

# Hands Up Scotland 2010

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## National Results

May 2011



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Head Office  
Sustrans  
2 Cathedral Square  
College Green  
Bristol  
BS1 5DD

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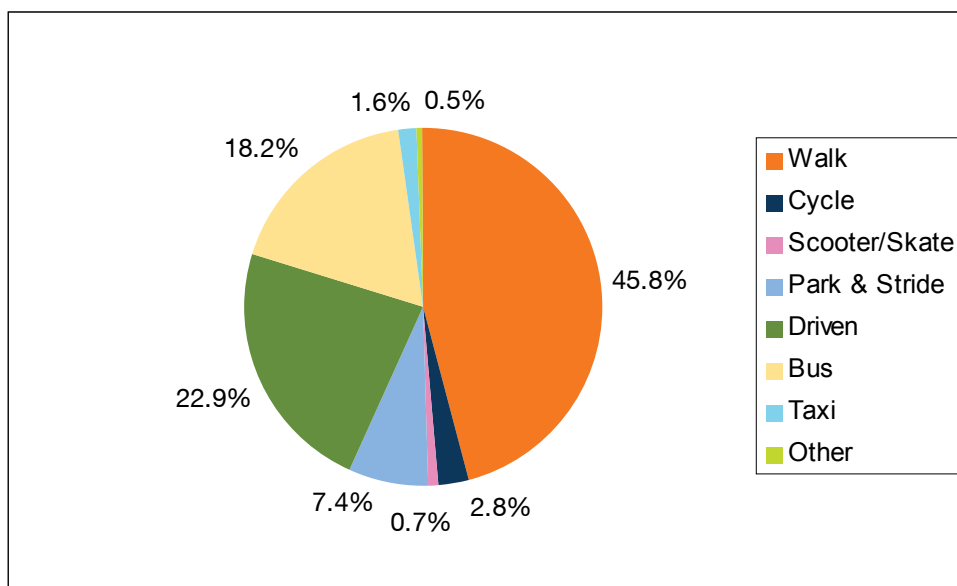
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# 1 Executive Summary

This report presents the national level data from the 2010 Hands Up Scotland Survey. It is accompanied by an appendix document which presents the data at a local authority level. The survey is a joint project between Sustrans and Scottish local authorities. The Hands Up Scotland Survey, which was first delivered in 2008, is the first national dataset in Scotland designed to look at mode of travel to school across the country. In 2009 and 2010 the survey was repeated using the same methodology. In all years the question ‘How do you normally travel to school?’ was asked over the same one week period in September.

**Chart 1-1 Breakdown of travel modes at a national level, excluding nursery schools (2010)**



## Active travel

- 49.3% of pupils surveyed in 2010 said they normally travel to school in an active way (walking, cycling, using a scooter or a skate board). The equivalent percentage was 49.9% in 2009 and 51.8% in 2008 [Table 4-4]
- Walking was the most frequent form of active travel in 2010 (45.8%), 2009 (47.0%) and 2008 (48.3%) [Table 4-4]
- 2.8% of pupils said they normally travel to school by bicycle in 2010, 2.3% chose this option in 2009 and 2.8% in 2008 [Table 4-4].

## Motorised travel

- 22.9% of pupils said they are normally driven to school in 2010 (23.3% in 2009 and 22.0% in 2008) [Table 4-4]
- 18.2% of pupils said they normally take the bus to school in 2010, similar to 18.1% in 2009 and 18.2% in 2008 [Table 4-4]
- 7.4% of pupils said they usually travel by park and stride (i.e. driven part of the way to school and walking the rest) in 2010, with 6.7% choosing this option in 2009 and 6.1% in 2008 [Table 4-4].

## Primary school compared to secondary school

- Secondary school pupils are less likely than primary school pupils to travel to school actively. 43.3% of secondary school pupils said they normally travel to school in an active way in 2010, 44.2% in 2009 and 44.6% in 2008, compared to 53.5% of primary school pupils saying they normally travel by active modes in 2010, 53.3% in 2009 and 56.0% in 2008 [Table 4-5]
- Primary school pupils are more likely than secondary school pupils to cycle to school. 3.7% of primary school pupils said they normally cycle to school in 2010, 3.0% in 2009 and 3.4% in 2008, compared to 1.2% of secondary school pupils in 2010, 1.2% in 2009 and 1.6% in 2008 [Table 4-5]
- Secondary school pupils are more likely than primary school pupils to travel to school by bus. In 2010, 36.0% of secondary school pupils said they normally travel to school by bus (35.9% in 2009 and 37.2% in 2008), and 8.0% of primary school pupils said they normally travel to school by bus (8.5% in 2009 and 8.7% in 2008) [Table 4-5]
- Car use appears to decrease from primary to secondary school. In 2010, 27.3% of primary school pupils (27.9% in 2009, 26.1% in 2008) and 14.8% of secondary school pupils said they normally travel by car (14.3% in 2009, 12.7% in 2008) [Table 4-5].

