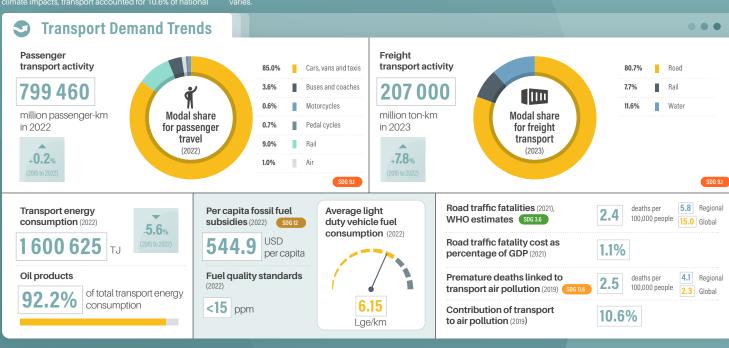
LOCAT

<u>United Kingdom</u>

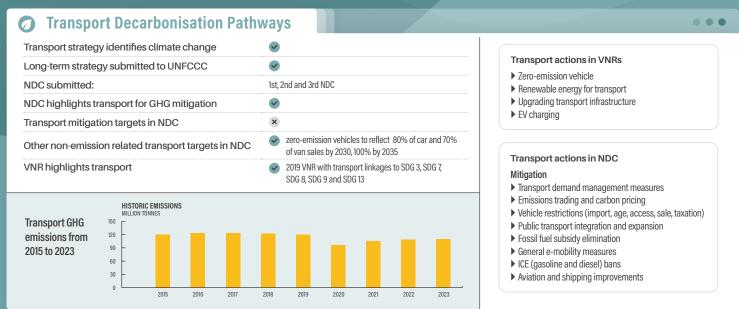
The **United Kingdom (UK)** has made progress towards sustainable, zero-emission transport, but challenges remain. Passenger travel activity has stagnated since 2015, while freight transport has increased. Cars dominate passenger transport, with buses and rail losing modal share. Transport remains the country's largest GHG-emitting sector, accounting for 28.93% of total emissions, despite a decline of 8.71% since 2015. Renewable energy, including biofuels and electricity, accounted for 7.6% of the UK's transport energy consumption, whereas the carbon intensity of its electricity is moderate, at 228.3 $\mathrm{gCO}_x/\mathrm{kWh}$ in 2023. Beyond climate impacts, transport accounted for 10.6% of national

air pollutant emissions in 2019. Transport-induced air pollution, in turn, caused 2.48 premature deaths per 100,000 people in the UK in 2019. Road traffic crashes claimed 2.4 lives per 100,000 people and accounted for 1.10% of the country's GDP in 2021. In 2020, an impressive 95.55% of the UK population had convenient access to public transport. Policies support zero-emission vehicles, urban mobility, and rail electrification, with an ICE phase-out target set for 2035. However, reliance on oil remains high, and fossil fuel subsidies persist. Investments in public transport, walking, and cycling aim to shift travel behaviour, though uptake varies.

\$	Income group: High-income	
•	Human Development Index (2023): 0.95	
±11	Population size (2023): 65.64 million	+5.10% (2015 - 2023)
.4	Urban population share (2023): 84.60%	+7.15% (2015 - 2023)
di	GDP per capita (2023): 46 941.33 USD	+4.41% (2015 - 2023)
D	Share of transport and storage jobs in workforce (2	2023) 9.1%
Q	Share of women employed in transport and storag	e (2023) 23.4%









Policy Areas: Indicators and Targets



Integrated Transport Planning National urban mobility framework (2024) V Sustainable urban mobility plans (2024) V Number of sustainable urban mobility plans (2024) Low emission zones (2024) 17 cities Adaptation and Resilience ND-GAIN Index (2022) 70,30 Vulnerability score for infrastructure (2022) 0.22

T	VV	al	Κi	n	9

Walkability Score (2024) 0.81 National walking strategies (2024)



- ▶ Increase the percentage of short journeys in towns and cities that are walked or cycled from 41% in 2018
- Increase walking activity, where walking activity is measured as the total number of walking stages per person per year, to 365 stages per person per year in 2025
- ▶ Increase the percentage of children aged 5 to 10 who usually walk to school from 49% in 2014 to 55% in

