Amsterdam

Population: 1,059,873 inhabitants
Area: 216 km²
Density: 4,907 inh/km²
Weighted density: 9,591 inh/km²
Median block size: 6,386 m²
Average slope: 0.92 degrees

Access to public transport

| Population with public transport stop within 500 m walking (SDG 11.2.1) | 92.9% of total pop. |
| Population with high or very high frequency of departures nearby | 75.7% of total pop. |
| Median number of departures an hour nearby | 22.6 dep./hour |

Public transport performance

| Population accessible within 30 min / population within 7.5 km x 100 | 27.8 |
| Population accessible within 45 min / population within 11.25 km x 100 | 52.1 |
| Average straight-line speed of vehicle trips between 6:00 and 20:00 | 21.3 km/h |
| Vehicle km travelled per inhabitant, between 6:00 and 20:00 | 10.8 km/1000 inh. |

Straight-line speed of vehicle trips by mode

<table>
<thead>
<tr>
<th>km/h</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>19.7</td>
<td>17.8</td>
<td>57.6</td>
<td>41.1</td>
<td>7.2</td>
</tr>
</tbody>
</table>

Vehicle km travelled by mode, between 6:00 and 20:00

<table>
<thead>
<tr>
<th>% of total vkm</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>61.0%</td>
<td>19.0%</td>
<td>6.0%</td>
<td>13.5%</td>
<td>0.4%</td>
<td></td>
</tr>
</tbody>
</table>

Active modes performance

| Population accessible within 30 min. walking / population within 2.5 km x 100 | 53.2 |
| Population accessible within 30 min. cycling / population within 7.5 km x 100 | 59.5 |

Proximity of population

| Population within 2.5 km radius | 130,200 inhabitants |
| Population within 7.5 km radius | 581,777 inhabitants |
| Population within 11.25 km radius | 851,100 inhabitants |

Accessibility by public transport combined with walking

| Population accessible within 30 minutes | 161,911 inhabitants |
| Population accessible within 45 minutes | 443,298 inhabitants |

Walking and cycling accessibility

| Population accessible within 30 minutes walking | 69,247 inhabitants |
| Population accessible within 30 minutes cycling | 346,443 inhabitants |

* group of 42 cities for which transport performance has been analysed
Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Antwerpen

**Population** 553,789 inhabitants

**Area** 114 km²

**Density** 4,858 inh./km²

**Weighted density** 8,519 inh./km²

**Median block size** 13,487 m²

**Average slope** 1.05 degrees

**Typology of public transport service frequencies**

- **no access** 4.4%
- **low** 2.6%
- **medium** 19.8%
- **high** 66.6%
- **very high** 6.6%

**Access to public transport**

- Population with public transport stop within 500 m walking (SDG 11.2.1) 95.3% of total pop.
- Population with high or very high frequency of departures nearby 73.2% of total pop.
- Median number of departures an hour nearby 16.6 dep./hour

**Public transport performance**

- Population accessible within 30 min./ population within 7.5 km x 100 32.8
- Population accessible within 45 min./ population within 11.25 km x 100 79.1
- Average straight-line speed of vehicle trips between 6:00 and 20:00 16.4 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00 10.7 km/1000 inh.

**Active modes performance**

- Population accessible within 30 min. walking / population within 2.5 km x 100 55.5
- Population accessible within 30 min. cycling / population within 7.5 km x 100 86.8

**Proximity of population**

- Population within 2.5 km radius 115,928 inhabitants
- Population within 7.5 km radius 452,743 inhabitants
- Population within 11.25 km radius 541,990 inhabitants

**Accessibility by public transport combined with walking**

- Population accessible within 30 minutes 148,594 inhabitants
- Population accessible within 45 minutes 428,813 inhabitants

**Walking and cycling accessibility**

- Population accessible within 30 minutes walking 64,340 inhabitants
- Population accessible within 30 minutes cycling 393,037 inhabitants

*group of 42 cities for which transport performance has been analysed*

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Athina

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 97.0% of total pop.
Population with high of very high frequency of departures nearby 75.2% of total pop.
Median number of departures an hour nearby 18.0 dep./hour

Public transport performance

Population accessible within 30 min./population within 7.5 km x 100 14.7
Population accessible within 45 min./population within 11.25 km x 100 31.1
Average straight-line speed of vehicle trips between 6:00 and 20:00 12.0 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 6.0 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 54.6
Population accessible within 30 min. cycling / population within 7.5 km x 100 77.1

Proximity of population

Population within 2.5 km radius 228,378 inhabitants
Population within 7.5 km radius 1,358,348 inhabitants
Population within 11.25 km radius 2,285,964 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 200,302 inhabitants
Population accessible within 45 minutes 711,541 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 124,623 inhabitants
Population accessible within 30 minutes cycling 1,046,750 inhabitants

* group of 42 cities for which transport performance has been analysed
Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Barcelona

Population 2,460,611 inhabitants
Area 125 km²
Density 19,685 inh./km²
Weighted density 30,936 inh./km²
Median block size 5,829 m²
Average slope 4.05 degrees

Typology of public transport service frequencies

<table>
<thead>
<tr>
<th>Frequency</th>
<th>% of total pop.</th>
</tr>
</thead>
<tbody>
<tr>
<td>no access</td>
<td>0.2%</td>
</tr>
<tr>
<td>low</td>
<td>0.1%</td>
</tr>
<tr>
<td>medium</td>
<td>0.5%</td>
</tr>
<tr>
<td>high</td>
<td>6.8%</td>
</tr>
<tr>
<td>very high</td>
<td>92.6%</td>
</tr>
</tbody>
</table>

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 99.7% of total pop.
Population with high of very high frequency of departures nearby 99.4% of total pop.
Median number of departures an hour nearby 75.6 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 31.1
Population accessible within 45 min./ population within 11.25 km x 100 76.2
Average straight-line speed of vehicle trips between 6:00 and 20:00 11.4 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 11.0 km/1000 inh.

Straight-line speed of vehicle trips by mode

<table>
<thead>
<tr>
<th>km/h</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.7</td>
<td></td>
<td></td>
<td>21.9</td>
<td>28.1</td>
<td>22.5</td>
</tr>
</tbody>
</table>

Vehicle km travelled by mode, between 6:00 and 20:00

<table>
<thead>
<tr>
<th>mode</th>
<th>% of total vkm</th>
</tr>
</thead>
<tbody>
<tr>
<td>bus</td>
<td>88.3%</td>
</tr>
<tr>
<td>tram</td>
<td>1.4%</td>
</tr>
<tr>
<td>metro</td>
<td>5.5%</td>
</tr>
<tr>
<td>train</td>
<td>4.7%</td>
</tr>
<tr>
<td>others</td>
<td>0.0%</td>
</tr>
</tbody>
</table>

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 58.7
Population accessible within 30 min. cycling / population within 7.5 km x 100 87.6

Proximity of population

Population within 2.5 km radius 437,391 inhabitants
Population within 7.5 km radius 1,685,194 inhabitants
Population within 11.25 km radius 2,169,638 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 524,703 inhabitants
Population accessible within 45 minutes 1,652,805 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 256,534 inhabitants
Population accessible within 30 minutes cycling 1,476,308 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Berlin

Access to public transport

| Population with public transport stop within 500 m walking (SDG 11.2.1) | 92.9% of total pop. |
| Population with high of very high frequency of departures nearby | 89.0% of total pop. |
| Median number of departures an hour nearby | 43.4 dep./hour |

Public transport performance

| Population accessible within 30 min./ population within 7.5 km x 100 | 244 |
| Population accessible within 45 min./ population within 11.25 km x 100 | 49.7 |
| Average straight-line speed of vehicle trips between 6:00 and 20:00 | 19.9 km/h |
| Vehicle km travelled per inhabitant, between 6:00 and 20:00 | 9.0 km/1000 inh. |

### Straight-line speed of vehicle trips by mode

<table>
<thead>
<tr>
<th>km/h</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Vehicle km travelled by mode, between 6:00 and 20:00

<table>
<thead>
<tr>
<th>% of total km</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.4%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.4%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.8%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.4%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.0%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Active modes performance

| Population accessible within 30 min. walking / population within 2.5 km x 100 | 51.3 |
| Population accessible within 30 min. cycling / population within 7.5 km x 100 | 72.6 |

