

2018

11

Mobility and
transport

Neuchâtel 2018

Mobility and Transport

Pocket Statistics 2018



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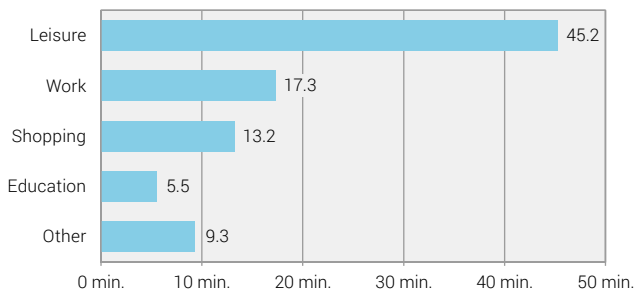
Swiss Confederation

Federal Department of Home Affairs FDHA
Federal Statistical Office FSO

The Swiss population spends 90 minutes in transport every day



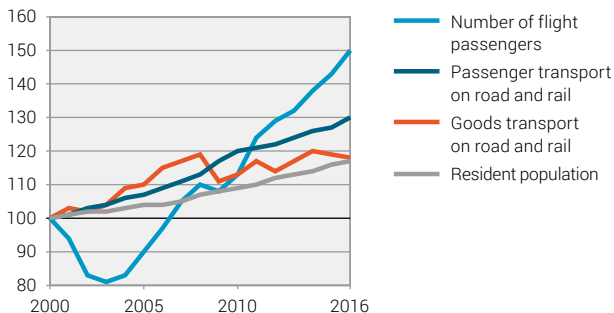
This includes 8 minutes of waiting and transfer time.
Leisure is by far the main trip purpose.



Note: status in 2015, only distances in Switzerland, base = resident population aged 6 or over

Transport is growing faster than the population

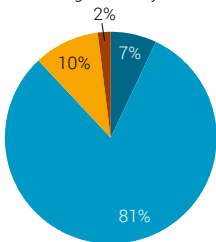
Evolution index, 2000=100



Note: base passenger transport = person-km, base goods transport = tonne-km

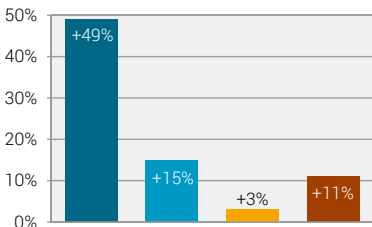
Transport infrastructure covers an area the size of the canton of Thurgau

Transportation area
according to survey 2004/09



Total: 952 km²

Increase
since survey 1979/85



Length of roads and rails

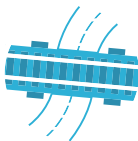
National highways	1 840 km	2016
Cantonal roads	17 854 km	2016
Railway network	5 177 km	2015

Number of public transport stations and stops

Railway	1 735	2015
Bus and tram	21 846	2015

Number of airports

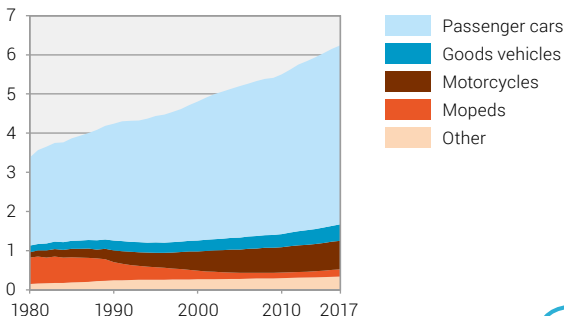
National airports	3	2016
Regional airports	11	2016
Airfields	44	2016



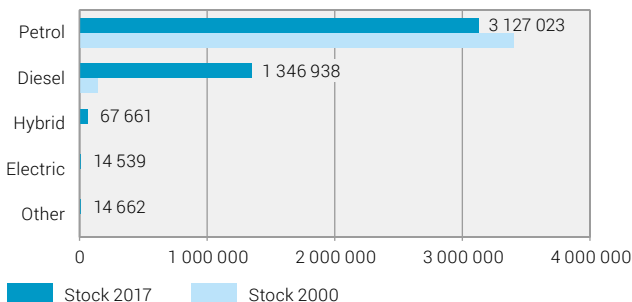
There are more than 6 million motor vehicles on Swiss roads

4.6 million of these are cars – twice as many as there were in 1980. 65% of households have a bicycle, 7% an e-bike (in 2015).

