

## GVA per Hour Worked and GVA per Filled Job: 2020 Period

### Introduction

Gross value added (GVA) per hour worked is the preferred measure of labour productivity. In 2020, in response to the coronavirus pandemic, both the UK chained volume measure (CVM) GVA and hours worked declined substantially (by 10% and 11%, respectively). In the majority of areas, the decline in hours worked was greater than the decline in GVA. Positive productivity growth was mainly because of the distribution of economic activity between industries.

For 2020, GVA per job data needs to be treated with some caution. The productivity jobs metric only declined around 1% in the UK during 2020 as a result of the Coronavirus Job Retention Scheme (CJRS) which protected job status. Therefore, the average amount of hours worked per job will have been much lower than normal. In terms of productivity, this means large year-on-year declines in the levels of output per job for 2020. As such, GVA per job data for 2020 are not very representative of longer-term trends.

### In Summary:

- The Midlands Engine unsmoothed GVA per hour worked<sup>1</sup> increased from £32.05 in 2019 to £34.71 in 2020 (+8.3%, +£2.66). The UK unsmoothed GVA per hour worked increased from £36.49 in 2019 to £39.94 in 2020 (+9.5%, +£3.45). There was a shortfall of £5.23 when comparing the Midlands Engine area to the UK.
- The Midlands Engine unsmoothed GVA per filled job<sup>2</sup> decreased from £50,934 in 2019 to £49,527 in 2020 (-2.8%, -£1,407). The UK unsmoothed GVA per job filled decreased from £58,871 in 2019 to £57,625 in 2020 (-2.1%, -£1,246). There was a shortfall of £8,098 when comparing the Midlands Engine to the UK.

### Full brief

#### GVA per hour<sup>3</sup>

- The Midlands Engine unsmoothed GVA per hour worked<sup>4</sup> increased from £32.05 in 2019 to £34.71 in 2020 (+8.3%, +£2.66). The UK<sup>5</sup> unsmoothed GVA per hour worked increased from £36.49 in 2019 to £39.94 in 2020 (+9.5%, +£3.45). There was a shortfall of £5.23 when comparing the Midlands Engine area to the UK.
- Within the Midlands Engine, 2 local authorities decreased in smoothed GVA per hour since 2019; Rugby (-£0.04 to £35.43) and Staffordshire Moorlands (-£0.36 to £27.29). At the other end of the scale, South Derbyshire increased by £2.45 (to £58.74), Rushcliffe by £2.18 (to £42.92) and Broxtowe by £1.76 (to £37.15).
- In 2020, smoothed GVA per hour work varied for the Midlands Engine 9 LEPs from £28.61 (+2.4%, +£0.67 since 2019) in the Marches LEP to £38.08 (+1.0%, +£0.38 since 2019) in Coventry and Warwickshire LEP.

<sup>1</sup> A Midlands Engine (LA) figure is only available on an unsmoothed basis

<sup>2</sup> A Midlands Engine figure is only available on an unsmoothed basis

Source: [Office for National Statistics \(ONS\), Subregional productivity in the UK: July 2022](#)

<sup>3</sup> GVA per hour worked divides GVA by the total hours worked by the workforce in the area.

<sup>4</sup> A Midlands Engine (LA) figure is only available on an unsmoothed basis.

<sup>5</sup> UK less Extra-Regio has been used.

- Smoothed GVA per hour worked for the West Midlands region increased by 1.9% (+£0.62) since 2019 to £33.07 in 2020. Smoothed GVA per hour worked for the East Midlands region increased by 2.5% (+£0.78) since 2019 to £32.58 in 2020. The UK smoothed GVA per hour worked increased by 2.1% (+£0.78) since 2019 to £37.73 in 2020.

A full breakdown by local authority (smoothed GVA per hour) is available in the appendix.