Proximity of population

| Population within 2.5 km radius | 139,276 inhabitants |
| Population within 7.5 km radius | 900,196 inhabitants |
| Population within 11.25 km radius | 1,670,234 inhabitants |

Accessibility by public transport combined with walking

| Population accessible within 30 minutes | 219,717 inhabitants |
| Population accessible within 45 minutes | 830,930 inhabitants |

Walking and cycling accessibility

| Population accessible within 30 minutes walking | 71,417 inhabitants |
| Population accessible within 30 minutes cycling | 653,256 inhabitants |

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Bordeaux

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 96.3% of total pop.
Population with high of very high frequency of departures nearby 72.4% of total pop.
Median number of departures an hour nearby 13.8 dep./hour

Public transport performance

Population accessible within 30 min. / population within 7.5 km x 100 20.3
Population accessible within 45 min. / population within 11.25 km x 100 61.3
Average straight-line speed of vehicle trips between 6:00 and 20:00 15.5 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 22.6 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 53.7
Population accessible within 30 min. cycling / population within 7.5 km x 100 83.1

Proximity of population

Population within 2.5 km radius 91,029 inhabitants
Population within 7.5 km radius 427,004 inhabitants
Population within 11.25 km radius 538,620 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 86,477 inhabitants
Population accessible within 45 minutes 329,914 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 48,867 inhabitants
Population accessible within 30 minutes cycling 354,858 inhabitants

* group of 42 cities for which transport performance has been analysed
Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 97.4% of total pop.
Population with high or very high frequency of departures nearby 92.1% of total pop.
Median number of departures an hour nearby 42.8 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 25.6
Population accessible within 45 min./ population within 11.25 km x 100 58.8
Average straight-line speed of vehicle trips between 6:00 and 20:00 15.0 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 17.2 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 54.5
Population accessible within 30 min. cycling / population within 7.5 km x 100 85.5

Proximity of population

Population within 2.5 km radius 194,631 inhabitants
Population within 7.5 km radius 962,870 inhabitants
Population within 11.25 km radius 1,196,500 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 246,473 inhabitants
Population accessible within 45 minutes 703,740 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 105,995 inhabitants
Population accessible within 30 minutes cycling 823,104 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Budapest

Population 1,567,722 inhabitants
Area 302 km²
Density 5,191 inh./km²
Weighted density 9,692 inh./km²
Median block size 14,236 m²
Average slope 2.17 degrees

Access to public transport
Population with public transport stop within 500 m walking (SDG 11.2.1) 96.5% of total pop.
Population with high of very high frequency of departures nearby 85.9% of total pop.
Median number of departures an hour nearby 31.2 dep./hour

Public transport performance
Population accessible within 30 min./ population within 7.5 km x 100 39.3
Population accessible within 45 min./ population within 11.25 km x 100 65.8
Average straight-line speed of vehicle trips between 6:00 and 20:00 17.6 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 15.1 km/1000 inh.

Active modes performance
Population accessible within 30 min. walking / population within 2.5 km x 100 52.9
Population accessible within 30 min. cycling / population within 7.5 km x 100 72.1

Proximity of population
Population within 2.5 km radius 130,047 inhabitants
Population within 7.5 km radius 753,371 inhabitants
Population within 11.25 km radius 1,212,065 inhabitants

Accessibility by public transport combined with walking
Population accessible within 30 minutes 295,865 inhabitants
Population accessible within 45 minutes 797,885 inhabitants

Walking and cycling accessibility
Population accessible within 30 minutes walking 68,798 inhabitants
Population accessible within 30 minutes cycling 542,962 inhabitants

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap

* group of 42 cities for which transport performance has been analysed
Cluj-Napoca

Population: 310,934 inhabitants
Area: 41 km²
Density: 7,584 inh./km²
Weighted density: 13,055 inh./km²
Median block size: 23,505 m²
Average slope: 3.37 degrees

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1): 88.2% of total pop.
Population with high or very high frequency of departures nearby: 67.9% of total pop.
Median number of departures an hour nearby: 19.7 dep./hour

Public transport performance

Population accessible within 30 min./population within 7.5 km x 100: 46.3
Population accessible within 45 min./population within 11.25 km x 100: 92.0
Average straight-line speed of vehicle trips between 6:00 and 20:00: 21.2 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00: 6.4 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100: 56.5
Population accessible within 30 min. cycling / population within 7.5 km x 100: 97.2

Proximity of population

Population within 2.5 km radius: 131,437 inhabitants
Population within 7.5 km radius: 304,359 inhabitants
Population within 11.25 km radius: 307,106 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes: 140,856 inhabitants
Population accessible within 45 minutes: 282,647 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking: 74,253 inhabitants
Population accessible within 30 minutes cycling: 295,937 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 91.9% of total pop.
Population with high of very high frequency of departures nearby 67.6% of total pop.
Median number of departures an hour nearby 14.4 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 29.6
Population accessible within 45 min./population within 11.25 km x 100 69.5
Average straight-line speed of vehicle trips between 6:00 and 20:00 17.5 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 10.7 km/1000 inh.

Straight-line speed of vehicle trips by mode

<table>
<thead>
<tr>
<th>km/h</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Vehicle km travelled by mode, between 6:00 and 20:00

<table>
<thead>
<tr>
<th>% of total km</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>47.1%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>47.5%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.1%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.2%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.0%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 54.7
Population accessible within 30 min. cycling / population within 7.5 km x 100 82.5

Proximity of population

Population within 2.5 km radius 116,018 inhabitants
Population within 7.5 km radius 498,468 inhabitants
Population within 11.25 km radius 637,093 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 147,411 inhabitants
Population accessible within 45 minutes 442,974 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 63,430 inhabitants
Population accessible within 30 minutes cycling 411,444 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Dublin

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 92.7% of total pop.
Population with high or very high frequency of departures nearby 57.1% of total pop.
Median number of departures an hour nearby 11.1 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 12.9
Population accessible within 45 min./ population within 11.25 km x 100 45.1
Average straight-line speed of vehicle trips between 6:00 and 20:00 16.3 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 37.0 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 42.9
Population accessible within 30 min. cycling / population within 7.5 km x 100 71.4

Proximity of population

Population within 2.5 km radius 88,701 inhabitants
Population within 7.5 km radius 471,282 inhabitants
Population within 11.25 km radius 773,451 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 60,590 inhabitants
Population accessible within 45 minutes 349,013 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 38,024 inhabitants
Population accessible within 30 minutes cycling 336,406 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Fürth

Population: 490,317 inhabitants
Area: 113 km²
Density: 4,359 inh./km²
Weighted density: 7,483 inh./km²
Median block size: 15,416 m²
Average slope: 1.68 degrees

Typology of public transport service frequencies
- no access: 2.9%
- low: 1.1%
- medium: 13.8%
- high: 34.6%
- very high: 47.6%

Access to public transport
- Population with public transport stop within 500 m walking (SDG 11.2.1): 94.9% of total pop.
- Population with high of very high frequency of departures nearby: 82.2% of total pop.
- Median number of departures an hour nearby: 33.4 dep./hour

Public transport performance
- Population accessible within 30 min./population within 7.5 km x 100: 31.6
- Population accessible within 45 min./population within 11.25 km x 100: 87.2
- Average straight-line speed of vehicle trips between 6:00 and 20:00: 19.8 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00: 8.9 km/1000 inh.

