

PHILADELPHIA, PA

STRUCTURAL URBAN FORM REFERENCE MAP

Structural Intensity (SI) ≥ 0.007987
8-Neighbor Connectivity (Strict)

STRUCTURAL COMPONENTS

- Structural Core**
Largest connected component
- Center City-South Philadelphia**
Separate major structural area
- West Philadelphia**
Separate major structural area
- Other substantive components**
SI ≥ 0.007987 ; ≥ 10 cells
- Minor structural fragments**
SI ≥ 0.007987 ; < 10 cells

FIXED MEASUREMENTS

Geography	Cells / comps.	Area (mi ² / km ²)
Structural Core	5,947	7.866 mi ² 20.373 km ²
Center City-South Philadelphia	4,300	5.696 mi ² 14.753 km ²
West Philadelphia	3,844	5.089 mi ² 13.180 km ²
Other substantive components	232 comps.	11.562 mi ² 29.946 km ²
Total substantive structural areas	235 comps.	30.213 mi² 78.252 km²
Minor fragments	1,624 comps.	5.448 mi ² 14.110 km ²

Named areas are descriptive analytical labels, not official neighborhood, zoning, or planning boundaries.

BOUNDARIES

- Philadelphia municipal boundary
- County boundary

METHOD AND SOURCES

SI = estimated building-footprint coverage x normalized building height.
Native Microsoft raster cells; no smoothing, bridging, or gap filling.
2025 Census place boundary; strict 8-neighbor component labeling.

Sources: Microsoft 2023 Q4 Building Density & Height; U.S. Census Bureau 2025 TIGER/Line; Esri World Light Gray Canvas.
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