



Travel for Work Survey Report 2011

produced for

TfW OVERALL RESULTS

by the Cambridgeshire Travel for Work
Partnership



Helping business get there!

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Introduction

This is the twelfth 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 2011 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 2011 survey.

The 2011 survey

We asked commuters about their journeys **to** work from Saturday 8th October to Friday 14th October 2011.

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

Facts and Figures for the *full* 2011 TfW Survey

In the table below the full 2011 TfW survey results are compared against 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 2011	
Bicycle		3%	5%	22%	
Car Share	Car	70%	76%	10%	56%
Drive Alone				46%	
Motorbike		1%	1%	1%	
Public Bus		8%	4%	5%	
Train		8%	2%	4%	
Walk		11%	11%	7%	

* Source: <http://www.dft.gov.uk/pgr/statistics/datatablespublications/tsgb/2009edition/>

- In total **76** organisations took part in the Travel for Work survey, with 24 from the Travel Plan Plus (TP+) area, giving a potential survey population of over 45,000 employees.
- **10,261** completed survey forms were received. 189 returns were "spoilt" and have been removed from the results. There were a significant number of duplicate entries (79) followed by incorrect/incomplete/unknown home or work postcodes.
- **10,072** valid responses were received in 2011, compared to 9,000 in 2010.
- An **overall participation rate of 16.54%** of the potential survey population, compared with 17.94% and 23.95% in 2010 and 2009, respectively.
- This year **21** organisations (**5 within the TP+ area**) achieved a response rate over 50%, an increase of 8 from 2010. A further 12 organisations attained a participation rate of more than 40%.
- **18 (2 within the TP+ area)** achieved an impressive drive alone figure of less than 35%
- The **average distance to work is 9.6 miles (15.53kms)**, compared with 9.9 miles (16.4kms) in 2010.
- **19 (5 within the TP+ area)** employers took part for the first time or had not taken part last year.
- **25 (6 within the TP+ area)** organisations offered a prize draw.

TfW – Modal Split Results 2011 (Core Group)

(5 days – Monday 10th October to Friday 14th October 2011)

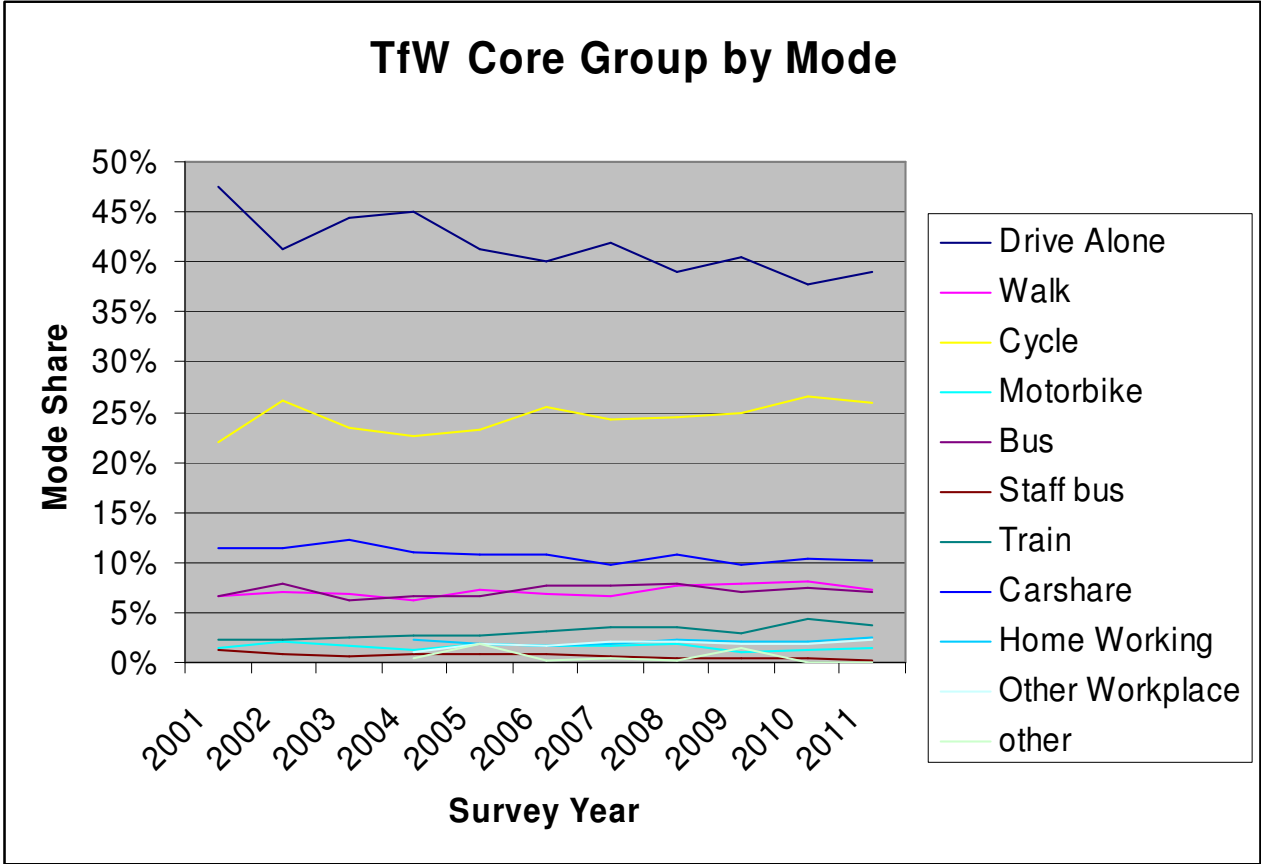
The following table shows the 2011 results of the Travel for Work “core” group. We have reported the five days, Monday to Friday, in this table. The overall 2010 survey results, based on all participating TfW organisations, are shown in **Appendix A**.

