




# United Kingdom

The UK has been able to maintain transport CO<sub>2</sub> emissions at a constant level, even as passenger travel demand has continued to rise.

The country has a comprehensive strategy to increase the share of public transport, walking, and cycling in cities, as well as inter-city railway services. Several plans in the UK support a transformational change of the mobility sector in the coming decade. For example, Scotland has plans which provide strong funding for sustainable transport.

	 Population size (2020)	 Urban population share (2020)	 GDP per capita (2019)
<b>Total</b>	67.9 million	83.2%	43238.3
<b>Growth (2010 to 2020)</b>	7%	9.8%	18%

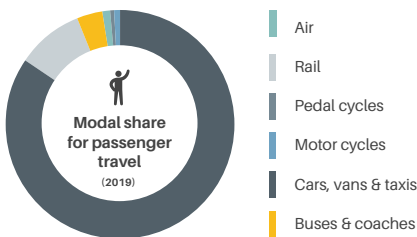
Income group: High-income  
Human Development Index: 0.93

## Mobility Demand Trends

### Passenger travel activity

872 856

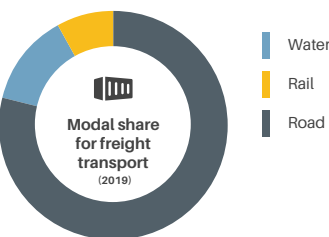
million passenger-km in 2019  
+12.4% (2010 to 2019)



### Freight transport activity

195 561

million ton-km in 2019  
-6.9% (2010 to 2019)



### Fuel consumption (2018)

41 423

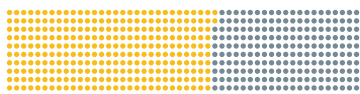
thousand tonnes of oil equivalent  
+3% (2010 to 2018)

Average light duty fuel economy consumption (2017)  
5.8 Lge/100 km (WLTP)



### Car ownership growth (2005 to 2015)

584.4 vehicles per 1,000 people



+4.3%

### Vehicle sales (2019)

**Passenger** (Growth 2010 to 2019)  
2311 140 -2.4%

**Commercial**  
365 778 -0.4%

**Diesel**  
US cents per litre (2018)

177

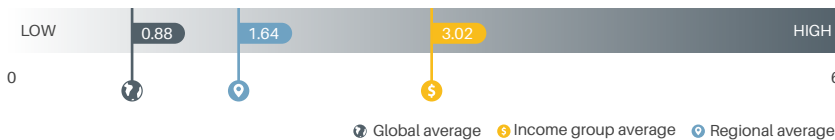
**Super gasoline**  
US cents per litre (2018)

167

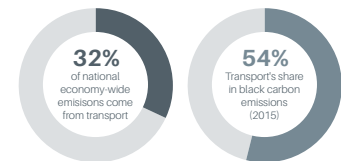
## Transport Emission Trends

**Transport CO<sub>2</sub> emissions (2019)**  
116.2 million tonnes

**Per capita transport CO<sub>2</sub> emissions (2019)**  
1.7 tonnes

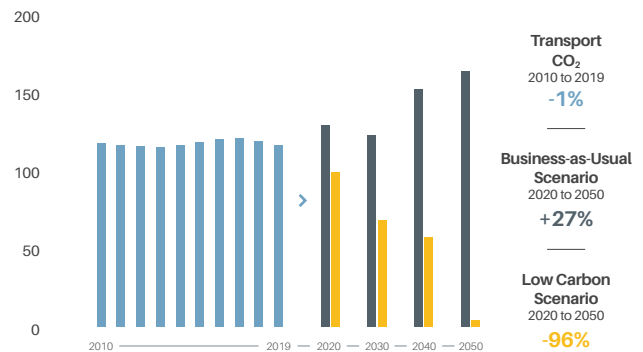


**Largest CO<sub>2</sub> producing sector in the country**



## Low Carbon Transport Pathways

Transport strategy identifies climate change	✓
Long-term strategy submitted to UNFCCC	✓
NDC submitted	1st and Updated NDC
NDC highlights transport for GHG mitigation	✗
Transport mitigation targets in NDC	✗
Other non-emission related transport targets in NDC	Not available
Voluntary National Review highlights transport	✓
2019 VNR with transport linkages to SDG 9	



