



# Travel for Work Survey Report 2010

produced for

## TfW OVERALL RESULTS

by the Cambridgeshire Travel for Work  
Partnership



*Helping business get there!*

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## Introduction

This is the eleventh annual Travel for Work (TfW) survey in its current format. Based on employee responses, the survey provides a picture of the way TfW member employees get to work. These results are useful in monitoring the effect of workplace travel initiatives, especially when comparing year on year data.

This report provides an overall summary of results for the Travel for Work Partnership, based on those organisations that participated in the 2010 travel survey: specific individual reports are issued to participating employers with their own results. Please refer to **Appendix A** that contains a full list of those organisations that participated in the 2010 survey.

## The 2010 survey

We asked commuters about their journeys **to** work from Saturday 9<sup>th</sup> October to Friday 15<sup>th</sup> October 2010.

It is important to note, the annual travel survey is completed voluntarily; therefore, the number of respondents and those that take part in the survey varies each year, rendering direct year by year comparison problematic. For illustrative purposes, previous survey results are shown in the appropriate section.

## Number of one-way trips

Each year we report the total number of trips undertaken by employees getting **to** work during the survey week. This figure can be found at point 3 on the results form in **Appendix B**. This figure is for **all** trips made during the survey week, Saturday to Friday but does not include "home working".

## 'Other'

Some respondents indicate their mode of travel as 'other'. We have reviewed these responses and where information is available to identify one of the specific modes given in the survey list of options, their response has been altered.

## The Weather

If we have a choice of transport, the weather obviously affects our decision-making. **Appendix C** outlines the weather data for the survey week.

## Questions or Queries

If you have any questions or queries regarding your results or the survey in general please contact:

Travel for Work Partnership

Tel (01223) 715550

Email: [info@tfw.org.uk](mailto:info@tfw.org.uk)

## Facts and Figures for the 2010 TfW Survey

The below table shows the 2010 survey results for all participating TfW employers compared to the most up to date UK and East of England travel to work data.

Mode		GB Travel to Work Statistics 2009*	East of England Travel to Work Statistics*	TfW Survey 2010	
Bicycle		3%	5%	23%	
Car Share	Car	70%	76%	10%	52%
Drive Alone				42%	
Motorbike		1%	1%	1%	
Public Bus		8%	4%	6%	
Train		8%	2%	5%	
Walk		11%	11%	7%	
Other**		-	-	6%	

- Source: <http://www.dft.gov.uk/pgr/statistics/datatablespublications/tsgb/2009edition/>
- In addition to the specific travel modes identified in the table, the TfW survey also captures other travel options such as staff bus, other (e.g. taxi, air travel), other workplace and working from home.

- In total **97** organisations took part in the Travel for Work survey, with 52 from the Travel Plan Plus (TP+) area, giving a potential survey population of over 45,000 employees.
- **9,203** survey forms were submitted. 203 returns were "spoilt" and have been removed from the results, of which there were a significant number of duplicate entries (66).
- **9,000** valid forms were submitted to the 2010 TfW survey, down from 10,694 in 2009.
- An **overall participation rate of 17.94%** of the potential survey population, compared with 23.95% and 21.11% in 2009 and 2008, respectively.
- This year **13** organisations achieved a response rate over 50%, an increase of 2 from 2009.
- **21** organisations achieved an impressive drive alone figure of less than 35%.
- The **average distance to work is 10.2 miles** (16.4 kilometres) compared to 8.1 miles in 2009.
- **23** employers (13 within the TP+ area) employers took part for the first time or had not taken part last year.
- **38** organisations offered a prize draw.

## TfW – Modal Split Results 2010 (Core Group) (5 days – Monday 11th October to Friday 15th October 2010)

The following table shows the 2010 results of the Travel for Work “core” group. We have reported the five days, Monday to Friday, in this table.

