

Global Innovation Index 2024



Philadelphia, United States

Philadelphia is the ninth-ranked cluster, out of 20 American clusters, that falls within the top 100 S&T clusters in 2024. It filed **1,110 PCT applications** and published **6,448 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

35th largest science and technology cluster in 2024

41st S&T cluster by intensity (relative to population density) in 2024

Top PCT applicants

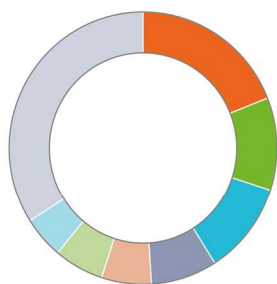
		Patents	Share
1	UNIVERSITY OF PENNSYLVANIA	308	5%
2	W.L. GORE & ASSOCIATES	258	5%
3	JANSSEN BIOTECH	221	4%

Top publishing organizations

		Articles	Share
1	UNIVERSITY OF PENNSYLVANIA	12,210	37%
2	UNIVERSITY OF DELAWARE	3,055	9%
3	CHILDRENS HOSPITAL OF PHILADELPHIA	2,583	8%

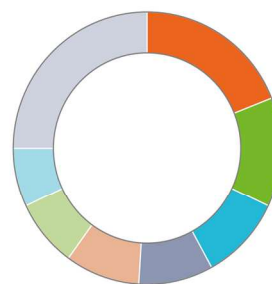
Top technology fields in Philadelphia

Patents



Pharma (19%)	Basic materials chem. (6%)
Medical tech. (11%)	Digital coms. (6%)
Biotech. (11%)	Molecular chem. (5%)
Organic fine chem. (8%)	Other (34%)

Publications



Clinical medicine (19%)	Technology (9%)
Surgery (13%)	Chemistry (8%)
Biochem. & biotech. (10%)	Medical science (7%)
Fundamental biology (9%)	Other (25%)

37% of Philadelphia's PCT patent applications are filed in collaboration with other inventors, with **New York City**, **Boston-Cambridge** and **San Jose-San Francisco** emerging as the top collaborative locations.

73% of Philadelphia's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **New York City**, **Washington** and **Boston-Cambridge**.