



GINI Index (country)
41.5

Total urban area (city)
772km²

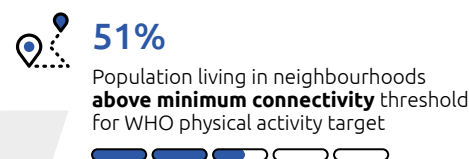
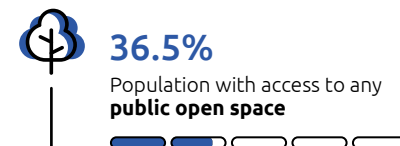
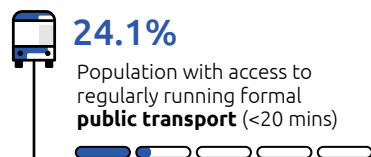
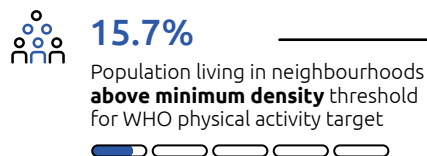
City-wide density (pop/Km²)
5,844km²

HDI (country)
0.926


Total population (city)
4,511,000

GDP per capita (INT \$)
\$44,569

Spatial Indicators



Policy Indicators

 **Metropolitan transport** policy with health-focused actions




 **Employment distribution** requirements



 **Street connectivity** requirements




 **Housing density** requirements




 **Air pollution policies** for transport and land-use planning




 **Parking restrictions** to discourage car use



 Provision of **pedestrian infrastructure** and targets for walking participation




 Minimum requirements for **public transport access** and targets for **public transport use**




 Requirements for **public transport access** to employment and services




 Minimum **public open space access** requirements



 Provision of **cycling infrastructure** and targets for cycling participation



 Publicly available information on **government expenditure** for different transport modes



 Policy exists

 Policy aligns with health and sustainability promotion

 Policy includes measurable targets

The data presented in this scorecard was derived using evidence-based indicators and thresholds, based on an international study by the Global Healthy and Sustainable City-Indicators Collaboration, published in May 2022 in The Lancet Global Health. More information on our methods and results is available in the articles listed below.

Policy Indicators for 25 cities

Lowe, M., Adlakha, D., Sallis, J. F., Salvo, D., Cerin, E., Moudon, A. V., Higgs, C., Hinckson, E., Arundel, J., Boeing, G., Liu, S., Mansour, P., Gebel, K., Puig-Ribera, A., Mishra, P. B., Bozovic, T., Carson, J., Dygrýn, J., Florindo, A. A., Ho, T. P., Hook, H., Hunter, R. F., Lai, P. C., Molina-García, J., Nitvimol, K., Oyeyemi, A. L., Ramos, C. D. G., Resendiz, E., Troelsen, J., Witlox, F., & B, G.-C. (2022). **City planning policies to support health and sustainability: an international comparison of policy indicators for 25 cities.** *The Lancet Global Health*. May, 2022. [https://doi.org/10.1016/S2214-109X\(22\)00069-9](https://doi.org/10.1016/S2214-109X(22)00069-9)

Evidence-based thresholds for spatial indicators: IPEN Adult study

Cerin, E., Sallis, J. F., Salvo, D., Hinckson, E., Conway, T. L., Owen, N., van Dyck, D., Lowe, M., Higgs, C., Moudon, A. V., Adam, M. A., Cain, K. L., Christiansen, L. B., Davey, R., Dygrýn, J., Frank, L. D., Reis, R., Sarmiento, O. L., Adlakha, D., Boeing, G., Liu, S., & Giles-Corti, B. (2022). **Determining thresholds for spatial urban design and transport features to create healthy and sustainable cities: findings from the IPEN Adult study.** *The Lancet Global Health*. May, 2022. [https://doi.org/10.1016/S2214-109X\(22\)00068-7](https://doi.org/10.1016/S2214-109X(22)00068-7)

Implementation of spatial indicators for 25 cities using open data and open-source software

Boeing, G., Higgs, C., Liu, S., Giles-Corti, B., Sallis, J. F., Cerin, E., Lowe, M., Adlakha, D., Hinckson, E., Moudon, A. V., Salvo, D., Adams, M. A., Barrozo, L. V., Bozovic, T., Callejo, G. V., Delclòs-Alió, X., Dygrýn, J., Ferguson, S., Gebel, K., Ho, T. P., Lai, P., Martori, J. C., Nitvimol, K., Queral, A., Roberts, J. D., Sambo, G. H., Schipperijn, J., Vale, D., Van de Weghe, N., & J, A. (2022). **Using Open Data and Open-Source Software to Develop Spatial Indicators of Urban Design and Transport Features for Achieving Healthy and Sustainable Cities.** *The Lancet Global Health*. May, 2022. [https://doi.org/10.1016/S2214-109X\(22\)00072-9](https://doi.org/10.1016/S2214-109X(22)00072-9)

GNI source

World Bank Estimate, 2018

Human Development Index (HDI) data source

United Nations Development Programme, 2018.

Total urban area of city data source

(only urbanized area was considered, with rural/undeveloped areas within the limits of the metropolitan area excluded)

Boeing, G., Higgs, C., Liu, S., Giles-Corti, B., Sallis, J. F., Cerin, E., Lowe, M., Adlakha, D., Hinckson, E., Moudon, A. V., Salvo, D., Adams, M. A., Barrozo, L. V., Bozovic, T., Callejo, G. V., Delclòs-Alió, X., Dygrýn, J., Ferguson, S., Gebel, K., Ho, T. P., Lai, P., Martori, J. C., Nitvimol, K., Queral, A., Roberts, J. D., Sambo, G. H., Schipperijn, J., Vale, D., Van de Weghe, N., & J, A. (2022). **Using Open Data and Open-Source Software to Develop Spatial Indicators of Urban Design and Transport Features for Achieving Healthy and Sustainable Cities.** *The Lancet Global Health*. May, 2022. [https://doi.org/10.1016/S2214-109X\(22\)00072-9](https://doi.org/10.1016/S2214-109X(22)00072-9)

Population data source

United Nations, 2021

GDP data source

Bureau of Economic Analysis, 2021