

# Mexico

**Mexico's** transport sector remains heavily reliant on road-based travel, with private automobiles accounting for nearly all half of urban passenger trips in Mexico City (43.4%). Road freight accounted for almost 75% of the country's freight transport activity in 2023. While passenger and freight activity grew by 6.19% and 8.89% respectively since 2015, transport emissions declined by 13.5%. Transport remains the second-largest GHG-emitting sector, contributing 18.6% of national emissions. Renewable energy, including biofuels and electricity, accounted for only 0.3% of Mexico's transport energy consumption and the carbon intensity of its electricity remains high, at 492.3 gCO<sub>2</sub>/kWh in 2023.

Beyond climate impacts, transport is a significant contributor to air pollution, accounting for 12.8% of national air pollutant emissions in 2019. Transport-induced air pollution caused 3.74 premature deaths per 100,000 people in Mexico in 2019. The country recorded 12.4 road traffic fatalities per 100,000 people in 2021 and accounted for 3.80% of the country's GDP in the same year. Policies focus on e-mobility, public transport, and rail freight expansion. However, electric vehicle adoption remains low, with just 1.3% of new car sales in 2023 being electric. Mexico has a national urban mobility framework and low-emission zones, but active transport infrastructure, such as cycling networks, remains limited.

<b>Income group:</b> Middle-income	
<b>Human Development Index (2023):</b> 0.79	
<b>Population size (2023):</b> 121.68 million	<b>+7.2%</b> (2015 - 2023)
<b>Urban population share (2023):</b> 87.4%	<b>+13.1%</b> (2015 - 2023)
<b>GDP per capita (2023):</b> 10 269.75 USD	<b>+2.0%</b> (2015 - 2023)
<b>Share of transport and storage jobs in workforce (2023)</b>	<b>5.6%</b>
<b>Share of women employed in transport and storage (2023)</b>	<b>14.9%</b>

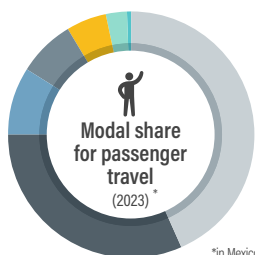
## Transport Demand Trends

### Passenger transport activity

**541 452**

million passenger-km in 2023

**+6.2%**  
(2015 to 2023)



43.4%	Automobile
31.7%	Walking
9.0%	Subway
7.3%	Bus
5.5%	Motorcycle
2.7%	Cycling
0.4%	Rail

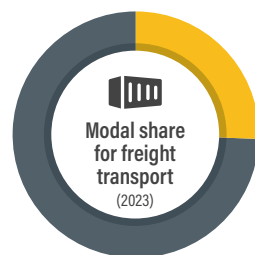
SDG 91

### Freight transport activity

**356 982**

million ton-km in 2023

**+8.9%**  
(2015 to 2023)



SDG 91

### Transport energy consumption (2022)

**1 862 004** TJ

**-13.0%**  
(2015 to 2022)

#### Oil products

**99.7%** of total transport energy consumption

### Per capita fossil fuel subsidies (2022)

**481.1** USD per capita

SDG 12

### Fuel quality standards (2022)

**50-500** ppm

### Average light duty vehicle fuel consumption (2022)



### Road traffic fatalities (2021), WHO estimates

SDG 3.6

**12.4**

deaths per 100,000 people

**14.6** Regional  
**15.0** Global

### Road traffic fatality cost as percentage of GDP (2021)

**0.04**

### Premature deaths linked to transport air pollution (2019)

SDG 11.6

**3.7**

deaths per 100,000 people

**1.7** Regional  
**2.3** Global

### Contribution of transport to air pollution (2019)

**12.8%**

## Transport Emission Trends

### Transport GHG emissions (2023)

**132.2**

million tonnes of CO<sub>2</sub> equivalent

**-13.5%**  
(2015 to 2023)

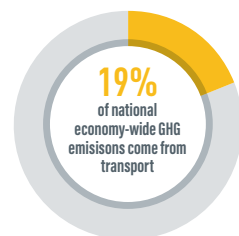
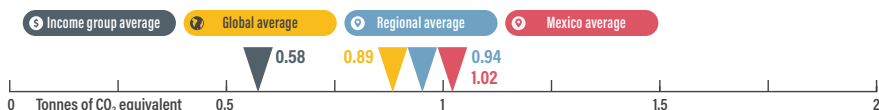
**+1.69%**  
(2022 to 2023)

### Per capita transport GHG emissions (2023)

**1.02**

tonnes of CO<sub>2</sub> equivalent per capita

#### PER CAPITA EMISSION COMPARISON



Transport is the **second-largest** GHG-emitting sector in the country in 2023.

