

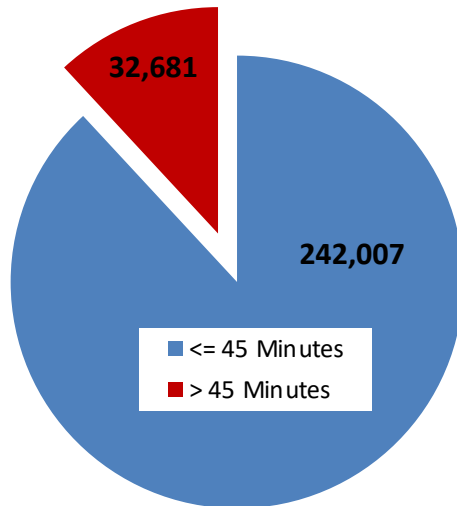
# Medway Population's Travel Times

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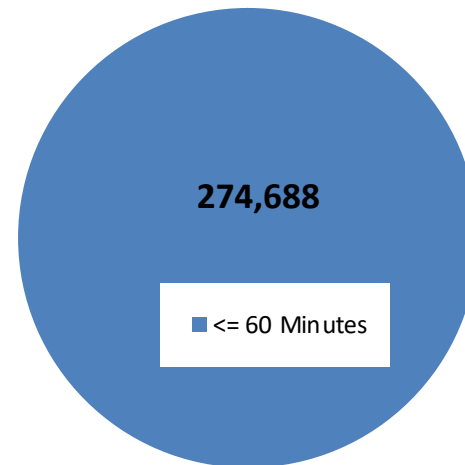
**A travel analysis into the impacts moving services to and from WHH and K&C would have on travel times in Medway.**

# Medway Population Off Peak Drive Travel Time: K&C Breakdown

Travel Time Under 45 Minutes



Travel Time 60 minutes and under



## Distance

The mean change from WHH to K&C is +1.1km and plus or minus two Standard Deviations (SD) is a range of +12km to -9.7km. There are two LSOAs which would have to travel an extra 12kms or above, both of these are in Strood North with an extra distance of 12.5km and 12.9km.

## Time

The mean change from WHH to K&C is +1.23 minutes and two SDs either way is a range of +11.2 mins to -8.7 mins. Only one LSOA has to travel additionally longer than 11.2 mins, the LSOA is in Cuxton and Halling and travels 12.88 minutes longer. Neither of the LSOA that significantly increased in distance have an increase in travel time.

# Medway Population Travel Time: WHH to K&C Breakdown – Top 10 Changes

Ward Name	LSOA	AM Peak Drive Change (Minutes)	Population Affected	All Activity 2016/17*
Cuxton and Halling	E01016026	12.88	1,367	6
Cuxton and Halling	E01016029	9.98	1,683	11
Chatham Central	E01016025	7.66	1,686	7
Rochester East	E01016117	7.65	1,985	22
Rochester South and Horsted	E01016120	7.65	1,404	7
Rochester South and Horsted	E01016122	7.65	1,774	7
Chatham Central	E01016020	7.65	1,241	1
Chatham Central	E01016021	7.65	1,587	0
Chatham Central	E01016022	7.65	1,519	0
Rochester East	E01016113	7.65	1,471	12

Ward Name	LSOA	Off Peak Drive Change (Minutes)	Population Affected	All Activity 2016/17*
Cuxton and Halling	E01016026	11.34	1,367	6
Cuxton and Halling	E01016029	8.59	1,683	11
Chatham Central	E01016020	7.04	1,241	1
Chatham Central	E01016021	7.04	1,587	0
Chatham Central	E01016022	7.04	1,519	0
Chatham Central	E01016025	7.04	1,686	7
Rochester East	E01016113	7.04	1,471	12
Rochester East	E01016114	7.04	1,543	2
Rochester East	E01016118	7.04	1,662	9
Rochester South and Horsted	E01016119	7.04	1,580	5

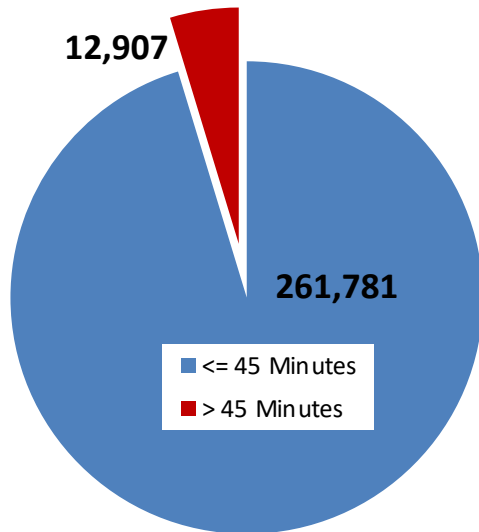
Overall, car journeys in Medway are not greatly affected by moving services from K&C to WHH.

Only 43 of the 162 LSOAs had travel times data for public transport therefore no analysis has been completed.

