

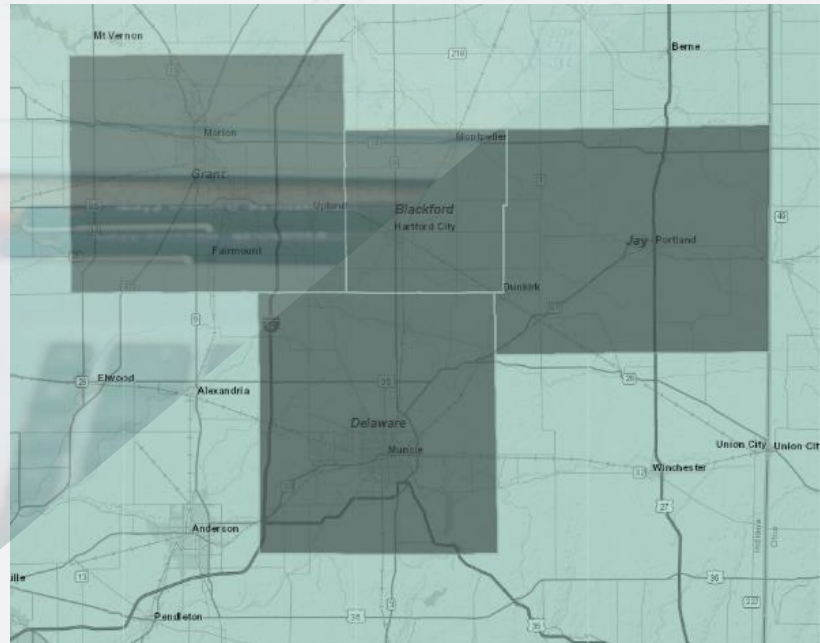
East Central Indiana Regional Planning District

Biomedical/Biotechnical (Life Sciences) Cluster Drill-down

Section 01



Economic indicators



Economic Indicators	East Central Indiana Regional Planning District (QCEW, non-QCEW, self-employed and proprietors)
Jobs 2023 (% of total jobs)	10,224 (9%)
Job change 2018-2023 (#, %)	-46 (Less than 0.5%)
Average total earnings per job 2023	\$62,796
Cost of Living (COL)	93.2
Est. Establishment 2023 (% of total est.)	221 (5%)
GRP (Gross Regional Product) 2023	\$819.6 Million
GRP per job 2023 (productivity)	\$ 80,166
Total purchases 2023	\$516.7 Million
<i>Within region</i>	40%
<i>Imported from outside of region & state</i>	60%
Number of sectors in biomedical/biotechnical cluster	46

Section 02



Competitiveness, economic leakages and Workforce

Regional Job Growth:

Three Key Components of the Shift-Share Analysis

Expected Change

The sum of the industrial mix and the national growth effects



National Growth Effect

Explains how much of the regional industry's growth is explained by the overall growth of the national economy

Industrial Mix Effect

Share of regional industry growth explained by the growth of the specific industry sector at the national level

Regional Competitive Effect

Explains how much of the change in a given industry is due to some unique competitive advantage that the region possesses

Note:

The calculations ensure no double counting of job change effects from national to regional levels

Shift-Share Analysis (Regional Performance) by Top Industry Sectors

Industries	Jobs 2023	National Trend 2018-2023 (A)	Industry Trend 2018-2023 (B)	Cumulative Expected Growth (C=A+B)	Actual Job Growth 2018-2023 (D)	Regional Performance 2018-2023 (D-C)
General Medical and Surgical Hospitals	3,117	240	-136	104	371	267 
Nursing Care Facilities (Skilled Nursing Facilities)	1,964	167	-379	-211	45	256 
Home Health Care Services	825	84	27	111	-141	-252
Pharmacies and Drug Retailers	743	70	-71	-1	-56	-55
Outpatient Mental Health and Substance Abuse Centers	588	44	77	120	87	-33
Continuing Care Retirement Communities	522	47	-74	-27	-18	9 
Assisted Living Facilities for the Elderly	466	35	5	40	63	23 
Other Residential Care Facilities	295	64	-74	-10	-435	-425
Ambulance Services	252	27	-33	-6	-57	-51
All Other Outpatient Care Centers	217	13	43	56	72	16 
Residential Intellectual and Developmental Disability Facilities	140	13	-13	0	-12	-12
Cosmetics, Beauty Supplies, and Perfume Retailers	135	14	7	21	-22	-43
Freestanding Ambulatory Surgical and Emergency Centers	120	12	12	25	-18	-43
Kidney Dialysis Centers	103	10	-8	2	-9	-11
Dental Laboratories	24	6	-9	-3	-45	-43