Active modes performance
- Population accessible within 30 min. walking / population within 2.5 km x 100: 54.1
- Population accessible within 30 min. cycling / population within 7.5 km x 100: 85.7

Proximity of population
- Population within 2.5 km radius: 104,041 inhabitants
- Population within 7.5 km radius: 385,718 inhabitants
- Population within 11.25 km radius: 477,559 inhabitants

Accessibility by public transport combined with walking
- Population accessible within 30 minutes: 121,758 inhabitants
- Population accessible within 45 minutes: 416,632 inhabitants

Walking and cycling accessibility
- Population accessible within 30 minutes walking: 56,321 inhabitants
- Population accessible within 30 minutes cycling: 330,627 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Genova

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) | 99.5% of total pop.  
Population with high of very high frequency of departures nearby | 90.3% of total pop.  
Median number of departures an hour nearby | 29.2 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 | 32.1  
Population accessible within 45 min./ population within 11.25 km x 100 | 75.0  
Average straight-line speed of vehicle trips between 6:00 and 20:00 | 12.3 km/h  
Vehicle km travelled per inhabitant, between 6:00 and 20:00 | 10.6 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 | 44.9  
Population accessible within 30 min. cycling / population within 7.5 km x 100 | 76.4

Proximity of population

Population within 2.5 km radius | 127,394 inhabitants  
Population within 7.5 km radius | 363,750 inhabitants  
Population within 11.25 km radius | 449,668 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes | 116,633 inhabitants  
Population accessible within 45 minutes | 337,367 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking | 57,196 inhabitants  
Population accessible within 30 minutes cycling | 277,749 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Gent

Population: 216,134 inhabitants
Area: 54 km²
Density: 4,002 inh./km²
Weighted density: 5,713 inh./km²
Median block size: 12,274 m²
Average slope: 1.14 degrees

Typology of public transport service frequencies

<table>
<thead>
<tr>
<th>Service Frequency</th>
<th>% of Total Pop.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No access</td>
<td>3.5%</td>
</tr>
<tr>
<td>Low</td>
<td>4.1%</td>
</tr>
<tr>
<td>Medium</td>
<td>20.4%</td>
</tr>
<tr>
<td>High</td>
<td>60.6%</td>
</tr>
<tr>
<td>Very High</td>
<td>11.4%</td>
</tr>
</tbody>
</table>

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1): 96.4% of total pop.
Population with high or very high frequency of departures nearby: 72.0% of total pop.
Median number of departures an hour nearby: 19.8 dep./hour

Public transport performance

Population accessible within 30 min./population within 7.5 km x 100: 37.0
Population accessible within 45 min./population within 11.25 km x 100: 74.2
Average straight-line speed of vehicle trips between 6:00 and 20:00: 16.3 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00: 15.4 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100: 54.7
Population accessible within 30 min. cycling / population within 7.5 km x 100: 89.3

Proximity of population

Population within 2.5 km radius: 80,444 inhabitants
Population within 7.5 km radius: 212,750 inhabitants
Population within 11.25 km radius: 216,571 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes: 78,712 inhabitants
Population accessible within 45 minutes: 160,629 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking: 43,992 inhabitants
Population accessible within 30 minutes cycling: 189,918 inhabitants

* Group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
**Greater Manchester**

<table>
<thead>
<tr>
<th></th>
<th>UK</th>
<th>min-max scores</th>
<th>group average*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Population</strong></td>
<td>2,326,085</td>
<td>inhabitants</td>
<td></td>
</tr>
<tr>
<td><strong>Area</strong></td>
<td>735</td>
<td>km²</td>
<td></td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td>3,165</td>
<td>inh./km²</td>
<td></td>
</tr>
<tr>
<td><strong>Weighted density</strong></td>
<td>4,458</td>
<td>inh./km²</td>
<td></td>
</tr>
<tr>
<td><strong>Median block size</strong></td>
<td>8,183</td>
<td>m²</td>
<td></td>
</tr>
<tr>
<td><strong>Average slope</strong></td>
<td>2.07</td>
<td>degrees</td>
<td></td>
</tr>
</tbody>
</table>

**Access to public transport**

- Population with public transport stop within 500 m walking (SDG 11.2.1): 95.4% of total pop.
- Population with high or very high frequency of departures nearby: 61.4% of total pop.
- Median number of departures an hour nearby: 12.7 dep./hour

**Public transport performance**

- Population accessible within 30 min. / population within 7.5 km x 100: 11.6
- Population accessible within 45 min. / population within 11.25 km x 100: 39.0
- Average straight-line speed of vehicle trips between 6:00 and 20:00: 16.2 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00: 14.0 km/1000 inh.

<table>
<thead>
<tr>
<th>Straight-line speed of vehicle trips by mode</th>
<th>Vehicle km travelled by mode, between 6:00 and 20:00</th>
</tr>
</thead>
</table>
| 14.0 | bus | 79.5% | 70,826 | 43.1 * | *
| 24.6 | tram | 4.2%   | 470,172 | 65.2 * | *
| NA   | metro | 0.0%   | 901,137 | * | *
| 50.0 | train | 16.3%  | * | * | *
| NA   | others | 0.0%   | * | * | *

**Active modes performance**

- Population accessible within 30 min. walking / population within 2.5 km x 100: 43.1
- Population accessible within 30 min. cycling / population within 7.5 km x 100: 65.2

**Proximity of population**

- Population within 2.5 km radius: 70,826 inhabitants
- Population within 7.5 km radius: 470,172 inhabitants
- Population within 11.25 km radius: 901,137 inhabitants

**Accessibility by public transport combined with walking**

- Population accessible within 30 minutes: 54,406 inhabitants
- Population accessible within 45 minutes: 351,097 inhabitants

**Walking and cycling accessibility**

- Population accessible within 30 minutes walking: 30,494 inhabitants
- Population accessible within 30 minutes cycling: 306,474 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 90.5% of total pop.
Population with high of very high frequency of departures nearby 89.9% of total pop.
Median number of departures an hour nearby 56.7 dep./hour

Public transport performance

Population accessible within 30 min / population within 7.5 km x 100 18.1
Population accessible within 45 min / population within 11.25 km x 100 56.2
Average straight-line speed of vehicle trips between 6:00 and 20:00 18.5 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 14.9 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 51.6
Population accessible within 30 min. cycling / population within 7.5 km x 100 75.2

Proximity of population

Population within 2.5 km radius 99,791 inhabitants
Population within 7.5 km radius 556,145 inhabitants
Population within 11.25 km radius 925,989 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 100,775 inhabitants
Population accessible within 45 minutes 520,575 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 51,524 inhabitants
Population accessible within 30 minutes cycling 418,142 inhabitants

* group of 42 cities for which transport performance has been analysed
Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Helsinki

Population: 812,749 inhabitants
Area: 292 km²
Density: 2,783 inh./km²
Weighted density: 5,086 inh./km²
Median block size: 19,266 m²
Average slope: 2.74 degrees

Typology of public transport service frequencies
- no access: 3.4%
- low: 4.2%
- medium: 14.7%
- high: 48.8%
- very high: 28.9%

% of total pop.
- Access to public transport
  - Population with public transport stop within 500 m walking (SDG 11.2.1): 95.8%
  - Population with high or very high frequency of departures nearby: 77.7%
  - Median number of departures an hour nearby: 25.1 dep./hour

Public transport performance
- Population accessible within 30 min./ population within 7.5 km x 100: 28.9
- Population accessible within 45 min./ population within 11.25 km x 100: 67.1
- Average straight-line speed of vehicle trips between 6:00 and 20:00: 20.4 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00: 28.7 km/1000 inh.

Straight-line speed of vehicle trips by mode
- bus: 82.8%
- tram: 3.5%
- metro: 2.2%
- train: 11.4%
- others: 0.0%

Vehicle km travelled by mode, between 6:00 and 20:00
- bus: 82.8%
- tram: 3.5%
- metro: 2.2%
- train: 11.4%
- others: 0.0%

Active modes performance
- Population accessible within 30 min. walking / population within 2.5 km x 100: 52.8
- Population accessible within 30 min. cycling / population within 7.5 km x 100: 67.6

Proximity of population
- Population within 2.5 km radius: 58,710 inhabitants
- Population within 7.5 km radius: 305,296 inhabitants
- Population within 11.25 km radius: 521,176 inhabitants

Accessibility by public transport combined with walking
- Population accessible within 30 minutes: 88,081 inhabitants
- Population accessible within 45 minutes: 349,842 inhabitants

Walking and cycling accessibility
- Population accessible within 30 minutes walking: 31,016 inhabitants
- Population accessible within 30 minutes cycling: 206,287 inhabitants

* group of 42 cities for which transport performance has been analysed
Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 87.8% of total pop.
Population with high of very high frequency of departures nearby 76.1% of total pop.
Median number of departures an hour nearby 30.5 dep./hour

Public transport performance

Population accessible within 30 min./population within 7.5 km x 100 38.6
Population accessible within 45 min./population within 11.25 km x 100 97.0
Average straight-line speed of vehicle trips between 6:00 and 20:00 16.9 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 18.8 km/1000 inh.

