

the **research** solution

**WARWICK DISTRICT
TOURISM ECONOMIC IMPACT ASSESSMENT
2006**

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FINAL REPORT

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Introduction

The Economic Impact Assessment of tourism in Warwick District has been undertaken using a model developed by Geoff Broom Associates in partnership with the Regional Tourist Boards and has been compiled and written by The Research Solution, an independent market research agency.

The assessment focuses upon the estimates of the overall volume of visitors coming into the district in 2006, expenditure in the local economy and the number of jobs that are dependent upon tourism.

The Economic Impact Assessment considers localised data such as the average accommodation occupancy levels and visitor numbers to the district's tourism attractions. Therefore, the assessment includes the most current localised information available (primarily 2006). The national survey data that forms the Cambridge Economic Impact Assessment Model's key driver template is based on 2006 results.

Cambridge Model Version II

Since the inception of the original Cambridge Model approach, a number of changes have occurred to the model's methodology and the context of operation.

- ◇ More destination managers have become active in commissioning local research
- ◇ The range of data available to feed into the modelling process has increased
- ◇ Local government requirements – such as Best Value – have created a demand for higher quality tourism statistics.

Furthermore the combined body of experience shared by Geoff Broom Associates, the regional tourist boards and The Research Solution has provided a further impetus for the development of a more powerful and sophisticated approach.

This much more sophisticated version of the Cambridge Model features of a number of enhancements. These include:

- ◇ inclusion of impact of second homes, marinas/ boat moorings and paying guests in private homes e.g. language school host families
- ◇ analysis of impact of other types of 'non-trip expenditure' associated with tourism e.g. spending by local residents hosting friends and relative stays, expenditure on second homes and boats
- ◇ more detailed economic impact analysis
- ◇ use of more detailed data on local occupancies, wage rates etc to inform local data outputs

Changes in Day Visits

Day visitor estimates for individual counties and districts are based on information collected in the Leisure Day Visits Survey. The latest data is taken from the 2005¹ Survey which provides information at regional level on the number of trips taken to countryside, town and coastal destinations.

The current day visitor model used in the Cambridge model distributes trips from origin counties to destination counties, using the propensity of resident populations to make trips and the attractiveness of the destination county for such trips compared to alternative competing destinations. The likelihood of any particular trip between the origin and destination county taking place is conditioned by the distance to the destination county and the relative attractiveness of competing counties and the distance to the latter.

The attractiveness of any particular district is based on a number of drivers. Thus the visits to attractions in the district are taken into account. Such visits only account for a 10% of town trips, 24% of countryside and 9% of coastal trips. For town trips, the volume of employment in retail and entertainment is taken as a proxy measure for the remaining town trips; the area of countryside weighted to take account of national park and/or AONB status as a proxy measure for remaining countryside trips and length of coastline and jobs as proxy measures for remaining coastal trips.

The 2005 leisure day trip survey indicated a fall in the number of town trips, with falls in the propensity to take countryside trips in some regions and a rise in other regions. However, it also showed a substantial rise in the average spend per trip so that although the volume of tourism day trips declined overall the total expenditure associated with those trips rose.

The current day visitor model was introduced in 2003 and varies from the previous model in that the latter did not take account of origin and distance in allocating trips across the region. Therefore the figures for earlier years are not directly comparable with more recent estimates.

The definition of tourism day trips is taken as those trips taken on an irregular basis and lasting 3 hours or more.

¹ The latest Leisure Day Visits Survey was undertaken in 2005

Events and Factors affecting Volume and Value in Warwickshire in 2006

Climate: 2006 was generally a warm and sunny year in England, with average sunshine levels for the year 13% above normal and maximum temperatures on average 1.6 degrees Celsius above normal. Overall, rainfall for the year was about average, but with some notably wet and dry periods. Easter fell during April, which was a notably dry month. Sunshine levels in June were 123% above average and July 158% above, with little rain, but in August the level of sunshine was 11% below average and rainfall was well above average. September and November also saw high sunshine levels, 119% and 148% above average, respectively. These variations from the norm were fairly consistent across all regions of England².

World events: Travellers' choices of destination are likely to have been influenced by the ETA car bomb in Madrid in February 2005, attacks on tourists in Cairo in April and the Bali bombings of October.

UK events: The War on Terror - The 7th July London bombings, which hit London's public transport system. Security was increased at airport security checkpoints, due to the terrorist plot involving aircraft travelling from the UK to the US.

Sport: In July, the IOC awarded the 2012 Summer Olympics to London. In March, the 2006 Commonwealth Games took place in Melbourne. In June/July the 2006 FIFA World Cup was held in Germany.

Economy: 2006 was the first full year when the Licensing Act 2003 came into force, introducing greater flexibility in the opening hours of licensed premises. In December Peugeot produced their last car at the Ryton Plant, signalling the end of mass car production in Coventry. Ongoing work on the West Coast mainline caused disruption to passengers, particularly at weekends and Bank Holidays.

Currency: The US Dollar weakened against the Pound through 2005 and then strengthened through 2006. The Euro was at a low against the Pound at the start of 2005 but generally improved through 2005 and 2006, although there were falls in Summer 2005 and Spring & Summer 2006, which probably affected the rates found by holidaymakers.

