

Appendix 1

Overview of monitoring indicators to be included in The State of Transport

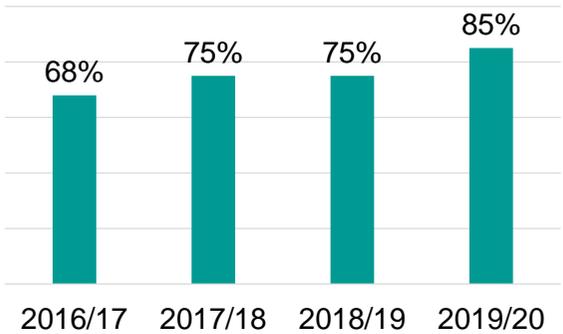
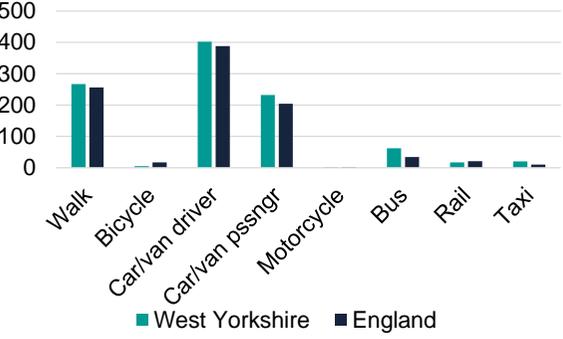
Indicator title	Description	Rationale	Source	Latest available at time of writing	Frequency	Geography for which data is available
Access inequality ratio	The ratio of the number of jobs accessible in 30 minutes using the bus network from most deprived areas in West Yorkshire, relative to the number of jobs accessible by car in 30 minutes from same areas, during the morning peak	Allows us to understand the temporal trend of inequality in access to jobs from the most deprived communities by car vs public transport	Combined Authority analysis using journey time software utilising public transport route/timetable information	2019/20	Annual Next data expected July 2022	West Yorkshire
West Yorkshire mode share	Average number of trips per person per year by mode.	Allows us to track changes in mode share.	National Travel Survey, Department for Transport, 2020	2017-2019	Annual however the 2020 survey was cancelled due to the pandemic	West Yorkshire and Local Authority

Indicator title	Description	Rationale	Source	Latest available at time of writing	Frequency	Geography for which data is available
Average distance travelled by mode (new in State of the Region for 2022)	Average miles travelled by mode per person, per year	Allows us to understand temporal trends in average journey distance by mode	National Travel Survey, Department for Transport, 2020	Data requested	Annual	Regional, with a request to DfT for a bespoke West Yorkshire table
Reported road casualties	The number of people killed or seriously injured (KSI) in West Yorkshire.	Allows us to understand the temporal trend of safety on our roads	Department for Transport	2020	Annual	West Yorkshire
MCard ticket transactions	The number of bus trips made using MCard Products	Allows us to understand uptake the MCard.	Combined Authority Analysis of Nero reports	2021	Annually reported, but data is available weekly Next data expected July 2022	West Yorkshire

Indicator title	Description	Rationale	Source	Latest available at time of writing	Frequency	Geography for which data is available
Satisfaction with highway infrastructure	Public satisfaction with highway infrastructure in West Yorkshire on a scale of 1-10. This is a composite indicator calculated as the average rating of all highway infrastructure elements (including roads, cycleways, footways, drainage infrastructure and street lighting) weighted by their relative importance.	Allows us to understand temporal trends in satisfaction with highway assets such as cycleways, footways, drainage infrastructure and street lighting.	Annual Public Perceptions of Transport Survey	2021/22	Annual	West Yorkshire & Local Authority
Satisfaction with public transport	Public satisfaction with bus and rail services in the region on a scale of 1-10	Allows us to understand temporal trends in satisfaction with Public Transport.	Annual Public Perceptions of Transport Survey	2021/22	Annual	West Yorkshire & Local Authority

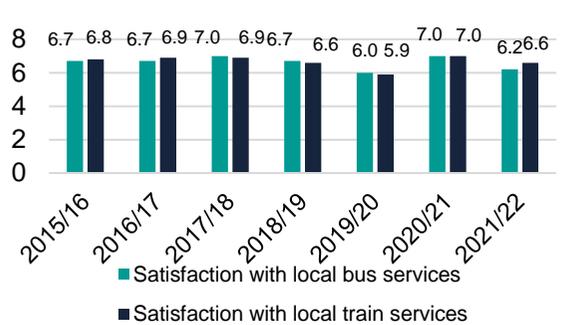
Summary of performance against the indicators