Straight-line speed of vehicle trips by mode

<table>
<thead>
<tr>
<th>mode</th>
<th>min</th>
<th>max</th>
<th>average</th>
<th>% of total vkm</th>
</tr>
</thead>
<tbody>
<tr>
<td>bus</td>
<td>15.8</td>
<td>20.4</td>
<td>19.1</td>
<td>70.8%</td>
</tr>
<tr>
<td>tram</td>
<td>NA</td>
<td>NA</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>metro</td>
<td>NA</td>
<td>NA</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>train</td>
<td>20.4</td>
<td>60</td>
<td>32.3</td>
<td>29.2%</td>
</tr>
<tr>
<td>others</td>
<td>0</td>
<td>10</td>
<td>5.0</td>
<td>10.0%</td>
</tr>
</tbody>
</table>

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 49.8
Population accessible within 30 min. cycling / population within 7.5 km x 100 84.4

Proximity of population

Population within 2.5 km radius 92,053 inhabitants
Population within 7.5 km radius 252,243 inhabitants
Population within 11.25 km radius 256,887 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 97,344 inhabitants
Population accessible within 45 minutes 249,149 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 45,808 inhabitants
Population accessible within 30 minutes cycling 212,904 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
København

Population 1,036,566 inhabitants
Area 246 km²
Density 4,214 inh./km²
Weighted density 8,510 inh./km²
Median block size 13,335 m²
Average slope 1.15 degrees

Typology of public transport service frequencies

<table>
<thead>
<tr>
<th>Service Frequency</th>
<th>% of total pop.</th>
</tr>
</thead>
<tbody>
<tr>
<td>no access</td>
<td>5.3%</td>
</tr>
<tr>
<td>low</td>
<td>5.0%</td>
</tr>
<tr>
<td>medium</td>
<td>10.8%</td>
</tr>
<tr>
<td>high</td>
<td>32.8%</td>
</tr>
<tr>
<td>very high</td>
<td>46.1%</td>
</tr>
</tbody>
</table>

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 92.7% of total pop.
Population with high of very high frequency of departures nearby 78.9% of total pop.
Median number of departures an hour nearby 73.8 dep./hour

Public transport performance

Population accessible within 30 min. / population within 7.5 km x 100 29.3
Population accessible within 45 min. / population within 11.25 km x 100 59.9
Average straight-line speed of vehicle trips between 6:00 and 20:00 28.0 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 23.6 km/1000 inh.

Straight-line speed of vehicle trips by mode

<table>
<thead>
<tr>
<th>Mode</th>
<th>% of total vkm</th>
</tr>
</thead>
<tbody>
<tr>
<td>bus</td>
<td>89.2%</td>
</tr>
<tr>
<td>tram</td>
<td>0.0%</td>
</tr>
<tr>
<td>metro</td>
<td>1.3%</td>
</tr>
<tr>
<td>train</td>
<td>9.2%</td>
</tr>
<tr>
<td>others</td>
<td>0.3%</td>
</tr>
</tbody>
</table>

Vehicle km travelled by mode, between 6:00 and 20:00

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 53.3
Population accessible within 30 min. cycling / population within 7.5 km x 100 68.8

Proximity of population

Population within 2.5 km radius 122,095 inhabitants
Population within 7.5 km radius 599,929 inhabitants
Population within 11.25 km radius 868,556 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 175,562 inhabitants
Population accessible within 45 minutes 520,174 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 65,080 inhabitants
Population accessible within 30 minutes cycling 412,611 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Köln

Population 896,757 inhabitants
Area 222 km²
Density 4,039 inh./km²
Weighted density 7,249 inh./km²
Median block size 13,823 m²
Average slope 1.53 degrees

Typology of public transport service frequencies
- no access: 8.0% of total pop.
- low: 1.5% of total pop.
- medium: 11.8% of total pop.
- high: 58.6% of total pop.
- very high: 20.2% of total pop.

Access to public transport
- Population with public transport stop within 500 m walking (SDG 11.2.1): 90.7% of total pop.
- Population with high or very high frequency of departures nearby: 78.9% of total pop.
- Median number of departures an hour nearby: 24.8 dep./hour

Public transport performance
- Population accessible within 30 min./population within 7.5 km x 100: 53.2
- Population accessible within 45 min./population within 11.25 km x 100: 76.7
- Average straight-line speed of vehicle trips between 6:00 and 20:00: 19.5 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00: 6.1 km/1000 inh.

Active modes performance
- Population accessible within 30 min. walking / population within 2.5 km x 100: 53.2
- Population accessible within 30 min. cycling / population within 7.5 km x 100: 76.7

Proximity of population
- Population within 2.5 km radius: 98,110 inhabitants
- Population within 7.5 km radius: 504,655 inhabitants
- Population within 11.25 km radius: 719,809 inhabitants

Accessibility by public transport combined with walking
- Population accessible within 30 minutes: 133,675 inhabitants
- Population accessible within 45 minutes: 520,606 inhabitants

Walking and cycling accessibility
- Population accessible within 30 minutes walking: 52,222 inhabitants
- Population accessible within 30 minutes cycling: 387,091 inhabitants

* group of 42 cities for which transport performance has been analysed
Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Ljubljana

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 92.5% of total pop.
Population with high of very high frequency of departures nearby 83.1% of total pop.
Median number of departures an hour nearby 25.5 dep./hour

Public transport performance

Population accessible within 30 min./population within 7.5 km x 100 39.1
Population accessible within 45 min./population within 11.25 km x 100 85.3
Average straight-line speed of vehicle trips between 6:00 and 20:00 16.3 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 18.9 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 56.5
Population accessible within 30 min. cycling / population within 7.5 km x 100 94.6

Proximity of population

Population within 2.5 km radius 68,474 inhabitants
Population within 7.5 km radius 207,111 inhabitants
Population within 11.25 km radius 214,114 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 81,067 inhabitants
Population accessible within 45 minutes 182,743 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 38,692 inhabitants
Population accessible within 30 minutes cycling 196,007 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
### Access to public transport

- **Population with public transport stop within 500 m walking (SDG 11.2.1)**: 93.8% of total pop.
- **Population with high of very high frequency of departures nearby**: 79.5% of total pop.
- **Median number of departures an hour nearby**: 25.8 dep./hour

#### Public transport performance

- **Population accessible within 30 min./ population within 7.5 km x 100**: 25.4
- **Population accessible within 45 min./ population within 11.25 km x 100**: 74.8
- **Average straight-line speed of vehicle trips between 6:00 and 20:00**: 15.6 km/h
- **Vehicle km travelled per inhabitant, between 6:00 and 20:00**: 11.3 km/1000 inh.

#### Active modes performance

- **Population accessible within 30 min. walking / population within 2.5 km x 100**: 54.3
- **Population accessible within 30 min. cycling / population within 7.5 km x 100**: 81.1

#### Proximity of population

- **Population within 2.5 km radius**: 125,961 inhabitants
- **Population within 7.5 km radius**: 544,349 inhabitants
- **Population within 11.25 km radius**: 664,420 inhabitants

#### Accessibility by public transport combined with walking

- **Population accessible within 30 minutes**: 138,466 inhabitants
- **Population accessible within 45 minutes**: 497,252 inhabitants

#### Walking and cycling accessibility

- **Population accessible within 30 minutes walking**: 68,403 inhabitants
- **Population accessible within 30 minutes cycling**: 441,640 inhabitants

*group of 42 cities for which transport performance has been analysed

*Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap*
Luxembourg

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 97.4% of total pop.
Population with high of very high frequency of departures nearby 93.0% of total pop.
Median number of departures an hour nearby 42.5 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 47.7
Population accessible within 45 min./ population within 11.25 km x 100 89.6
Average straight-line speed of vehicle trips between 6:00 and 20:00 16.4 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 32.3 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 48.3
Population accessible within 30 min. cycling / population within 7.5 km x 100 98.2

Proximity of population

Population within 2.5 km radius 50,614 inhabitants
Population within 7.5 km radius 92,457 inhabitants
Population within 11.25 km radius 92,518 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 44,064 inhabitants
Population accessible within 45 minutes 82,938 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 24,434 inhabitants
Population accessible within 30 minutes cycling 90,803 inhabitants

* group of 42 cities for which transport performance has been analysed
Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 97.5% of total pop.
Population with high of very high frequency of departures nearby 86.6% of total pop.
Median number of departures an hour nearby 34.5 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 26.4
Population accessible within 45 min./ population within 11.25 km x 100 57.3
Average straight-line speed of vehicle trips between 6:00 and 20:00 14.3 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 15.4 km/1000 inh.