² (Source: VisitBritain. Visitor Attraction Trends England 2006)

Basis for Economic Impact

The main economic impact of tourism arises from visitor spending in businesses in the district. Such spending takes place in:

- ◇ accommodation outlets
- ◇ retail shops ranging from grocers and bakers through to clothing and specialist souvenir and gift shops
- ◇ catering establishments including cafes, restaurants, pubs and fast food outlets
- ◇ visitor attractions and entertainment venues
- ◇ garage and transport services.

Tourism spending, results in increased turnover within the receiving establishments. A proportion of that turnover is used to pay wages and salaries of employees, whose jobs are therefore supported by visitor spending. The proportion of jobs dependent on visitor spending will vary with the type of establishment. For example, the majority of jobs in accommodation outlets depend upon tourism, but in other sectors such as public transport only a small proportion of jobs are supported by visitor spending.

The jobs in establishments used by visitors are directly supported by tourist expenditure. Additional jobs arise as a result of linkages between the businesses in direct receipt of visitor spending and other sectors such as wholesale distribution and other services. The number of these indirect jobs will depend upon the extent to which local businesses use suppliers and service providers based in the district as opposed to those operating from outside.

In addition to the direct and indirect jobs, further employment is generated by what is termed the induced or multiplier effect. Such jobs arise from the expenditure of wages earned by people in the jobs directly and indirectly supported by visitors.

The Model

The 'Cambridge Model' as the product is known, has been developed to make use of local level information. The Model is operated at one of five levels, depending upon the range and quality of local level information. Where there is a lack of local material the Model is able to incorporate data based on regional or national research to produce tourism estimates.

As previously mentioned, the base economic formula makes use of 2006 tourism statistics from the United Kingdom Tourism Survey (UKTS), the International Passenger Survey (IPS) and economic / job ratios for that year. On top of this base, 2006 visitor figures to Tourist Attractions and national day visitor characteristics from the UK Day Visitor Survey (2006) have been added to enhance the model, with 2006 Warwick District and Heart of England Tourist Board Accommodation Occupancy Surveys.

Changes to UKTS

In May 2005 the four national tourist boards introduced a new methodology for the United Kingdom Tourism Survey replacing a telephone survey methodology with a face-to-face survey methodology.

The change was brought about as a result of doubts in the validity of the survey data produced by the telephone methodology, which in 2004 produced significant drops in the levels of domestic tourism, going against other survey data and industry feedback.

As the new survey commenced in May 2005, VisitBritain and the other national tourist boards have estimated the number of trips for the period January to April 2005.

Limitations

The 2006 model provides an invaluable basis for deriving sound estimates of volume, expenditure and employment. However, the very nature of tourism, with large numbers of individuals moving in and out of the district for varying lengths of time presents considerable difficulties in providing accurate estimates. It is acknowledged that there will be some underestimate of:

- Business and conference visitors who do not stay overnight, and will not normally be caught in a day time on-street survey
- The night time economy, with visitors who are only in during the evenings

Types of Visitor

The two main types of visitor that the Tourism Economic Impact Assessment is based around are:

- a) **Day Visitors:** The “day out” market - visitors who start their journey from home outside of the district and return there on the same day. It includes independents and groups.
- b) **Overnight Visitors:** Those visitors who spend one or more nights in Warwick District. This sector of the market includes those staying with friends and family as well as those using commercial accommodation.

Specific sectors of the whole visitor market include segments other than those on holiday for pleasure. These include:

- * **Visiting Friends & Relatives** - VFR movements include friends and family making visits from anywhere in the country to anywhere within Warwick District. This type of visitor can either be a day, touring or overnight visitor.
- * **Educational tourism** - includes language schools, field courses and short courses in vacations at academic institutions. These mainly occur outside of normal college term time, where more residential accommodation is available.
- * **Business visits** - generally a higher spending segment, for a specific purpose, primarily for business/ conference/ exhibition purposes, rather than ‘pleasure’ led.

Reporting of the Figures in the Model

Throughout the report, most figures for trips, nights and spend are rounded to the nearest 1,000, since the model itself generates figures which imply a level of accuracy that is not realistic in terms of tourism, where one can only talk in general figures about large numbers of people on the move.

VOLUME OF TOURISM

Introduction

The key drivers for the Model are the known accommodation stock available and the occupancy levels achieved.

The accommodation database has been compiled in conjunction with the client, utilising local knowledge in order to produce a comprehensive accurate count of actual stock available in Warwick District. The following stock includes all known accommodation including National Accommodation Scheme as well as eligible and non-eligible establishments.

Accommodation Stock in Warwick District	
◇ Hotel / guesthouse/inns	3,535 bedspaces
◇ Bed & Breakfast/Farms	191 bedspaces
◇ Self Catering	133 bedspaces
◇ Touring Caravans/Tents	99 Pitches
◇ Group accommodation	130 bedspaces
◇ Second homes	127 bedspaces
◇ Marinas	100 berths

NB - Second homes data is based on the 2001 Census: Language schools data based on 'English in Britain' and the Yellow Pages.

Occupancy Levels

Information on monthly occupancy levels achieved in the serviced sector is not available for Warwick District as the sample is too small to analyse.

