

Barcelona's Superblocks (Superilles) — City-Wide Traffic Reduction & Urban Greening for Public Health

PES & Nature-Based Solutions · Good practice · Spain

Quality score: 20/100

Evidence strength: Descriptive / self-reported

Summary

Barcelona's superblocks restrict through-traffic in 3x3-block clusters for green/pedestrian use. A peer-reviewed ISGlobal model of full rollout (503 superblocks) estimated 667 fewer premature deaths/year from cleaner air, less noise/heat, plus €1.7bn in annual savings.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	1/3
Biodiversity — conservation / improvement, evidenced	0/3
Water & soil — retention, infiltration, erosion control	0/3
Fire resilience — risk reduction, evidenced	0/3
Governance, certification & transferability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-02

[Barcelona City Council \(Ajuntament de Barcelona\) with Barcelona Institute for Global Health \(ISGlobal\)](#) — accessed 2026-08-02

[ISGlobal — Superblocks model could prevent almost 700 premature deaths every year in Barcelona](#) — accessed 2026-08-02

[ScienceDirect / Environment International — Changing the urban design of cities for health: The superblock model](#) — accessed 2026-08-02

[EurekAlert — 'Superblocks' model could prevent almost 700 premature deaths every year in Barcelona](#) — accessed 2026-08-02

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