

Urban Liveability Index (15 indicators; Melbourne, 2012) data description

The spatial urban liveability index (ULI) is a tool to inform localised interventions supporting creation of healthier, more sustainable cities. The Urban Liveability Index and its 15 component indicators were calculated for 1,550,641 residential address proxy sample points across the urban portion of Greater Melbourne using ABS census data and other data sources.

Basic methods for construction of the pilot Urban Liveability Index are described in Higgs, C., Badland, H., Simons, K. and Giles-Corti, B. The Urban Liveability Index: developing a policy-relevant urban liveability composite measure and evaluating associations with transport mode choice. *Int J Health Geogr* 18, 14 (2019). <https://doi.org/10.1186/s12942-019-0178-8>.

For full description of methods and variables included in the revised 15 indicator version of the Urban Liveability Index presented here see Higgs, C., Badland, H., Simons, K. and Giles-Corti, B. Urban liveability and adult cardiometabolic health: policy-relevant evidence from a cross-sectional Australian built environment data linkage study. *npj Urban Sustainability* (2021; submitted, under review).

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Variable	Description
id	Serial unique identifier
x_epsg3111	Longitude (EPSG 3111; GDA94 / Vicgrid94)
y_epsg3111	Latitude (EPSG 3111; GDA94 / Vicgrid94)
abs_mb_code_2011	Mesh Block code (Australian Bureau of Statistics, 2011)
abs_sa1_7dig_2011	Statistical Area 1 (SA1) 7-digit code (ABS 2011)
abs_sa2_name_2011	Statistical Area 2 name (ABS 2011)
abs_sa3_name_2011	Statistical Area 3 name (ABS 2011)
abs_ssc_name_2011	Suburb name (ABS 2011)
abs_lga_name_2011	Local Government Area name (ABS 2011)
abs_state_name_2011	State name (ABS 2011)
urban_liveability_index	Urban Liveability Index (version 2, 15 indicators)
c_dwelling_density_1600m_per_sqkm	Cleaned normalised indicator: Local neighbourhood dwelling density
c_street_connectivity_1600m_per_sqkm	Cleaned normalised indicator: Local neighbourhood intersection density
c_access_large_public_open_space	Cleaned normalised indicator: Large public open space accessibility score
c_sa1_prop_affordablehousing	Cleaned normalised indicator: SA1 affordable housing
c_sa2_prop_live_work_sa3	Cleaned normalised indicator: SA1 live and work in same local area (SA3)
c_access_community_culture_leisure	Cleaned normalised indicator: Community, culture and leisure accessibility score
c_access_early_years	Cleaned normalised indicator: Early years destinations accessibility score
c_access_education	Cleaned normalised indicator: Education accessibility score
c_access_health_services	Cleaned normalised indicator: Health services accessibility score
c_access_sport_rec	Cleaned normalised indicator: Sport and recreation accessibility score
c_access_food	Cleaned normalised indicator: Fresh food accessibility score
c_access_convenience	Cleaned normalised indicator: Convenience destination accessibility score
c_access_busstop2012_400m	Cleaned normalised indicator: Bus stop accessibility score
c_access_tramstops2012_600m	Cleaned normalised indicator: Tram stop accessibility score
c_access_trainstations2012_800m	Cleaned normalised indicator: Train station accessibility score
raw_dwelling_density_1600m_per_sqkm	Local neighbourhood dwelling density
raw_street_connectivity_1600m_per_sqkm	Local neighbourhood intersection density
raw_access_large_public_open_space	Large public open space accessibility score
raw_sa1_prop_affordablehousing	SA1 affordable housing
raw_sa2_prop_live_work_sa3	SA1 live and work in same local area (SA3)
raw_access_community_culture_leisure	Community, culture and leisure accessibility score
raw_access_early_years	Early years destinations accessibility score
raw_access_education	Education accessibility score
raw_access_health_services	Health services accessibility score
raw_access_sport_rec	Sport and recreation accessibility score
raw_access_food	Fresh food accessibility score
raw_access_convenience	Convenience destination accessibility score
raw_access_busstop2012_400m	Bus stop accessibility score
raw_access_tramstops2012_600m	Tram stop accessibility score
raw_access_trainstations2012_800m	Train station accessibility score