## State school compared to independent school

- Independent school pupils are less likely to travel to school in an active way than those in state schools, with 21.2% of independent school pupils saying they normally travel to school in an active way in 2010 (25.2% in 2009, 29.8% in 2008) compared to 49.8% of state school pupils (50.1% in 2009, 52.2% in 2008) [Table 4-5]
- A higher proportion (43.5%) of independent school pupils than state school pupils said they normally travel to school by car in 2010, with 22.7% of state school pupils saying they travel in this way. This pattern was repeated in both 2009 (53.1% of independent school pupils, 23.1% of state school pupils) and 2008 (42.4% of independent school pupils, 21.7% of state school pupils) [Table 4-5].

## Nursery schools

- In 2010, 48.2% of those responding on behalf of nursery school pupils said the pupil(s) in question are usually driven to school (47.0% in 2009), with 40.4% recorded as usually walking to school in 2010 (41.0% in 2009) [Table 4-6]
- 2.1% of nursery school pupils were reported as usually cycling/being cycled to school in 2010 and 1.6% in 2009 [Table 4-6].

For more information on any aspect of Hands Up Scotland please contact Katie Glass, Senior Project Officer in Sustrans' Research and Monitoring Unit: [katie.glass@sustrans.org.uk](mailto:katie.glass@sustrans.org.uk). A technical report is available on request.

## 2 Introduction to Survey

The Hands Up Scotland Survey is the largest national dataset to look at mode of travel to school across Scotland. The Survey is a joint project between Sustrans and Scottish local authorities. The Survey was first conducted in 2008 in partnership with School Travel Co-ordinators across Scotland. The process has been repeated in 2009 and 2010 using the same methodology. Assuming the Hands Up Scotland Survey continues in future years we will be able to plot trends in the travel behaviours of Scottish school pupils over time.

The Hands Up Scotland Survey runs on an annual basis in the autumn of each year. Data collection is conducted by schools, instructed by their local authority officer, with support from Sustrans. Data collection took place between 7 and 11 September 2010 (the same week as the 2008 and 2009 Surveys). The question asked in the Hands Up Scotland Survey is, 'How do you normally travel to school?', with the following response options: Walk, Cycle, Scooter/Skate, Park and Stride (driven part of the way and walk the rest), Driven, Bus, Taxi and Other. Completed forms were returned by the school to their local authority, who collated school-level datasets and returned the data to Sustrans. Overall collation, analysis and reporting has been conducted by Sustrans' Research and Monitoring Unit.

## 3 Background notes

### Response rates

- All local authorities were invited to take part in the national Hands Up Scotland Survey. In 2010, 32 local authorities participated and the total sample comprised of 439,401 pupils (from 1,987 schools) across Scotland. In 2009, 31 local authorities participated, with a sample size of 415,804 pupils (from 1,939 schools). In 2008, 29 local authorities took part in the Survey and there were 396,377 responses (from 1,824 schools) [Table 4-1]
- The response rates as a percentage of the school roll have been calculated using the Scottish Government's school statistics. The 'all' percentage includes state primary and secondary schools and state SEN schools but not independent or nursery schools (the 'all' percentage can not, therefore, be interpreted as a percentage of the total national school roll). This is because the Scottish Government does not collect school roll data for these school types and it is therefore not possible to calculate the response rates from pupils at these school types as a percentage of the equivalent national school roll [Table 4-1]
- The above limitation also applies at a local authority level [Table 1-1 of the appendix].

### Sampling methodology and weighting

- It should be noted that weather conditions have an impact on travel choices. As the Survey is carried out over a short period - one week - the potentially differing weather conditions may impact upon travel behaviours each year, although the phrasing of the question - 'How do you usually travel to school?' - aims to overcome this limitation as much as possible
- As we do not record the names of respondents we do not know whether the same pupils are responding each year, and data is not weighted to take this, or the fact that the same schools may not respond each year, into account. This may impact upon the results.

