1%</b>	<b>33.6%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.</b>	<b>100.0%</b>	<b>66.7%</b>	<b>100.0%</b>	<b>66.7%</b>	<b>25.0%</b>	<b>33.3%</b>	<b>66.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>N/A</b>	<b>N/A</b>	<b>33.3%</b>	<b>48.1%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).</b>	<b>66.7%</b>	<b>66.7%</b>	<b>100.0%</b>	<b>66.7%</b>	<b>25.0%</b>	<b>33.3%</b>	<b>66.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>N/A</b>	<b>N/A</b>	<b>33.3%</b>	<b>44.4%</b>

**District of Columbia Fire and Emergency Medical Services Department**

**Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2012 (10/1/2011 to 9/30/2012)**

<b>Panel 4-A: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (ROSC)</b>	<b>OCT-11</b>	<b>NOV-11</b>	<b>DEC-11</b>	<b>JAN-12</b>	<b>FEB-12</b>	<b>MAR-12</b>	<b>APR-12</b>	<b>MAY-12</b>	<b>JUN-12</b>	<b>JUL-12</b>	<b>AUG-12</b>	<b>SEP-12</b>	<b>FY-12 (FINAL)</b>
Total Cardiac Arrests	48	37	42	46	44	54	38	31	57	42	49	46	<b>534</b>
Witnessed Cardiac Arrests	17	11	15	22	17	18	18	12	24	12	15	13	<b>194</b>
NOT Witnessed by EMS	15	9	12	18	14	16	12	10	13	8	9	7	<b>143</b>
Presumed Cardiac Etiology	15	9	12	18	14	16	12	10	13	8	9	7	<b>143</b>
<b>"Shockable" Rhythm (VFib/VTach/Unk)</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>37</b>
Pronounced Dead Before Transport	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
<b>Transported to ED</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>37</b>
Pulseless at End of Transport	1	1	0	5	2	1	1	1	0	2	3	0	<b>17</b>
<b>Pulse at End of Transport</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>20</b>
Pronounced Dead in ED	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
Ongoing Resuscitation in ED	1	3	1	4	1	1	1	2	4	0	0	2	<b>20</b>
<b>Admitted to Hospital</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>14</b>
Died in Hospital	0	1	0	0	0	0	0	0	2	0	0	1	<b>4</b>
Discharged alive	1	2	1	1	0	1	1	0	0	0	0	1	<b>8</b>
Discharged alive (CPC-1 or CPC-2)	1	2	1	1	0	1	1	0	0	0	0	1	<b>8</b>
Discharged alive (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
Died in Hospital after DNR	0	0	0	0	1	0	0	0	1	0	0	0	<b>2</b>
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
<b>Total Discharged Alive</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>8</b>
<b>Total Discharged Alive (CPC-1 or CPC-2)</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>8</b>
<b>Total Discharged Alive (CPC-3, CPC-4 or Unk)</b>	<b>0</b>												
<b>Pulse at End of Transport (Pre-Hospital ROSC rate).</b>	<b>50.0%</b>	<b>75.0%</b>	<b>100.0%</b>	<b>44.4%</b>	<b>33.3%</b>	<b>50.0%</b>	<b>50.0%</b>	<b>66.7%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>54.1%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.</b>	<b>100.0%</b>	<b>66.7%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>N/A</b>	<b>0.0%</b>	<b>N/A</b>	<b>N/A</b>	<b>50.0%</b>	<b>57.1%</b>
<b>Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).</b>	<b>100.0%</b>	<b>66.7%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>N/A</b>	<b>0.0%</b>	<b>N/A</b>	<b>N/A</b>	<b>50.0%</b>	<b>57.1%</b>