Straight-line speed of vehicle trips by mode

Vehicle km travelled by mode, between 6:00 and 20:00

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 54.1
Population accessible within 30 min. cycling / population within 7.5 km x 100 79.8

Proximity of population

Population within 2.5 km radius 170,217 inhabitants
Population within 7.5 km radius 756,025 inhabitants
Population within 11.25 km radius 947,587 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 199,429 inhabitants
Population accessible within 45 minutes 543,185 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 92,114 inhabitants
Population accessible within 30 minutes cycling 603,281 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
### Madrid

**Population**: 4,034,190 inhabitants  
**Area**: 323 km²  
**Density**: 12,490 inh./km²  
**Weighted density**: 21,450 inh./km²  
**Median block size**: 6,333 m²  
**Average slope**: 2.57 degrees

#### Typology of public transport service frequencies

- **no access**: 1.1%  
- **low**: 0.4%  
- **medium**: 1.6%  
- **high**: 12.7%  
- **very high**: 84.3%

<table>
<thead>
<tr>
<th>Type</th>
<th>% of total pop.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access to public transport</td>
<td></td>
</tr>
<tr>
<td>Population with public transport stop within 500 m walking (SDG 11.2.1)</td>
<td>98.4%</td>
</tr>
<tr>
<td>Population with high of very high frequency of departures nearby</td>
<td>96.9%</td>
</tr>
<tr>
<td>Median number of departures an hour nearby</td>
<td>63.8 dep./hour</td>
</tr>
</tbody>
</table>

#### Public transport performance

- **Population accessible within 30 min. / population within 7.5 km x 100**: 21.2%  
- **Population accessible within 45 min. / population within 11.25 km x 100**: 73.4%  
- **Average straight-line speed of vehicle trips between 6:00 and 20:00**: 15.9 km/h  
- **Vehicle km travelled per inhabitant, between 6:00 and 20:00**: 10.7 km/1000 inh.

#### Straight-line speed of vehicle trips by mode

<table>
<thead>
<tr>
<th>km/h</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Vehicle km travelled by mode, between 6:00 and 20:00

- **bus**: 89.2%  
- **tram**: 0.1%  
- **metro**: 6.2%  
- **train**: 4.5%  
- **others**: 0.0%

#### Active modes performance

- **Population accessible within 30 min. walking / population within 2.5 km x 100**: 46.4%  
- **Population accessible within 30 min. cycling / population within 7.5 km x 100**: 75.7%

#### Proximity of population

- **Population within 2.5 km radius**: 290,646 inhabitants  
- **Population within 7.5 km radius**: 1,629,009 inhabitants  
- **Population within 11.25 km radius**: 2,582,052 inhabitants

#### Accessibility by public transport combined with walking

- **Population accessible within 30 minutes**: 345,492 inhabitants  
- **Population accessible within 45 minutes**: 1,894,020 inhabitants

#### Walking and cycling accessibility

- **Population accessible within 30 minutes walking**: 134,776 inhabitants  
- **Population accessible within 30 minutes cycling**: 1,233,902 inhabitants

*Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap*
Oslo

Population

665,714 inhabitants

Area

197 km²

Density

3,379 inh./km²

Weighted density

5,889 inh./km²

Median block size

20,929 m²

Average slope

5.08 degrees

Typology of public transport service frequencies

- no access: 4.5%
- low: 2.6%
- medium: 15.5%
- high: 46.8%
- very high: 30.6%

% of total pop.

Access to public transport

- Population with public transport stop within 500 m walking (SDG 11.2.1): 92.0% of total pop.
- Population with high of very high frequency of departures nearby: 77.4% of total pop.
- Median number of departures an hour nearby: 23.9 dep./hour

Public transport performance

- Population accessible within 30 min./population within 7.5 km x 100: 29.9
- Population accessible within 45 min./population within 11.25 km x 100: 74.0
- Average straight-line speed of vehicle trips between 6:00 and 20:00: 23.5 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00: 13.6 km/1000 inh.

Vehicle km travelled by mode, between 6:00 and 20:00

- bus: 67.4%
- tram: 6.8%
- metro: 9.4%
- train: 16.4%
- others: 0.1%

Active modes performance

- Population accessible within 30 min. walking / population within 2.5 km x 100: 49.7
- Population accessible within 30 min. cycling / population within 7.5 km x 100: 71.4

Proximity of population

- Population within 2.5 km radius: 84,969 inhabitants
- Population within 7.5 km radius: 346,929 inhabitants
- Population within 11.25 km radius: 509,488 inhabitants

Accessibility by public transport combined with walking

- Population accessible within 30 minutes: 103,737 inhabitants
- Population accessible within 45 minutes: 377,166 inhabitants

Walking and cycling accessibility

- Population accessible within 30 minutes walking: 42,240 inhabitants
- Population accessible within 30 minutes cycling: 247,682 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
**Access to public transport**

- Population with public transport stop within 500 m walking (SDG 11.2.1) 97.7% of total pop.
- Population with high of very high frequency of departures nearby 85.0% of total pop.
- Median number of departures an hour nearby 36.9 dep./hour

**Public transport performance**

- Population accessible within 30 min./ population within 7.5 km x 100 18.5
- Population accessible within 45 min./ population within 11.25 km x 100 40.5
- Average straight-line speed of vehicle trips between 6:00 and 20:00 13.4 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00 11.3 km/1000 inh.

**Straight-line speed of vehicle trips by mode**

<table>
<thead>
<tr>
<th>Mode</th>
<th>km/h</th>
<th>% of total vkm</th>
</tr>
</thead>
<tbody>
<tr>
<td>bus</td>
<td>85.2%</td>
<td></td>
</tr>
<tr>
<td>tram</td>
<td>1.8%</td>
<td></td>
</tr>
<tr>
<td>metro</td>
<td>4.0%</td>
<td></td>
</tr>
<tr>
<td>train</td>
<td>9.1%</td>
<td></td>
</tr>
<tr>
<td>others</td>
<td>0.0%</td>
<td></td>
</tr>
</tbody>
</table>

**Active modes performance**

- Population accessible within 30 min. walking / population within 2.5 km x 100 53.0
- Population accessible within 30 min. cycling / population within 7.5 km x 100 75.8

**Proximity of population**

- Population within 2.5 km radius 247,254 inhabitants
- Population within 7.5 km radius 1,712,592 inhabitants
- Population within 11.25 km radius 3,252,647 inhabitants

**Accessibility by public transport combined with walking**

- Population accessible within 30 minutes 317,218 inhabitants
- Population accessible within 45 minutes 1,316,608 inhabitants

**Walking and cycling accessibility**

- Population accessible within 30 minutes walking 130,963 inhabitants
- Population accessible within 30 minutes cycling 1,298,792 inhabitants

---

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 92.9% of total pop.
Population with high of very high frequency of departures nearby 75.8% of total pop.
Median number of departures an hour nearby 18.6 dep./hour

Public transport performance

Population accessible within 30 min./population within 7.5 km x 100 26.3
Population accessible within 45 min./population within 11.25 km x 100 74.8
Average straight-line speed of vehicle trips between 6:00 and 20:00 17.3 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 10.6 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 43.0
Population accessible within 30 min. cycling / population within 7.5 km x 100 81.4

Proximity of population

Population within 2.5 km radius 105,668 inhabitants
Population within 7.5 km radius 432,612 inhabitants
Population within 11.25 km radius 519,035 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 113,823 inhabitants
Population accessible within 45 minutes 388,121 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 45,398 inhabitants
Population accessible within 30 minutes cycling 352,519 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 93.7% of total pop.
Population with high or very high frequency of departures nearby 89.9% of total pop.
Median number of departures an hour nearby 38.6 dep./hour

Public transport performance

Population accessible within 30 min / population within 7.5 km x 100 27.7
Population accessible within 45 min / population within 11.25 km x 100 61.1
Average straight-line speed of vehicle trips between 6:00 and 20:00 19.6 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 12.5 km/1000 inh.