The bedspace occupancy level for Warwickshire is 40% and bedroom occupancy is 50%. This is slightly below the West Midlands Regional occupancy levels of 43% for bedspace occupancy and 62% for bedroom occupancy.

1.0 Overnight Visits to Warwick District

Application of occupancy levels to known stock provides estimates of the number of visits or trips to the district, a trip being any length of time stay away from home. The Occupancy Survey of serviced accommodation together with Regional data provides the UK/Overseas split. The table below presents the number of overnight trips (not length of stay) made to commercial serviced and non-serviced accommodation in Warwick District.

Table1: Overnight Trips by Commercial Accommodation						
	UK	%	OVERSEAS	%	TOTAL	%
Serviced accommodation	559,000	96%	27,000	71%	586,000	95%
Self Catering	3,000	1%	0	0%	3,000	0%
Caravans/Tents	8,000	1%	0	0%	8,000	1%
Group/campus	1,000	0%	0	0	1,000	0%
Paying guest	0	0	4,000	11%	4,000	1%
Boat moorings	6,000	1%	0	0%	6,000	1%
Other	3,000	1%	7,000	18%	10,000	2%
Total	579,000	100%	39,000	100%	618,000	100%

NB – ‘other’ includes overnight trips in, boats, religious missions, transit accommodation etc

NB – tables may not add up exactly due to the rounding of the figures in the model

In addition to visitors who use the commercial forms of accommodation presented above, there are visitors who stay overnight with friends or relatives in the district (VFR). Estimates of overnight visits to friends/relatives are based upon the regional average of trips generated per head of resident population, which is around 1.3 trips per head of population.

The population of Warwick District is estimated to be approximately 132,900 (ONS population estimate census data 2006). The table below indicates the proportion of commercial trips compared to VFR trips generated by the local population. Around 14% of all overnight trips stay with friends and family, which is significantly below the regional average of 46%.

Commercial	618,000	86%
VFR	104,000	14%
Total	722,000	100%

2.0 Purpose of Overnight Visits to Warwick District

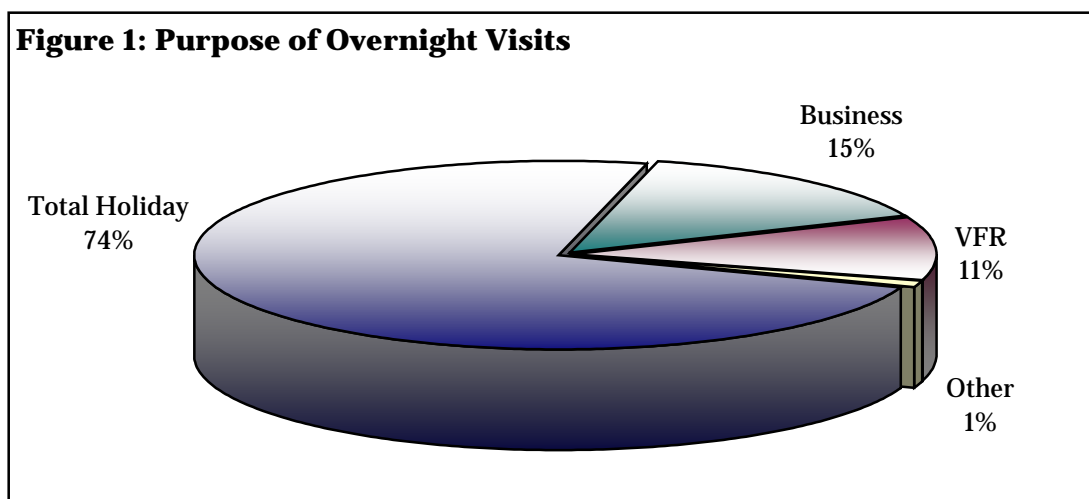
The table and chart below indicate the breakdown of all 722,000 trips made to the area by purpose of visit.

	Domestic	%	Overseas	%	Total	%
Total holiday	522,000	78%	9,000	16%	531,000	74%
Business	78,000	12%	28,000	50%	106,000	15%
VFR	61,000	9%	15,000	27%	76,000	11%
Other	6,000	1%	5,000	8%	11,000	1%
Total	666,000	100%	56,000	100%	722,000	100%

NB - tables may not add up exactly due to the rounding of the figures in the model

NB - 'other' includes study

Over the full year, overseas visitors account for around 8% of all overnight trips to the district. For the overnight visitor market as a whole, visits for holiday purposes accounts for 74% and those on business represent 15% of visits.



There is a variation between the purpose of trip and accommodation used in the case of VFR. Of the 722,000 trips made to the district, 76,000 (11%) were for the primary purpose of visiting friends/relatives. In terms of the potential accommodation used, the figure is higher at 104,000 showing that far more may stay with friends/relatives but identify an alternative prime motivation i.e. 'holiday', 'other' or 'business' for the trip.

3.0 Bednights Generated by Purpose of Visit

Research into the district's visitor markets has shown that different sorts of visitors stay for different lengths of time and that their levels of expenditure vary according to the length and purpose of visit. The figures below are currently based upon regional and district averages by the various sectors.

