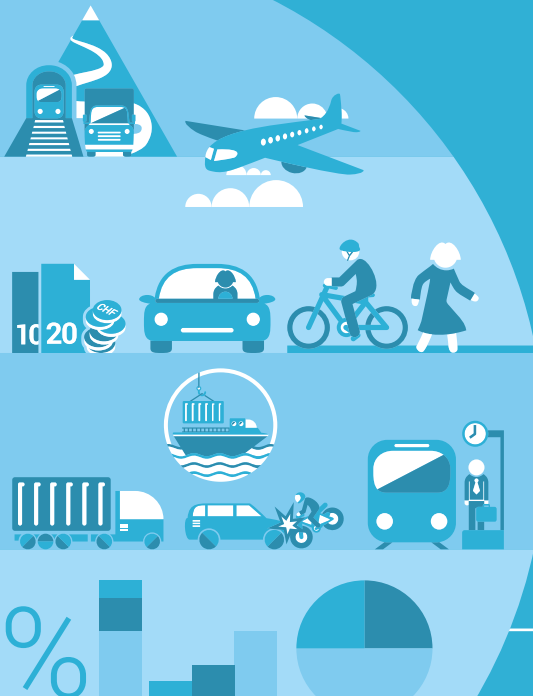


# 2018



11

Mobility and  
transport

Neuchâtel 2018

## Mobility and Transport

Pocket Statistics 2018



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

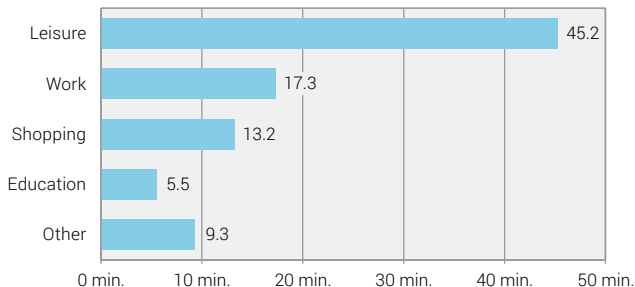
Swiss Confederation

Federal Department of Home Affairs FDHA  
Federal Statistical Office FSO

## The Swiss population spends 90 minutes in transport every day



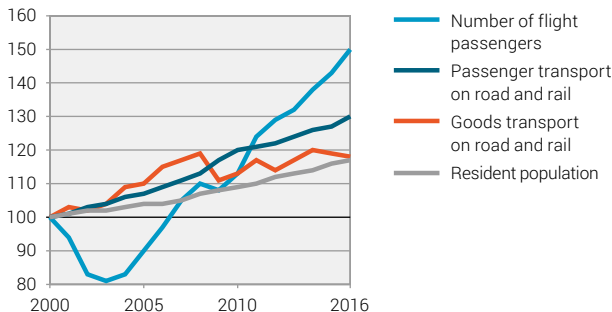
This includes 8 minutes of waiting and transfer time.  
Leisure is by far the main trip purpose.



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

## Transport is growing faster than the population

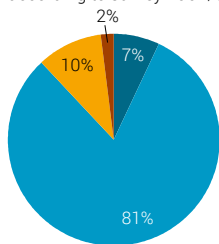
Evolution index, 2000=100



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

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

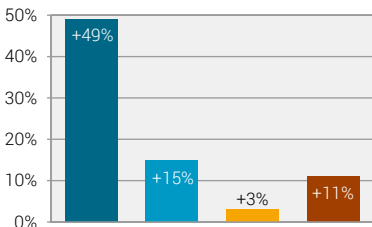
**Transportation area**  
according to survey 2004/09



Total: 952 km<sup>2</sup>



**Increase**  
since survey 1979/85



## Length of roads and rails

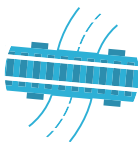
National highways	1 840 km	2016
Cantonal roads	17 854 km	2016
Railway network	5 177 km	2015