<b>Mode</b>	<b>Oct 2001</b>	<b>Oct 2002</b>	<b>Oct 2003</b>	<b>Oct 2004</b>	<b>Oct 2005</b>	<b>Oct 2006</b>	<b>Oct 2007</b>	<b>Oct 2008</b>	<b>Oct 2009</b>	<b>Oct 2010</b>
<b>Bicycle</b>	21.9%	26.1%	23.3%	22.5%	23.2%	25.3%	24.1%	24.5%	24.7%	<b>26.4%</b>
<b>Car Share</b>	11.2%	11.4%	12.2%	11.1%	10.9%	10.9%	9.7%	10.8%	9.8%	<b>10.5%</b>
<b>Drive (alone)</b>	47.9%	41.2%	44.3%	44.8%	41.0%	39.8%	41.7%	38.7%	40.3%	<b>37.5%</b>
<b>Homeworking</b>	-	-	-	2.3%	1.8%	1.6%	1.9%	2.4%	2.0%	<b>2.1%</b>
<b>Motorbike</b>	1.5%	2.0%	1.7%	1.3%	1.8%	1.6%	1.6%	1.8%	1.1%	<b>1.2%</b>
<b>Other</b>	-	-	-	0.5%	1.8%	0.2%	0.3%	0.2%	1.5%	<b>0.1%</b>
<b>Other Workplace</b>	-	-	-	1.0%	2.0%	1.8%	2.0%	2.1%	2.0%	<b>1.9%</b>
<b>Public Bus</b>	6.6%	7.8%	6.2%	6.7%	6.5%	7.7%	7.7%	7.8%	7.0%	<b>7.4%</b>
<b>Staff Bus</b>	1.1%	0.9%	0.5%	0.8%	0.8%	0.8%	0.6%	0.4%	0.4%	<b>0.3%</b>
<b>Telework</b>	0.9%	1.3%	2.4%	-	-	-	-	-	-	<b>-</b>
<b>Train</b>	2.3%	2.3%	2.7%	2.9%	3.0%	3.2%	3.8%	3.9%	3.3%	<b>4.5%</b>
<b>Walk</b>	6.6%	7.0%	6.7%	6.1%	7.2%	6.9%	6.5%	7.6%	7.9%	<b>8.0%</b>

Notes on table:

1. The above table is based on 7 “core” employers that allow year on year comparisons to be made.
2. The seven core Employers are: Cambridge City Council, GO-East (Government Office for East of England), Marshall Group of Companies, South Cambridgeshire District Council, University of Cambridge, Cambridgeshire County Council and Huntingdonshire District Council.

The overall 2010 survey results, based on all participating TfW organisations, are shown in **Appendix A**.

## TfW – Summary Results 2010

### Commute Time

Respondents were asked about how long their commute to work takes on a normal day. The 2010 results for all participating TfW employers for the survey week (Saturday to Friday) are shown compared to the equivalent 2009 results.

	<i>No Responses</i>	<i>All TfW Employers 2010</i>	<i>All TfW Employers 2009</i>
<b>&lt; 20 mins</b>	3,151	<b>35.04%</b>	35.42%
<b>21 to 40 mins</b>	3,310	<b>36.81%</b>	38.50%
<b>41 to 60 mins</b>	1,685	<b>18.74%</b>	18.06%
<b>61 to 90 mins</b>	645	<b>7.17%</b>	6.36%
<b>91 mins+</b>	201	<b>2.24%</b>	1.66%
<b>Total</b>	<b>8,992</b>	<b>100.00%</b>	100.00%

### Average Distance Travelled

In 2010 the average one-way distance travelled to work by respondents who gave their home postcode was 16.41km (10.2 miles). This is greater than the 2009 figure and is the second highest recorded distance since 2004.

<i>Year</i>	<i>Average Distance Travelled</i>
<b>2010</b>	16.41km (10.20 miles)
<b>2009</b>	13.12km (8.20 miles)
<b>2008</b>	15.75km (9.78miles)
<b>2007</b>	16.47km (10.23miles)
<b>2006</b>	14.71km (9.14miles)
<b>2005</b>	13.89km (8.63miles)
<b>2004</b>	12.67km (7.87miles)

### Longest and Shortest Journeys

The longest one-way journey made was 264km (164miles) and was made by car.