[Link](#) to State of the Region interactive dashboard containing further detail on these indicators

Indicator	Headline chart	Comment																											
<p>Access inequality ratio</p> <p><i>Access inequality ratio (employment)¹</i></p> <p>Source: Combined Authority analysis</p>	 <table border="1"> <caption>Access inequality ratio (employment)</caption> <thead> <tr> <th>Year</th> <th>Ratio (%)</th> </tr> </thead> <tbody> <tr> <td>2016/17</td> <td>68%</td> </tr> <tr> <td>2017/18</td> <td>75%</td> </tr> <tr> <td>2018/19</td> <td>75%</td> </tr> <tr> <td>2019/20</td> <td>85%</td> </tr> </tbody> </table>	Year	Ratio (%)	2016/17	68%	2017/18	75%	2018/19	75%	2019/20	85%	<p>Inequality of physical access to employment from the most deprived areas in West Yorkshire improved substantially in 2019/20</p>																	
Year	Ratio (%)																												
2016/17	68%																												
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<p>West Yorkshire mode share</p> <p><i>Average trips per person and year by mode (2017/19 average)</i></p> <p>National Travel Survey, Department for Transport, 2020</p>	 <table border="1"> <caption>Average trips per person and year by mode (2017/19 average)</caption> <thead> <tr> <th>Mode</th> <th>West Yorkshire</th> <th>England</th> </tr> </thead> <tbody> <tr> <td>Walk</td> <td>~270</td> <td>~260</td> </tr> <tr> <td>Bicycle</td> <td>~10</td> <td>~10</td> </tr> <tr> <td>Car/van driver</td> <td>~400</td> <td>~380</td> </tr> <tr> <td>Car/van pssngr</td> <td>~240</td> <td>~210</td> </tr> <tr> <td>Motorcycle</td> <td>~10</td> <td>~10</td> </tr> <tr> <td>Bus</td> <td>~60</td> <td>~40</td> </tr> <tr> <td>Rail</td> <td>~10</td> <td>~10</td> </tr> <tr> <td>Taxi</td> <td>~10</td> <td>~10</td> </tr> </tbody> </table>	Mode	West Yorkshire	England	Walk	~270	~260	Bicycle	~10	~10	Car/van driver	~400	~380	Car/van pssngr	~240	~210	Motorcycle	~10	~10	Bus	~60	~40	Rail	~10	~10	Taxi	~10	~10	<p>Before the pandemic West Yorkshire saw a decline in trips made by car and an increase in walking but West Yorkshire is still more reliant on the car than nationally</p>
Mode	West Yorkshire	England																											
Walk	~270	~260																											
Bicycle	~10	~10																											
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¹ This is the ratio of number of jobs accessible in 30 minutes using frequent bus network from most deprived areas in West Yorkshire, to the number of jobs accessible by car in 30 minutes from same areas, during the morning peak