The table shows that in 2006 the total number of nights spent in the Warwick District amounted to 1,852,000 dominated by holidays (62%) and visitors on business (13%).

	Domestic	%	Overseas	%	Total	%
Total holiday	1,103,000	80%	52,000	11%	1,155,000	62%
Business	158,000	12%	82,000	17%	240,000	13%
VFR	98,000	7%	122,000	25%	220,000	12%
Other	12,000	1%	224,000	47%	236,000	13%
Total	1,372,000	100%	480,000	100%	1,852,000	100%

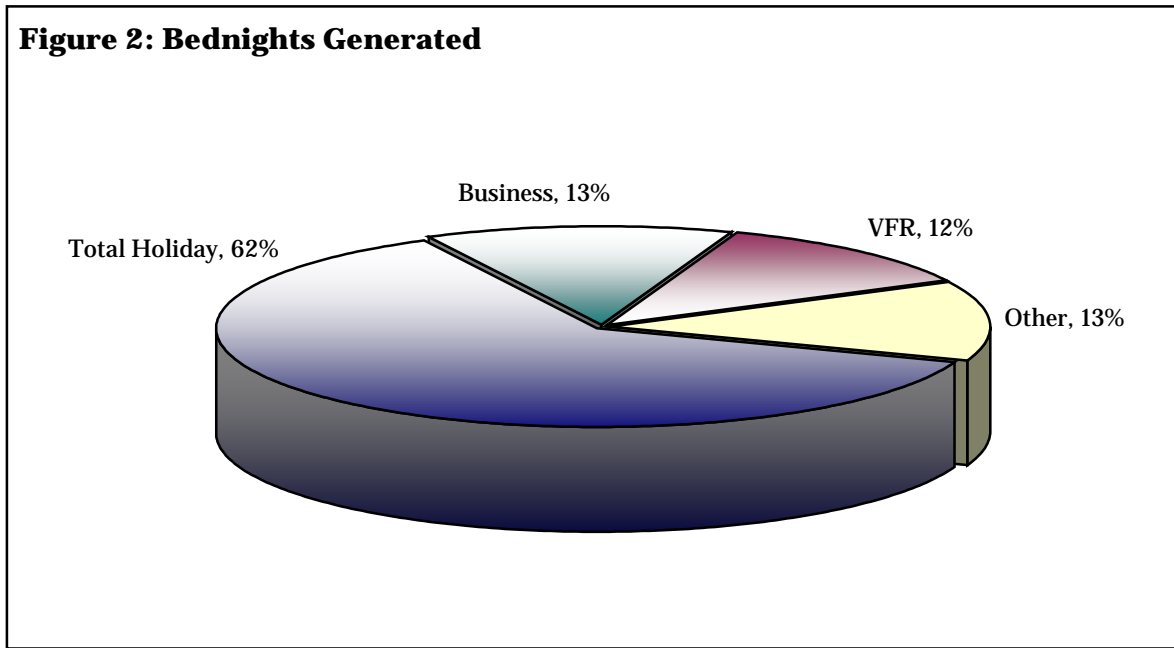
NB - table may not add up exactly due to the rounding up/down of figures

NB - 'other' includes study

Around 26% of all visitor nights spent in Warwick District are by visitors from overseas.

The chart below indicates the percentages of all bednights generated by purpose in Warwick District during 2006.

Figure 2: Bednights Generated



4.0 Day and Overnight Visits to Warwick District

Segmenting the visitor market according to the type of trip being made to an area is very important. The two most obvious markets are:

Overnight - Tourists who stay overnight in Warwick District.

Day Visit - Visitors who start their trip from home and return there on the same day.

In the case of a destination such as Warwick District, it is not surprising to find that all day visitors are UK residents. The overnight market contains a domestic and overseas element.

An estimate of the number of day visitors is made by using the ratio of resident to non-resident visitors to all attractions, numbers of visitors to attractions, local population; the distance from other population centres and other sources of day visitor behaviour based upon the 2006 United Kingdom Day Visitor Survey.

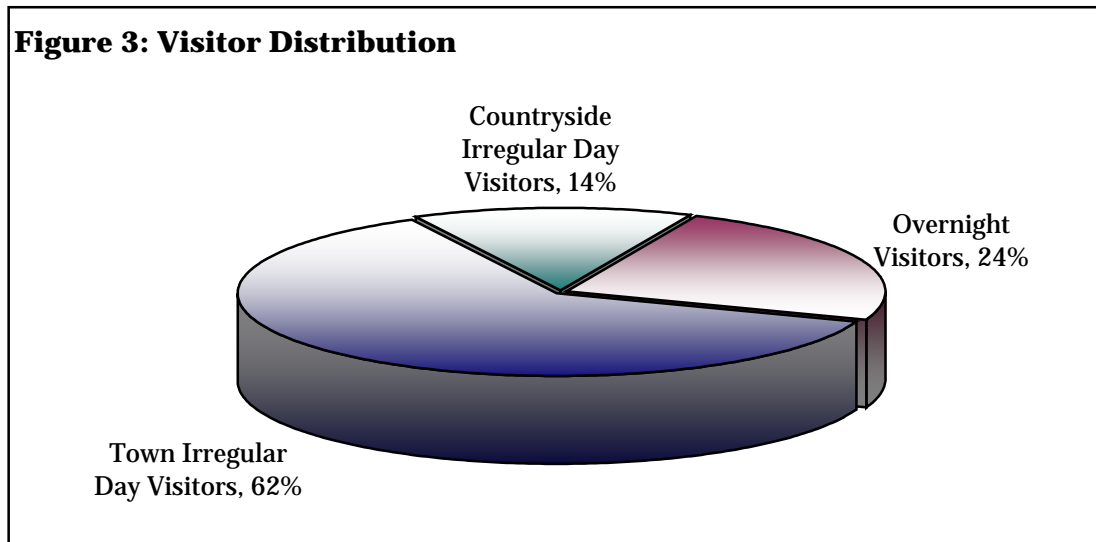
The basis for day visiting is for irregular day visits, which last for three hours or more and are taken on an irregular basis, not for example, regular weekly shopping trips. There is no distance factor involved, thus 'irregular day visitors' include infrequent theatre or attraction visits, lasting over three hours, including local residents. These proportions are translated into total numbers of visitors in the table below.