Straight-line speed of vehicle trips by mode

<table>
<thead>
<tr>
<th>km/h</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>18.1</td>
<td>16.8</td>
<td>43.1</td>
<td>33.2</td>
<td>5.7</td>
</tr>
</tbody>
</table>

Vehicle km travelled by mode, between 6:00 and 20:00

<table>
<thead>
<tr>
<th>% of total km</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>62.2%</td>
<td>20.4%</td>
<td>10.3%</td>
<td>7.0%</td>
<td>0.1%</td>
<td></td>
</tr>
</tbody>
</table>

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 50.1
Population accessible within 30 min. cycling / population within 7.5 km x 100 64.7

Proximity of population

Population within 2.5 km radius 106,150 inhabitants
Population within 7.5 km radius 609,921 inhabitants
Population within 11.25 km radius 937,146 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 169,105 inhabitants
Population accessible within 45 minutes 572,600 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 53,179 inhabitants
Population accessible within 30 minutes cycling 394,450 inhabitants

* group of 42 cities for which transport performance has been analysed
Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Reykjavík

**Population**

- Population: 150,987 inhabitants
- Area: 67 km²
- Density: 2,254 inh./km²
- Weighted density: 3,376 inh./km²
- Median block size: 15,921 m²
- Average slope: 3.08 degrees

**Typology of public transport service frequencies**

- No access: 8.6%
- Low: 16.7%
- Medium: 45.1%
- High: 29.6%
- Very high: 0.0%

**Access to public transport**

- Access to public transport stop within 500 m walking (SDG 11.2.1): 91.4% of total population
- Population with high or very high frequency of departures nearby: 29.6% of total population
- Median number of departures an hour nearby: 5.8 dep./hour

**Public transport performance**

- Population accessible within 30 min. / population within 7.5 km x 100: 25.2
- Population accessible within 45 min. / population within 11.25 km x 100: 75.7
- Average straight line speed of vehicle trips between 6:00 and 20:00: 19.5 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00: 8.3 km/1000 inh.

**Straight-line speed of vehicle trips by mode**

<table>
<thead>
<tr>
<th>Mode</th>
<th>0</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>km/h</td>
<td>19.5</td>
<td>bus</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Vehicle km travelled by mode, between 6:00 and 20:00**

- Bus: 100.0%
- Tram: 0.0%
- Metro: 0.0%
- Train: 0.0%
- Others: 0.0%

**Active modes performance**

- Population accessible within 30 min. walking / population within 2.5 km x 100: 50.1
- Population accessible within 30 min. cycling / population within 7.5 km x 100: 78.1

**Proximity of population**

- Population within 2.5 km radius: 35,283 inhabitants
- Population within 7.5 km radius: 115,828 inhabitants
- Population within 11.25 km radius: 142,080 inhabitants

**Accessibility by public transport combined with walking**

- Population accessible within 30 minutes: 29,193 inhabitants
- Population accessible within 45 minutes: 107,579 inhabitants

**Walking and cycling accessibility**

- Population accessible within 30 minutes walking: 17,685 inhabitants
- Population accessible within 30 minutes cycling: 90,511 inhabitants

* Group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Access to public transport

- Population with public transport stop within 500 m walking (SDG 11.2.1): 92.7% of total pop.
- Population with high or very high frequency of departures nearby: 73.3% of total pop.
- Median number of departures an hour nearby: 16.7 dep./hour

Public transport performance

- Population accessible within 30 min./ population within 7.5 km x 100: 27.2
- Population accessible within 45 min./ population within 11.25 km x 100: 50.8
- Average straight-line speed of vehicle trips between 6:00 and 20:00: 15.8 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00: 11.4 km/1000 inh.

Active modes performance

- Population accessible within 30 min. walking / population within 2.5 km x 100: 54.9
- Population accessible within 30 min. cycling / population within 7.5 km x 100: 77.6

Proximity of population

- Population within 2.5 km radius: 89,430 inhabitants
- Population within 7.5 km radius: 374,503 inhabitants
- Population within 11.25 km radius: 501,687 inhabitants

Accessibility by public transport combined with walking

- Population accessible within 30 minutes: 101,836 inhabitants
- Population accessible within 45 minutes: 255,040 inhabitants

Walking and cycling accessibility

- Population accessible within 30 minutes walking: 49,092 inhabitants
- Population accessible within 30 minutes cycling: 290,520 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Roma

<table>
<thead>
<tr>
<th>Population</th>
<th>2,346,988</th>
<th>inhabitants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>432</td>
<td>km²</td>
</tr>
<tr>
<td>Density</td>
<td>5,433</td>
<td>inh./km²</td>
</tr>
<tr>
<td>Weighted density</td>
<td>9,911</td>
<td>inh./km²</td>
</tr>
<tr>
<td>Median block size</td>
<td>8,826</td>
<td>m²</td>
</tr>
<tr>
<td>Average slope</td>
<td>3.07</td>
<td>degrees</td>
</tr>
</tbody>
</table>

Typology of public transport service frequencies

- no access: 3.0%
- low: 3.6%
- medium: 13.7%
- high: 44.0%
- very high: 35.7%

Access to public transport

- Population with public transport stop within 500 m walking (SDG 11.2.1): 96.1% of total pop.
- Population with high or very high frequency of departures nearby: 79.7% of total pop.
- Median number of departures an hour nearby: 27.1 dep./hour

Public transport performance

- Population accessible within 30 min./population within 7.5 km x 100: 21.0
- Population accessible within 45 min./population within 11.25 km x 100: 40.4
- Average straight-line speed of vehicle trips between 6:00 and 20:00: 18.1 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00: 10.3 km/1000 inh.

Vehicle km travelled by mode, between 6:00 and 20:00

- bus: 82.3%
- tram: 2.5%
- metro: 4.2%
- train: 11.0%
- others: 0.0%

Active modes performance

- Population accessible within 30 min. walking / population within 2.5 km x 100: 47.6
- Population accessible within 30 min. cycling / population within 7.5 km x 100: 68.6

Proximity of population

- Population within 2.5 km radius: 143,633 inhabitants
- Population within 7.5 km radius: 860,560 inhabitants
- Population within 11.25 km radius: 1,481,916 inhabitants

Accessibility by public transport combined with walking

- Population accessible within 30 minutes: 180,571 inhabitants
- Population accessible within 45 minutes: 598,636 inhabitants

Walking and cycling accessibility

- Population accessible within 30 minutes walking: 68,389 inhabitants
- Population accessible within 30 minutes cycling: 590,133 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap.
Rotterdam

Access to public transport

- Population with public transport stop within 500 m walking (SDG 11.2.1): 90.0% of total pop.
- Population with high of very high frequency of departures nearby: 70.0% of total pop.
- Median number of departures an hour nearby: 15.1 dep./hour

Public transport performance

- Population accessible within 30 min. / population within 7.5 km x 100: 21.0% of total pop.
- Population accessible within 45 min. / population within 11.25 km x 100: 64.0% of total pop.
- Average straight-line speed of vehicle trips between 6:00 and 20:00: 18.5 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00: 9.8 km/1000 inh.

Active modes performance

- Population accessible within 30 min. walking / population within 2.5 km x 100: 53.5% of total pop.
- Population accessible within 30 min. cycling / population within 7.5 km x 100: 70.0% of total pop.

