

An Overview of the University of Dayton Rescue Squad's Response Statistics



Call Volume:

Prior to this academic year, Rescue Squad has experienced a **5%** increase in call volume. An assessment of call volume between the 2008-2009 and 2009-2010 academic years cannot be accurately calculated, as call volume tends to be highest at the beginning and end of each academic year.

<u>Academic Year:</u>	<u>Total Calls</u>
2004-2005	331
2005-2006	358
2006-2007	384
2007-2008	388
2008-2009	408
2009-2010	330*

**Number of calls as of March 25, 2010*

Dayton Fire Department Rates:

If Rescue Squad is with another patient, or if our organization did not exist, the Dayton Fire Department will send an ambulance to campus. Dayton Fire's current billing rates are as follows:

<u>Service</u>	<u>Cost</u>
Advanced Life Support Run (ALS)	\$740.00
Basic Life Support Run (BLS)	\$430.00
Patient Transport per Mile	\$10.00

Cost Savings to the UD community:

Based on the nature of our calls we estimate that the City of Dayton would bill:

40% of calls as **ALS**

60% of calls as **BLS**

We estimate 40%, because every time intravenous access, fluid replacement, or cardiac monitoring is attempted or performed, Dayton Fire has the basis to charge that call as ALS. Only about 15% of our calls might actually require ALS procedures if we were farther from Miami Valley Hospital's Emergency and Trauma Center, however rapid transport to Miami Valley benefits these patients as opposed to calling and waiting for a Dayton Fire ALS unit to arrive.

Mileage per call is averaged at **2 miles**, based on the following:

<u>Hospital</u>	<u>Distance from Campus (Miles)</u>	<u>Volume of Transports</u>
Grandview Hospital	3.4	10%
Kettering Memorial Hospital	4.5	20%
Miami Valley Hospital	1.2	70%

The final average cost per patient transport based on the above explanations is **\$574.00**

As a result of our calculations, members of our campus community experience the following savings by utilizing our services as opposed to a Dayton Fire ambulance responding to the call.

<u>Academic Year:</u>	<u>Savings to Members of the UD Community:</u>
2004-2005	\$183,160
2005-2006	\$205,492
2006-2007	\$220,416
2007-2008	\$222,712
2008-2009	\$234,192
2009-2010	\$189,420

The total cost savings realized by members of the UD community over that last 6 years is **\$1,255,338**.