Mode	Oct 2001	Oct 2002	Oct 2003	Oct 2004	Oct 2005	Oct 2006	Oct 2007	Oct 2008	Oct 2009	Oct 2010	Oct 2011
Drive (alone)	47.5%	41.2%	44.4%	45.0%	41.2%	40.0%	41.9%	38.9%	40.6%	37.7%	39.0%
Walk	6.6%	7.0%	6.7%	6.2%	7.2%	6.9%	6.6%	7.7%	8.0%	8.1%	7.4%
Cycle	22.1%	26.1%	23.4%	22.5%	23.3%	25.5%	24.3%	24.6%	24.8%	26.5%	26.0%
Motorbike	1.5%	2.0%	1.7%	1.3%	1.8%	1.6%	1.6%	1.8%	1.1%	1.2%	1.4%
Bus	6.6%	7.8%	6.2%	6.6%	6.5%	7.7%	7.7%	7.8%	7.0%	7.4%	7.0%
Staff Bus	1.1%	0.9%	0.5%	0.8%	0.8%	0.9%	0.6%	0.4%	0.4%	0.3%	0.3%
Train	2.3%	2.2%	2.6%	2.7%	2.8%	3.0%	3.5%	3.6%	3.0%	4.3%	3.8%
Car Share	11.3%	11.4%	12.2%	11.1%	10.8%	10.8%	9.6%	10.7%	9.7%	10.4%	10.1%
Homeworking	-	-	-	2.3%	1.8%	1.6%	1.9%	2.2%	2.0%	2.0%	2.6%
Other Workplace	-	-	-	0.9%	1.9%	1.8%	2.0%	2.1%	1.9%	1.9%	2.3%
Other	-	-	-	0.5%	1.8%	0.2%	0.4%	0.2%	1.5%	0.1%	0.1%

Notes on table:

1. The above table is based on 6 “core” employers that allow year on year comparisons to be made.
2. The six core Employers are: Cambridge City Council, Marshall Group of Companies, South Cambridgeshire District Council, University of Cambridge, Cambridgeshire County Council and Huntingdonshire District Council.

The following chart illustrates the core group's change in travel mode by survey year.



TfW – Summary Results 2010

Commute Time

Respondents were asked about how long their commute to work takes on a normal day. The 2011 results for all participating TfW employers for the survey week (Saturday to Friday) are shown compared to 2009 and 2010 results.

