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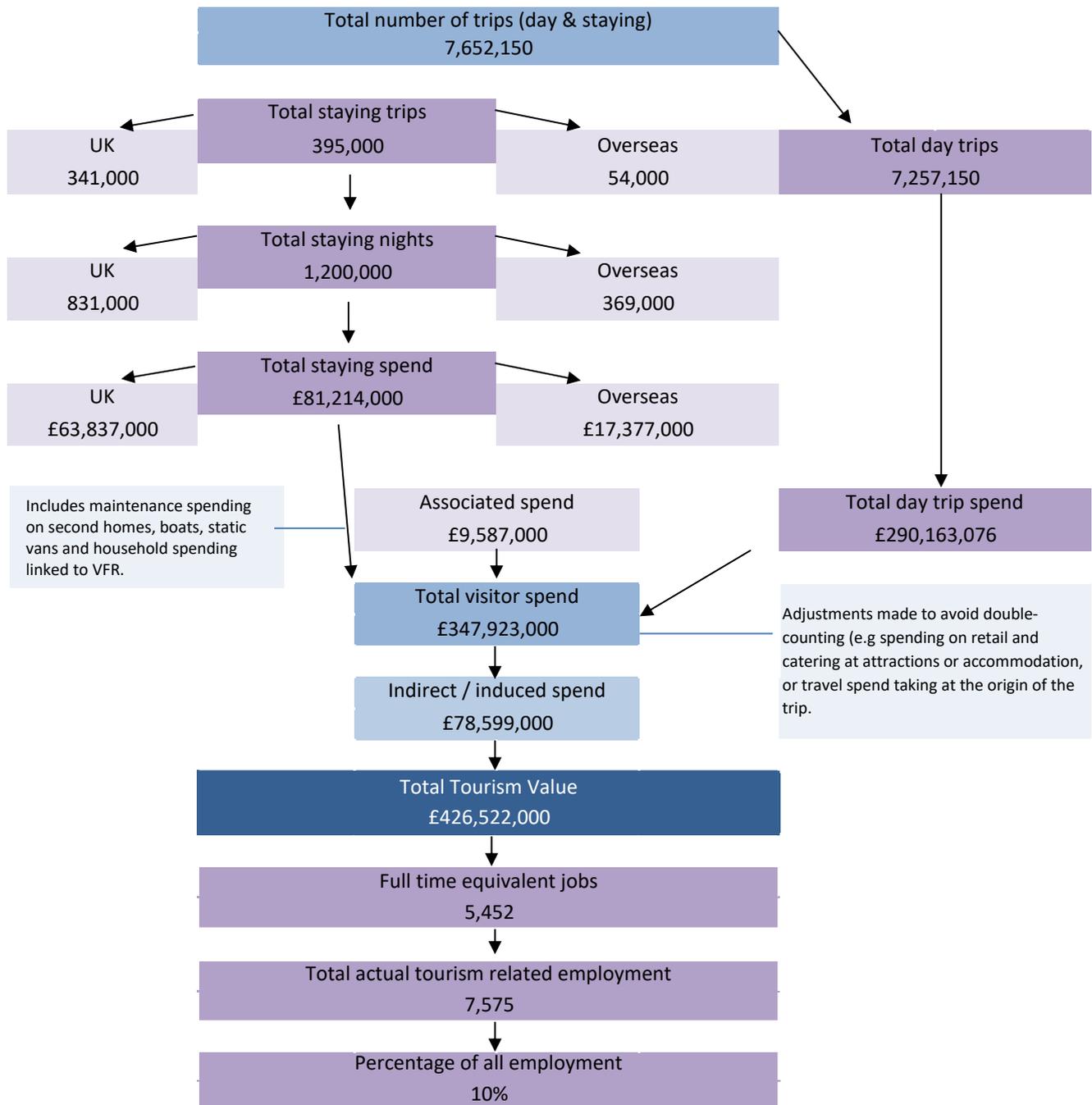
Destination Research  
Sergi Jarques, Director

Economic Impact of Tourism

Cherwell - 2017

## Economic Impact of Tourism – Headline Figures

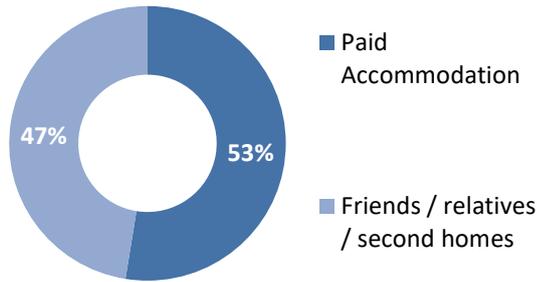
Cherwell - 2017



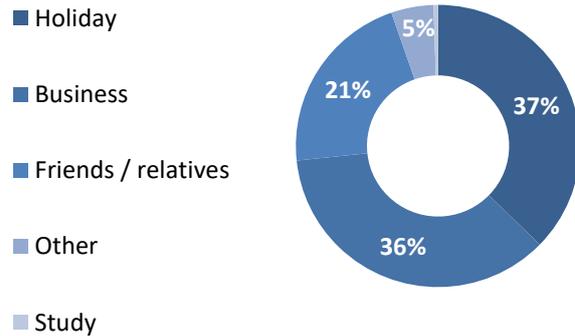
### Economic Impact of Tourism – Year on year comparisons