### Interpreting results

- Due to the unique structure of nursery schools, nursery data is presented separately throughout this report, and has not been included in the overall data at the national and local authority level. Independent school data is, however, amalgamated into the overall data, other than in the sample size tables, as noted above

- SEN data is from state SEN schools only. We received no responses from independent SEN schools
- Where the sample size is small (totalling less than 100), care should be taken when interpreting results. It should also be noted that there are instances where sample sizes are small due to the size of the local authority. Moreover, fields/local authorities with a small number of responses may see large changes in percentage between years
- Due to rounding, row percentages may not always add up to 100%
- Where a percentage represents a value between one and four pupils, it has been replaced with an asterisk (\*) for data confidentiality purposes. Where data is missing/not available it has been replaced with a dash (-)
- Although this report includes results from three consecutive years of Hands Up Scotland, due to the importance of considering broader factors such as national campaigns, changeable weather patterns and the impact of the recession, it is important to avoid attempting to make conclusions too soon by comparing year-on-year results. However, as the Survey continues to be delivered in future years we will be able to establish whether any trends are emerging over time
- Please note that due to additional data being made available after the publication of the 2009 Hands Up Scotland Survey, some results have been updated and may differ from those previously published.

## 4 National Results

**Table 4-1 National sample size**

Level	No. of respondents			% of Scottish school roll		
	2008	2009	2010	2008	2009	2010
Primary Schools	260,505	268,242	276,193	70.3%	73.2%	75.7%
Secondary Schools	129,161	144,436	157,483	42.6%	47.8%	52.4%
SEN Schools	133	440	2,094	2.1%	6.9%	32.2%
<b>All Primary, Secondary &amp; SEN Schools</b>	389,799	413,118	<b>435,770</b>	57.3%	61.2%	<b>64.9%</b>
Independent Schools	6,578	2,686	3,631	-	-	-
<b>TOTAL</b>	396,377	415,804	<b>439,401</b>	-	-	-

**Table 4-2 National sample size for nursery schools**

Level	No. of respondents			% of Scottish school roll <sup>1</sup>		
	2008	2009	2010	2008	2009	2010
<b>Nursery</b>	-	7,999	13,349	-	-	-

<sup>1</sup> These figures are not available as the Scottish Government does not publish data on nursery school roll figures.

**Table 4-3 School sample numbers on which analysis is based**

School Type	Year	No. of schools which received survey	No. of schools which returned data	% of schools which returned data	No. of schools with data split by class	% of schools with data split by class
Nursery	2009	306	238	77.8%	Not applicable	
	<b>2010</b>	<b>601</b>	<b>387</b>	<b>64.4%</b>		
Primary	2008	2,029	1,587	78.2%	1,352	66.6%
	2009	1,980	1,658	83.7%	1,199	60.6%
	<b>2010</b>	<b>2,051</b>	<b>1,676</b>	<b>81.7%</b>	<b>1,247</b>	<b>60.8%</b>
Secondary	2008	334	219	65.6%	154	46.1%
	2009	317	251	79.2%	198	62.5%
	<b>2010</b>	<b>338</b>	<b>264</b>	<b>78.1%</b>	<b>221</b>	<b>65.4%</b>
Independent	2008	37	13	35.1%	8	21.6%
	2009	21	11	52.4%	6	28.6%
	<b>2010</b>	<b>24</b>	<b>10</b>	<b>41.7%</b>	<b>7</b>	<b>29.2%</b>
SEN	2008	7	5	71.4%	2	28.6%
	2009	43	19	44.2%	4	9.3%
	<b>2010</b>	<b>66</b>	<b>37</b>	<b>56.1%</b>	<b>17</b>	<b>25.8%</b>
All Schools	2008	2,407	1,824	75.8%	1,516	63.0%
	2009	2,361	1,939	82.1%	1,407	59.6%
	<b>2010</b>	<b>2,479</b>	<b>1,987</b>	<b>80.2%</b>	<b>1,492</b>	<b>60.2%</b>

**Table 4-4 Breakdown of travel modes at a national level**

Year	Walk	Cycle	Scooter /Skate	Park & Stride	Driven	Bus	Taxi	Other	Total
<b>2008</b>	48.3%	2.8%	0.7%	6.1%	22.0%	18.2%	1.4%	0.5%	396,377
<b>2009</b>	47.0%	2.3%	0.6%	6.7%	23.3%	18.1%	1.6%	0.4%	415,804
<b>2010</b>	<b>45.8%</b>	<b>2.8%</b>	<b>0.7%</b>	<b>7.4%</b>	<b>22.9%</b>	<b>18.2%</b>	<b>1.6%</b>	<b>0.5%</b>	<b>439,401</b>