	Domestic	Overseas	Total	%
<i>Overnight Visitors</i>	666,000	56,000	722,000	24%
<i>Town Irregular Day Visitors</i>	1,860,000	N/A	1,860,000	62%
<i>Countryside Irregular Day Visitors</i>	431,000	N/A	431,000	14%
Total	2,957,000	56,000	3,013,000	100%

Irregular day trips are defined as those lasting 3 hours or more but taken on an irregular basis without distance travelled as a defining factor.

Approximately 3.0 million visitors come to Warwick District, comprising around 2.3 million day visitors and 0.7 million overnight visitors.

The chart below indicates the total breakdown of visitors.



5.0 Visitor Flows in Warwick District

Taking the days spent by day visitors together with the days (nights) spent by those staying overnight provides an overall figure for visitor flows. The 3.0 million visitors to the Area spent approximately 1.9 million nights and 2.3 million days in Warwick District.

The breakdown of the visitor market by trips and days spent by visitors in Warwick District is shown below along with comparisons to the county.

	Trips made to Warwick District	Trips made to Warwickshire	Days Spent in Warwick District	Days Spent in Warwickshire
Day Visitors	2,291,000	9,992,000	2,291,000	9,992,000
Overnight Visitors	722,000	2,936,000	1,852,000	7,418,000
TOTAL	3,013,000	12,928,000	4,143,000	17,410,000

6.0 VALUE OF TOURISM

6.1 Introduction

Having established the volume of visitor days to Warwick District, it is possible to then estimate the total value of tourism expenditure. The per head expenditure data is generated by national tourism data (UKTS/IPS) disaggregated down to regional level. The regional data for 2006 has been applied to the different types of visitor days spent in the district. The total expenditure of visitors for 2006 is estimated to be **£227 million**.

6.2 Spend per Head

The expenditure total for each party of visitors is divided by, the number of people concerned in order to provide an average spend per head. The average spend per head per trip is presented in the table below, showing the variations by purpose of visit and UK/Overseas, from the Regional sources of information.

	Domestic	Overseas
<i>All Holidays</i>	£163.93	£207.11
<i>Business</i>	£88.58	£261.32
<i>VFR</i>	£247.85	£216.60
<i>Other</i>	£146.33	£438
<i>Study</i>	£0	£2,178.33
<i>Irregular Day Town Visitors</i>	£46.19	-
<i>Irregular Day Countryside Visitors</i>	£29.79	-

NB - 'other' includes holiday and business trips where the interviewee has not specified the dominant factor for the trip.

NB - 'study'- Language school trips are lengthy and spend per trip is therefore usually high. The volume and value of language school trips can vary year on year dependent upon the exchange rate etc.

The above table displays the spend per head per trip. However, when looking at spend per head per night, the figures are more reflective of the proportion of spend by visitors. The expenditure total for each party of visitors is divided by the number of nights concerned in order to provide an average spend per head per night. The average spend per head per night is presented in the table below, showing the variations by purpose of visit and UK/Overseas, from the Regional sources of information.

Table 7a: Spend per Head per Night		
	Domestic	Overseas
<i>All Holidays</i>	£77.58	£35.85
<i>Business</i>	£43.73	£89.23
<i>VFR</i>	£154.28	£26.63
<i>Other</i>	£73.17	£46.11
<i>Study</i>	£0	£31.88

7.0 Overnight Visitor Spend

Applying the above rates per capita spend to the overnight sectors produces a substantial impact for the leisure/holiday and business markets.

Table 8: Overnight Visitor Spend				
	Domestic	Overseas	Total	%
<i>Holiday</i>	£85,569,000	£1,864,000	£87,433,000	68%
<i>Business</i>	£6,909,000	£7,317,000	£14,226,000	11%
<i>VFR</i>	£15,119,000	£3,249,000	£18,368,000	14%
<i>Other</i>	£878,000	£876,000	£1,754,000	1%
<i>Study</i>	£0	£6,535,000	£6,535,000	5%
Total	£108,474,000	£19,840,000	£128,314,000	100%

NB -table above may not add up exactly due to the rounding up/down of figures

The largest area of spend is 68% holiday visitors, with 14% spent by those visiting friends and relatives.