<u>Day Trips</u>	2016	2017	Annual variation
Day trips Volume	6,657,936	7,257,150	9.0%
Day trips Value	£268,669,515	£290,163,076	8.0%
<u>Overnight trips</u>			
Number of trips	382,000	395,000	3.4%
Number of nights	1,193,000	1,200,000	0.6%
Trip value	£76,744,000	£81,214,000	5.8%
<b>Total Value</b>	<b>£396,410,000</b>	<b>£426,522,000</b>	<b>7.6%</b>
<b>Actual Jobs</b>	<b>7,044</b>	<b>7,575</b>	<b>7.5%</b>

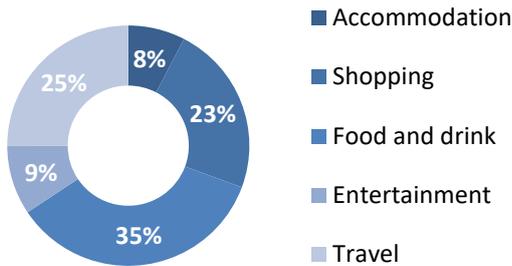
### Type of Accommodation



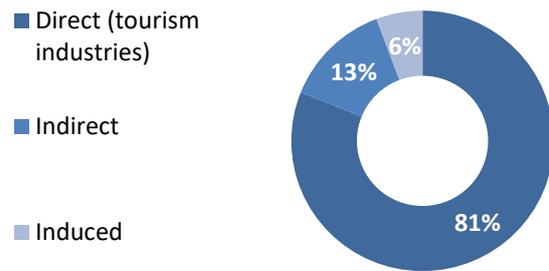
### Trips by Purpose



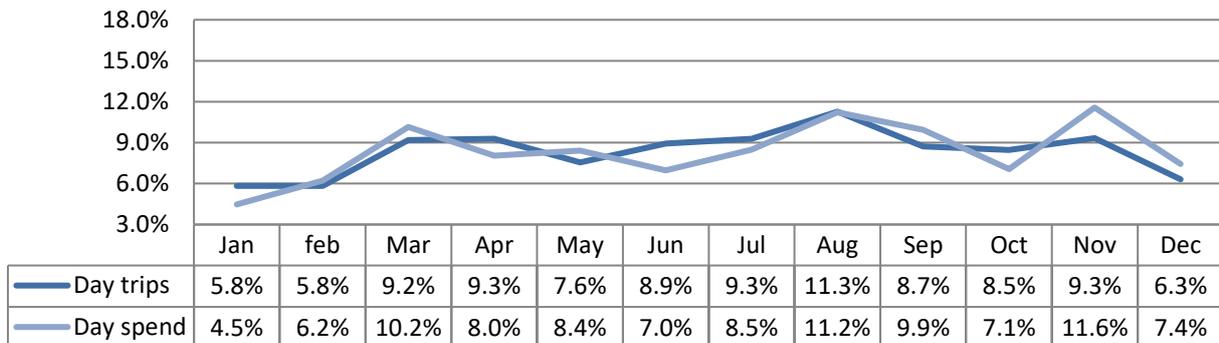
### Breakdown of expenditure



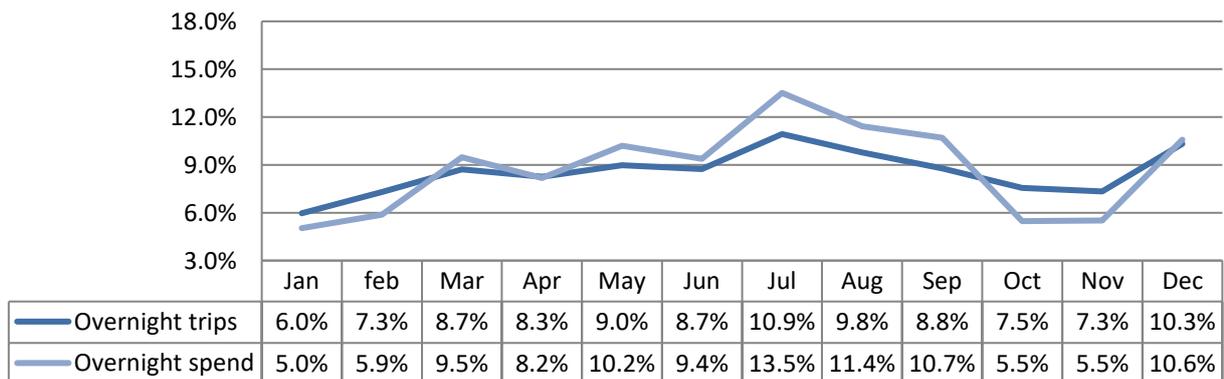
### Type of employment



### Seasonality - Day visitors



### Seasonality - Overnight visitors



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## **INTRODUCTION**

This report examines the volume and value of tourism and the impact of visitor expenditure on the local economy in 2017 and provides comparative data against previously published data (2016). The results are derived using the Cambridge Economic Impact Model under licence by Destination Research Ltd based on the latest data from national tourism surveys and regionally/locally based data.