Smoothed and unsmoothed GVA per hour worked for the Midlands Engine, 9 LEPs, West Midlands Region, East Midlands region and the UK:

	Smoothed				Unsmoothed			
	2019	2020	% Change	Num. Change	2019	2020	% Change	Num. Change
<b>Midlands Engine</b>	-	-	-	-	<b>£32.05</b>	<b>£34.71</b>	<b>8.3%</b>	<b>£2.66</b>
Black Country	£29.61	£30.67	3.6%	£1.06	£28.29	£34.36	21.5%	£6.07
Coventry and Warwickshire	£37.70	£38.08	1.0%	£0.38	£37.46	£39.09	4.4%	£1.63
Derby, Derbyshire, Nottingham and Nottinghamshire	£32.03	£32.91	2.7%	£0.88	£31.64	£35.24	11.4%	£3.60
Greater Birmingham and Solihull	£33.41	£33.77	1.1%	£0.36	£33.41	£34.59	3.5%	£1.18
Greater Lincolnshire	£30.66	£31.29	2.1%	£0.63	£30.86	£32.56	5.5%	£1.70
Leicester and Leicestershire	£33.48	£34.18	2.1%	£0.70	£33.70	£35.53	5.4%	£1.83
Stoke-on-Trent and Staffordshire	£30.44	£31.07	2.1%	£0.63	£30.58	£32.34	5.8%	£1.76
The Marches	£27.94	£28.61	2.4%	£0.67	£27.58	£30.47	10.5%	£2.89
Worcestershire	£31.96	£32.78	2.6%	£0.82	£31.79	£34.76	9.3%	£2.97
West Midlands Region	£32.45	£33.07	1.9%	£0.62	£36.49	£39.94	9.5%	£3.45
East Midlands Region	£31.80	£32.58	2.5%	£0.78	£31.44	£34.59	10.0%	£3.15
UK (less Extra-Regio)	£36.95	£37.73	2.1%	£0.78	£32.11	£34.75	8.2%	£2.64

### GVA per Filled Job<sup>6</sup>

- The Midlands Engine unsmoothed GVA per filled job<sup>7</sup> decreased from £50,934 in 2019 to £49,527 in 2020 (-2.8%, -£1,407). The UK unsmoothed GVA per job filled decreased from £58,871 in 2019 to £57,625 in 2020 (-2.1%, -£1,246). There was a shortfall of £8,098 when comparing the Midlands Engine to the UK.
- Within the Midlands Engine, 20 local authorities decreased in smoothed GVA per job filled since 2019, for example; Solihull (-£1,265 to £67,414), Staffordshire Moorlands (-£1,206 to £41,105) and Redditch (-£1,076 to £51,406). At the other end of the scale, South Derbyshire increased by £2,316 (to £89,414), North East Derbyshire increased by £1,454 (to £48,993) and Rushcliffe increased by £1,349 (to £60,533).
- In 2020, smoothed GVA per job filled varied for the Midlands Engine 9 LEPs from £42,967 (+0.6%, +£269 since 2019) in the Marches LEP to £58,343 (-0.4%, -£221 since 2019) in Coventry and Warwickshire LEP. Across the 9 LEPs, Greater Birmingham and Solihull LEP decreased by 0.5% (-£252) since 2019 to £51,730.
- Smoothed GVA per job filled for the West Midlands region increased by 0.1% (+£46) since 2019 to £50,463 in 2020. Smoothed GVA per job filled for the East Midlands region increased by 0.7% (+£326) since 2019 to £49,480 in 2020. The UK smoothed GVA per job filled increased by 0.4% (+£246) since 2019 to £58,054 in 2020.

<sup>6</sup> GVA per filled job allocates GVA to the number of jobs in the area.

<sup>7</sup> A Midlands Engine figure is only available on an unsmoothed basis.

A full breakdown by local authority (smoothed GVA per job filled) is available in the appendix.

Smoothed and Unsmoothed GVA per job filled for the Midlands Engine, 9 LEPs, West Midlands Region, East Midlands region and the UK:

	Smoothed				Unsmoothed			
	2019	2020	% Change	Num. Change	2019	2020	% Change	Num. Change
<b>Midlands Engine</b>	-	-	-	-	<b>£50,934</b>	<b>£49,527</b>	<b>-2.8%</b>	<b>-£1,407</b>
Black Country	£46,224	£46,568	0.7%	£344	£46,842	£46,817	-0.1%	-£25
Coventry and Warwickshire	£58,564	£58,343	-0.4%	-£221	£59,457	£56,965	-4.2%	-£2,492
Derby, Derbyshire, Nottingham and Nottinghamshire	£49,214	£49,729	1.0%	£514	£50,072	£50,160	0.2%	£88
Greater Birmingham and Solihull	£51,982	£51,730	-0.5%	-£252	£52,891	£50,318	-4.9%	-£2,573
Greater Lincolnshire	£47,277	£47,448	0.4%	£171	£49,378	£45,959	-6.9%	-£3,419
Leicester and Leicestershire	£51,468	£51,566	0.2%	£97	£52,312	£50,552	-3.4%	-£1,760
Stoke-on-Trent and Staffordshire	£47,843	£48,004	0.3%	£160	£49,227	£47,227	-4.1%	-£2,000
The Marches	£42,699	£42,967	0.6%	£269	£43,013	£43,063	0.1%	£50
Worcestershire	£49,541	£49,769	0.5%	£228	£51,101	£48,706	-4.7%	-£2,395
West Midlands Region	£50,417	£50,463	0.1%	£46	£51,263	£49,753	-2.9%	-£1,510
East Midlands Region	£49,153	£49,480	0.7%	£326	£50,079	£49,214	-1.7%	-£865
UK (less Extra-Regio)	£57,808	£58,054	0.4%	£246	£58,871	£57,625	-2.1%	-£1,246