**Table 4-5 Breakdown of travel modes by school type**

School Type	Year	Walk	Cycle	Scooter/ Skate	Park & Stride	Driven	Bus	Taxi	Other	Total
Primary	2008	51.6%	3.4%	1.0%	7.4%	26.1%	8.7%	1.6%	0.2%	260,505
	2009	49.5%	3.0%	0.8%	8.4%	27.9%	8.5%	1.7%	0.2%	268,242
	<b>2010</b>	<b>48.7%</b>	<b>3.7%</b>	<b>1.0%</b>	<b>9.4%</b>	<b>27.3%</b>	<b>8.0%</b>	<b>1.6%</b>	<b>0.2%</b>	<b>276,193</b>
Secondary	2008	42.8%	1.6%	0.2%	3.6%	12.7%	37.2%	1.0%	0.9%	129,161
	2009	42.8%	1.2%	0.2%	3.5%	14.3%	35.9%	1.2%	0.9%	144,436
	<b>2010</b>	<b>41.9%</b>	<b>1.2%</b>	<b>0.2%</b>	<b>4.1%</b>	<b>14.8%</b>	<b>36.0%</b>	<b>1.1%</b>	<b>0.7%</b>	<b>157,483</b>
Independent	2008	27.2%	1.9%	0.6%	7.1%	42.4%	18.3%	0.4%	2.0%	6,578
	2009	22.6%	1.6%	1.0%	6.3%	53.1%	14.3%	0.2%	0.9%	2,686
	<b>2010</b>	<b>19.4%</b>	<b>1.7%</b>	<b>0.2%</b>	<b>5.0%</b>	<b>43.5%</b>	<b>23.1%</b>	<b>0.2%</b>	<b>7.0%</b>	<b>3,631</b>
SEN	2008	13.5%	*	0.0%	4.5%	6.8%	47.4%	26.3%	*	133
	2009	4.3%	*	0.0%	*	7.3%	54.1%	33.9%	0.0%	440
	<b>2010</b>	<b>4.5%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>2.9%</b>	<b>24.7%</b>	<b>20.9%</b>	<b>25.3%</b>	<b>21.3%</b>	<b>2,094</b>

**Table 4-6 Breakdown of travel modes to nursery school**

Year	Walk	Cycle	Scooter /Skate	Park & Stride	Driven	Bus	Taxi	Other	Total
<b>2008</b>	-	-	-	-	-	-	-	-	-
<b>2009</b>	41.0%	1.6%	1.1%	4.4%	47.0%	3.0%	1.8%	0.2%	7,999
<b>2010</b>	<b>40.4%</b>	<b>2.1%</b>	<b>1.4%</b>	<b>3.6%</b>	<b>48.2%</b>	<b>2.8%</b>	<b>1.2%</b>	<b>0.2%</b>	<b>13,349</b>