## **CONTEXTUAL ANALYSIS**

The three key surveys used to measure volume and expenditure from tourism trips are the GB Tourism Survey (for domestic overnight trips), the International Passenger Survey (IPS) for visits from overseas, and the GB Day Visitor Survey (GBDVS), which measures tourism day visits. In addition, data from accommodation occupancy and visitors to visitor attractions have been used to estimate year-on-year changes in the volume and value of tourism related visits to the area.

### **Domestic tourism**

#### **National Performance**

In 2017, British residents took 104.2 million overnight trips in England, totalling 299 million nights away from home. The number of domestic trips was 5% higher than in 2016, and nights were up by 4% compared to 2016. Holiday Trips in England in 2017 increased by 9% compared to 2016, with 48.9 million trips recorded.

#### **Regional performance**

The South East of England region experienced a 13% decrease in overnight trips during 2017. Bednights were down by 11% on 2016 and expenditure was down by approximately 4%. This resulted in a marginal increase in the average length of trips (the number of nights per trip) from 2.6 nights per trip in 2016 to 2.7 in 2017.

The region received less visitors in 2017 than in the previous year. However, those who did visit stayed for a slightly longer period of time and spent more during their visit. The average spend per night was up from £58.02 in 2016 to £63.00 in 2017.

The GB Tourism Survey data is a key driver for the Cambridge model. However, it is not specifically designed to produce highly accurate results at sub-regional level. In order to improve the accuracy of results we have applied a 3-year rolling average to this data to help smooth out short term market fluctuations and highlight longer-term trends.

#### **Domestic visits to Oxfordshire**

The domestic tourism results for Oxfordshire used in this model show that the volume of domestic trips to Oxfordshire between 2016 and 2017 were up by 1%. Visitor nights were down 3% and expenditure was up by 3%. The domestic tourism results for Oxford show trips up 1% on 2016, nights down 4% and expenditure up by 2%. (See page 9).

## **Visits from overseas**

### **National Performance**

The number of visits in 2017 grew 4% to a record 39.2 million, after several years of growth since 2010. The number of visitor nights spent in the UK increased by 3% in 2017 to 286 million, while the average number of nights per visit declined slightly from 7.4 in 2016 to 7.3 in 2017. The value of spending increased by 9% to £24.5 billion. Average spend per visit was £625 in 2017, up from £599 per visit in 2016.

### **Regional performance**

The number of Overseas trips to the South East of England in 2016 grew 2.0% to reach 5.3 million overnight trips. The total number of nights was up by 6.4% to 38.4 million. Spend was down by 3.4% to £2.14 billion in 2017.

### **Overseas visits to Oxfordshire**

The International Passenger Survey (IPS) data is a key driver for the Cambridge model. However, as with the GBTS, it is not specifically designed to produce highly accurate results at sub-regional level. In order to improve the accuracy of results we have applied a 3-year rolling average to this data to help smooth out short term market fluctuations and highlight longer-term trends.

Based on data for the period 2016-2017 the model assumes that the number of overseas trips to Oxfordshire in 2017 was up by 3.0%. The total number of visitor nights was marginally up by 0.4%. Spend was slightly up by 3.9%. The overseas tourism results for Cherwell show trips up 1.9% on 2016, the volume of nights was up 0.5% and expenditure was up by 1.8%. (see Page 9)

## **Tourism Day Visits**

### **National Performance**

During 2017, GB residents took a total of 1,793 million Tourism Day Visits to destinations in England, Scotland or Wales, 2% down on 2016. Around £62.4 billion was spent during these trips, about 2.4% down on 2016. The largest proportion of visits were taken to destinations in England (1,505 million visits or 84% of the total). The distribution of expenditure during visits broadly reflects this pattern, with a total value of day trips to England totalling £50.9 billion (81.5% of the total for GB).

### **Regional performance**

During 2017, the volume of tourism day visits in the South East of England decreased by 4% to 232 million. However, the Visits to Visitor Attractions Survey (2017) shows that the volume of visitors to fee paying attractions in the South East was up by 4% between 2016 and 2017.

Tourism Day Visit related expenditure was down 18% to approximately £7.1 billion. In terms of expenditure incurred at visitor attractions, we used changes in admission charges to visitor attractions as well as gross revenue levels to estimate likely visitor expenditure levels. The results show an approximate 3% increase in admission fees and a 10% growth in gross revenue. However, not all areas experienced the same level of growth. Growth revenue was up 3% in coastal areas, 8% up in rural areas and 7% up in more urban areas.

### **Day visits to Oxfordshire**

As with overnight visits, and in order to improve the accuracy of results we have applied a 3-year rolling average to this data to help smooth out short term market fluctuations and highlight longer-term trends. The model assumes day trips to be up 9% and expenditure to increase by approximately 8%. The day visits results for Cherwell show trips up 9% on 2016 and expenditure also up by 8%. (See page 10).

### **Bicester Village**

Visits to Bicester Village are included in the day trips count. One of the key sources of data for day visitors is the GB Day Visitor Survey (GBDVS). The GBDVS report shows tourism day trips to Cherwell to be in the region of 2.1 million but it does not include visits to Bicester Village (6.6 million visitors in 2017, up from 6.4 million in 2016). For this reason, we also collect information about larger retail parks / shopping mall destinations that attract large numbers of visitors, and we include a proportion of these trips in the calculations.