## Appendix

## Smoothed GVA per hour and GVA per job filled across the Midlands Engine local authorities:

	Smoothed GVA per Hour				Smoothed GVA per Job Filled			
	2019	2020	% Change	Num. Change	2019	2020	% Change	Num. Change
Amber Valley	£32.96	£34.24	3.9%	£1.28	£51,610	£52,856	2.4%	£1,247
Ashfield	£31.77	£32.72	3.0%	£0.95	£50,567	£51,286	1.4%	£719
Bassetlaw	£25.66	£26.43	3.0%	£0.77	£40,918	£41,536	1.5%	£618
Birmingham	£31.82	£32.12	0.9%	£0.30	£49,605	£49,521	-0.2%	-£84
Blaby	£38.05	£38.39	0.9%	£0.34	£59,724	£59,822	0.2%	£98
Bolsover	£41.55	£42.03	1.2%	£0.48	£65,557	£66,703	1.7%	£1,146
Boston	£27.07	£28.13	3.9%	£1.06	£42,484	£43,265	1.8%	£781
Bromsgrove	£34.34	£35.49	3.3%	£1.15	£52,801	£53,377	1.1%	£576
Broxtowe	£35.39	£37.15	5.0%	£1.76	£52,360	£53,423	2.0%	£1,063
Cannock Chase	£29.72	£30.50	2.6%	£0.78	£48,013	£48,426	0.9%	£413
Charnwood	£33.33	£33.49	0.5%	£0.16	£49,913	£49,347	-1.1%	-£566
Chesterfield	£29.43	£30.25	2.8%	£0.82	£45,650	£46,767	2.4%	£1,117
Coventry	£37.13	£37.48	0.9%	£0.35	£57,940	£57,734	-0.4%	-£206
Derby	£33.08	£33.51	1.3%	£0.43	£50,216	£49,960	-0.5%	-£256
Derbyshire Dales	£24.94	£25.33	1.6%	£0.39	£37,628	£37,637	0.0%	£9
Dudley	£29.17	£30.66	5.1%	£1.49	£44,051	£44,440	0.9%	£389
East Lindsey	£26.65	£27.06	1.5%	£0.41	£38,594	£38,338	-0.7%	-£256
East Staffordshire	£33.79	£33.83	0.1%	£0.04	£54,597	£53,812	-1.4%	-£785
Erewash	£26.22	£27.13	3.5%	£0.91	£40,362	£40,995	1.6%	£633
Gedling	£31.26	£32.62	4.4%	£1.36	£46,708	£47,732	2.2%	£1,024
Harborough	£30.36	£31.08	2.4%	£0.72	£47,345	£47,820	1.0%	£475
Herefordshire, County of	£24.98	£25.70	2.9%	£0.72	£38,918	£39,204	0.7%	£286
High Peak	£25.73	£26.15	1.6%	£0.42	£38,928	£38,781	-0.4%	-£147
Hinckley and Bosworth	£34.87	£36.01	3.3%	£1.14	£53,249	£53,480	0.4%	£231
Leicester	£32.85	£33.97	3.4%	£1.12	£49,733	£50,195	0.9%	£462
Lichfield	£29.32	£29.79	1.6%	£0.47	£44,835	£44,623	-0.5%	-£212
Lincoln	£31.27	£32.17	2.9%	£0.90	£48,168	£48,578	0.9%	£410
Malvern Hills	£33.23	£34.28	3.2%	£1.05	£49,533	£49,813	0.6%	£280
Mansfield	£25.77	£26.59	3.2%	£0.82	£38,993	£39,394	1.0%	£400
Melton	£36.09	£37.13	2.9%	£1.04	£54,505	£55,083	1.1%	£579
Newark and Sherwood	£28.67	£28.86	0.7%	£0.19	£44,251	£44,165	-0.2%	-£87
Newcastle-under-Lyme	£28.59	£29.56	3.4%	£0.97	£44,244	£44,805	1.3%	£561
North East Derbyshire	£30.43	£31.41	3.2%	£0.98	£47,539	£48,993	3.1%	£1,454
North East Lincolnshire	£28.45	£29.22	2.7%	£0.77	£45,023	£45,588	1.3%	£564
North Kesteven	£34.22	£34.96	2.2%	£0.74	£48,820	£49,164	0.7%	£345
North Lincolnshire	£35.17	£35.30	0.4%	£0.13	£57,379	£56,917	-0.8%	-£462
North Warwickshire	£36.96	£37.82	2.3%	£0.86	£59,412	£59,992	1.0%	£580
North West Leicestershire	£33.79	£33.86	0.2%	£0.07	£54,373	£53,664	-1.3%	-£709
Nottingham	£31.99	£32.77	2.4%	£0.78	£49,404	£49,577	0.4%	£173
Nuneaton and Bedworth	£28.03	£28.91	3.1%	£0.88	£42,603	£43,240	1.5%	£637
Oadby and Wigston	£26.51	£26.88	1.4%	£0.37	£40,996	£41,419	1.0%	£424
Redditch	£32.77	£32.87	0.3%	£0.10	£52,482	£51,406	-2.1%	-£1,076
Rugby	£35.47	£35.43	-0.1%	-£0.04	£54,714	£53,741	-1.8%	-£972
Rushcliffe	£40.74	£42.92	5.4%	£2.18	£59,184	£60,533	2.3%	£1,349
Rutland	£29.41	£30.35	3.2%	£0.94	£39,548	£40,016	1.2%	£468
Sandwell	£31.75	£32.76	3.2%	£1.01	£51,656	£52,503	1.6%	£847
Shropshire	£27.66	£28.36	2.5%	£0.70	£40,952	£41,089	0.3%	£138
Solihull	£46.02	£46.31	0.6%	£0.29	£68,679	£67,414	-1.8%	-£1,265