Million motor vehicles

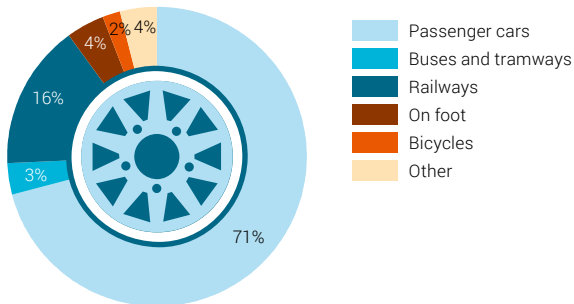


Passenger cars: Diesel cars have gained ground, but petrol cars still remain in the majority



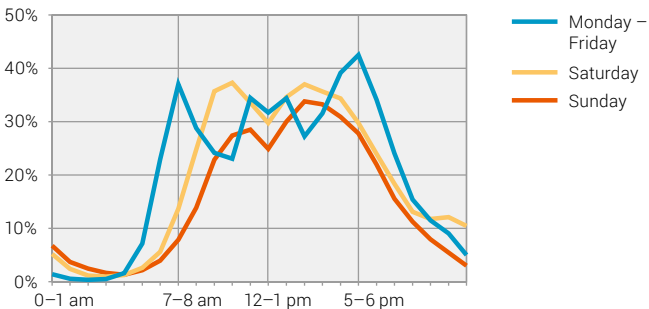
Cars dominate passenger transport

Shares of means of transport in the person-kilometres covered
(by road and rail 2016)



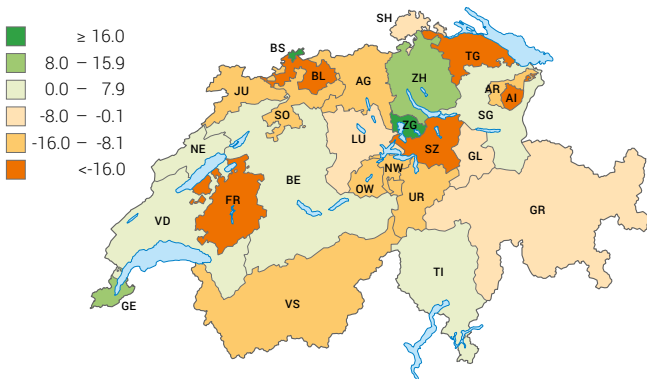
Transport reaches its peak during the week between 5 and 6 pm

Share of the population on the move; in Switzerland



Basel-Stadt and Zug are particularly attractive to commuters

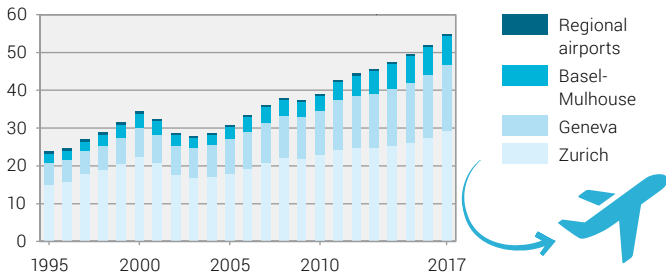
Relative commuter balance of cantons, 2016 (inbound commuters minus outbound commuters, as a % of commuters resident in the canton)



Note: excluding cross-border commuters heading/from abroad

Passenger numbers in air transport continue to increase

Millions of arriving and departing passengers

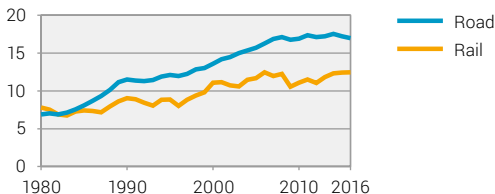


Goods transport has almost doubled since 1980

61% of transport performance is by road, 39% by rail.

Domestic transport dominates road transport (63% of tonne-kilometres), and transit trips dominate rail transport (64%).