The definition of tourism day trips includes 'special' shopping trips for items not bought regularly. A large proportion of shopping trips to Bicester Village will fall under that category. However, it is also a prerequisite that the destination of the visit is different from the place (city, town or village) where the participant lives. In other words, residents are excluded from the day trip count. Based on these parameters, and for the particular case of Bicester Village, about two-thirds of all visitors to Bicester Village (c4.5 million) have been included, bringing the total figure of day trips to c7.3 million day trips. We base this estimate on the proximity of Bicester Village to London, the good access by rail and the popularity of the shopping destination among overseas visitors.

## Volume of Tourism - Cherwell

## Staying Visitors - Accommodation Type

### Trips by Accommodation

	UK		Overseas		Total	
Serviced	146,000	43%	8,000	15%	154,000	39%
Self catering	6,000	2%	1,000	2%	7,000	2%
Camping	2,000	1%	1,000	2%	3,000	1%
Static caravans	0	0%	0	0%	0	0%
Group/campus	0	0%	0	0%	0	0%
Paying guest	0	0%	1,000	2%	1,000	0%
Second homes	2,000	1%	1,000	2%	3,000	1%
Boat moorings	0	0%	0	0%	0	0%
Other	35,000	10%	6,000	11%	41,000	10%
Friends & relatives	149,000	44%	37,000	69%	186,000	47%
<b>Total 2017</b>	<b>341,000</b>		<b>54,000</b>		<b>395,000</b>	
Comparison 2016	329,000		53,000		382,000	
Difference	3.6%		1.9%		3.4%	

### Nights by Accommodation

	UK		Overseas		Total	
Serviced	277,000	33%	22,000	6%	299,000	25%
Self catering	22,000	3%	14,000	4%	36,000	3%
Camping	12,000	1%	3,000	1%	15,000	1%
Static caravans	0	0%	0	0%	0	0%
Group/campus	0	0%	0	0%	0	0%
Paying guest	0	0%	16,000	4%	16,000	1%
Second homes	3,000	0%	27,000	7%	30,000	2%
Boat moorings	0	0%	0	0%	0	0%
Other	138,000	17%	12,000	3%	150,000	13%
Friends & relatives	379,000	46%	276,000	75%	655,000	55%
<b>Total 2017</b>	<b>831,000</b>		<b>369,000</b>		<b>1,200,000</b>	
Comparison 2016	826,000		367,000		1,193,000	
Difference	0.6%		0.5%		0.6%	

### Spend by Accommodation Type

	UK		Overseas		Total	
Serviced	£42,339,000	66%	£4,313,000	25%	£46,652,000	57%
Self catering	£1,412,000	2%	£939,000	5%	£2,351,000	3%
Camping	£547,000	1%	£57,000	0%	£604,000	1%
Static caravans	£0	0%	£0	0%	£0	0%
Group/campus	£0	0%	£0	0%	£0	0%
Paying guest	£0	0%	£1,018,000	6%	£1,018,000	1%
Second homes	£123,000	0%	£372,000	2%	£495,000	1%
Boat moorings	£0	0%	£0	0%	£0	0%
Other	£6,616,000	10%	£1,511,000	9%	£8,127,000	10%
Friends & relatives	£12,799,000	20%	£9,166,000	53%	£21,965,000	27%
<b>Total 2017</b>	<b>£63,837,000</b>		<b>£17,377,000</b>		<b>£81,214,000</b>	
Comparison 2016	£59,678,000		£17,066,000		£76,744,000	
Difference	7.0%		1.8%		5.8%	

Serviced accommodation includes hotels, guesthouses, inns, B&B and farms. Paying guest refers to overseas visitors staying in private houses (e.g. language school students). Other trips includes nights spent in transit, in lorry cabs and other temporary accommodation. We are aware of the importance that canal users play within the local visitor economy. Unfortunately, at the time of publication we were unable to obtain reliable data relating to boat moorings.

## Staying Visitors - Purpose of Trip

### Trips by Purpose

	UK		Overseas		Total	
Holiday	131,000	38%	16,000	30%	147,000	37%
Business	128,000	38%	14,000	26%	142,000	36%
Friends & relatives	66,000	19%	18,000	33%	84,000	21%
Other	15,000	4%	4,000	7%	19,000	5%
Study	0	0%	2,000	4%	2,000	1%
<b>Total</b>	<b>2017</b>	<b>341,000</b>	<b>54,000</b>		<b>395,000</b>	
Comparison	2016	329,000	53,000		382,000	
Difference		3.6%	1.9%		3.4%	

### Nights by Purpose

	UK		Overseas		Total	
Holiday	348,000	42%	70,000	19%	418,000	35%
Business	295,000	35%	53,000	14%	348,000	29%
Friends & relatives	155,000	19%	136,000	37%	291,000	24%
Other	33,000	4%	60,000	16%	93,000	8%
Study	0	0%	49,000	13%	49,000	4%
<b>Total</b>	<b>2017</b>	<b>831,000</b>	<b>369,000</b>		<b>1,200,000</b>	
Comparison	2016	826,000	367,000		1,193,000	
Difference		0.6%	0.5%		0.6%	