The shortest journey was 36 metres and was made by someone walking to work.

## Drive Alone

The 2001 census showed that 12.6% of Cambridgeshire driving commuters drove less than 2km (1.25miles) to work. Over the past five years, the percentage of TfW survey respondents driving less than 2km has remained relatively consistent at approximately 5%. There may be potential for some of these trips to be completed by other greener and healthier travel modes.

<b>Year</b>	<b>% of Drive alone trips less than 2km</b>
<b>2010</b>	5.32%
<b>2009</b>	4.68%
<b>2008</b>	5.30%
<b>2007</b>	4.68%
<b>2006</b>	5.57%
<b>2005</b>	3.88%
<b>2004</b>	5.53%

## Park & Ride

496 respondents used the Park and Ride buses at some point during the survey, equating to 5.52% of all respondents. This figure is consistent with the percentages recorded for the 2009 and 2008 surveys (5.80% and 5.74%, respectively) and marginally higher than the 2007 figure (4.12%).

## Park & Cycle

223 respondents, equating to 2.48%, used Park and Cycle either at the Park and Ride sites in Cambridge or - for University staff - at the West Cambridge site. This figure is marginally lower than the 2009 figure (2.74%) and modestly higher than the 2008 figure (2.16%).

## Travel Plan Recognition

35.31% of all respondents indicated that they knew that their employer had a travel plan, greater than the 2009 and 2008 figures (31.81% and 33.9%, respectively).

## TfW - CO<sub>2</sub> Emissions 2010 (Emissions for full survey week: Sunday to Friday)

Defra (in a document entitled *2010 Guidelines to Defra / DECC's GHG Conversion Factors for Company Reporting*) provides average conversion factors for the calculation of CO<sub>2</sub> emissions for a number of transport modes.

The Travel for Work survey reports on:

- Number of trips by mode (eg. car, car share, motorbike, bus, staff bus, train)
- Average distance travelled by mode

It is possible to calculate the total CO<sub>2</sub> emissions by transport mode for each participating company for the survey week by using the formula:

$$\text{Total kg CO}_2 = \text{No of Trips (by mode - provided from the survey)} \times \text{Average Distance (km) travelled (by mode - Provided from the survey)} \times \text{Conversion factor (kg CO}_2 \text{ per km)}$$

*The Defra document provides different conversion factors by transport mode*

The car share conversion factor is adjusted by a factor of 2.4 to account for the average car occupancy amongst commuters who car share (2004, Cairns et al).

<b>Mode</b>	<b>No of Trips</b>	<b>Average Distance (km)</b>	<b>Conversion Factor (kg CO<sub>2</sub> per unit)<sup>1</sup></b>	<b>Total KG CO<sub>2</sub> (kg) (average)</b>
Car - Petrol	11,434	21.452	0.2107	<b>51,681</b>
Car - Diesel	6,040	21.452	0.1950	<b>25,261</b>
Car - LPG	63	21.452	0.2142	<b>288</b>
Car - Hybrid	112	21.452	0.1647	<b>397</b>
Carshare - Petrol	2,628	18.798	0.2107 <sup>(a)</sup>	<b>4,337</b>
Carshare - Diesel	1,388	18.798	0.1949 <sup>(a)</sup>	<b>2,120</b>
Carshare - LPG	26	18.798	0.1647 <sup>(a)</sup>	<b>33</b>
Carshare - Hybrid	14	18.798	0.2141 <sup>(a)</sup>	<b>24</b>
Motorbike	485	15.438	0.1161	<b>869</b>
Public Bus	2,657	11.438	0.1339	<b>4,071</b>
Staff Bus	71	19.333	0.1573	<b>216</b>
Train	2,052	37.520	0.0534	<b>4,111</b>
<b>TOTAL</b>				<b>93,408</b>

