

**vectos.**

Appendix I

# Assumptions

Leaving 0800 Wednesday February 12th 2020 from Eastern Access

Built Up Area (Census) Highlighted

All Built Up Area (BUA) populations over 3000 included

Destination point used as retail / leisure focus of that ward

Populations of zero have been excluded as the data could not be obtained



**28**

average trip length in minutes for  
leisure purposes in 2019

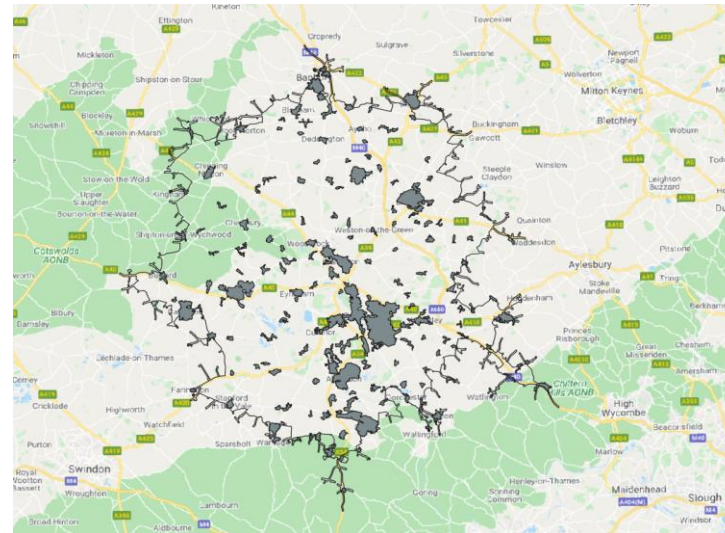
NTS Report Factsheet 2019 Page 6



**16**

minutes per shopping trip on  
average in 2019

NTS Report Factsheet 2019 Page 5



Destination	Original Time	Capped Time (mins)	2011 Census Pop	P/T	By Route	% of total	Proportion per Route	Weighting	Choice 1	Choice 2	Choice 3	Choice 4	Choice 5	Choice 6
					P/T^2									
Bloxham BUA	24	24	3374	141	19764	0.01%	100%	0.0%	A44 North	A44 North	A44 North	A4095 East	Exit Network	Exit Network
Stokenchurch BUA	24	24	4056	169	28561	0.02%	100%	0.0%	A44 South	A44 South	A44 South	A44 South	A40 East	Exit Network
Eynsham BUA	12	12	4648	387	150027	0.08%	33%	0.0%	Rutten Lane South	Yarnton Road	A40 West	Exit Network	Exit Network	Exit Network
							33%	0.0%	A44 North	A44 North	A44 North	A4095 West	Exit Network	Exit Network
							33%	0.0%	A44 South	A44 South	A44 South	A44 South	A40 West	Exit Network
Chinnor BUA	26	26	5473	211	44310	0.02%	100%	0.0%	A44 South	A44 South	A44 South	A44 South	A40 East	Exit Network
Chipping Norton BUA	20	20	5719	286	81767	0.05%	100%	0.0%	A44 North	A44 North	A44 North	A44 North	Exit Network	Exit Network
Benson BUA	24	24	5802	242	58443	0.03%	50%	0.0%	A44 South	A44 South	A44 South	A34 West	Exit Network	Exit Network
							50%	0.0%	A44 South	A44 South	A44 South	A44 South	A40 East	Exit Network
Faringdon BUA	28	28	7121	254	64679	0.04%	100%	0.0%	A44 South	A44 South	A44 South	A34 West	Exit Network	Exit Network
Wallingford BUA	28	28	10348	370	136583	0.08%	50%	0.0%	A44 South	A44 South	A44 South	A34 West	Exit Network	Exit Network
							50%	0.0%	A44 South	A44 South	A44 South	A44 South	A40 East	Exit Network
Thame BUA	24	24	11329	472	222823	0.12%	100%	0.1%	A44 South	A44 South	A44 South	A44 South	A40 East	Exit Network
Brackley BUA	22	22	13018	592	350141	0.19%	60%	0.1%	A44 South	A44 South	A44 South	A34 East	Exit Network	Exit Network
							40%	0.1%	A44 South	A44 South	A4260 East	Exit Network	Exit Network	Exit Network
Kidlington BUA	5	5	15829	3166	10022290	6%	0%	0.0%	Sandy Lane	Exit Network	Exit Network	Exit Network	Exit Network	Exit Network
							100%	5.5%	A44 North	A44 North	Langford Lane	Exit Network	Exit Network	Exit Network
Carterton BUA	22	22	16364	744	553265	0.30%	33%	0.1%	A44 North	A44 North	A44 North	A4095 West	Exit Network	Exit Network
							67%	0.2%	Rutten Lane South	Yarnton Road	A40 West	Exit Network	Exit Network	Exit Network
Wantage BUA	28	28	18505	661	436779	0.24%	100%	0.2%	A44 South	A44 South	A44 South	A34 West	Exit Network	Exit Network
Witney BUA	18	18	29103	1617	2614150	1.4%	33%	0.5%	Rutten Lane South	Yarnton Road	A40 West	Exit Network	Exit Network	Exit Network
							33%	0.5%	A44 North	A44 North	A44 North	A4095 West	Exit Network	Exit Network
							33%	0.5%	A44 South	A44 South	A44 South	A44 South	A40 West	Exit Network
Didcot BUA	22	22	29341	1334	1778707	1.0%	100%	1.0%	A44 South	A44 South	A44 South	A34 West	Exit Network	Exit Network
Bicester BUA	14	14	33846	2418	5844652	3.2%	60%	1.9%	A44 South	A44 South	A44 South	A34 East	Exit Network	Exit Network
							40%	1.3%	A44 South	A44 South	A4260 East	Exit Network	Exit Network	Exit Network
Abingdon BUA	16	16	38676	2417	5843098	3.2%	100%	3.2%	A44 South	A44 South	A44 South	A34 West	Exit Network	Exit Network
Banbury BUA	26	26	48651	1871	3501361	1.9%	70%	1.3%	A44 North	A44 North	A44 North	A4095 East	Exit Network	Exit Network
							18%	0.3%	A44 South	A44 South	A44 South	A34 East	Exit Network	Exit Network
							12%	0.2%	A44 South	A44 South	A4260 East	Exit Network	Exit Network	Exit Network
Oxford BUA	14	14	171380	12241	149852573	82.5%	33%	27.5%	A44 South	A44 South	A44 South	A44 South	A4144	Exit Network
							33%	27.5%	A44 South	A44 South	A44 South	A44 South	A40 East	Exit Network
							33%	27.5%	A44 South	A44 South	A44 South	A34 West	Exit Network	Exit Network
<b>Total</b>					<b>181603974</b>			<b>100%</b>						