Note: Upward arrow  indicates regional competitiveness.

Shift-Share Analysis 2023

Industries that Outperformed

- General Medical and Surgical Hospitals
- Nursing Care Facilities (Skilled Nursing Facilities)
- Continuing Care Retirement Communities
- Assisted Living Facilities for the Elderly
- All Other Outpatient Care Centers

Industries that Underperformed

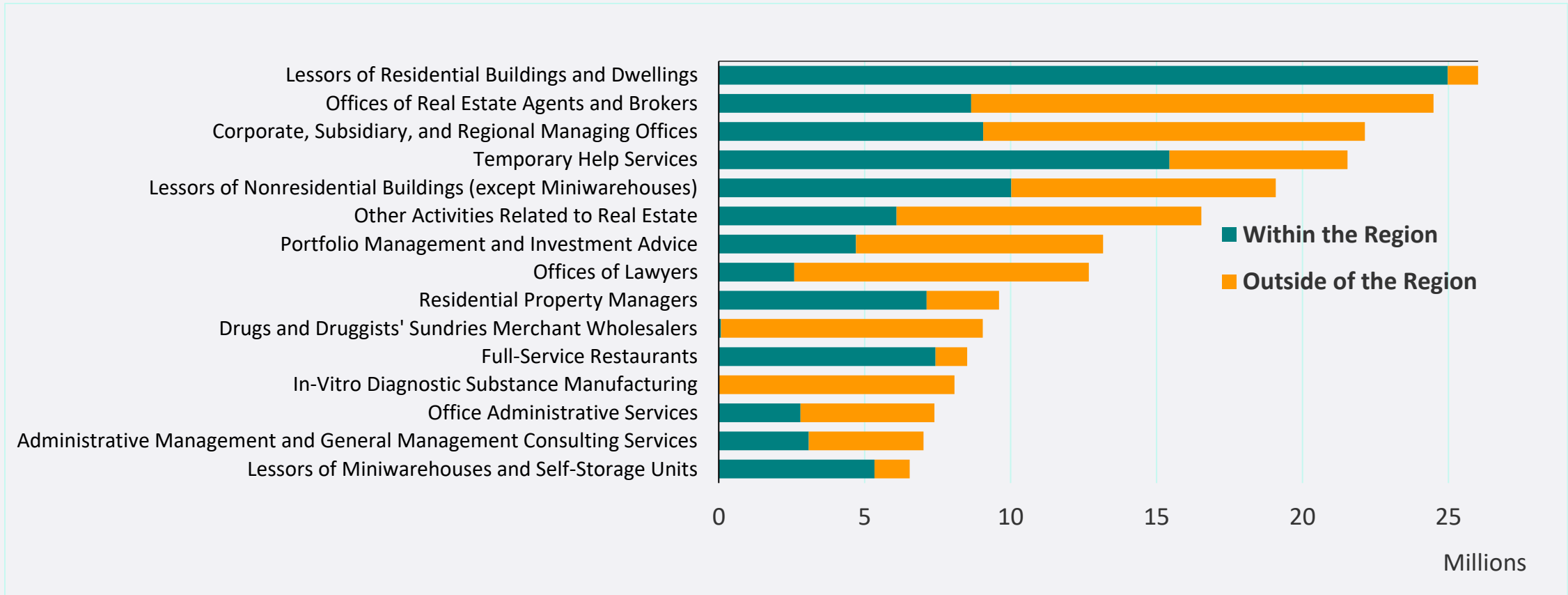
- Home Health Care Services
- Pharmacies and Drug Retailers
- Other Residential Care Facilities
- Outpatient Mental Health and Substance Abuse Centers
- Ambulance Services
- Cosmetics, Beauty Supplies, and Perfume Retailers
- Residential Intellectual and Developmental Disability Facilities
- Freestanding Ambulatory Surgical and Emergency Centers
- Kidney Dialysis Centers
- Dental Laboratories