8.0 Day Visitor Spend

For irregular day visitors the figures are broken down using Regional irregular spend figures.

Table 9: Irregular Day Visitor Spending			
Irregular town day trips	1,860,000	@ £46.19 per trip	£85,913,000
Irregular countryside day trips	431,000	@ £29.79 per trip	£12,839,000
TOTAL	2,291,000 trips		£98,752,000

NB - aggregation of sectoral spending by day visitors may mean that rounding has occurred.

9.0 Total Expenditure by Market Sector

Total expenditure by the main markets is shown below.

Table 10: Overnight and Day Visitor Expenditure		
Overnight	£128,314,000	57%
Day Visitor	£98,752,000	43%
TOTAL	£227,066,000	100%

NB - figure includes all transport/travel associated with trip but excludes revenue expenditure which is not directly related to the trip, i.e. maintenance of second home or spend on boats etc.

This clearly shows that in terms of spend, the slightly higher volume of overnight visitors generate a higher proportion of spend.

Table 10a: Total Spend - Regional Comparisons	
Warwick	£227,066,000
Warwickshire	£912,658,000

The table above shows how Warwick district compares to the Warwickshire as a whole. Warwick District generates approximately 25% of the county tourism spend.

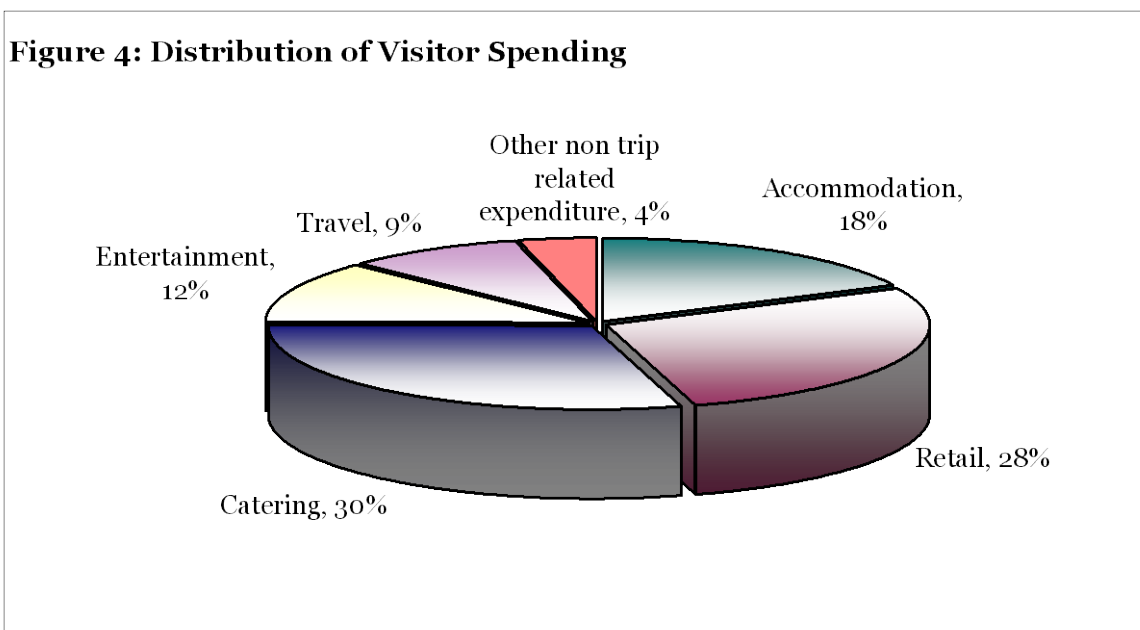
10.0 Distribution of Visitor Spending

The visitor spend has been allocated across the main sectors of the local tourism economy based upon regional proportions. This includes accommodation, retail, catering, entertainment and transport.

Sector	Amount (£)	Percentage
Accommodation	£39,597,000	18%
Retail	£63,258,000	28%
Catering	£65,776,000	30%
Entertainment	£26,333,000	12%
Transport	£19,260,000	9%
Other non trip related expenditure	£7,879,000	4%
Total	£222,103,000	100%

NB - figures may not add up exactly due to rounding

NB - total spending excludes 40% of transport/travel which is assumed to have taken place outside of the district. Total does include other expenditure associated with tourism activity



The major receiving sectors of all tourism spend are catering- £66 million (30%) and retail - £63 million (28%), followed by accommodation £40 million (18%).

11.0 Business Turnover

Visitor expenditure adds to the turnover in tourism related businesses in direct receipt of tourism spending. Thus spending on accommodation will mainly benefit hotels, guest house, caravan and camp sites and other commercial establishments. However, some spending on shopping takes place in attractions, while a proportion of eating and drinking takes place in hotels and pubs which fall within the accommodation sector and at attractions. Some loss of spending also occurs in relation to travel in that a proportion of the visitor spending occurs at the origin of the trip or en-route rather than at the destination, as for instance the purchase of train or bus tickets.

Tourism related businesses in turn spend money on the purchase of supplies and services. Insofar as these supply businesses are within the district, then additional business turnover is created. The total business turnover generated in Warwick District is estimated to be £222,103,000 or, turnover of over £222 million, excluding any additional business income arising from induced effects arising from employee spending.

