

# Iran



Transport is only the fourth-largest CO<sub>2</sub>-emitting sector in Iran, but the per capita levels are above the regional average for Asia. Energy sources are based on fossil fuels.

No specific transport strategies have been identified for Iran, but the country has plans to expand railways and build high-speed rail. Tehran is working on improving the quality of life of residents by reducing air pollution and increasing cycling and walking.

Income group: Middle-income  
Human Development Index: 0.78

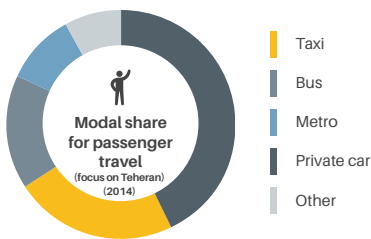
	Population size (2020)	Urban population share (2020)	GDP per capita (2019)
<b>Total</b>	84 million	75.5%	5 922.5
<b>Growth</b> <small>(2010 to 2020)</small>	13.9%	20.4%	-10.3%

## Mobility Demand Trends

### Passenger travel activity

13 272

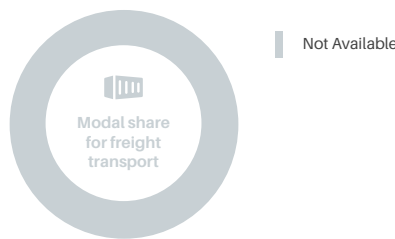
million passenger-km in 2018  
-24.5% (2010 to 2018)



### Freight transport activity

30 299

million ton-km in 2018  
+ 39% (2010 to 2018)



### Fuel consumption (2018)

48 100

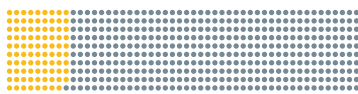
thousand tonnes of oil equivalent  
+20% (2010 to 2018)

Average light duty fuel economy consumption (2017)  
Not available



### Car ownership growth (2005 to 2015)

178 vehicles per 1,000 people



+ 45%

### Vehicle sales (2019)

**Passenger** (Growth 2010 to 2019)  
619 028 **-32.2%**  
**Commercial**  
36 487 **-22.5%**

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

7

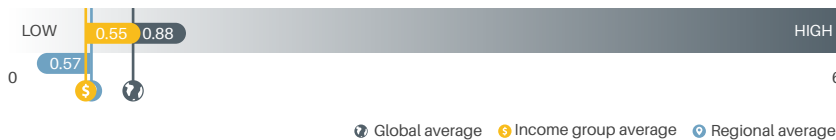
**Super gasoline**  
US cents per litre (2018)

29

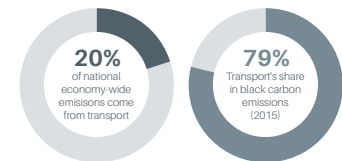
## Transport Emission Trends

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

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

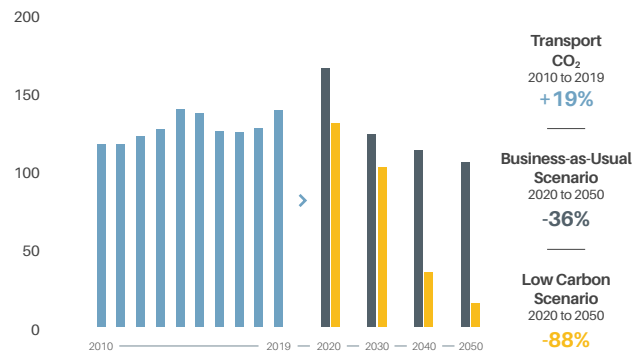


### Fourth-largest CO<sub>2</sub> producing sector in the country



## Low Carbon Transport Pathways

Transport strategy identifies climate change	Not available
Long-term strategy submitted to UNFCCC	Not submitted
NDC submitted	Not submitted
NDC highlights transport for GHG mitigation	✗
Transport mitigation targets in NDC	✗
Other non-emission related transport targets in NDC	Not submitted
Voluntary National Review highlights transport	✗ 2017 VNR with no transport linkages



### Transport measures in NDC

Mitigation • Not available

Adaptation • Not available

Sustainable Mobility Planning & Transport Demand Management	
National Urban Mobility Framework (2020)	Not available
Sustainable Urban Mobility Plans (2020)	Not available
Low Emission Zones (2020)	Not available

Walking and Cycling	
National walking and cycling strategies (2020)	Not identified on national level but strong ambitions in Teheran
Cycling infrastructure in capital (2020)	550 km of separated bikelanes by 2040

Urban Passenger and Freight Transport	
Bus rapid transit (2020)	165 km in 3 cities
Urban rail (LRT, metro, tram) (2020)	134 km in 5 cities
Bus rapid transit daily passenger volume (2020)	2 135 000
Rapid Transit to Resident Ratio (2019)	9.4

Passenger and Freight Railways	
Rail network (2018)	9 146 km
High-speed rail (2018)	Not available
High-speed rail travel activity (2018)	Not available
National plans for passenger and freight rail expansion	✓
<b>Targets</b>	<ul style="list-style-type: none"> <li>By 2025, 5000 km railway network with approximately 6000 km double-tracked,</li> <li>Total capacity for passenger transport to be increased to 160 million,</li> <li>Carrying 220 million tons of cargo,</li> <li>Railway market share in cargo transport to be 30% and 18% for passenger transport</li> </ul>
Rail travel activity (2018)	15 239 million passenger-km
Rail freight activity (2016)	34 859 million ton-km

Shared Mobility Services	
Bike-sharing systems (2020)	Not available
Electric scooter services (2020)	Not available
Carsharing services (2021)	Not available
National legal frameworks for shared mobility (2020)	Not available
Autonomous vehicles in operation or in preparation (2020)	Not available
Autonomous vehicles strategies (2020)	Not available

Fuel Economy	
Emission standards for LDVs (2018)	Euro 2
CO2 emissions performance for LDVs (2017)	Not available
Emission standards for HDVs (2018)	Not available
Targeted CO <sub>2</sub> emissions performance	Not available

Electric Mobility	
Electric vehicles (2019)	Not available
Market share of electric vehicles (2019)	Not available
No. of cities with electric buses (2019)	Not available
ICE phase-out targets	✗

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

Aviation	
Air passengers carried (2019)	21.6 million people
Air freight activity (2019)	152.3 million ton-km
Carbon-accredited airports (2020)	✗
<i>of which carbon neutral</i>	✗

Shipping	
Liner shipping connectivity index (2019)	19.8
Container port traffic (2019)	15 169 000 TEU

COVID-19	
Traditional transport infrastructure investment	Not available
Clean transport infrastructure investment	Not available

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