- Two strong industry sectors include General Medical and Surgical Hospitals with over 3000 jobs, and Nursing Care Facilities (Skilled Nursing Facilities) with almost 2000 jobs in 2023.
- General Medical and Surgical Hospitals and Nursing Care Facilities (Skilled Nursing Facilities) have large competitive shift values of +250 plus.

Leakage analysis: Top 15 Industries by Inputs

Industries	Estimated Input (\$ Million), 2023	% In-Region	% Out of Region
Lessors of Residential Buildings and Dwellings	\$26,015,502	96.0%	4.0%
Offices of Real Estate Agents and Brokers	\$24,486,425	35.3%	64.7%
Corporate, Subsidiary, and Regional Managing Offices	\$22,135,156	40.9%	59.1%
Temporary Help Services	\$21,541,469	71.7%	28.3%
Lessors of Nonresidential Buildings (except Miniwarehouses)	\$19,086,108	52.5%	47.5%
Other Activities Related to Real Estate	\$16,537,258	36.8%	63.2%
Portfolio Management and Investment Advice	\$13,169,822	35.7%	64.3%
Offices of Lawyers	\$12,679,560	20.4%	79.6%
Residential Property Managers	\$9,600,938	74.2%	25.8%
Drugs and Druggists' Sundries Merchant Wholesalers	\$9,048,554	0.8%	99.2%
Full-Service Restaurants	\$8,514,821	87.3%	12.7%
In-Vitro Diagnostic Substance Manufacturing	\$8,075,177	0.0%	100.0%
Office Administrative Services	\$7,388,087	37.9%	62.1%
Administrative Management and General Management Consulting Services	\$7,011,626	44.0%	56.0%
Lessors of Miniwarehouses and Self-Storage Units	\$6,542,389	81.6%	18.4%