### Spend by Purpose

	UK		Overseas		Total	
Holiday	£27,576,000	43%	£4,235,000	24%	£31,811,000	39%
Business	£25,684,000	40%	£3,853,000	22%	£29,537,000	36%
Friends & relatives	£8,878,000	14%	£4,842,000	28%	£13,720,000	17%
Other	£1,699,000	3%	£2,234,000	13%	£3,933,000	5%
Study	£0	0%	£2,213,000	13%	£2,213,000	3%
<b>Total</b>	<b>2017</b>	<b>£63,837,000</b>	<b>£17,377,000</b>		<b>£81,214,000</b>	
Comparison	2016	£59,678,000	£17,066,000		£76,744,000	
Difference		7.0%	1.8%		5.8%	

## Day Visitors

### Total Volume and Value of Day Trips

		Trips	Spend
<b>Total</b>	<b>2017</b>	<b>7,257,150</b>	<b>£290,163,076</b>
Comparison	2016	6,657,936	£268,669,515
Difference		9.0%	8.0%

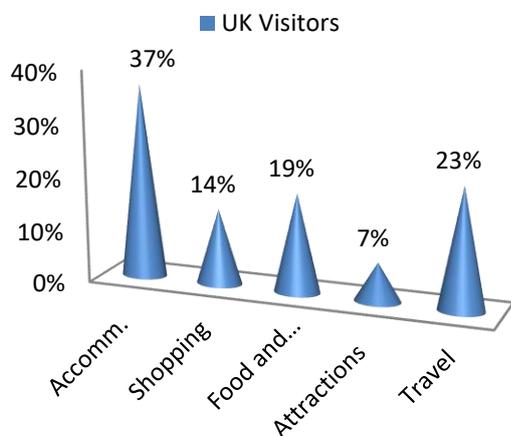
## Value of Tourism - Cherwell

**Expenditure Associated with Trips:**

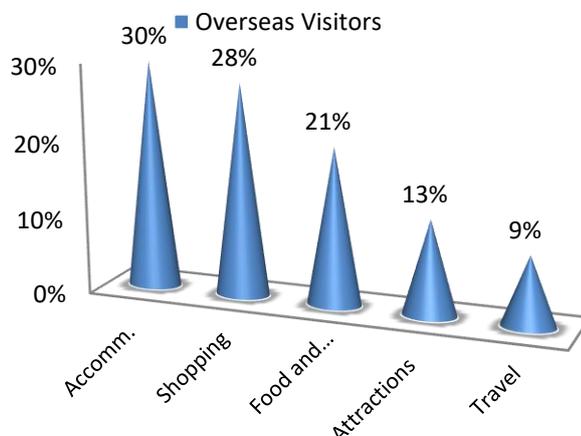
**Direct Expenditure Associated with Trips**

		Accomm.	Shopping	Food and Drink	Attractions	Travel	Total
UK Visitors		£23,431,000	£9,144,000	£11,964,000	£4,670,000	£14,629,000	£63,838,000
Overseas Visitors		£5,190,000	£4,836,000	£3,578,000	£2,174,000	£1,599,000	£17,377,000
<b>Total Staying</b>		<b>£28,621,000</b>	<b>£13,980,000</b>	<b>£15,542,000</b>	<b>£6,844,000</b>	<b>£16,228,000</b>	<b>£81,215,000</b>
<b>Total Staying (%)</b>		<b>35%</b>	<b>17%</b>	<b>19%</b>	<b>8%</b>	<b>20%</b>	<b>100%</b>
<b>Total Day Visitors</b>		<b>£0</b>	<b>£72,541,000</b>	<b>£116,065,000</b>	<b>£28,381,000</b>	<b>£77,712,000</b>	<b>£294,699,000</b>
<b>Total Day Visitors (%)</b>		<b>0%</b>	<b>25%</b>	<b>39%</b>	<b>10%</b>	<b>26%</b>	<b>100%</b>
<b>Total 2017</b>		<b>£28,621,000</b>	<b>£86,521,000</b>	<b>£131,607,000</b>	<b>£35,225,000</b>	<b>£93,940,000</b>	<b>£375,914,000</b>
<b>%</b>		<b>8%</b>	<b>23%</b>	<b>35%</b>	<b>9%</b>	<b>25%</b>	<b>100%</b>
Comparison 2016		£27,086,000	£80,403,000	£122,109,000	£32,729,000	£87,284,000	£349,611,000
Difference		5.7%	7.6%	7.8%	7.6%	7.6%	7.5%

**Breakdown of expenditure**



**Breakdown of expenditure**



**Other expenditure associated with tourism activity**

<b>Other expenditure associated with tourism activity - Estimated spend</b>				
Second homes	Boats	Static vans	Friends & relatives	Total
£203,000	£950,000	£0	£8,434,000	£9,587,000

Spend on second homes is assumed to be an average of £2,000 on rates, maintenance, and replacement of furniture and fittings. Spend on boats assumed to be an average of £2,000 on berthing charges, servicing and maintenance and upgrading of equipment. Static van spend arises in the case of vans purchased by the owner and used as a second home. Expenditure is incurred in site fees, utility charges and other spending and is estimated at £2,000. Additional spending is incurred by friends and relatives as a result of people coming to stay with them. A cost of £175 per visit has been assumed based on national research for social and personal visits.

