

The State of CELL AND GENE THERAPY in the Greater Philadelphia Region *A Comparative Analysis*

Appendix

Date: September 23, 2022

1. Research Infrastructure

1.1. NIH Total funding (\$M) for projects in “cell therapy” or “gene therapy” by City (2018 – 2022*)

Data Source:

National Institutes of Health Reporter, sorted by City and Terms "cell therapy" OR "gene therapy"

<https://reporter.nih.gov/>

Data Frequency: Weekly

Data Year: 2018-2022

Geography: City

1.2. Number of Tier I research universities by MSA (2021)

Data Source: American Council on Education, filtered by MSA, filtered by Tier Classification

<https://carnegieclassifications.acenet.edu/downloads.php>

Data Frequency: Annual

Data Year: 2021

Geography: Metropolitan Statistical Area

1.3. Total Colleges and Universities in Philadelphia

Data Source: IPEDS, filtered by County (grouped into MSA's), filtered by level = 1 or 2

https://hifld-geoplatform.opendata.arcgis.com/datasets/0d7bedf9d582472e9ff7a6874589b545_0/explore?location=42.608167%2C-69.994361%2C7.96

Data Frequency: Annual

Data Year: 2022

Geography: MSA

2. Human Capital

2.1. Percentage of recent grads with CGT skills as a percentage of total recent grads

Data Source:

Linkedin Talent Insight, sorted by Region and Skills Including: Gene Therapy, Genetics, Cell Therapy, Biotechnology, Immunology, and Cell Biology

<https://business.linkedin.com/talent-solutions/talent-insights>

Data Frequency: Real Time

Data Year: 2018-2022

Geography: Region

2.2 Students Attending Institutions in Greater Philadelphia/Alumni Retention

Data Source:

PHILADELPHIA Renaissance, Campus Philly.

<https://campusphilly.org/wp-content/uploads/2020/05/CampusPhilly-PhiladelphiaRenaissance2019-web.pdf>

Report Release: 2019

Data Year: 2010-2014

Geography: Region

2.3 Number of Employees by MSA

Data Source:

Bureau of Labor Statistics - Quarterly Census of Employment and Wages, filtered by 4 level NAICS code.

Research & development in biotechnology = NAICS code 5417

Pharmaceutical manufacturing = NAICS Code 3254

https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables

Data Frequency: Quarterly

Data Year: 2021

Geography: MSA

3. Innovation Output

3.1. Number of patents in “gene therapy” or “cell therapy” by MSA (2012 – 2022*)

Data Source:

United States Patent and Trademark Office Patent Data Query Builder – filtered by all patents with words cell therapy, gene therapy, or immunotherapy by MSA
<https://datatool.patentsview.org/query/>

Data Frequency: Quarterly

Data Year: 2012-2021

3.2 Number of clinical trials in “gene therapy” or “cell therapy” by City (2012 – 2022*)

Data Source:

U.S. National Library of Medicine - Search by City, Terms: "Cell therapy" OR "gene therapy", Start Date from 1/1/2012 to present.
<https://clinicaltrials.gov/ct2/search/advanced?cond=&term=&cntry=&state=&city=&dist=>

Data Frequency: Real Time

Data Year: 2012-2021

4. Commercial Activity

4.1. Venture capital invested in CGT companies by city (2018 - 2022)

Data Source:

DealForma - Data provided and filtered by the Philadelphia Chamber of Commerce
<https://app.dealforma.com/search>
Data Year: 2018-August 2022

4.2 Inventory Space by Region (Q2 2022)

Data Sources:

Primary Report:

Newmark - 2022 Mid-Year Life Science Overview & Market Clusters
<https://www.nmrk.com/insights/thought-leadership/2022-mid-year-life-science-overview-market-clusters>

Data Year: Mid 2022

Uses: Existing SF, Total New SF, Asking Rent.

Secondary Report:

U.S. LIFE SCIENCES | Q2 2022

<https://www.cbre.com/insights/figures/q2-2022-us-life-sciences-figures>

Data Year: Q2 2022

Uses: Geographic Areas not covered in the Primary Report

Tertiary Report:

Breaking Through | Philadelphia Life Sciences 2021 Market Report | Colliers

<https://www.colliers.com/en/research/philadelphia/2021-philadelphia-life-sciences-market-report-breaking-through>

Data Year: Mid 2022

Uses: Fill in gaps in Proposed and Future Development

5. Commercial Activity

5.1. Regional Price Parity

Data Source:

Bureau of Economic Analysis - Regional Price Parities by MSA

<https://www.bea.gov/data/prices-inflation/regional-price-parities-state-and-metro-area>

Data Frequency: Quarterly

Data Year: 2021

5.2 Commercial Rents in Life Sciences

Data Sources:

Primary Report:

Newmark - 2022 Mid-Year Life Science Overview & Market Clusters

<https://www.nmrk.com/insights/thought-leadership/2022-mid-year-life-science-overview-market-clusters>

Data Year: Mid 2022

Uses: Asking Rent (Midpoint of Range)

Secondary Report:

U.S. LIFE SCIENCES | Q2 2022

<https://www.cbre.com/insights/figures/q2-2022-us-life-sciences-figures>

Data Year: Q2 2022

Uses: Geographic Areas not covered in the Primary Report

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