

Getting children active: the contribution of active transportation

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Impacts of these changes

- Traffic and congestion increase, leading to a vicious circle of fears about safety in traffic leading to less cycling and walking and more car use
- Deterioration in
 - -Local air quality
 - -Journey times
 - -Competitiveness of local business







For more information on the British Government's policies and actions Go to :http://www.dft.gov.uk/stellent/groups/dft_abo ut/documents/page/dft_about_026788.hcsp Or, click on <u>http://www.dft.gov.uk/</u>, and then on 'Information for Parents, Teachers and Schools'









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The numbers of children involved					
	Male	Female	Total		
Year 6	54	58	112		
(age 10-11)					
Year 8	42	41	83		
(age 12-13)					
, Total	96	99	105		
	50	55			
Five other children did not supply enough information to be included					





[±]UCI **Disaggregation of activities** Structured activities Unstructured activities (clubs and tuition) (playing) • Unstructured ball • Structured ball games games • Other structured • Other unstructured sport sport • Organisations • Other outdoor play • Tuition







LICI Energy used in a week in school travel compared with PE/games



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Activities per week classified by				
method of trav	vel			
	Walk	Car	Other	Total
School	2.6	1.4	0.5	4.6
Clubs & tuition	0.3	0.8	0.0	1.2
Playing	0.7	0.4	0.0	1.2
Out on trips	0.6	1.7	0.2	2.4
Other homes	1.5	1.4	0.2	3.1
Other	0.3	0.3	0.0	0.7
Total	5.9	6.1	1.1	13.1
			-75.	

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Activities per week classified by method of travel

2.6 0.3 0.7	1.4 0.8 0.4	0.5 0.0 0.0	4.6 1.2 1.2
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5.9	6.1	1.1	13.1
-	1.5 0.3 5.9	0.0 1.7 1.5 1.4 0.3 0.3 5.9 6.1	0.0 1.7 0.2 1.5 1.4 0.2 0.3 0.3 0.0 5.9 6.1 1.1

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		±UCL		
Intensity of activities classified by method of travel used				
	Walk	Car		
PE and games	3.5	2.4		
Other lessons	0.6	0.5		
School break	2.0	1.7		
Clubs & tuition	1.7	1.6		
Playing	2.4	2.0		
Out on trips	1.5	1.0		
Other homes	1.1	0.8		
Overall	1.7	1.3		





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The impact of walking buses - topics covered

- The process of setting up the walking bus
- The perceived benefits and disbenefits from the point of view of the school, the coordinator, the volunteers and the children
- The attitudes of the children using it and those who had ceased using it
- The barriers to setting up walking buses



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Conclusions

- The British government has a increasing walking and cycling to school as an explicit objective
- It is funding a number of initiatives to achieve this
- It is possible to establish children's activity levels over the day objectively
- Children can obtain significant quantities of physical activity during their everyday lives
- Walking to school can provide significant quantities of exercise
 - comparable in scale to PE lessons



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More conclusions

- Unstructured physical activities tend to use more calories than the equivalent structured ones
- Children are least active when they are at home, hence they should be encouraged to be out of the home
- Children who walk to activities are more active when they arrive than those who travel by car
- Children who walk more than they use the car, tend to be more active generally than those who use the car more