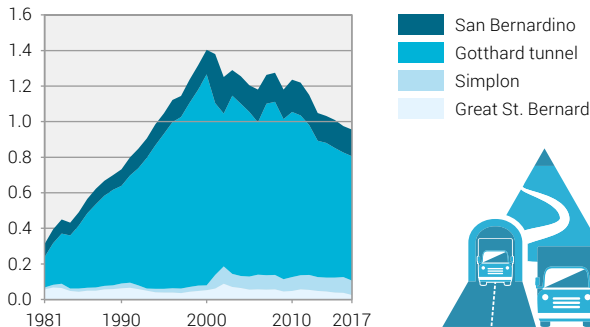
Billion tonne-kilometres



Since 2001, fewer and fewer lorries have travelled through the Swiss Alps

Number of transalpine trips by heavy goods vehicles

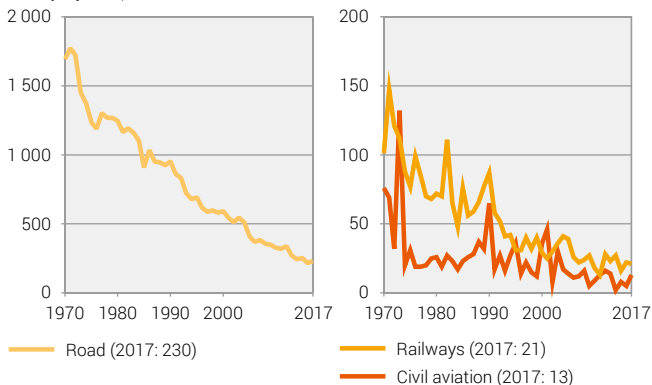
Million





The number of deaths in traffic has fallen considerably



Fatally injured persons



Mobility is responsible for a third of energy consumption and CO₂ emissions

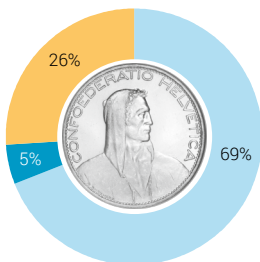
Energy consumption by transport, 2016		308 petajoules
Increase since 2000		+2%
Share in the total energy consumption		36%
CO ₂ emissions from transport, 2016		15.0 m tonnes
Decrease since 2000		-4%
Share in the total emissions		38%
Persons affected by noise from roads, 2010		21%

Note: CO₂ emissions without international civil aviation;
noise from roads during the day, measured against the thresholds of
the noise abatement ordinance

In 2014, costs for road and rail transport totalled CHF 86 billion

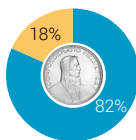
Road transport

Total cost: CHF 75.0 billion



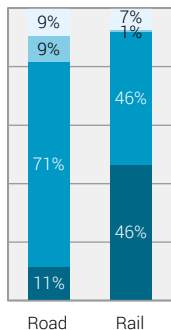
Rail transport

Total cost: CHF 10.5 billion



- Private passenger transport
- Public passenger transport
- Goods transport

Transport users do not bear all costs themselves

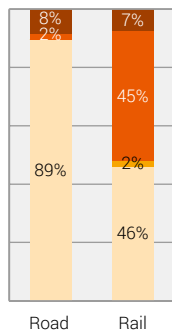


How the costs are generated...

- Environment and health
- Accidents
- Means of transport
- Infrastructure

...and by whom they're borne

- General public
- Public sector
- Transport companies
- Transport users



Note: road transport without pedestrian traffic and bicycles

Sources: FSO – AREA, GTS, CFT, TP, PEND, PV-L, STATPOP; FSO, ARE – MTMC; FEDRO, FSO – MFZ, SVU; FSO, FOCA – AVIA_LC, AVIA_ZL; FEDRO – Length of Swiss motorway network; FOEN – GIS Noise database of Switzerland sonBase, Greenhouse gas inventory; FOT – New occurrence database; FOT, FEDRO – Transalpine goods transport; SFOE – Overall energy statistics; STSB – Aviation accident statistics

Further information: www.statistics.admin.ch → Look for statistics →
11 – Mobility and transport

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