<sup>1</sup> Source: DEFRA 2010 Guidelines to GHG Conversion Factors (6<sup>th</sup> August 2010)

<sup>a</sup> Divided by 2.4 to account for average car occupancy (2004, Cairns et al)

## Appendix A - List of Participating TfW Employers

Anglia Ruskin University  
Babraham Institute  
Bidwells  
Cambourne Business Park  
Cambridge Business Park  
**Cambridge City Council**  
Cambridge Housing Society  
Cambridge Newspapers Ltd  
Cambridge Regional College  
Cambridge Science Park  
**Cambridge University Hospitals NHS Foundation Trust (Addenbrooke's)**  
Cambridge Water Company  
**Cambridgeshire County Council**  
Cambridgeshire Highways  
Cambridgeshire Horizons  
Carter Jonas  
City of Ely Community College  
East Cambridgeshire District Council  
English Heritage  
Environment Agency  
Ernst & Young (Cambridge)  
Eversheds LLP  
Fauna & Flora International  
**GO East**  
Granta Park

Hills Road Sixth Form College  
Hinchingsbrooke Health Care NHS Trust  
**Huntingdonshire District Council**  
Huntingdonshire Regional College  
IQ Cambridge  
John Lewis  
Kall Kwik (Cambridge)  
Marshall Group of Companies  
Mills & Reeve LLP  
Mott MacDonald  
MRC Addenbrookes

NHS Blood and Transplant  
**NHS Cambridgeshire**  
NHS East of England  
Papworth Hospital NHS Foundation Trust  
Pi Shurlok  
Sagentia Ltd  
Sepura  
**South Cambridgeshire District Council**  
St Faith's School  
St Johns Innovation Park  
Taylor Vinters  
The Grafton  
UNEP World Conservation Monitoring Centre  
**University of Cambridge**