	No Responses	All TfW Employers 2011	All TfW Employers 2010	All TfW Employers 2009
< 20 mins	3,672	36.50%	35.04%	35.42%
21 to 40 mins	3,816	37.93%	36.81%	38.50%
41 to 60 mins	1,765	17.54%	18.74%	18.06%
61 to 90 mins	627	6.23%	7.17%	6.36%
91 mins+	180	1.79%	2.24%	1.66%
Total	10,060	100.00%	100.00%	100.00%

Busway Usage

Respondents were asked whether they had used the Busway for any of their journeys during the survey week. 430 respondents indicated they had used the Busway during the survey week.

Average Distance Travelled

In 2011 the average one-way distance travelled to work by respondents who gave their home postcode was 15.58km (9.7 miles). This is less than the 2010 figure and is the lowest recorded since 2006.

Year	Average Distance Travelled
2011	15.58km (9.68 miles)
2010	16.41km (10.20 miles)
2009	13.12km (8.20 miles)
2008	15.75km (9.78miles)
2007	16.47km (10.23miles)
2006	14.71km (9.14miles)
2005	13.89km (8.63miles)
2004	12.67km (7.87miles)

Longest and Shortest Journeys

The longest one-way journey made was 356km (221 miles) 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.

Year	% of Drive alone trips less than 2km
2011	5.45%
2010	5.32%
2009	4.68%
2008	5.30%
2007	4.68%
2006	5.57%
2005	3.88%
2004	5.53%

Park & Ride

350 respondents used the Park and Ride buses at some point during the survey, equating to 3.48% of all respondents. This figure is lower than the percentages recorded for the 2010, 2009 and 2008 surveys (5.52%, 5.80% and 5.74%, respectively).

Park & Cycle

179 respondents, equating to 1.78%, 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 lower than the 2010, 2009 and 2008 figures (2.48%, 2.74% and 2.16% respectively).

Travel Plan Recognition

32.56% of all respondents indicated that they knew that their employer had a travel plan, which is consistent with 2010, 2009 and 2008 figures (35.31%, 31.81% and 33.9%, respectively).

TfW - CO₂ Emissions 2011 (Emissions for full survey week: Sunday to Friday)

Defra (in a document entitled *2011 Guidelines to Defra / DECC's GHG Conversion Factors for Company Reporting*) provides average conversion factors for the calculation of CO₂ 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 CO₂ 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).

Mode	No of Trips	Average Distance (km)	Conversion Factor (kg CO₂ per unit)¹	Total KG CO₂ (kg) (average)	Percentage of CO₂
Car - Petrol	1381	19.556	0.2076	56,105	84%
Car - Diesel	7693	19.556	0.1918	28,857	
Car - LPG	58	19.556	0.2116	238	
Car - Hybrid	17	19.556	0.1381	46	
Carshare - Petrol	3052	17.932	0.2076	4,734	7%
Carshare - Diesel	1699	17.932	0.1918	2,435	
Carshare - LPG	4	17.932	0.2116	6	
Carshare - Hybrid	13	17.932	0.1381	13	
Motorbike	516	15.988	0.1161	957	1%
Public Bus	2416	11.03	0.1475	3,932	4%
Staff Bus	369	12.781	0.1843	869	1%
Train	1834	34.518	0.0534	3,381	3%
TOTAL				101,573	100%

¹ Source: DEFRA 2011 Guidelines to GHG Conversion Factors (8th August 2011)

^a Divided by 2.4 to account for average car occupancy (2004, Cairns et al)

Appendix A - List of Participating TfW Employers

1Spatial
Abcam
Addenbrooke's
Amgen
Astex Therapeutics
Babraham Institute
BBC
Breathing Buildings
Broadcom
Cambourne Business Park
Cambridge Centre for Sixth Form Studies
Cambridge City Council

Cambridge Consultants
Cambridge Crystallographic Data Centre
Cambridge Electronic Design Limited
Cambridge Housing Society
Cambridge Regional College
Cambridge Silicon Radio
Cambridge Water Company
Cambridgeshire County Council
Cancer Research UK
Carter Jonas
Charles Tallack Engineering
Dr Reddy's
Corpus Christi College
East Cambridgeshire District Council
English Heritage
Environment Agency
Ernst & Young
Eversheds LLP
Fauna & Flora International
Futureneering (CSP Innovation Centre)
Genzyme
Grafton Centre
Granta Park
Hazard Chase
Hills Road Sixth Form College