Leakage analysis 2023

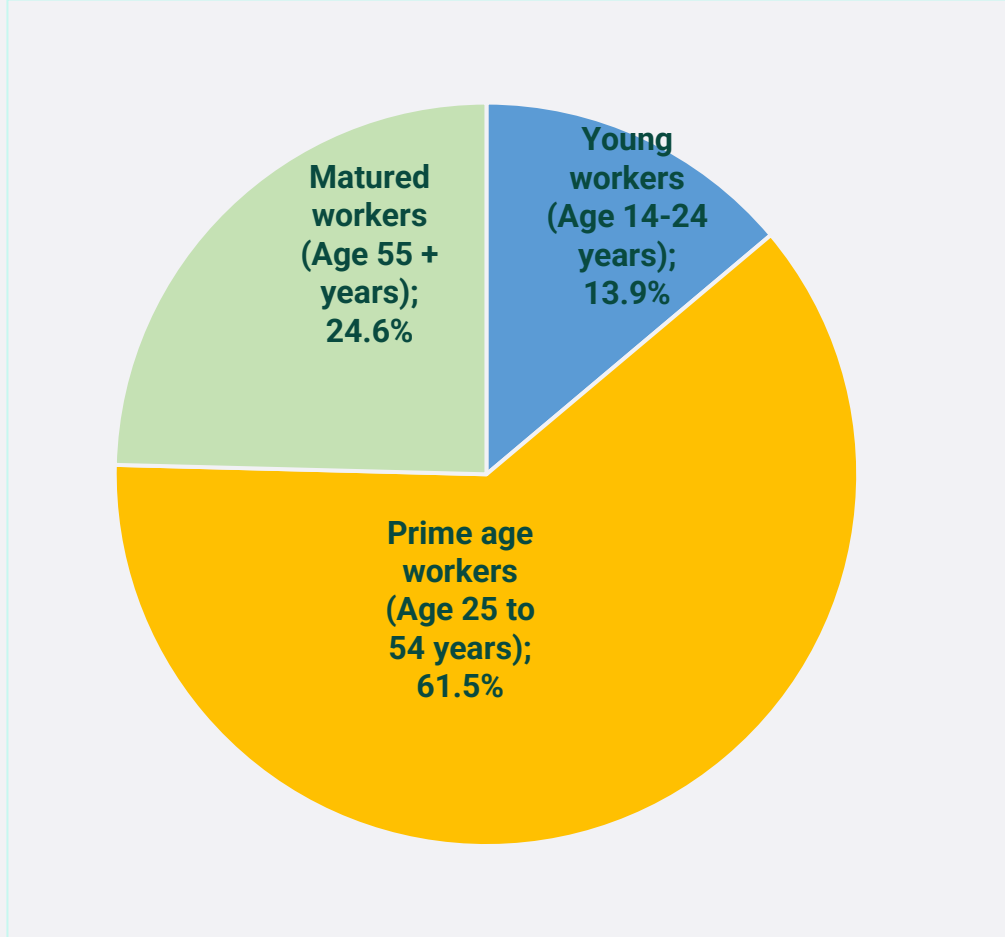


- Two industries rely on supply outside the region with more than 99%: a) Drugs and Druggists' Sundries Merchant Wholesalers, and b) In-Vitro Diagnostic Substance Manufacturing.



Occupations	Jobs 2023	% Change 2018-2023	% of Total Jobs in Cluster 2023	Median Hour Earnings	Entry level Education	Automation
Registered Nurses	1,378	0%	13.5%	\$36.97	Bachelor's degree	85.3
Nursing Assistants	1,165	1%	11.4%	\$17.45	Postsecondary nondegree award	97
Home Health and Personal Care Aides	804	-10%	7.9%	\$14.05	High school diploma or equivalent	93.6
Licensed Practical and Licensed Vocational Nurses	447	-4%	4.4%	\$28.31	Postsecondary nondegree award	84.8
Pharmacy Technicians	309	2%	3.0%	\$18.34	High school diploma or equivalent	109.9
Medical and Health Services Managers	254	39%	2.5%	\$45.45	Bachelor's degree	75.2
Substance Abuse, Behavioral Disorder, and Mental Health Counselors	203	43%	2.0%	\$19.43	Bachelor's degree	84.9
Maids and Housekeeping Cleaners	198	-23%	1.9%	\$13.47	No formal educational credential	124.5
Medical Assistants	195	80%	1.9%	\$19.26	Postsecondary nondegree award	97.3
Food Servers, Nonrestaurant	181	6%	1.8%	\$13.93	No formal educational credential	118.7
Cooks, Institution and Cafeteria	176	-18%	1.7%	\$15.84	No formal educational credential	108.3
Cashiers	169	1%	1.6%	\$12.90	No formal educational credential	105.5
Pharmacists	162	-9%	1.6%	\$62.18	Doctoral or professional degree	89.1
Medical Secretaries and Administrative Assistants	156	98%	1.5%	\$19.19	High school diploma or equivalent	93.1
Emergency Medical Technicians	152	-2%	1.5%	\$14.81	Postsecondary nondegree award	83.7

Worker demographics 2023



- Hispanic workers (3%)
- Black or African-American workers (10%)
- Asian workers (2%)
- White workers (84%)
- American Indian or Alaska Native (0.15%)
- Others (1%)

- Male workers (21%)
- Female workers (79%)

- 24.6% workers are matured (aged 55 years or more) workers in ECIRPD in this cluster. Young workers are 13.9% of the labor force.

