



West Midlands Ambulance Service



NHS Foundation Trust

# Modelling for Stroke Changes Coventry & Warwickshire



Trust us **to care.**



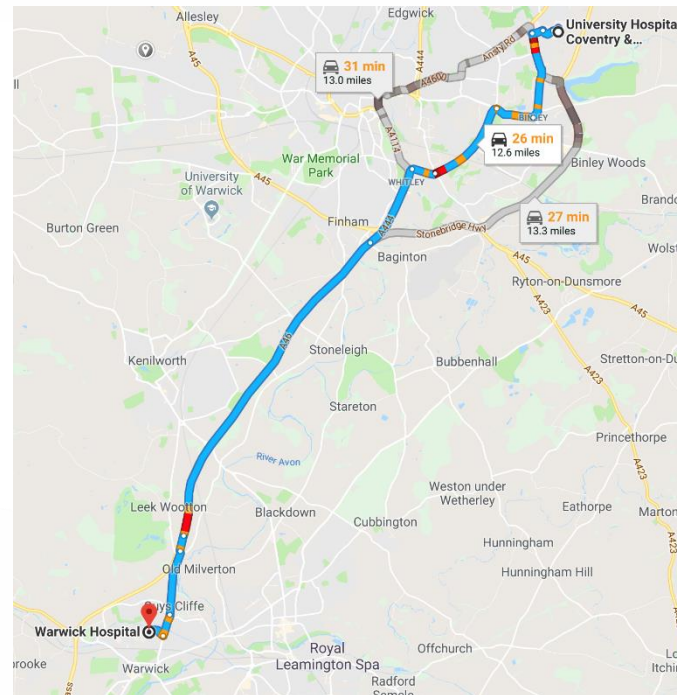
## Activity Impact via Day of Week

### George Elliot, UHCW & Warwick

Day Of Week	WMAS Transports into:			Grand Total
	George Elliot	UHCW	Warwick	
Monday	71	285	81	437
Tuesday	54	311	66	431
Wednesday	61	304	84	449
Thursday	70	304	96	470
Friday	65	283	89	437
Saturday	61	295	83	439
Sunday	55	295	78	428
<b>Grand Total</b>	<b>437</b>	<b>2,077</b>	<b>577</b>	<b>3,091</b>



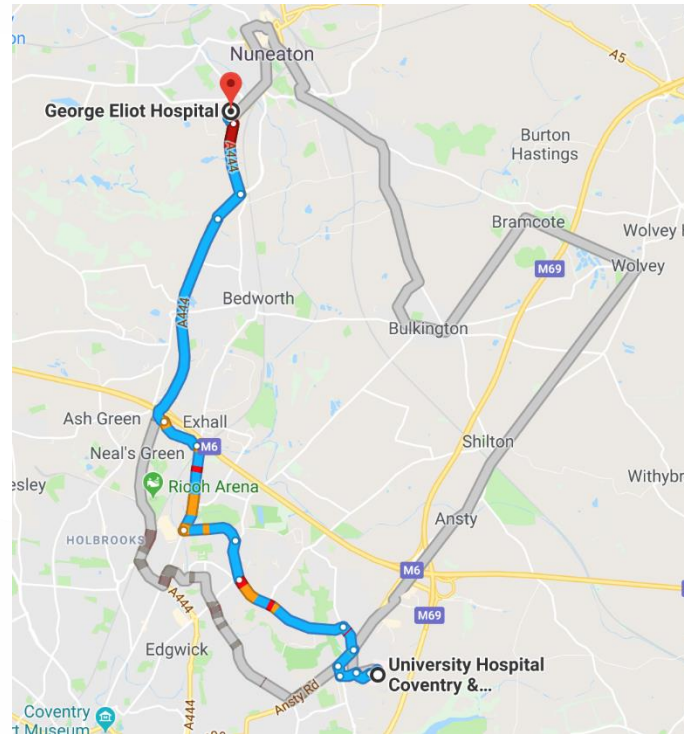
## Additional Time Impact per Journey – South Warwickshire



Additional journey distance is no more than 12.6 miles  
taking no more than 26 mins



## Additional Time Impact per Journey – South Warwickshire



Additional journey distance is no more than 8.8 miles  
taking no more than 27 mins





## WMAS Resource Impact

Metric	Value	notes
Transports over the 12 month period	1,014	Number of transports over the 12 month period
Transports per day (calculated)	2.78	Transports per day
Extra travel time to new location	0.40	Duration as part of an hour for extra travel time there
Extra travel time from new location to next	0.40	Duration as part of an hour to get the ambulance back to the responding area
Extra time needed per transport	0.80	Total extra time per patient
Extra time needed per day	2.22	Extra time (hours) per day
Divisional UHU	0.40	UHU in division (actual)
DCA incidents per shift	4.80	12 hour shift for DCA x UHU is what can be done in one shift
TOTAL Impact on WMAS	0.40	Extra 12 hour DCAs needed to be rostered



## WMAS Resource Cost

<u>0.40 x (12 / 7) Ambulance Costing</u>					
<b>Pay</b>					<b>£</b>
1.6 Paramedic	Band 6	57,587	57,587	1.6	92,139
1 Technicians	Band 4	36,307	36,307	1.2	43,568
				2.8	135,708
<b>Non Pay</b>					
0.5 DCA's		25,225	0.5		12,613
Fuel cost per mile		0.289	22,231		6,425
Maintenance		9,665	1		9,665
Consumables		0	0		0
Insurance		1,100	1		550
					29,252
<b>Total Annual Cost</b>					<b>164,960</b>

Pay rates - Top of scale, includes unsociable hours.  
70:30 split para/tech.  
Also includes 30% relief for training, sickness, annual leave

Based on average mileage 22,231 p.a. and 4.84 miles per litre and fuel cost £1.40 per litre

Monthly additional cost to WMAS £13,747 – based on 0.4 total additional 12 hour ambulances, with WMAS ensuring sufficient resource rostered 24/7