Table 12: Effect of Expenditure on Business

	Staying visitors	Day Visitors	Total
<i>Accommodation</i>	£38,840,000	£757,000	£39,597,000
<i>Retail</i>	£23,432,000	£39,826,000	£63,258,000
<i>Catering</i>	£29,057,000	£36,719,000	£65,776,000
<i>Entertainment</i>	£14,975,000	£11,358,000	£26,333,000
<i>Transport</i>	£13,206,000	£6,054,000	£19,260,000
<i>Other non trip related expenditure</i>	£7,879,000	£0	£7,879,000
Total	£127,389,000	£94,714,000	£222,103,000

12 EMPLOYMENT

12.0 Introduction

The £227 million spent by visitors directly results in increased turnover in those establishments benefiting from visitor patronage, and therefore supports jobs and incomes in those establishments. Some spending will take place outside the district, notably a proportion of travel spending which will occur at the origin of the trip rather than the destinations. The Model is able to provide an estimate of the jobs that result **directly** from that visitor expenditure and to estimate the indirect and induced multiplier effects on local employment. Induced and multiplier jobs are based on local impacts within Warwick District.

It is estimated that from the tourism expenditure in Warwick District of £227 million, a total of 4,846 jobs are supported by tourism spend, although these jobs are not all provided to residents of the local authority. The following section sets out the different types of jobs, sources of information and methodology used to establish tourism employment.

12.2 Data Sources

The estimates of volume and value of tourism to Warwick District have been based upon research undertaken at the local level, together with regional data from national surveys.

- The breakdown of visitor spending in the local economy by the five main industry sectors is derived from regional analysis.
- The 2001 New Earnings Survey provides information on wage levels by industry sector.
- The Consultants internal business database which includes data on the structure of business expenditure, local linkages and multiplier ratios drawn from a wide range of business and economic studies undertaken by Geoff Broom Associates, PA Cambridge Economic Consultants and other researchers in the UK.

12.3 Types of Job

The Model identifies different types of jobs supported by tourism expenditure in each business sector.

Full time job equivalents are established for the following:

- Direct
- Indirect
- Induced

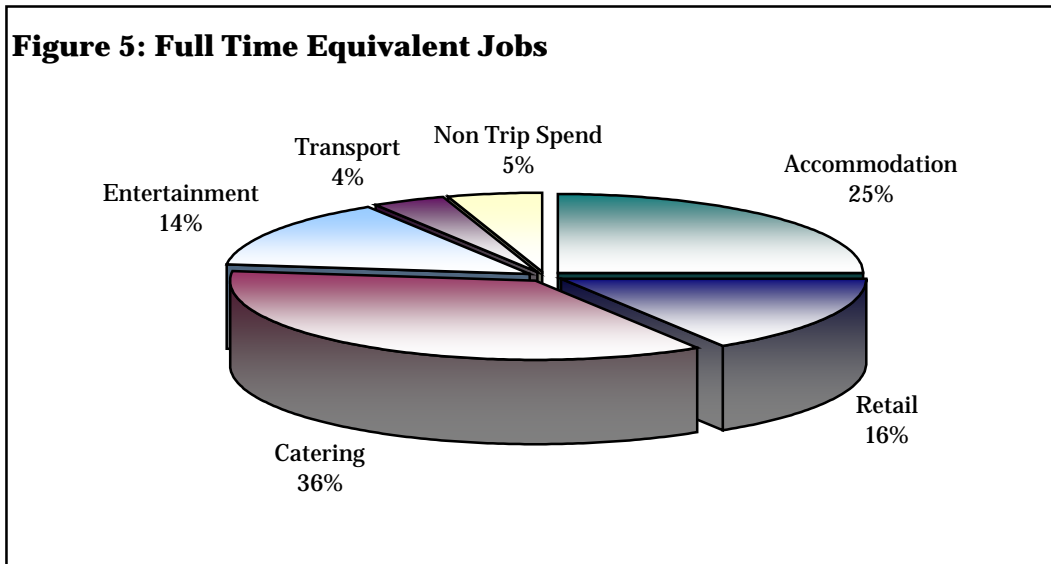
Having established the full time equivalents the Model then takes account of the part time and seasonal employment to provide a total figure for **actual jobs**.

12.4 Direct Full Time Job Equivalents

A large proportion of the tourism expenditure (£227 million) will have a direct local effect on businesses and jobs. Money spent by visitors will be absorbed by wages for staff and drawings for the proprietors. The proportion varies by industry sector i.e. wages are likely to be a smaller proportion of costs in retailing compared to accommodation or catering. The Model uses information from the Business database to ascribe an average proportion of turnover taken by wage and drawing costs for each of the industry sectors.

By applying these proportions to the turnover in each sector, the amount of money absorbed by employment costs can be calculated. The New Earnings Survey provides data from which the average wage costs by industry sector, adjusted to take account of regional differences, can be calculated. After allowing for additional costs such as NI and pension costs, an average employment cost per full time job can be estimated. The number of such jobs in the local area can then be estimated by dividing the amount of business expenditure on wages and drawings by the average employment cost per job in each sector.