**Table 4-7 Breakdown of travel modes by school type and year group**

School Type	Year	Walk	Cycle	Scooter/ Skate	Park & Stride	Driven	Bus	Taxi	Other	Total
Primary Years 1-4	2008	49.7%	2.6%	1.2%	7.2%	29.2%	8.1%	1.7%	0.3%	130,161
	2009	47.9%	2.3%	1.0%	8.1%	31.5%	7.3%	1.6%	0.2%	133,494
	<b>2010</b>	<b>46.9%</b>	<b>2.7%</b>	<b>1.3%</b>	<b>9.5%</b>	<b>30.9%</b>	<b>6.8%</b>	<b>1.6%</b>	<b>0.2%</b>	<b>137,359</b>
Primary Years 5-7	2008	54.4%	4.2%	0.5%	8.1%	22.1%	9.1%	1.5%	0.2%	97,044
	2009	53.5%	3.2%	0.3%	9.7%	23.4%	8.4%	1.4%	0.2%	96,610
	<b>2010</b>	<b>52.8%</b>	<b>4.2%</b>	<b>0.5%</b>	<b>10.4%</b>	<b>22.9%</b>	<b>7.6%</b>	<b>1.4%</b>	<b>0.2%</b>	<b>97,611</b>
Secondary Years 1-3	2008	42.0%	1.8%	0.1%	4.0%	12.1%	38.3%	1.1%	0.7%	55,212
	2009	42.6%	1.1%	0.1%	4.2%	13.9%	36.0%	1.2%	0.9%	69,960
	<b>2010</b>	<b>40.5%</b>	<b>1.2%</b>	<b>0.2%</b>	<b>4.5%</b>	<b>14.7%</b>	<b>36.9%</b>	<b>1.2%</b>	<b>0.7%</b>	<b>79,115</b>
Secondary Years 4-6	2008	42.9%	1.2%	0.2%	3.2%	14.6%	35.5%	1.1%	1.4%	34,453
	2009	41.7%	0.9%	0.3%	2.9%	16.2%	35.7%	1.1%	1.2%	46,872
	<b>2010</b>	<b>40.4%</b>	<b>0.9%</b>	<b>0.3%</b>	<b>3.9%</b>	<b>16.4%</b>	<b>36.5%</b>	<b>1.0%</b>	<b>0.8%</b>	<b>51,587</b>
Independent Primary Years 1-4	2008	17.5%	2.6%	*	6.4%	63.5%	8.9%	*	*	920
	2009	14.1%	1.0%	1.3%	8.8%	63.9%	10.4%	*	*	781
	<b>2010</b>	<b>12.4%</b>	<b>2.3%</b>	<b>*</b>	<b>5.0%</b>	<b>73.2%</b>	<b>6.0%</b>	<b>*</b>	<b>*</b>	<b>799</b>
Independent Primary Years 5-7	2008	20.8%	2.7%	1.6%	2.7%	50.9%	19.0%	1.1%	1.3%	448
	2009	14.2%	1.1%	*	7.9%	52.4%	22.2%	*	1.4%	571
	<b>2010</b>	<b>14.5%</b>	<b>1.3%</b>	<b>*</b>	<b>9.8%</b>	<b>53.9%</b>	<b>19.9%</b>	<b>0.0%</b>	<b>*</b>	<b>773</b>
Independent Secondary Years 1-3	2008	18.4%	1.2%	*	10.3%	38.5%	29.0%	*	2.3%	824
	2009	10.3%	0.0%	0.0%	10.3%	56.4%	23.1%	0.0%	0.0%	78
	<b>2010</b>	<b>14.5%</b>	<b>*</b>	<b>0.0%</b>	<b>3.4%</b>	<b>34.8%</b>	<b>45.2%</b>	<b>0.8%</b>	<b>*</b>	<b>620</b>

**Table 4-7 Breakdown of travel modes by school type and year group (continued)**

School Type	Year	Walk	Cycle	Scooter/ Skate	Park & Stride	Driven	Bus	Taxi	Other	Total
<b>Independent Secondary Years 4-6</b>	2008	18.0%	1.4%	*	5.6%	35.9%	33.5%	*	4.8%	516
	2009	*	0.0%	0.0%	0.0%	58.5%	35.4%	*	*	65
	<b>2010</b>	<b>20.7%</b>	<b>1.4%</b>	<b>0.0%</b>	<b>4.3%</b>	<b>32.5%</b>	<b>39.9%</b>	<b>*</b>	<b>1.0%</b>	<b>624</b>
<b>SEN Primary Years 1-4</b>	2008	*	*	0.0%	13.6%	*	70.5%	*	0.0%	44
	2009	*	0.0%	0.0%	0.0%	*	46.3%	41.5%	0.0%	41
	<b>2010</b>	<b>*</b>	<b>0.0%</b>	<b>0.0%</b>	<b>*</b>	<b>10.3%</b>	<b>18.3%</b>	<b>57.1%</b>	<b>11.9%</b>	<b>126</b>
<b>SEN Primary Years 5-7</b>	2008	-	-	-	-	-	-	-	-	-
	2009	0.0%	0.0%	0.0%	0.0%	*	61.1%	33.3%	*	36
	<b>2010</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>14.6%</b>	<b>45.8%</b>	<b>39.6%</b>	<b>0.0%</b>	<b>48</b>
<b>SEN Secondary Years 1-3</b>	2008	-	-	-	-	-	-	-	-	-
	2009	0.0%	0.0%	0.0%	0.0%	*	80.4%	15.2%	*	46
	<b>2010</b>	<b>5.8%</b>	<b>*</b>	<b>*</b>	<b>4.0%</b>	<b>41.4%</b>	<b>19.0%</b>	<b>5.7%</b>	<b>23.4%</b>	<b>667</b>
<b>SEN Secondary Years 4-6</b>	2008	-	-	-	-	-	-	-	-	-
	2009	0.0%	*	0.0%	0.0%	*	76.7%	16.3%	0.0%	43
	<b>2010</b>	<b>8.8%</b>	<b>*</b>	<b>*</b>	<b>2.3%</b>	<b>36.3%</b>	<b>21.0%</b>	<b>7.8%</b>	<b>23.1%</b>	<b>523</b>