### Direct Turnover Derived From Trip Expenditure

Business turnover arises as a result of tourist spending, from the purchase of supplies and services locally by businesses in receipt of visitor spending and as a result of the spending of wages in businesses by employees whose jobs are directly or indirectly supported by tourism spending.

	UK Overnight	Overseas	Day Visitors	Total
Accommodation	£23,685,000	£5,247,000	£2,321,000	£31,253,000
Retail	£9,053,000	£4,787,000	£71,815,000	£85,655,000
Catering	£11,605,000	£3,471,000	£112,583,000	£127,659,000
Attractions	£4,871,000	£2,268,000	£30,267,000	£37,406,000
Transport	£8,777,000	£959,000	£46,627,000	£56,363,000
Non-trip spend	£9,587,000	£0	£0	£9,587,000
<b>Total Direct 2017</b>	<b>£66,271,000</b>	<b>£18,039,000</b>	<b>£263,613,000</b>	<b>£347,923,000</b>
<b>Comparison 2016</b>	<b>£62,173,928</b>	<b>£16,924,072</b>	<b>£244,087,000</b>	<b>£323,185,000</b>
<b>Difference</b>	<b>6.6%</b>	<b>6.6%</b>	<b>8.0%</b>	<b>7.7%</b>

Adjustments have been made to recognise that some spending on retail and food and drink will fall within attractions or accommodation establishments. It is assumed that 40% of travel spend will take place at the origin of the trip rather than at the destination.

### Supplier and Income Induced Turnover

	UK Overnight	Overseas	Day Visitors	Total
Indirect spend	£14,462,000	£3,936,000	£34,371,000	£52,769,000
Non trip spending	£1,917,000	£0	£0	£1,917,000
Income induced	£11,184,000	£3,044,000	£9,685,000	£23,913,000
<b>Total 2017</b>	<b>£27,563,000</b>	<b>£6,980,000</b>	<b>£44,056,000</b>	<b>£78,599,000</b>
<b>Comparison 2016</b>	<b>£25,492,741</b>	<b>£6,939,259</b>	<b>£40,793,000</b>	<b>£73,225,000</b>
<b>Difference</b>	<b>8.1%</b>	<b>0.6%</b>	<b>8.0%</b>	<b>7.3%</b>

Income induced spending arises from expenditure by employees whose jobs are supported by tourism spend.

### Total Local Business Turnover Supported by Tourism Activity – Value of Tourism

	UK Overnight	Overseas	Day Visitors	Total
Direct	£66,271,000	£18,039,000	£263,613,000	£347,923,000
Indirect	£27,563,000	£6,980,000	£44,056,000	£78,599,000
<b>Total Value 2017</b>	<b>£93,834,000</b>	<b>£25,019,000</b>	<b>£307,669,000</b>	<b>£426,522,000</b>
<b>Comparison 2016</b>	<b>£87,666,669</b>	<b>£23,863,331</b>	<b>£284,880,000</b>	<b>£396,410,000</b>
<b>Difference</b>	<b>7.0%</b>	<b>4.8%</b>	<b>8.0%</b>	<b>7.6%</b>

## Employment - Cherwell

## Employment

The model generates estimates of full time equivalent jobs based on visitor spending. The total number of 'actual' jobs will be higher when part time and seasonal working is taken into account. Conversion of full time equivalent jobs into actual jobs relies on information from business surveys in the sectors receiving visitor spending.

### Direct employment

Full time equivalent (FTE)					
	UK Overnight	Overseas	Day Visitor	Total	
Accommodation	428	95	35	557	13%
Retailing	79	42	626	747	18%
Catering	163	49	1,585	1,797	43%
Entertainment	70	33	435	537	13%
Transport	63	7	336	406	10%
Non-trip spend	120	33	0	152	3%
<b>Total FTE</b>	<b>2017</b>	<b>923</b>	<b>257</b>	<b>3,016</b>	<b>4,196</b>
Comparison	2016	869	237	2,792	3,898
Difference		6.1%	8.7%	8.0%	7.6%
Estimated actual jobs					
	UK Overnight	Overseas	Day Visitor	Total	
Accommodation	633	140	51	824	14%
Retailing	118	63	939	1,120	18%
Catering	245	73	2,377	2,695	44%
Entertainment	99	46	613	757	12%
Transport	89	10	474	573	9%
Non-trip spend	136	37	0	173	3%
<b>Total Actual</b>	<b>2017</b>	<b>1,320</b>	<b>369</b>	<b>4,454</b>	<b>6,143</b>
Comparison	2016	1,247	339	4,124	5,710
Difference		5.9%	8.7%	8.0%	7.6%

### Indirect & Induced Employment

Full time equivalent (FTE)				
	UK Overnight	Overseas	Day Visitors	Total
Indirect jobs	256	70	551	877
Induced jobs	178	48	154	380
<b>Total FTE</b>	<b>2017</b>	<b>434</b>	<b>118</b>	<b>705</b>
Comparison	2016	407	111	653
Difference		6.5%	6.5%	8.0%