Hinchingsbrooke Healthcare NHS Trust
HSBC Bank plc
Huntingdonshire District Council
Huntingdonshire Regional College
IPV Limited
Jagex
Kings School Ely
Marshalls
Mills & Reeve
Mott MacDonald
MPW
Medical Research Council (Addenbrooke's Units)
NAPP
NEC
NHS Blood and Transplant
NHS Midlands & East
Oakland Innovation Ltd
Papworth Hospital NHS Foundation Trust
Pembroke College
ProQuest
Quotient Bioresearch
Redgate
Royal Society of Chemistry
Sagentia group
Sepura Plc
South Cambridgeshire District Council
St. Faith's School
Takeda
Taylor Vinters
The Insolvency Service
Turners Distribution
Ultra Electronics
UNEP-WCMC
University of Cambridge
UoC Faculty of Education
Wood Green Animal Shelter
Xaar

*bold denotes TfW or Travel Plan Plus project Steering Group member organisation

Appendix B -TfW Employer Results

All Parent

1. Number of respondents	10072							
2. Percentage of workforce	16.54%							
3. Number of trips recorded*	46014							
4. Average number of trips per respondent	4.5685							
5. Average distance travelled (km)	15.537							
6. Longest distance travelled by mode	Mode	Distance 356.526563						
7. Shortest distance travelled by mode	Mode	Distance 0.03623534						
8. Average distance travelled by mode	Bicycle	3.6066	Car Share	17.932	Drive (alone)	19.556	Home	42.305
	Motorbike	15.988	Other	25.33	Other Workplace	22.198	Public Bus	11.030
	Staff Bus	12.781	Train	34.518	Walk	2.4375		
9. Drive alone - percentage of respondents and distance	Less than 2km	5.45%	2.1-5km	10.19%	5.1-10km	16.00%	10.1-20km	30.80%
	20.1-30km	18.27%	30.1-40km	7.54%	More than 40km	11.75%		
10. Modal Split - Monday to Friday	Bicycle	9871	21.51%	Other Workplace	1170	2.55%		
	Car Share	4701	10.24%	Public Bus	2363	5.15%		
	Drive (alone)	21123	46.02%	Staff Bus	365	0.80%		
	Home	933	2.03%	Train	1807	3.94%		
	Motorbike	504	1.10%	Walk	3008	6.55%		
	Other	54	0.12%	No work	4429			
11. Modal Split -Saturday & Sunday	Bicycle	264	24.00%	Other Workplace	38	3.45%		
	Car Share	66	6.00%	Public Bus	53	4.82%		
	Drive (alone)	461	41.91%	Staff Bus	4	0.36%		
	Home	52	4.73%	Train	27	2.45%		
	Motorbike	12	1.09%	Walk	115	10.45%		
	Other	8	0.73%	No work	19033			
12. Park and Ride responses	Number	350	%	3.48%				
13. Park and Cycle responses	Number	179	%	1.78%				
14. Does my employer have a travel plan	Yes	3277	%	32.56%				
	No	1175	%	11.68%				
	Don't know	5611	%	55.76%				
15. Do you know who to contact?	Yes	5716	%	56.81%				
	No	4346	%	43.19%				

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

Appendix C - Weather View for the Survey Week 2011

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

Saturday 8th October 2011 - 8am

- Cloudy
- Dry
- Wind 6.1 knots (Light Breeze) – Westerly
- Temp 10.5^oC

Sunday 9th October 2011 - 8am

- Cloudy
- Dry
- Wind 4.9 knots (Light Breeze) – South Westerly
- Temp 15.5^oC

Monday 10th October 2011 - 8am

- Cloudy
- Dry
- Wind 12.2 knots (Moderate Breeze) –South Westerly
- Temp 15.5^oC

Tuesday 11th October 2011 - 8am

- Partly Cloudy
- Dry
- Wind 12.7 knots (Moderate Breeze) –South Westerly
- Temp 16.4^oC

Wednesday 12th October 2011 - 8am

- Cloudy
- Dry
- Wind 7.2 knots (Gentle Breeze) –South Westerly
- Temp 15.0^oC

Thursday 13th October 2011 - 8am

- Cloudy
- Dry
- Wind 2.5 knots (Light Air) – North Easterly
- Temp 12.3^oC

Friday 14th October 2011 - 8am

- Partly Cloudy
- Dry
- Wind 0.8 knots (Calm) – Easterly
- Temp 11.4^oC