## Transport Decarbonisation 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



VNR highlights transport

2024 VNR with no transport linkages

### Transport actions in NDC

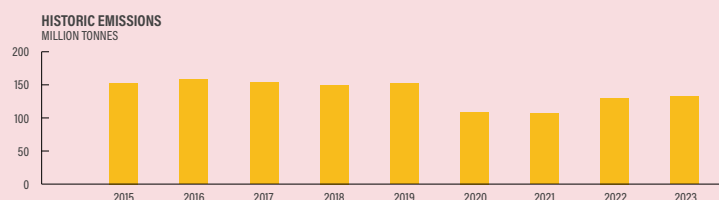
#### Mitigation

- ▶ General e-mobility
- ▶ Public transport improvements
- ▶ Infrastructure improvements
- ▶ Alternative fuels
- ▶ Teleworking
- ▶ Sustainable Urban Mobility Plans
- ▶ Vehicle efficiency improvements

#### Adaptation

- ▶ Transport Planning
- ▶ System resilience

### Transport GHG emissions from 2015 to 2023



## Policy Areas: Indicators and Targets

### Integrated Transport Planning

National urban mobility framework (2024)	✓
Sustainable urban mobility plans (2024)	✓
Number of sustainable urban mobility plans (2022)	1 city, 1 ongoing
Low emission zones (2022)	✓ Similar

### Adaptation and Resilience

ND-GAIN Index (2022)	49.63
Vulnerability score for infrastructure (2022)	0.19

### Walking

Walkability Score (2024)	0.46
National walking strategies (2024)	✓

### Cycling

Cycling infrastructure in capital (2022)	380.7 km
Percent near protected bikeways (2024)	6%
Bike sharing systems (2024)	11
National cycling strategies (2024)	✗

### Public Transport

Bus rapid transit (2024)	458 km of total length in 12 cities
Bus rapid transit daily passenger volume (2024)	2 881 050 passengers per day
Urban rail (LRT, metro, tram) (2024)	313 km in 3 cities
Proportion of population that has convenient access to public transport (2020)	36.28 % <span>SDG 11.2</span>

### Intercity Rail

Rail network	—
Rail travel activity (2021)	466 million passenger-km
Rail freight activity (2021)	92 437 million ton-km
High-speed rail (2021)	—
High-speed rail travel activity (2021)	—
National plans for passenger and freight rail expansion (2024)	✓

#### Target

- ▶ Reduce urban congestion and air pollution.
- ▶ Rail to grow from 26.4% to 40% of land freight activity
- ▶ Achieve a decarbonised rail system

### Road Transport

Total road vehicles in use per 1,000 people (2020)	356.8
Road vehicle fleet growth (from 2015 to 2020)	20.70%
Rural Access Index (2019)	<span>SDG 9.1</span> 74.7 RAI PST
Diesel prices (2022)	0.92 USD per litre
Gasoline prices (2022)	0.99 USD per litre

### Aviation

Air passengers carried (2021)	54.2 million people
Air freight activity (2021)	962.6 million ton-km
Carbon-accredited airports (2023)	44 airports
of which carbon neutral:	none

### Shipping

Logistics Performance Index (2023)	2.9
Liner shipping connectivity index (Q4 2024)	473
Container port traffic (2020)	6 385 629.0 TEU

### Transport Energy Sources

Biofuel blend overall mandate (2023)	—
Biofuel blend biodiesel mandate (2023)	—
Biofuel blend ethanol mandate (2023)	5.8%
Carbon intensity of electricity (2023)	492.34 gCO <sub>2</sub> /kWh
Renewable energy (biofuels and electricity) share in transport (2022)	0.3% of total transport energy consumption <span>SDG 7.2.1</span>
Biofuels (2022)	—
Electricity (2022)	0.3% of total transport energy consumption
Targeted renewable power share	35%

### Vehicle Technologies

Emission standards for LDVs (2024)	Euro 4 and above
CO <sub>2</sub> emissions performance for passenger cars (2024)	145 g CO <sub>2</sub> /km in 2015
Targeted CO <sub>2</sub> emissions performance (2024)	87 g CO <sub>2</sub> /km by 2027
Regulatory environment ranking on used vehicles (2024)	Good
Electric vehicles stock for passenger cars (2023)	45 000 vehicles
Share of electric vehicles in car sales (2023)	2.2 %
ICE phase-out targets	✗
Electric vehicles stock for vans (2023)	—
Electric vehicles stock for trucks (2023)	—

This fact sheet is part of the SLOCAT Transport, Climate and Sustainability Global Status Report - 4<sup>th</sup> 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](https://gsr4.slocat.net).

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#### List of acronyms

GDP	Gross-domestic product
HDV	Heavy-duty vehicle
ICE	Internal combustion engine
kWh	Kilowatt-hour
LDV	Light-duty vehicle
LRT	Light-rail transit
NDC	Nationally determined contribution
PST	Primary, secondary or tertiary roads

TEU	Twenty-foot Equivalent Unit
UNEP	United Nations Environment Programme
UNFCCC	United Nations Framework Convention on Climate Change
VNR	Voluntary national review of the Sustainable Development Goals
WLTP	Worldwide harmonised light vehicles test procedure