Estimated actual jobs				
	UK Overnight	Overseas	Day Visitors	Total
Indirect jobs	292	79	628	1,000
Induced jobs	202	55	175	433
<b>Total Actual</b>	<b>2017</b>	<b>494</b>	<b>135</b>	<b>803</b>
Comparison	2016	464	126	744
Difference		6.5%	6.5%	8.0%

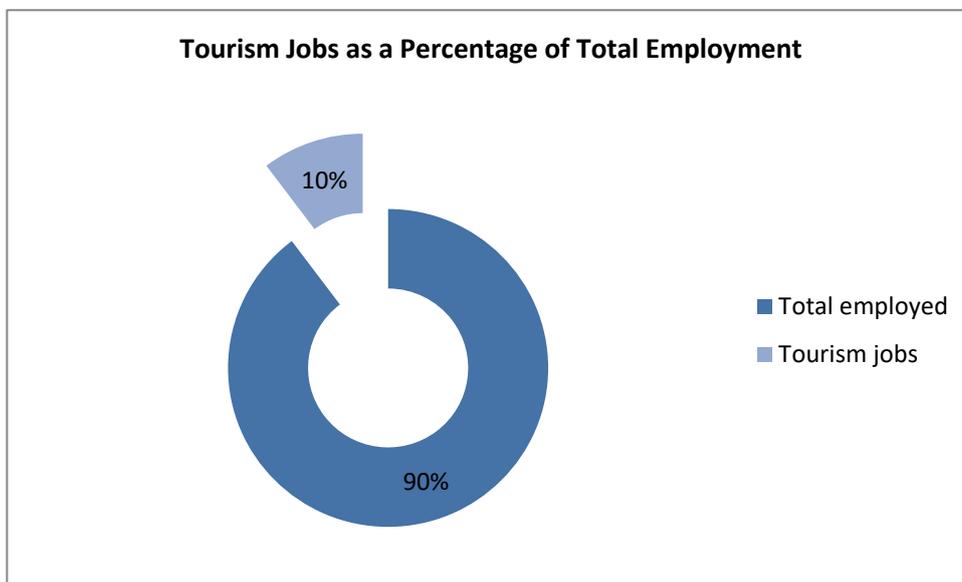
## Total Jobs

Actual jobs are estimated from surveys of relevant businesses at locations in England and take account of part time and seasonal working.

Full time equivalent (FTE)						
	UK Overnight	Overseas	Day Visitor		Total	
Direct	923	257	3,016	81%	4,196	77%
Indirect	256	70	551	15%	877	22%
Induced	178	48	154	4%	380	7%
<b>Total FTE 2017</b>	<b>1,356</b>	<b>375</b>	<b>3,721</b>		<b>5,452</b>	
Comparison 2016	1,276	347	3,445		5,069	
Difference	6.2%	8.0%	8.0%		7.6%	
Estimated actual jobs						
	UK Overnight	Overseas	Day Visitor		Total	
Direct	1,320	369	4,454	85%	6,143	81%
Indirect	292	79	628	12%	1,000	13%
Induced	202	55	175	3%	433	6%
<b>Total Actual 2017</b>	<b>1,815</b>	<b>503</b>	<b>5,257</b>		<b>7,575</b>	
Comparison 2016	1,711	466	4,868		7,044	
Difference	6.1%	8.1%	8.0%		7.5%	

## Tourism Jobs as a Percentage of Total Employment

	UK Overnight	Overseas	Day visitors	Total
Total employed	73,700	73,700	73,700	73,700
Tourism jobs	1,815	503	5,257	7,575
<b>Proportion all jobs</b>	<b>2.5%</b>	<b>0.7%</b>	<b>7.1%</b>	<b>10.3%</b>
Comparison 2016	1,711	503	4,868	7,044
Difference	6.1%	0.0%	8.0%	7.5%



**The key 2017 results of the Economic Impact Assessment are:**

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**7.7 million trips** were undertaken in the area.

**7.3 million** day trips.

**0.4 million** staying trips.

**1.2 million** nights in the area as a result of staying trips.

**£376 million** spent by tourists during their visit to the area.

**£31 million** spent on average in the local economy each month.

**£81 million** generated by staying trips.

**£290 million** generated from irregular day trips.

**£427 million** spent in the local area as result of tourism, taking into account multiplier effects.

**7,575 jobs supported**, both for local residents and for those living nearby.

**6,143 tourism jobs** directly supported.

**1,432 non-tourism related jobs** supported linked to multiplier spend from tourism.

**Key DOMESTIC staying trips**

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**0.3 million** staying trips.

**0.8 million** nights spent in the area as a result of staying trips.

**2.4 nights** per trip.

**£64 million** spent by tourists during their visit to the area.

**£187.21 spend** per trip.

**£76.82 spend** per night.

**£5 million** spent on average in the local economy each month.

**Key OVERSEAS staying trips**

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**0.1 million** staying trips.

**0.4 million** nights spent in the area as a result of staying trips.

**6.8 nights** per trip.

**£17 million** spent by tourists during their visit to the area.

**£321.80 spend** per trip.

**£47.09 spend** per night.

**£1 million** spent on average in the local economy each month.

## **Appendix I - Introduction to Cambridge Model**

This report examines the volume and value of tourism and the impact of that expenditure on the local economy. The figures were derived using the Cambridge Economic Impact Model and the research was undertaken by Destination Research.

