Urban Growth Risk Assessment

Executive Brief (Decision Support)

What this analysis does

This analysis identifies administrative areas where **recent urban growth patterns** may be creating planning, infrastructure, or service-delivery pressure.

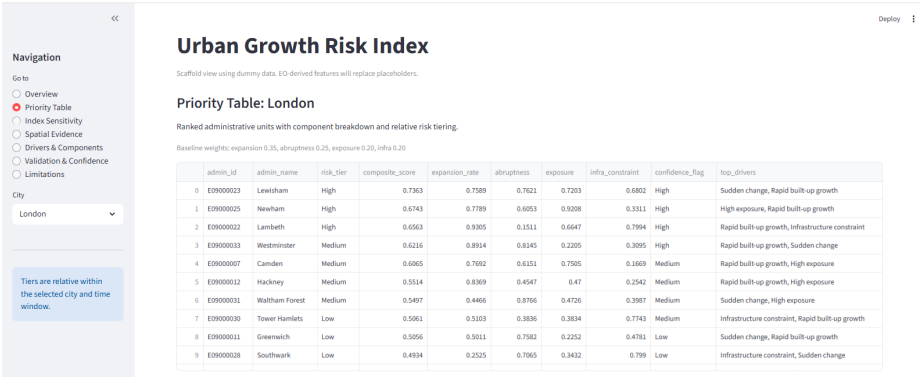
It prioritises areas based on: - Speed of built-up expansion - Abruptness of recent change - Exposure of population or assets - Proximity to infrastructure constraints

The output is designed for **triage and prioritisation**, not enforcement or legal determination.

How to read the results

- Start with the **Priority Table** to see which areas warrant attention first.
- Use the **Index Sensitivity** view to understand how robust the ranking is to reasonable changes in assumptions.
- Treat rankings as **relative within the city and time window**.

Priority overview



	admin_id	admin_name	risk_tier	composite_score	expansion_rate	abruptness	exposure	infra_constraint	confidence_flag	top_drivers
0	E09000023	Lewisham	High	0.7363	0.7589	0.7621	0.7203	0.6802	High	Sudden change, Rapid built-up growth
1	E09000025	Newham	High	0.6743	0.7789	0.6053	0.9208	0.3311	High	High exposure, Rapid built-up growth
2	E09000022	Lambeth	High	0.6563	0.9305	0.1511	0.6647	0.7994	High	Rapid built-up growth, Infrastructure constraint
3	E09000033	Westminster	Medium	0.6216	0.8914	0.8145	0.2205	0.3095	High	Rapid built-up growth, Sudden change
4	E09000007	Camden	Medium	0.6065	0.7692	0.6151	0.7505	0.1669	Medium	Rapid built-up growth, High exposure
5	E09000012	Hackney	Medium	0.5514	0.8369	0.4547	0.47	0.2542	Medium	Rapid built-up growth, High exposure
6	E09000031	Waltham Forest	Medium	0.5497	0.4466	0.8766	0.4726	0.3987	Medium	Sudden change, High exposure
7	E09000030	Tower Hamlets	Low	0.5061	0.5103	0.3836	0.3834	0.7743	Medium	Infrastructure constraint, Rapid built-up growth
8	E09000011	Greenwich	Low	0.5056	0.5011	0.7582	0.2252	0.4781	Low	Sudden change, Rapid built-up growth
9	E09000028	Southwark	Low	0.4934	0.2525	0.7065	0.3432	0.799	Low	Infrastructure constraint, Sudden change

Figure 1: Priority Table

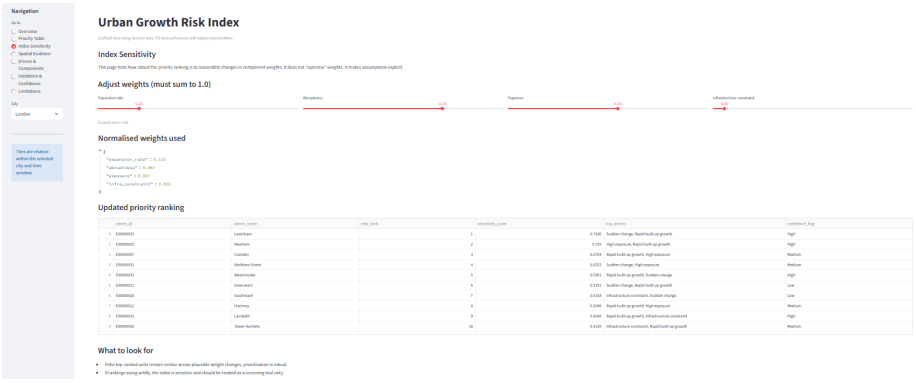


Figure 2: Index Sensitivity

Assumptions and sensitivity

This view shows how rankings change when component weights are adjusted. Stable top-ranked areas indicate robust prioritisation. Large rank swings indicate higher uncertainty and the need for additional evidence.

What this analysis does not claim

- It does not predict future growth.
- It does not identify informal settlements definitively.
- It does not replace statutory planning or field inspection.

How this would be used in practice

- Target follow-up analysis and site visits
- Prioritise infrastructure or drainage reviews
- Support early-stage planning discussions under time constraints