## Number of public transport stations and stops

Railway	1 735	2015
Bus and tram	21 846	2015

## Number of airports

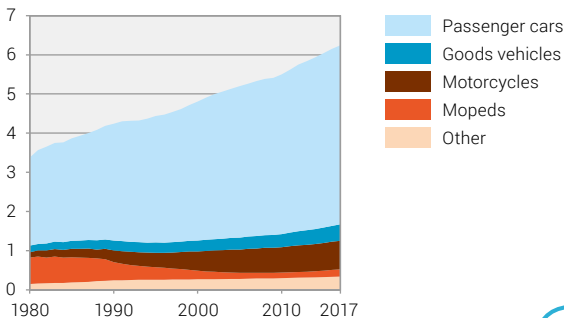
National airports	3	2016
Regional airports	11	2016
Airfields	44	2016



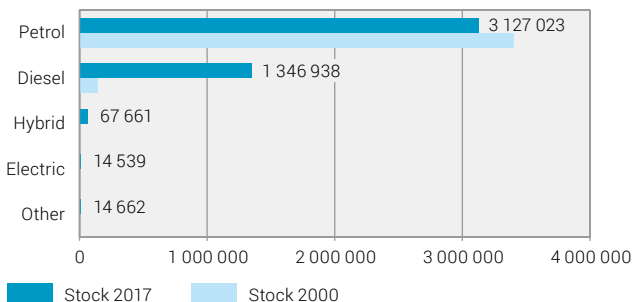
## There are more than 6 million motor vehicles on Swiss roads

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

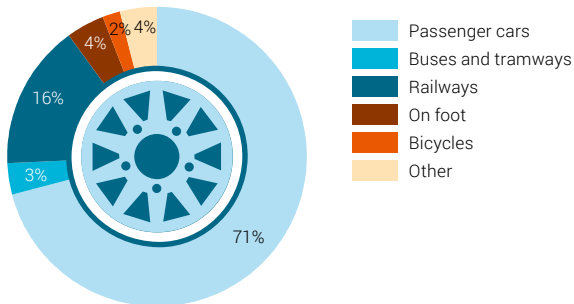


### Passenger cars: Diesel cars have gained ground, but petrol cars still remain in the majority



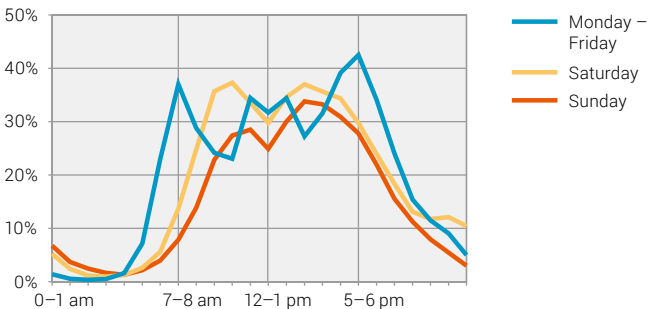
## Cars dominate passenger transport

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



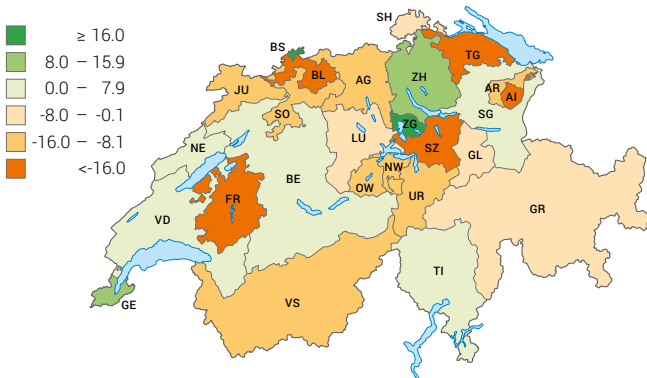
## Transport reaches its peak during the week between 5 and 6 pm