Cycling

Cycling infrastructure in capital (2022)	400 km
Percent near protected bikeways (2024)	28%
Bike sharing systems (2024)	49
National cycling strategies (2024)	✓
∅ Target	



▶ Double cycling from 0.8 billion stages in 2013 to 1.6 billion stages in 2025

Public Transport

Bus rapid transit (2024)	135 km of total length in 7 cities
Bus rapid transit daily passenger volume (2024)	101 559 passengers per day
Urban rail (LRT, metro, tram) (2024)	818 km in 10 cities
Proportion of population that has convenient access to public transport (2020) (SD61).2	95.55%

Intercity Rail

THE INTESTORY HERE	
Rail network (2021)	16178.56 km
Rail travel activity (2020)	24188.47 million passenger-km
Rail freight activity (2020)	15 212.12 million ton-km
High-speed rail (2022)	113 km
High-speed rail travel activity (2022)	3 435.8 million passenger-km
National plans for passenger and freight rail expansion (2024)	•



- ▶ To invest GBP 96 billion for rail construction and upgrades
- ▶ To electrify 75% of all rail lines, allowing to remove diesel-only trains from the network by 2040

This fact sheet is part of the SLOCAT Transport, Climate and Sustainability Global Status Report – 4^{th} Edition. The country fact sheets have been made possible thanks to financial support from the ClimateWorks Foundation. Information presented in this fact sheet is based on desk research and may not be complete or reflect the most recent status. Data has been collected to the best of our knowledge and availability. Where no information could be retrieved, the indicators are shown in grey. The content does not represent the views of the SLOCAT Partnership on Sustainable, Low Carbon Transport or the ClimateWorks Foundation. For more information, please visit **gsr4.slocat.net**.

List of acronyms

List of acronyms
GPP Gross-domestic product
HDV Heavy-duty vehicle
ICE Internal combustion engine
KWh Klowath-bour
LDV Light-duty vehicle
LRT Light-rall branst
NDC Nationally determined contribution
PST Primary, secondary or tertiary roads

Twenty-foot Equivalent Unit TEU Inverty-lock Equivalent Unit Funds Makins Environment Programme UNFCCC United Nations Framework Convention on Climate Change

VNR Voluntary national review of the Sustainable Developiment Goals

WLTP Worldwide harmonised light vehicles test.

Electric vehicles stock for vans (2024)

Electric vehicles stock for trucks (2024)

ICE phase-out targets

procedure

Road Transport		
Total road vehicles in use per 1,000 people (2020)	630.2	
Road vehicle fleet growth (from 2015 to 2020)	10.95%	
Rural Access Index (2019) SDG 91		
Diesel prices (2022)	1.67 USD per litre	
Gasoline prices (2022)	1.88 USD per litre	
→ Aviation		
Air passengers carried (2021)	26.6 million people	
Air freight activity (2021)	4097.1 million ton-km	
Carbon-accredited airports (2023)	24 airports	
of which carbon neutral:	8 airports	
a Shipping		
Logistics Performance Index (2023)	3.7	
Liner shipping connectivity index (Q4 2024)	90.0	
Container port traffic (2020)	8 692 260.0 TEU	
Transport Energy Sources		
Biofuel blend overall mandate (2023)	10.1%	
Biofuel blend biodiesel mandate (2023)	7.0%	
Biofuel blend ethanol mandate (2023)	10.0%	
Carbon intensity of electricity (2023)	228.25 gCO ₂ /kWh	
Renewable energy (biofuels and electricity) share in transport (2022) SDG 7.21	7.6% of total transport energy consumption	
Biofuels (2022)	5.7% of total transport energy consumption	
Electricity (2022)	1.9% of total transport energy consumption	
Targeted renewable power share	100%	
Vehicle Technologies		
Emission standards for LDVs (2024)	Euro 4 and above	
CO ₂ emissions performance for passenger cars (2024)	90 g CO ₂ /km in 2023	
Targeted CO ₂ emissions performance (2024)	22 g CO ₂ /km by 2030	
Regulatory environment ranking on used vehicles (2024)		
Electric vehicles stock for passenger cars (2024)	1400 000 vehicles	
Share of electric vehicles in car sales (2024)	28%	



(2035)

89 000 vehicles

4300 vehicles



Supported by: Drive Electric