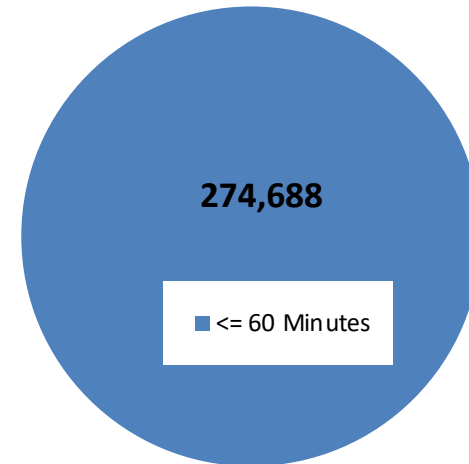
\*All Activity includes ED attendances, Admissions and Outpatient Appointments.

# Medway Population Travel Time: WHH Breakdown

Travel Time Under 45 Minutes



Travel Time 60 minutes and under



## Distance

The mean change from K&C to WHH is -1.1km and plus or minus two Standard Deviations (SD) is a range of +9.7km to -12km. There is only one LSOA, in South Rainham, which would have to travel two SDs above the mean change - an extra 9.9km.

## Time

The mean change from K&C to WHH is -1.23 minutes and plus or minus two SDs is a range of +8.7 mins to -11.2 mins. No LSOA has an increased journey time two SDs above the mean. The same LSOA in South Rainham only had an increase of 6.88 minutes to the travel time.

# Medway Population Travel Time: K&C to WHH Breakdown – Top 10 Changes

Ward Name	LSOA	AM Peak Drive Change (Minutes)	Population Affected	All Activity 2016/17*
Rainham South	E01016107	6.88	1,541	0
Rainham South	E01016101	6.47	1,507	7
Rainham North	E01016095	6.17	1,371	0
Rainham South	E01016102	6.17	1,528	45
Rainham South	E01016104	6.17	1,467	0
Rainham North	E01016098	6.17	1,424	12
Rainham Central	E01016089	6.16	1,594	28
Rainham North	E01016094	6.16	1,485	25
Rainham North	E01016097	6.16	1,493	0
Rainham South	E01016103	6.16	1,505	0

Ward Name	LSOA	Off Peak Drive Change (Minutes)	Population Affected	All Activity 2016/17*
Rainham South	E01016104	3.78	1,467	0
Rainham Central	E01016089	3.77	1,594	28
Rainham Central	E01016090	3.77	1,493	0
Rainham Central	E01016091	3.77	1,522	16
Rainham North	E01016093	3.77	1,689	17
Rainham North	E01016095	3.77	1,371	0
Rainham South	E01016099	3.77	1,536	19
Rainham South	E01016101	3.77	1,507	7
Rainham South	E01016107	3.77	1,541	0
Rainham Central	E01016087	3.77	1,845	40

Overall, car journeys in Medway are not greatly affected by moving services from K&C to WHH.

Only 43 of the 162 LSOAs had travel times data for public transport therefore no analysis has been completed.

\*All Activity includes ED attendances, Admissions and Outpatient Appointments.

# Medway Population AM Peak Drive Travel Time: K&C and WHH Comparison

K&C Average Travel Time (Weighted by Population)	WHH Average Travel Time (Weighted by Population)
40.5 minutes	39.2 minutes

As a whole there is very little difference between K&C and WHH for the patients of Medway. However, there will be pockets who are more affected than others by any service move to or from these sites. As can be seen below 39.4% of patients would have a slightly longer journey to WHH than K&C, however 60.6% would have a slightly shorter journey. The table below can simply be reversed for services switched from WHH to K&CH e.g. 60.6% would have a slightly longer journey.

## K&C to WHH

Change in Travel Time	Population	Percentage	Activity 2016/17*
5-7 mins longer	20,829	7.58%	209
0-5 mins longer	87,397	31.82%	967
0-5 mins shorter	91,760	33.41%	837
5-12 mins shorter	74,702	27.20%	564

## WHH to K&C

Change in Travel Time	Population	Percentage	Activity 2016/17*
5-12 mins shorter	20,829	7.58%	377
0-5 mins shorter	87,397	31.82%	364
0-5 mins longer	91,760	33.41%	503
5-7 mins longer	74,702	27.20%	98

\*All Activity includes ED attendances, Admissions and Outpatient Appointments.

# Indicative Train Travel Times

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# Indicative Travel Times by Train

	Canterbury (all stations) – mins	Ashford International - mins
Chatham	c. 40	c. 50
Gillingham	c. 35	c. 55
Rochester	c. 20	c. 47
Strood	c. 20	c. 43
Rainham	c. 38	c. 65
Cuxton	c. 70	c. 75
Halling	c. 80	c. 65
Sheerness	c. 58	c. 105
Higham	c. 75	c. 55
Snodland	c. 85	c. 65

- Ashford International Station is 2.8 miles from the William Harvey Hospital
- Canterbury East Station is 1.4 miles from the Kent and Canterbury Hospital
- Canterbury West Station is 2.1 miles from the Kent and Canterbury Hospital