Choice 1	Choice 2	Choice 3	Choice 4	Choice 5	Choice 6
Rutten Lane South	0.7% Exit Network	0.0% Exit Network	0.0% Exit Network	7.8% Exit Network	44.3% Exit Network
Sandy Lane	0.0% A44 North	7.5% A44 North	2.0% A4095 West	0.6% A40 West	0.5%
A44 North	7.5% A44 South	91.8% A44 South	90.2% A44 South	55.7% A4144	27.5%
A44 South	91.8% Yarnton Road	0.7% Langford Lane	5.5% A34 West	32.0% A40 East	27.7%
		A4260 East	1.6% A4095 East	1.4%	
		A40 West	0.7% A44 North	0.0%	
			A34 East	2.4%	
	100.0%	100.0%	100.0%	100.0%	100.0%

	Site Access %		Distribution %	
	East Access	South Access	East Access	South Access
1st Choice				
A44 North	90%	10%	6.8%	0.8%
A44 South	50%	50%	45.9%	45.9%
Sandy Lane East	50%	50%	0.0%	0.0%
Rutten Lane South	0%	100%	0.0%	0.7%

Destination	Original Time	Capped Time (mins)	2011 Census Pop	P/T	By Route	% of total	Proportion per Route	Weighting	Choice 1	Choice 2	Choice 3	Choice 4	Choice 5	Choice 6
					P/T^2									
Eynsham BUA	12	12	4648	387	150027	0.09%	33%	0.0%	Rutten Lane South	Yarnton Road	A40 West	Exit Network	Exit Network	Exit Network
							33%	0.0%	A44 North	A44 North	A44 North	A4095 West	Exit Network	Exit Network
							33%	0.0%	A44 South	A44 South	A44 South	A44 South	A40 West	Exit Network
Kidlington BUA	5	5	15829	3166	10022290	6%	0%	0.0%	Sandy Lane	Exit Network	Exit Network	Exit Network	Exit Network	Exit Network
							100%	5.8%	A44 North	A44 North	Langford Lane	Exit Network	Exit Network	Exit Network
Bicester BUA	14	14	33846	2418	5844652	3.4%	60%	2.0%	A44 South	A44 South	A44 South	A34 East	Exit Network	Exit Network
							40%	1.4%	A44 South	A44 South	A4260 East	Exit Network	Exit Network	Exit Network
Abingdon BUA	16	16	38676	2417	5843098	3.4%	100%	3.4%	A44 South	A44 South	A44 South	A34 West	Exit Network	Exit Network
Oxford BUA	14	14	171380	12241	149852573	87.3%	100%	87.3%	A44 South	A44 South	A44 South	A44 South	A4144	Exit Network
									A44 South	A44 South	A44 South	A44 South	A40 East	Exit Network
									A44 South	A44 South	A44 South	A34 West	Exit Network	Exit Network
<b>Total</b>					<b>171712639</b>	<b>100%</b>		<b>100%</b>						

Choice 1	Choice 2	Choice 3	Choice 4	Choice 5	Choice 6
Rutten Lane South	0.0% Exit Network	0.0% Exit Network	0.0% Exit Network	7.2% Exit Network	12.7% Exit Network
A44 North	5.9% A44 North	5.9% A44 North	0.0% A4095 West	0.0% A40 West	
A44 South	94.1% A44 South	94.1% A44 South	92.7% A44 South	87.3% A4144	87.3%
Sandy Lane	0.0% Yarnton Road West	0.0% Langford Lane	5.8% A34 West	3.4% A40 East	0.0%
			A40 West	0.0% A34 East	2.0%
			A4260 East	1.4%	
	100.0%	100.0%	100.0%	100.0%	100.0%

1st Choice	Site Access %		Distribution %	
	East Access	South Access	East Access	South Access
A44 North	90%	10%	5.3%	0.6%
A44 South	50%	50%	47.1%	47.1%
Sandy Lane East	50%	50%	0.0%	0.0%
Rutten Lane South	0%	100%	0.0%	0.0%