\*bold denotes TfW Steering Group member organisation

## Appendix B -TfW Employer Results

All      Parent           

1. Number of respondents	<input type="text" value="9000"/>			
2. Percentage of workforce	<input type="text" value="17.94%"/>			
3. Number of trips recorded*	<input type="text" value="41038"/>			
4. Average number of trips per respondent	<input type="text" value="4.5598"/>			
5. Average distance travelled (km)	<input type="text" value="16.412"/>			
6. Longest distance travelled by mode	Mode <input type="text" value="car"/>	Distance <input type="text" value="264.096625"/>		
7. Shortest distance travelled by mode	Mode <input type="text" value="walk"/>	Distance <input type="text" value="0.03623534"/>		
8. Average distance travelled by mode	Bicycle <input type="text" value="3.8045"/>	Car Share <input type="text" value="18.798"/>	Drive (alone) <input type="text" value="21.452"/>	Home <input type="text" value="45.508"/>
	Motorbike <input type="text" value="15.438"/>	Other <input type="text" value="15.325"/>	Other Workplace <input type="text" value="26.54"/>	Public Bus <input type="text" value="11.438"/>
	Staff Bus <input type="text" value="19.333"/>	Train <input type="text" value="37.520"/>	Walk <input type="text" value="1.9753"/>	
9. Drive alone - percentage of respondents and distance	Less than 2km <input type="text" value="5.32%"/>	2.1-5km <input type="text" value="11.15%"/>	5.1-10km <input type="text" value="15.70%"/>	10.1-20km <input type="text" value="29.07%"/>
	20.1-30km <input type="text" value="19.74%"/>	30.1-40km <input type="text" value="6.84%"/>	More than 40km <input type="text" value="12.18%"/>	
10. Modal Split - Monday to Friday	Bicycle <input type="text" value="9578"/>	<input type="text" value="23.42%"/>	Other Workplace <input type="text" value="1029"/>	<input type="text" value="2.52%"/>
	Car Share <input type="text" value="4004"/>	<input type="text" value="9.79%"/>	Public Bus <input type="text" value="2571"/>	<input type="text" value="6.29%"/>
	Drive (alone) <input type="text" value="17272"/>	<input type="text" value="42.24%"/>	Staff Bus <input type="text" value="69"/>	<input type="text" value="0.17%"/>
	Home <input type="text" value="793"/>	<input type="text" value="1.94%"/>	Train <input type="text" value="2033"/>	<input type="text" value="4.97%"/>
	Motorbike <input type="text" value="475"/>	<input type="text" value="1.16%"/>	Walk <input type="text" value="2999"/>	<input type="text" value="7.33%"/>
	Other <input type="text" value="66"/>	<input type="text" value="0.16%"/>	No work <input type="text" value="4049"/>	
11. Modal Split -Saturday & Sunday	Bicycle <input type="text" value="262"/>	<input type="text" value="26.73%"/>	Other Workplace <input type="text" value="21"/>	<input type="text" value="2.14%"/>
	Car Share <input type="text" value="52"/>	<input type="text" value="5.31%"/>	Public Bus <input type="text" value="86"/>	<input type="text" value="8.78%"/>
	Drive (alone) <input type="text" value="377"/>	<input type="text" value="38.47%"/>	Staff Bus <input type="text" value="2"/>	<input type="text" value="0.20%"/>
	Home <input type="text" value="38"/>	<input type="text" value="3.88%"/>	Train <input type="text" value="19"/>	<input type="text" value="1.94%"/>
	Motorbike <input type="text" value="10"/>	<input type="text" value="1.02%"/>	Walk <input type="text" value="110"/>	<input type="text" value="11.22%"/>
	Other <input type="text" value="3"/>	<input type="text" value="0.31%"/>	No work <input type="text" value="17008"/>	
12. Park and Ride responses	Number <input type="text" value="496"/>	% <input type="text" value="5.52%"/>		
13. Park and Cycle responses	Number <input type="text" value="223"/>	% <input type="text" value="2.48%"/>		
14. Does my employer have a travel plan	Yes <input type="text" value="3173"/>	% <input type="text" value="35.31%"/>		
	No <input type="text" value="956"/>	% <input type="text" value="10.64%"/>		
	Don't know <input type="text" value="4857"/>	% <input type="text" value="54.05%"/>		
15. Do you know who to contact?	Yes <input type="text" value="5205"/>	% <input type="text" value="57.92%"/>		
	No <input type="text" value="3782"/>	% <input type="text" value="42.08%"/>		

\* No. of trips Sat - Fri excl. home working

## Appendix C - Weather View for the Survey Week 2010

(Source: <http://www.cl.cam.ac.uk/research/dtg/weather/>)

### Saturday 9<sup>th</sup> October 2010 - 8am

- Cloudy
- Dry
- Wind 4 knots (Light Breeze) – North Easterly
- Temp 14.5<sup>o</sup>C

### Sunday 10<sup>th</sup> October 2010 - 8am

- Clear (Sunny)
- Dry
- Wind 2.7 knots (Light Breeze) - North Westerly
- Temp 10.9<sup>o</sup>C

### Monday 11<sup>th</sup> October 2010 - 8am

- Clear (Sunny)
- Dry
- Wind 5.2 knots (Light Breeze) - North Westerly
- Temp 9.6<sup>o</sup>C

### Tuesday 12<sup>th</sup> October 2010 - 8am

- Cloudy
- Dry
- Wind 3.2 knots (Light Breeze) – North Westerly
- Temp 10.5<sup>o</sup>C

### Wednesday 13<sup>th</sup> October 2010 - 8am

- Cloudy
- Dry
- Wind 3.0 knots (Light Breeze) – North Westerly
- Temp 8.8<sup>o</sup>C

### Thursday 14<sup>th</sup> October 2010 - 8am

- Cloudy
- Drizzle
- Wind 3.8 knots (Light Breeze) – North Westerly
- Temp 7.6<sup>o</sup>C

### Friday 15<sup>th</sup> October 2010 - 8am

- Cloudy
- Drizzle
- Wind 3.0 knots (Light Breeze) – North Westerly
- Temp 8.4<sup>o</sup>C