Proximity of population

- Population within 2.5 km radius: 95,670 inhabitants
- Population within 7.5 km radius: 488,494 inhabitants
- Population within 11.25 km radius: 733,416 inhabitants

Accessibility by public transport combined with walking

- Population accessible within 30 minutes: 102,357 inhabitants
- Population accessible within 45 minutes: 469,750 inhabitants

Walking and cycling accessibility

- Population accessible within 30 minutes walking: 51,147 inhabitants
- Population accessible within 30 minutes cycling: 341,934 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Stockholm

Population 1,182,030 inhabitants
Area 307 km²
Density 3,850 inh./km²
Weighted density 7,927 inh./km²
Median block size 14,942 m²
Average slope 3.22 degrees

Typology of public transport service frequencies

<table>
<thead>
<tr>
<th>Service Frequency</th>
<th>% of total pop.</th>
</tr>
</thead>
<tbody>
<tr>
<td>no access</td>
<td>6.8%</td>
</tr>
<tr>
<td>low</td>
<td>2.7%</td>
</tr>
<tr>
<td>medium</td>
<td>11.4%</td>
</tr>
<tr>
<td>high</td>
<td>37.5%</td>
</tr>
<tr>
<td>very high</td>
<td>41.5%</td>
</tr>
</tbody>
</table>

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 89.1% of total pop.
Population with high of very high frequency of departures nearby 79.0% of total pop.
Median number of departures an hour nearby 25.0 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 21.4
Population accessible within 45 min./ population within 11.25 km x 100 49.3
Average straight-line speed of vehicle trips between 6:00 and 20:00 15.6 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 15.9 km/1000 inh.

Vehicle km travelled by mode, between 6:00 and 20:00

<table>
<thead>
<tr>
<th>Mode</th>
<th>% of total vkm</th>
</tr>
</thead>
<tbody>
<tr>
<td>bus</td>
<td>81.2%</td>
</tr>
<tr>
<td>tram</td>
<td>2.3%</td>
</tr>
<tr>
<td>metro</td>
<td>10.5%</td>
</tr>
<tr>
<td>train</td>
<td>4.1%</td>
</tr>
<tr>
<td>others</td>
<td>2.0%</td>
</tr>
</tbody>
</table>

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 47.7
Population accessible within 30 min. cycling / population within 7.5 km x 100 63.4

Proximity of population

Population within 2.5 km radius 97,205 inhabitants
Population within 7.5 km radius 529,801 inhabitants
Population within 11.25 km radius 828,776 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 113,500 inhabitants
Population accessible within 45 minutes 408,201 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 46,379 inhabitants
Population accessible within 30 minutes cycling 335,819 inhabitants

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap

* Group of 42 cities for which transport performance has been analysed
### Stuttgart

**DE**

<table>
<thead>
<tr>
<th>Population</th>
<th>600,853 inhabitants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>172 km²</td>
</tr>
<tr>
<td>Density</td>
<td>3,493 inh./km²</td>
</tr>
<tr>
<td>Weighted density</td>
<td>6,076 inh./km²</td>
</tr>
<tr>
<td>Median block size</td>
<td>10,166 m²</td>
</tr>
<tr>
<td>Average slope</td>
<td>4.25 degrees</td>
</tr>
</tbody>
</table>

#### Typology of public transport service frequencies

- **no access**: 3.1% of total pop.
- **low**: 2.9% of total pop.
- **medium**: 11.0% of total pop.
- **high**: 53.4% of total pop.
- **very high**: 29.6% of total pop.

#### Access to public transport

- Population with public transport stop within 500 m walking (SDG 11.2.1): 89.9% of total pop.
- Population with high or very high frequency of departures nearby: 83.0% of total pop.
- Median number of departures an hour nearby: 23.7 dep./hour

#### Public transport performance

- Population accessible within 30 min./ population within 7.5 km x 100: 19.2
- Population accessible within 45 min./ population within 11.25 km x 100: 64.4
- Average straight-line speed of vehicle trips between 6:00 and 20:00: 21.1 km/h
- Vehicle km travelled per inhabitant, between 6:00 and 20:00: 7.9 km/1000 inh.

#### Active modes performance

- Population accessible within 30 min. walking / population within 2.5 km x 100: 51.2
- Population accessible within 30 min. cycling / population within 7.5 km x 100: 68.5

#### Proximity of population

- Population within 2.5 km radius: 71,235 inhabitants
- Population within 7.5 km radius: 360,154 inhabitants
- Population within 11.25 km radius: 521,299 inhabitants

#### Accessibility by public transport combined with walking

- Population accessible within 30 minutes: 69,200 inhabitants
- Population accessible within 45 minutes: 335,719 inhabitants

#### Walking and cycling accessibility

- Population accessible within 30 minutes walking: 36,478 inhabitants
- Population accessible within 30 minutes cycling: 246,819 inhabitants

---

*group of 42 cities for which transport performance has been analysed

**Source:** REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Tallinn

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 95.4% of total pop.
Population with high of very high frequency of departures nearby 81.8% of total pop.
Median number of departures an hour nearby 28.3 dep./hour

Public transport performance

Population accessible within 30 min. / population within 7.5 km x 100 43.7
Population accessible within 45 min. / population within 11.25 km x 100 76.1
Average straight-line speed of vehicle trips between 6:00 and 20:00 15.6 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 22.4 km/1000 inh.

Straight-line speed of vehicle trips by mode

Vehicle km travelled by mode, between 6:00 and 20:00

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 60.8
Population accessible within 30 min. cycling / population within 7.5 km x 100 86.2

Proximity of population

Population within 2.5 km radius 74,544 inhabitants
Population within 7.5 km radius 240,481 inhabitants
Population within 11.25 km radius 317,651 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 104,975 inhabitants
Population accessible within 45 minutes 241,618 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 45,307 inhabitants
Population accessible within 30 minutes cycling 207,266 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Torino

<table>
<thead>
<tr>
<th>Population</th>
<th>1,154,309 inhabitants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>176 km²</td>
</tr>
<tr>
<td>Density</td>
<td>6,559 inh./km²</td>
</tr>
<tr>
<td>Weighted density</td>
<td>11,632 inh./km²</td>
</tr>
<tr>
<td>Median block size</td>
<td>7,829 m²</td>
</tr>
<tr>
<td>Average slope</td>
<td>2.38 degrees</td>
</tr>
</tbody>
</table>

Typology of public transport service frequencies

<table>
<thead>
<tr>
<th>Frequency</th>
<th>% of total pop.</th>
</tr>
</thead>
<tbody>
<tr>
<td>no access</td>
<td>1.6%</td>
</tr>
<tr>
<td>low</td>
<td>1.8%</td>
</tr>
<tr>
<td>medium</td>
<td>9.0%</td>
</tr>
<tr>
<td>high</td>
<td>63.5%</td>
</tr>
<tr>
<td>very high</td>
<td>24.1%</td>
</tr>
</tbody>
</table>

Access to public transport

<table>
<thead>
<tr>
<th>Description</th>
<th>% of total pop.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population with public transport stop within 500 m walking (SDG 11.2.1)</td>
<td>98.0%</td>
</tr>
<tr>
<td>Population with high of very high frequency of departures nearby</td>
<td>87.6%</td>
</tr>
<tr>
<td>Median number of departures an hour nearby</td>
<td>25.2 dep./hour</td>
</tr>
</tbody>
</table>

Public transport performance

<table>
<thead>
<tr>
<th>Description</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Population accessible within 30 min./ population within 7.5 km x 100</td>
<td>27.6</td>
</tr>
<tr>
<td>Population accessible within 45 min./ population within 11.25 km x 100</td>
<td>70.5</td>
</tr>
<tr>
<td>Average straight-line speed of vehicle trips between 6:00 and 20:00</td>
<td>14.4 km/h</td>
</tr>
<tr>
<td>Vehicle km travelled per inhabitant, between 6:00 and 20:00</td>
<td>20.0 km/1000 inh.</td>
</tr>
</tbody>
</table>

Active modes performance

<table>
<thead>
<tr>
<th>Description</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Population accessible within 30 min. walking / population within 2.5 km x 100</td>
<td>57.8</td>
</tr>
<tr>
<td>Population accessible within 30 min. cycling / population within 7.5 km x 100</td>
<td>85.5</td>
</tr>
</tbody>
</table>

Proximity of population

<table>
<thead>
<tr>
<th>Description</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Population within 2.5 km radius</td>
<td>172,202 inhabitants</td>
</tr>
<tr>
<td>Population within 7.5 km radius</td>
<td>774,494 inhabitants</td>
</tr>
<tr>
<td>Population within 11.25 km radius</td>
<td>1,048,644 inhabitants</td>
</tr>
</tbody>
</table>

Accessibility by public transport combined with walking

<table>
<thead>
<tr>
<th>Description</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Population accessible within 30 minutes</td>
<td>214,024 inhabitants</td>
</tr>
<tr>
<td>Population accessible within 45 minutes</td>
<td>739,217 inhabitants</td>
</tr>
</tbody>
</table>

Walking and cycling accessibility

<table>
<thead>
<tr>
<th>Description</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Population accessible within 30 minutes walking</td>
<td>99,572 inhabitants</td>
</tr>
<tr>
<td>Population accessible within 30 minutes cycling</td>
<td>662,450 inhabitants</td>
</tr>
</tbody>
</table>

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Toulouse

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 92.5% of total pop.
Population with high or very high frequency of departures nearby 72.2% of total pop.
Median number of departures an hour nearby 19.5 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 28.9
Population accessible within 45 min./ population within 11.25 km x 100 72.9
Average straight-line speed of vehicle trips between 6:00 and 20:00 14.6 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 12.5 km/1000 inh.