SECTOR	FTEs	%
Accommodation	639	25%
Retail	410	16%
Catering	921	36%
Entertainment	361	14%
Transport	108	4%
Arising from non trip spend	125	5%
Total Direct FTEs	2,563	100%



The table below details the full time equivalent jobs broken down by day and staying visitors.

Table 14: Direct FTE Jobs by Sector

	Staying visitors	Day Visitors	Total
Accommodation	626	12	639
Retailing	152	258	410
Catering	407	514	921
Attractions/Entertainment	205	156	361
Transport	74	34	108
Arising From Non Trip Spend	125	0	125
TOTAL FTE JOBS	1,589	974	2,563

12.5 Actual/Indirect Job Equivalents

In addition to the jobs directly supported by visitor spending there are local incomes and jobs created in local suppliers of goods and services to the businesses receiving the visitors' spending. The number of additional jobs created in the area in this way will depend on the proportion of such goods and services that are bought in Warwick District opposed to elsewhere in the region or beyond. The additional jobs resulting from the purchase of goods and services are termed **indirect** or linkage jobs.

Using the Business Database the average proportion of business turnover spent on local purchases by sector has been estimated. By applying that proportion to the business turnover arising from visitor spending, an estimate of the local spending on goods and services can be made. Indirect or linkage jobs cover a wide range of sectors i.e. retailers, manufacturers, service providers, banks etc. Examples include a guesthouse purchasing its food supplies from the local grocery store or an attraction employing the services of local accountants or solicitors.

In addition to the direct and indirect linkage jobs are those generated by the income multiplier effects. Income multiplier or induced jobs are those resulting from the expenditure of wages earned in the direct and linkage jobs in Warwick District. Income multiplier jobs will be spread across the local economy, including retailing, catering and transport as well as public service jobs such as education, health and local government. For example, because a hotel receptionist receives a direct salary from tourism spend, he or she can then 're-circulate' this money into the local economy by spending on purchases from local shops, or services from local trades people.

Adjustments to the Model have been made to take account of local characteristics. Linkage spending is known to vary by type of location and sector i.e. linkages are likely to be weakest in rural areas and strongest in cities. The Model is set up in order that varying averages for the proportion of spend on local linkages can be applied.

The Model generates estimates of Full-Time equivalent jobs based on visitor spending. However, the total number of **actual jobs** will be higher when part-time and seasonal workers are taken into account. One Full-Time Equivalent post may actually support three people, or three jobs - in the form of one person working for 50% of the time and two other people working for 25% of the FTE.

	Staying visitors	Day Visitors	Total
Accommodation	927	18	945
Retailing	228	387	615
Catering	610	771	1,381
Attractions/Entertainment	289	219	509
Transport	104	48	152
Arising From Non Trip Spend	143	0	143
ESTIMATED ACTUAL JOBS	2,301	1,443	3,744

A total of approximately 3,744 actual direct tourism jobs are supported by the existence of the £227 million tourism spend in the district. This spend supports a further 1,102 indirect and induced non-tourism jobs (see below); therefore, making approximately 4,846 jobs supported by the tourism spend in the district.

The Full-Time job equivalents created directly by the tourism expenditure are converted to actual jobs using information from business surveys in the sectors receiving visitor spending (accommodation, transport, etc). The conversion factor varies but is around 1.5 across the sectors, with rather lower ratios with indirect and induced jobs. Thus each FTE job actually has a knock-on effect with the creation of part-time and seasonal jobs.

Total employment related to tourism spending (estimated actual)

TABLE 16	Staying tourists		Day visitors		Total
<i>Direct</i>	2,301		1,443		3,744
<i>Indirect</i>	549		283		832
<i>Induced</i>	236		34		270
Totals	3,086		1,760		4,846

Total employment related to tourism spending (FTE's)

TABLE 17	Staying tourists		Day visitors		Total
<i>Direct</i>	1,589		974		2,563
<i>Indirect</i>	481		249		730
<i>Induced</i>	207		30		237
Totals	2,277		1,252		3,529

13 CONCLUSIONS

Review

The key volume and value results for Warwick District are derived from the various sources as described throughout the report. These include regional and district breakdowns from national level data (United Kingdom Tourism Survey and International Passenger Survey) as well as jobs and income information such as the New Earnings Survey.

At a local level, the occupancy survey provides accurate local occupancy levels and known accommodation stock.

The key results of the Local Area Economic Impact Assessment for 2006 are:

3.0 million Visitors came to Warwick District – 2.3 million as day trippers, and approximately 0.7 million overnight visitors.

The overnight visitors spent a total of **1.9 million nights** in the area.

During their visit to Warwick District, tourists spent approximately **£227 million**. On average, about **£19 million** is spent in the local economy each month.

Visitors staying **overnight**, spent **£128.3 million** in the area, compared with **£98.7 million** from those on an irregular **day trip**.

The 3.0 million visitors to Warwick District spend £227 million on tourism in the Area supporting in the region of **4,846 jobs**, both for local residents from those living nearby. Approximately **3,744 direct tourism related jobs** are supported with an **additional 1,102 non-tourism jobs** dependent upon multiplier spend from tourism.