Share of the population on the move; in Switzerland



## Basel-Stadt and Zug are particularly attractive to commuters

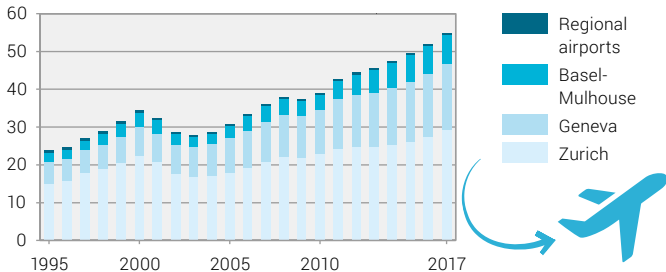
Relative commuter balance of cantons, 2016 (inbound commuters minus outbound commuters, as a % of commuters resident in the canton)



Note: excluding cross-border commuters heading/from abroad

## Passenger numbers in air transport continue to increase

Millions of arriving and departing passengers

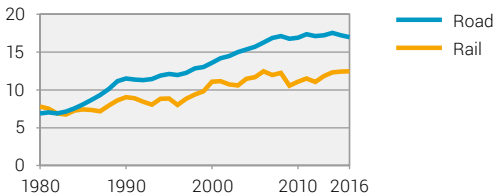


## Goods transport has almost doubled since 1980

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%).

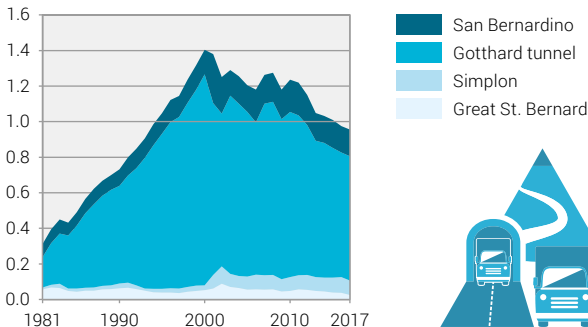
Billion tonne-kilometres



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

Number of transalpine trips by heavy goods vehicles

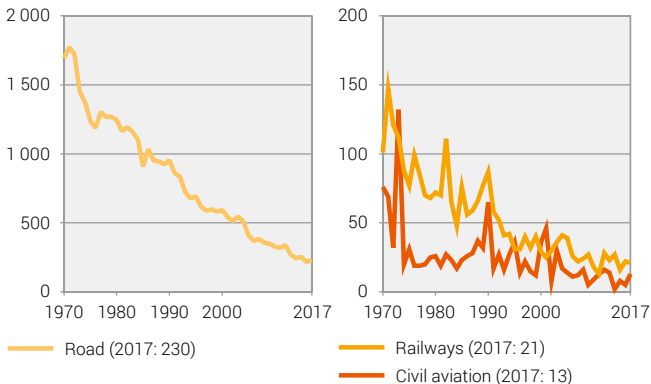
Million





## The number of deaths in traffic has fallen considerably



Fatally injured persons



## Mobility is responsible for a third of energy consumption and CO<sub>2</sub> emissions

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

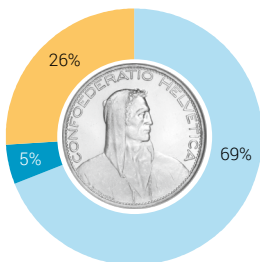
Note: CO<sub>2</sub> emissions without international civil aviation;  
noise from roads during the day, measured against the thresholds of  
the noise abatement ordinance



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

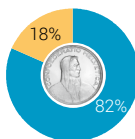
### Road transport

Total cost: CHF 75.0 billion



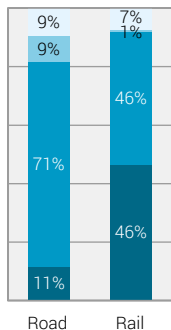
### Rail transport

Total cost: CHF 10.5 billion



- Private passenger transport
- Public passenger transport
- Goods transport

## Transport users do not bear all costs themselves

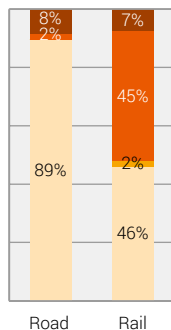


### How the costs are generated...

- 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](http://www.statistics.admin.ch) → Look for statistics → 11 – Mobility and transport

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