Indicator	Headline chart	Comment																						
<p>Reported road casualties</p> <p><i>Killed or seriously injured casualties (KSI) in West Yorkshire</i></p> <p>Source: Reported road casualties West Yorkshire annual report, Leeds City Council.</p>	<table border="1"> <caption>Reported road casualties (KSI) in West Yorkshire</caption> <thead> <tr> <th>Year</th> <th>KSI</th> </tr> </thead> <tbody> <tr><td>2011</td><td>900</td></tr> <tr><td>2012</td><td>950</td></tr> <tr><td>2013</td><td>880</td></tr> <tr><td>2014</td><td>920</td></tr> <tr><td>2015</td><td>920</td></tr> <tr><td>2016</td><td>880</td></tr> <tr><td>2017</td><td>850</td></tr> <tr><td>2018</td><td>880</td></tr> <tr><td>2019</td><td>850</td></tr> <tr><td>2020</td><td>654</td></tr> </tbody> </table>	Year	KSI	2011	900	2012	950	2013	880	2014	920	2015	920	2016	880	2017	850	2018	880	2019	850	2020	654	<p>The number of people killed or seriously injured (KSI) in West Yorkshire fell by 26% between 2016 and 2020, continuing a long-term downward trend. However, most of this reduction (21%) occurred between 2019 and 2020 and is therefore associated to the lower mobility during the Covid-19 pandemic.</p>
Year	KSI																							
2011	900																							
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2013	880																							
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<p>MCard ticket transactions</p> <p><i>Bus Trips made using MCard Products (millions)</i></p> <p>Source: WYCA NERO Reports</p>	<table border="1"> <caption>Bus Trips made using MCard Products (millions)</caption> <thead> <tr> <th>Year</th> <th>Trips (millions)</th> </tr> </thead> <tbody> <tr><td>2016</td><td>14</td></tr> <tr><td>2017</td><td>17</td></tr> <tr><td>2018</td><td>18</td></tr> <tr><td>2019</td><td>18</td></tr> <tr><td>2020</td><td>8</td></tr> <tr><td>2021</td><td>11</td></tr> </tbody> </table>	Year	Trips (millions)	2016	14	2017	17	2018	18	2019	18	2020	8	2021	11	<p>Uptake of smart ticketing was on an upward trend prior to the pandemic, but then fell along with bus patronage. Purchase of products through digital channels (including the new MCard app) continues to grow.</p>								
Year	Trips (millions)																							
2016	14																							
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2021	11																							
<p>Satisfaction with highway infrastructure</p> <p><i>Public satisfaction with highway infrastructure in West Yorkshire (average score on scale of 1-10)</i></p> <p>Source: Public Perceptions of Transport Survey</p>	<table border="1"> <caption>Public satisfaction with highway infrastructure in West Yorkshire</caption> <thead> <tr> <th>Fiscal Year</th> <th>Average Score</th> </tr> </thead> <tbody> <tr><td>2016/17</td><td>5.7</td></tr> <tr><td>2017/18</td><td>5.9</td></tr> <tr><td>2018/19</td><td>6.3</td></tr> <tr><td>2019/20</td><td>5.4</td></tr> <tr><td>2020/21</td><td>5.8</td></tr> <tr><td>2021/22</td><td>5.8</td></tr> </tbody> </table>	Fiscal Year	Average Score	2016/17	5.7	2017/18	5.9	2018/19	6.3	2019/20	5.4	2020/21	5.8	2021/22	5.8	<p>There is some annual volatility in satisfaction scores, but the broad trend is relatively flat.</p>								
Fiscal Year	Average Score																							
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Indicator	Headline chart	Comment																								
<p>Satisfaction with public transport</p> <p><i>Satisfaction with bus and rail services in the region</i></p> <p>Source: Public Perceptions of Transport Survey</p>	 <table border="1"> <caption>Satisfaction with local bus and train services (2015/16 to 2021/22)</caption> <thead> <tr> <th>Year</th> <th>Satisfaction with local bus services</th> <th>Satisfaction with local train services</th> </tr> </thead> <tbody> <tr> <td>2015/16</td> <td>6.7</td> <td>6.8</td> </tr> <tr> <td>2016/17</td> <td>6.7</td> <td>6.9</td> </tr> <tr> <td>2017/18</td> <td>7.0</td> <td>6.9</td> </tr> <tr> <td>2018/19</td> <td>6.7</td> <td>6.6</td> </tr> <tr> <td>2019/20</td> <td>6.0</td> <td>5.9</td> </tr> <tr> <td>2020/21</td> <td>7.0</td> <td>7.0</td> </tr> <tr> <td>2021/22</td> <td>6.2</td> <td>6.6</td> </tr> </tbody> </table>	Year	Satisfaction with local bus services	Satisfaction with local train services	2015/16	6.7	6.8	2016/17	6.7	6.9	2017/18	7.0	6.9	2018/19	6.7	6.6	2019/20	6.0	5.9	2020/21	7.0	7.0	2021/22	6.2	6.6	<p>Satisfaction with public transport services increased in 2020/21, in spite of the effects of the pandemic but fell slightly in the most recent data.</p>
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List of transport-related indicators included in the Levelling Up White Paper

Link to CA priority	Indicator	Key indicator in WP	WP Mission (see below*)	Proposed role in CA reporting
Transport	Usual method of travel to work by region of workplace	Yes	3	Data not available for WY
Transport	Average travel time in minutes to reach nearest large employment centre (500+ employees)	Yes	3	TBC
Transport	Percentage of non-frequent bus services running on time	No	3	TBC
Transport	Average excess waiting time for frequent bus services	No	3	TBC
Transport	Public transport trips as a proportion of total trips per year	No	3	Existing indicator (mode share)

*Mission 3: By 2030, local public transport connectivity across the country will be significantly closer to the standards of London, with improved services, simpler fares and integrated ticketing.