The model utilises information from national tourism surveys and regionally based data held by Destination Research. It distributes regional activity as measured in those surveys to local areas using 'drivers' such as the accommodation stock and occupancy which influence the distribution of tourism activity at local level.

### **Limitations of the Model**

The methodology and accuracy of the above sources varies. The results of the model should therefore be regarded as estimates which are indicative of the scale and importance of visitor activity in the local area. It is important to note that in the national tourism surveys the sample sizes for each area changes year on year. This is as a result of the random probability nature of the methodology. As such, the results of the Cambridge Model are best viewed as a snapshot in time and we would caution against year-on-year comparisons.

It should be noted that the model cannot take into account any leakage of expenditure from tourists taking day trips out of the area in which they are staying. While it is assumed that these may broadly balance each other in many areas, in locations receiving significant numbers of day visitors from London, there is likely to be an underestimate in relation to the number of overseas day visitors staying in holiday accommodation in London.

Whilst it is important to be aware of these issues, we are confident that the estimates we have produced are as reliable as is practically possible within the constraints of the information available.

### **Rounding**

All figures used in this report have been rounded. In some tables there may therefore be a slight discrepancy between totals and sub totals.

### **Data sources**

The main national surveys used as data sources in stage one include:

- Great Britain Tourism Survey (GBTS) - information on tourism activity by GB residents;
- International Passenger Survey (IPS) information on overseas visitors to the United Kingdom;
- Day Visits in the annual Great Britain Day Visitor Survey using information on visits lasting more than 3 hours and taken on an irregular basis.

These surveys provide information down to a regional level. In order to disaggregate data to a local level the following information sources are used:

- Records of known local accommodation stock held by Destination Research;
- VisitEngland's surveys of Visits to Attractions, which provide data on the number of visitors to individual tourist attractions;
- Mid- 2017 estimates of resident population as based on the 2011 Census of Population;
- Selected data from the 2011 Census of Employment;
- Selected data on the countryside including national designations.

### **Staying Visitors**

The GBTS provides information on the total number of trips to the region and the relative proportions using different types of accommodation. By matching these figures to the supply of such accommodation, the regional average number of trips per bedspace or unit of accommodation can be derived. The IPS provides information on the total number of trips by overseas visitors to the region. The model uses three year rolling averages to reduce extreme highs and lows which are due to small sample sizes, rather than being a reflection on drastic changes in demand year-on-year.

### **Day Visitors**

Information on day trips at the regional level is available from the Day Visits in Great Britain survey. The survey includes all leisure-related trips from home. It should be noted that a large proportion are local trips made by people resident in the locality. The model uses information from the survey to estimate the number of longer day trips (defined as those lasting at least 3 hours and involving travel of more than 20 miles) and irregular trips lasting more than 3 hours.

### **Impact of tourism expenditure**

This section examines the impact of the tourism expenditure in terms of the direct, indirect and induced expenditure as well as an estimate of the actual jobs (both direct and indirect) supported by tourism expenditure in the district.

The GBTS, IPS and Day Visits to Great Britain survey data on the breakdown of visitor spending. The impact of this initial round of expenditure will be subsequently increased by multiplier effects. These arise from the purchase of supplies and services by the businesses in receipt of visitor expenditure (indirect impacts), and by the income induced-effects arising from the spending of wages by employees in the first round of business and in subsequent expenditure in supplier business (induced impacts).

The New Earnings Survey which provides information on wage levels by industry sector and region; an 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 carried out by Geoff Broom Associates, PA Cambridge Economic Consultants and others. By applying the breakdown to the estimates of visitor spending, the model generates estimates of total direct spending.

Evidence from national studies suggests that some minor adjustments are required to match visitor spend to business turnover – for example, some expenditure on food and drink actually takes place in inns and hotels that fall in the accommodation sector and within attractions. More significantly, expenditure on travel costs associated with individual trips is equally likely to take place at the origin of the trip as at the destination. Therefore the model assumes that only 40% of travel expenditure accrues to the destination area.

### **Number of full time job equivalents**

Having identified the value of turnover generated by visitor spending, it is possible to estimate the employment associated with that spending. Wages for staff and drawings for the proprietors will absorb a proportion of that turnover. By applying these proportions to the overall additional 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 costs by business sector, adjusted to take account of regional differences, can be calculated.

After allowing for additional costs such as National Insurance and pension costs, an average employment cost per full time equivalent 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.

### **Number of Actual Jobs**

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 working is taken into account. The full time equivalent jobs arising directly from visitor spending are converted into actual jobs using information from business surveys in the sectors receiving visitor spending. In general, the conversion factor varies around 1.5 in those sectors.

The indirect and induced jobs arise across a much wider range of employment sectors. Therefore, the average 1.16 for all sectors based on Census of Employment data has been used to convert full time equivalent jobs in this sector to actual jobs.

The employment estimates generated by the model include both self employed and employed people supported by visitor expenditure. The model also includes an estimate of the additional jobs arising in the attractions sector, which are not related to visitor expenditure. However, the numbers do not include other tourism-related employment such as jobs in local authorities arising from their tourism functions, e.g. tourist information staff, additional public health, parks and gardens, public conveniences, maintenance sections and jobs arising from capital investment in tourism facilities.

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