### Transport measures in NDC

Mitigation • Not available

Adaptation • Not available

## Sustainable Mobility Planning & Transport Demand Management

National Urban Mobility Framework (2020)	✓
Sustainable Urban Mobility Plans (2020)	✓
Low Emission Zones (2020)	14 cities

## Walking and Cycling

National walking and cycling strategies (2020)	Walking and cycling combined in Cycling and Walking Investment Strategy
<b>Targets</b>	<ul style="list-style-type: none"> <li>• Double cycling activity, achieve 1.6 billion modal shifts from other forms of transport to cycling in 2025</li> <li>• Increase walking, achieve 300 modal shifts per person per year from other forms of transport to walking in 2025</li> <li>• Increase share of children (aged 5 to 10) that walk to school from 49% in 2014 to 55% in 2025</li> </ul>
Cycling infrastructure in capital (2020)	2000 km of separated bikelanes

## Urban Passenger and Freight Transport

Bus rapid transit (2020)	135 km in 7 cities
Urban rail (LRT, metro, tram) (2020)	Over 800 km in 10 cities
Bus rapid transit daily passenger volume (2020)	78 226
Rapid Transit to Resident Ratio (2019)	32

## Passenger and Freight Railways

Rail network (2018)	16 295 km
High-speed rail (2018)	115 km
High-speed rail travel activity (2018)	4.8 billion passenger-km
National plans for passenger and freight rail expansion	✓
<b>Targets</b>	<ul style="list-style-type: none"> <li>• Plan includes to improve railways, expand network and improve passenger service</li> </ul>
Rail travel activity (2018)	80 526 million passenger-km
Rail freight activity (2018)	17 206 million ton-km

## Shared Mobility Services

Bike-sharing systems (2020)	63 systems
Electric scooter services (2020)	7 operators in 14 cities
Carsharing services (2021)	143 services
National legal frameworks for shared mobility (2020)	Yes
Autonomous vehicles in operation or in preparation (2020)	7
Autonomous vehicles strategies (2020)	✓

## Fuel Economy

Emission standards for LDVs (2018)	Euro 6
CO <sub>2</sub> emissions performance for LDVs (2017)	137 gCO <sub>2</sub> /km
Emission standards for HDVs (2018)	Euro VI
Targeted CO <sub>2</sub> emissions performance	Not available

## Electric Mobility

Electric vehicles (2019)	259 200
Market share of electric vehicles (2019)	2.8%
No. of cities with electric buses (2019)	2
ICE phase-out targets	2030

## Renewable Energy

Biofuel blend mandate (2019)	Overall 7.3%
Renewable energy (biofuels and electricity) share in transport (2018)	4.1%
Targeted % of renewable energy	Not available

## Aviation

Air passengers carried (2019)	142.4 million people
Air freight activity (2019)	5851.2 million ton-km
Carbon-accredited airports (2020)	16 airports
<i>of which carbon neutral</i>	6 airports

## Shipping

Liner shipping connectivity index (2019)	84.9
Container port traffic (2019)	10 276 500 TEU

## COVID-19

Traditional transport infrastructure investment	USD 140 billion
Clean transport infrastructure investment	USD 23.9 billion

<b>Examples</b>	<ul style="list-style-type: none"> <li>• Local transport settlements</li> <li>• EV charging network investment</li> <li>• Tube support</li> <li>• Cycling and walking package</li> <li>• Buses and trams safety and services fund</li> <li>• Bus route funding</li> <li>• Transport network support</li> <li>• Transforming Cities Fund</li> <li>• Zero emissions buses</li> <li>• Electric vehicles charge points</li> </ul>
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This fact sheet is part of the SLOCAT Transport and Climate Change Global Status Report - 2nd edition.

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### List of acronyms

<b>GDP</b>	Gross-domestic product
<b>HDV</b>	Heavy-duty vehicle
<b>ICE</b>	Internal combustion engine
<b>LDV</b>	Light-duty vehicle
<b>LRT</b>	Light-rail transit
<b>NDC</b>	Nationally determined contribution
<b>TEU</b>	Twenty-foot Equivalent Unit
<b>UNFCCC</b>	United Nations Framework Convention on Climate Change
<b>VNR</b>	Voluntary national review of the Sustainable Development Goals
<b>WLTP</b>	Worldwide harmonised light vehicles test procedure