	Smoothed GVA per Hour				Smoothed GVA per Job Filled			
	2019	2020	% Change	Num. Change	2019	2020	% Change	Num. Change
South Derbyshire	£56.29	£58.74	4.4%	£2.45	£87,098	£89,414	2.7%	£2,316
South Holland	£31.66	£32.28	2.0%	£0.62	£51,695	£51,891	0.4%	£196
South Kesteven	£28.61	£29.09	1.7%	£0.48	£43,939	£43,826	-0.3%	-£113
South Staffordshire	£31.32	£32.33	3.2%	£1.01	£48,961	£49,675	1.5%	£714
Stafford	£30.74	£31.71	3.2%	£0.97	£47,775	£48,532	1.6%	£757
Staffordshire Moorlands	£27.65	£27.29	-1.3%	-£0.36	£42,311	£41,105	-2.8%	-£1,206
Stoke-on-Trent	£30.40	£31.25	2.8%	£0.85	£47,951	£48,524	1.2%	£572
Stratford-on-Avon	£40.16	£40.19	0.1%	£0.03	£62,506	£61,777	-1.2%	-£729
Tamworth	£31.47	£31.87	1.3%	£0.40	£50,142	£49,883	-0.5%	-£259
Telford and Wrekin	£31.62	£32.11	1.5%	£0.49	£49,671	£50,108	0.9%	£437
Walsall	£27.61	£28.66	3.8%	£1.05	£42,165	£42,248	0.2%	£83
Warwick	£43.44	£43.83	0.9%	£0.39	£66,557	£66,226	-0.5%	-£331
West Lindsey	£31.83	£32.55	2.3%	£0.72	£49,121	£49,386	0.5%	£265
Wolverhampton	£29.59	£30.24	2.2%	£0.65	£46,504	£46,505	0.0%	£1
Worcester	£35.42	£36.56	3.2%	£1.14	£53,982	£54,540	1.0%	£558
Wychavon	£31.05	£32.09	3.3%	£1.04	£49,308	£50,024	1.5%	£717
Wyre Forest	£23.66	£23.85	0.8%	£0.19	£36,474	£36,268	-0.6%	-£205
UK (less Extra-Regio)	£36.95	£37.73	2.1%	£0.78	£57,808	£58,054	0.4%	£246