

Amenity and Use



convenient facilities

Overview



Indicator name	Local living		
Indicator number	10	Indicator type	Supplementary
Objective	To measure access to a varied type of local living needs that will enhance the amenity and convenience of an area, ensuring that people can readily access destinations and services they require to manage their day-to-day needs		
Application guidance	<p>Liveability starts with health and wellbeing – for most people, the best forms of physical activity are those they can incorporate into everyday life. Walking to and from key destinations enables individuals to attain their daily physical activity needs as part of their regular commute. A local environment that provides for peoples’ daily needs within walking distance of where they live is thus a key component of health that transport, and associated networks, can play.</p> <p>This indicator will support practitioners to understand the aspects of local liveability, which provides walkable access to everyday community destinations, and is a key national liveability indicator. Based on the outcome of the assessment, practitioners can determine whether considerations on increased amenity should be made in their project or design.</p> <p>Practitioners can use the <i>walkable access to local living needs</i> metric to measure whether people can conveniently access (within an 800m walking catchment) local living needs.</p>		

Metric



Walkable access to local living needs

Related indicators



Access and Connection

4 Public transport accessibility



Amenity and Use

- 9 Public space
- 11 Primary schools
- 12 Transport node facilities
- 14 Mix of uses
- 17 Local jobs

Recommendation



- To enrich the POI data source, manual collection of entry points to facilities could be undertaken to improve accuracy
- Cycling access to local living needs could be considered
- If data is available, other relevant POIs that could be included in the analysis are: convenience store, specialty food stores (ie. butcher/greengrocer), bank, pharmacy, dentist, doctor



Metric – Walkable access to local living needs

Metric unit	Number of types (count)
Description	To measure the number of types of local living needs that can be accessed within 800m walking distance (approximately 10 mins walk)
Spatial coverage	Applicable to all NSW
Spatial application	This metric is most suitable for link-based analysis based on the road network.
Calculation methodology	<p>Define and obtain local living needs</p> <ol style="list-style-type: none">Local living needs types to be included in this analysis are:<ul style="list-style-type: none">• Childcare centre• Community facility• Medical centre• Post office• Preschool• Shopping centreSelect the above local living needs types from the NSW POI dataset to make a point layer <p>Perform network analysis</p> <ol style="list-style-type: none">Use location from POI identified in Step 2 as facility locationSnap to the nearest road segmentSet 800m as walking threshold for analysis <p>Calculate the number of types of local living needs</p> <ol style="list-style-type: none">Count based on the TfNSW routable network ID <p>Data representation</p> <ol style="list-style-type: none">Assign colour based on the classification below <p>Unit: Number of types (count)</p> <ul style="list-style-type: none">• 0 = no access to any types of local living needs• 4 = four, or more different types of local living needs can be accessed within an 800m walking catchment <p>0 1 2 3 > 4</p>
Assumption	Comfortable walking catchment (equivalent to 10-min walking time) for daily local living needs is 800m
Limitation	<ul style="list-style-type: none">• Locations of POIs are based on centre point of facility• Entry location for the facility is not identified
Data source	<ul style="list-style-type: none">• NSW Spatial Services Points of Interest: datasets.seed.nsw.gov.au/dataset/nsw-points-of-interest-poi• TfNSW Road Track Path Network

Reference

Mavoa et al, The Australian National Liveability Study Final Report (2016): preventioncentre.org.au/wp-content/uploads/2015/01/FINAL-The-National-Liveability-Study-Report.pdf