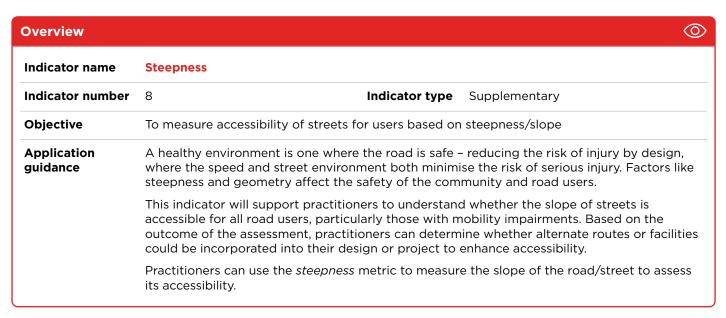
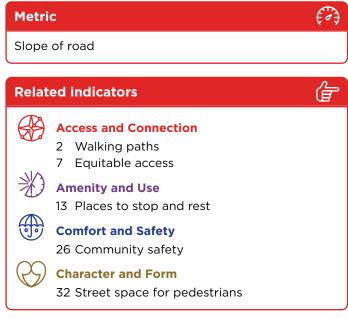
## Access and Connection



## equity





## Recommendation

To enrich the analysis, consideration could be given to off-road walking and cycling paths, which provide a vital part of the walking and cycling network



## Metric - Slope of road

Description Spatial coverage Spatial application Calculation methodology	Interpolate segme 2. Obtain 5m Digit	SW  t suitable for l  d segment da  segment ever  nts to surface	link-based analysi ata ry 20m										
Spatial application	Obtain refined roa  1. Split each road s  Interpolate segme  2. Obtain 5m Digit	t suitable for l d segment da segment ever nts to surface	ata ry 20m	is based on the	road network								
Calculation	Obtain refined road:  1. Split each road:  Interpolate segme  2. Obtain 5m Digit	d segment da segment ever	ata ry 20m	is based on the	road network								
	<ol> <li>Split each road s</li> <li>Interpolate segme</li> <li>Obtain 5m Digit</li> </ol>	segment ever	ry 20m										
methodology	Interpolate segme 2. Obtain 5m Digit	nts to surface											
	2. Obtain 5m Digit		<b>`</b>	1. Split each road segment every 20m									
			Interpolate segments to surface										
	3 Get each 20m si	2. Obtain 5m Digital Elevation Model (DEM)											
	3. Get each 20m segment start and end elevation												
	Calculate slope in degree												
	4. Use 20m segment length with start and end elevation to calculate slope degree												
	Slope = atan (abs(End point elevation - Start point elevation) / length)) x (180/pi)												
	abs: return absolute value												
	atan: return the arctangent (in radians) of a number  Data representation  5. Assign colour based on the classification below  Unit: Degree (°)  Walking												
								< 3	3.1 - 5	5.1 - 7	7.1 – 10	10.1 - 12	> 12
								Cycling					
< 2		2.1 - 5	5.1 - 10		> 10								