Straight-line speed of vehicle trips by mode

Vehicle km travelled by mode, between 6:00 and 20:00

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 50.4
Population accessible within 30 min. cycling / population within 7.5 km x 100 81.9

Proximity of population

Population within 2.5 km radius 102,319 inhabitants
Population within 7.5 km radius 406,706 inhabitants
Population within 11.25 km radius 515,865 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 117,473 inhabitants
Population accessible within 45 minutes 375,934 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 51,579 inhabitants
Population accessible within 30 minutes cycling 332,990 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Vilnius

Population 408,266 inhabitants
Area 72 km²
Density 5,670 inh./km²
Weighted density 8,677 inh./km²
Median block size 28,205 m²
Average slope 2.87 degrees

Typology of public transport service frequencies

<table>
<thead>
<tr>
<th>Frequency</th>
<th>% of total pop.</th>
</tr>
</thead>
<tbody>
<tr>
<td>no access</td>
<td>11.8%</td>
</tr>
<tr>
<td>low</td>
<td>3.9%</td>
</tr>
<tr>
<td>medium</td>
<td>8.8%</td>
</tr>
<tr>
<td>high</td>
<td>75.5%</td>
</tr>
<tr>
<td>very high</td>
<td>0.0%</td>
</tr>
</tbody>
</table>

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 87.9% of total pop.
Population with high of very high frequency of departures nearby 75.5% of total pop.
Median number of departures an hour nearby 19.9 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 23.9
Population accessible within 45 min./ population within 11.25 km x 100 70.2
Average straight-line speed of vehicle trips between 6:00 and 20:00 14.9 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 12.0 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 48.8
Population accessible within 30 min. cycling / population within 7.5 km x 100 79.8

Proximity of population

Population within 2.5 km radius 104,334 inhabitants
Population within 7.5 km radius 378,148 inhabitants
Population within 11.25 km radius 397,981 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 90,384 inhabitants
Population accessible within 45 minutes 279,445 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 50,964 inhabitants
Population accessible within 30 minutes cycling 301,894 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Warszawa

Population 1,722,513 inhabitants
Area 309 km²
Density 5,574 inh./km²
Weighted density 10,048 inh./km²
Median block size 16,761 m²
Average slope 1.04 degrees

Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 93.5% of total pop.
Population with high of very high frequency of departures nearby 90.1% of total pop.
Median number of departures an hour nearby 65.7 dep./hour

Public transport performance

Population accessible within 30 min./population within 7.5 km x 100 30.9
Population accessible within 45 min./population within 11.25 km x 100 61.7
Average straight-line speed of vehicle trips between 6:00 and 20:00 18.4 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 12.9 km/1000 inh.

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 49.0
Population accessible within 30 min. cycling / population within 7.5 km x 100 70.4

Proximity of population

Population within 2.5 km radius 127,782 inhabitants
Population within 7.5 km radius 716,015 inhabitants
Population within 11.25 km radius 1,184,920 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 221,285 inhabitants
Population accessible within 45 minutes 730,874 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 62,669 inhabitants
Population accessible within 30 minutes cycling 504,292 inhabitants

* group of 42 cities for which transport performance has been analysed
Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Access to public transport

Population with public transport stop within 500 m walking (SDG 11.2.1) 97.5% of total pop.
Population with high of very high frequency of departures nearby 92.9% of total pop.
Median number of departures an hour nearby 60.9 dep./hour

Public transport performance

Population accessible within 30 min./ population within 7.5 km x 100 28.7
Population accessible within 45 min./ population within 11.25 km x 100 64.3
Average straight-line speed of vehicle trips between 6:00 and 20:00 15.8 km/h
Vehicle km travelled per inhabitant, between 6:00 and 20:00 9.0 km/1000 inh.

Straight-line speed of vehicle trips by mode

<table>
<thead>
<tr>
<th>km/h</th>
<th>bus</th>
<th>tram</th>
<th>metro</th>
<th>train</th>
<th>others</th>
<th>% of total km</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Vehicle km travelled by mode, between 6:00 and 20:00

<table>
<thead>
<tr>
<th>mode</th>
<th>% of total km</th>
</tr>
</thead>
<tbody>
<tr>
<td>bus</td>
<td>55.3%</td>
</tr>
<tr>
<td>tram</td>
<td>27.8%</td>
</tr>
<tr>
<td>metro</td>
<td>8.7%</td>
</tr>
<tr>
<td>train</td>
<td>8.2%</td>
</tr>
<tr>
<td>others</td>
<td>0.0%</td>
</tr>
</tbody>
</table>

Active modes performance

Population accessible within 30 min. walking / population within 2.5 km x 100 53.0
Population accessible within 30 min. cycling / population within 7.5 km x 100 79.2

Proximity of population

Population within 2.5 km radius 199,822 inhabitants
Population within 7.5 km radius 1,034,352 inhabitants
Population within 11.25 km radius 1,447,035 inhabitants

Accessibility by public transport combined with walking

Population accessible within 30 minutes 296,851 inhabitants
Population accessible within 45 minutes 931,047 inhabitants

Walking and cycling accessibility

Population accessible within 30 minutes walking 105,945 inhabitants
Population accessible within 30 minutes cycling 818,887 inhabitants

* group of 42 cities for which transport performance has been analysed
Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap
Zagreb

Population 648,276 inhabitants  
Area 121 km²  
Density 5,358 inh./km²  
Weighted density 8,223 inh./km²  
Median block size 13,069 m²  
Average slope 2.59 degrees

Typology of public transport service frequencies
- no access 9.8%  
- low 5.6%  
- medium 22.1%  
- high 60.4%  
- very high 2.1%

% of total pop.

Access to public transport
- Population with public transport stop within 500 m walking (SDG 11.2.1) 89.1% of total pop.  
- Population with high of very high frequency of departures nearby 62.5% of total pop.  
- Median number of departures an hour nearby 17.5 dep./hour

Public transport performance
- Population accessible within 30 min. / population within 7.5 km x 100 23.3  
- Population accessible within 45 min. / population within 11.25 km x 100 50.0  
- Average straight-line speed of vehicle trips between 6:00 and 20:00 17.1 km/h  
- Vehicle km travelled per inhabitant, between 6:00 and 20:00 10.9 km/1000 inh.

Straight-line speed of vehicle trips by mode
- bus 52.9%  
- tram 41.3%  
- metro 0.0%  
- train 5.8%  
- others 0.0%

Vehicle km travelled by mode, between 6:00 and 20:00
- bus 52.9%  
- tram 41.3%  
- metro 0.0%  
- train 5.8%  
- others 0.0%

Active modes performance
- Population accessible within 30 min. walking / population within 2.5 km x 100 50.8  
- Population accessible within 30 min. cycling / population within 7.5 km x 100 80.6

Proximity of population
- Population within 2.5 km radius 108,348 inhabitants  
- Population within 7.5 km radius 437,957 inhabitants  
- Population within 11.25 km radius 572,316 inhabitants

Accessibility by public transport combined with walking
- Population accessible within 30 minutes 102,183 inhabitants  
- Population accessible within 45 minutes 286,407 inhabitants

Walking and cycling accessibility
- Population accessible within 30 minutes walking 55,035 inhabitants  
- Population accessible within 30 minutes cycling 353,091 inhabitants

* group of 42 cities for which transport performance has been analysed

Source: REGIO-GIS, based on data from public transport operators, UIC, Eurostat, NSIs, Copernicus Urban Atlas, TomTom, OpenStreetMap