Section 03

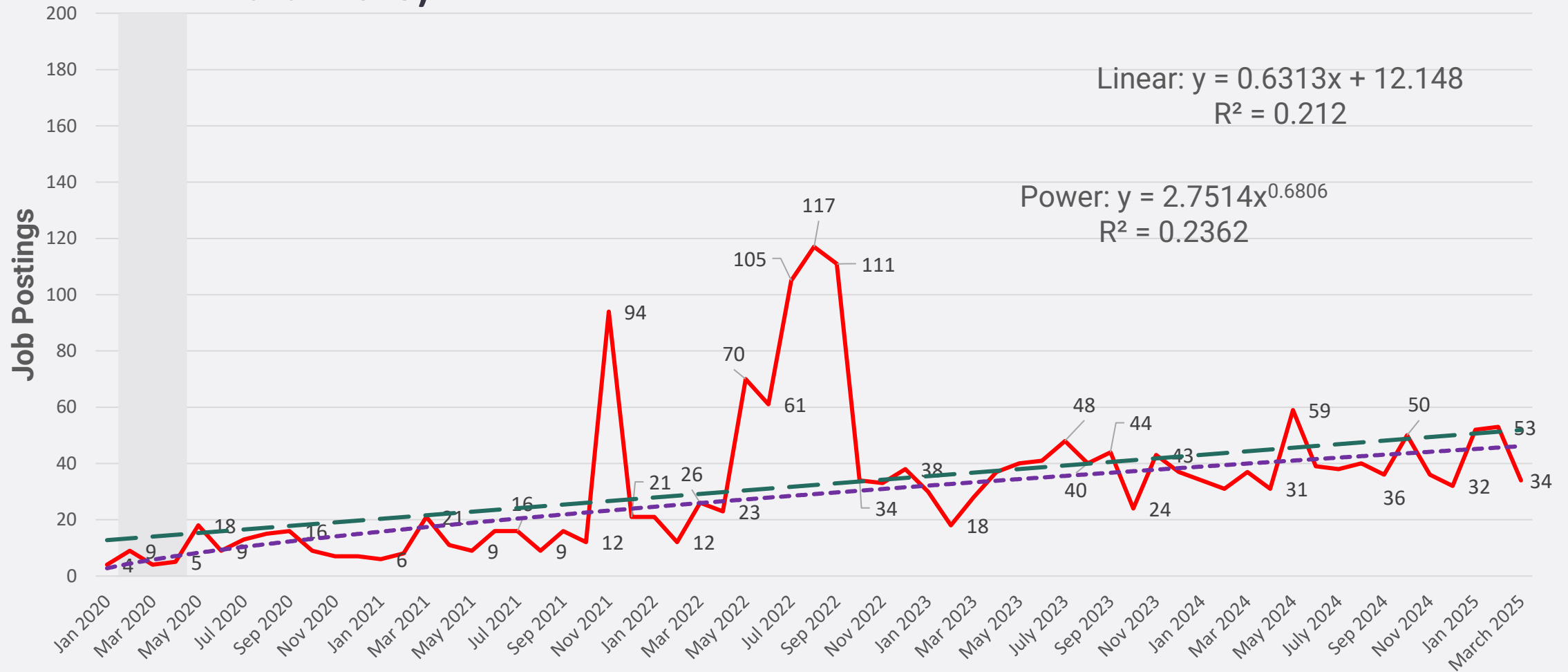


Jobs Postings (Labor demand)

Biomedical/Biotechnical Cluster Jobs Postings Overview

- From January 2020 to March 2025, a total of 10,931 unique jobs postings happened in industries within the Biomedical/Biotechnical cluster. The average monthly unique jobs postings was 176 per month.
- The median posting duration was 29 days. Posting intensity was 2:1.
- Percent change between **January 2020 and March 2025** was **750%**.
- 367 employers in Biomedical/Biotechnical cluster competed for talent during this period.
- Hourly median advertised salary was \$22.71 per hour (19% postings included salaries)
- Job postings were advertised in 37 different industries within ECIRPD Region. **Nursing Care Facilities (Skilled Nursing Facilities), General Medical and Surgical Hospitals, Home Health Care Service, Pharmacies and Drug Retailers, and Assisted Living Facilities for the Elderly** had more than 2,500 unique jobs postings during **January 2020 and March 2025**.
- Top companies in Biomedical/Biotechnical cluster posting jobs include Central Vermont Medical Center, Walgreens Boot Alliance, CVS Health, American Senior Communities, and Magnolia Health.

Biomedical/Biotechnical Cluster: Job Postings Time Series (Jan 2020 to March 2025)

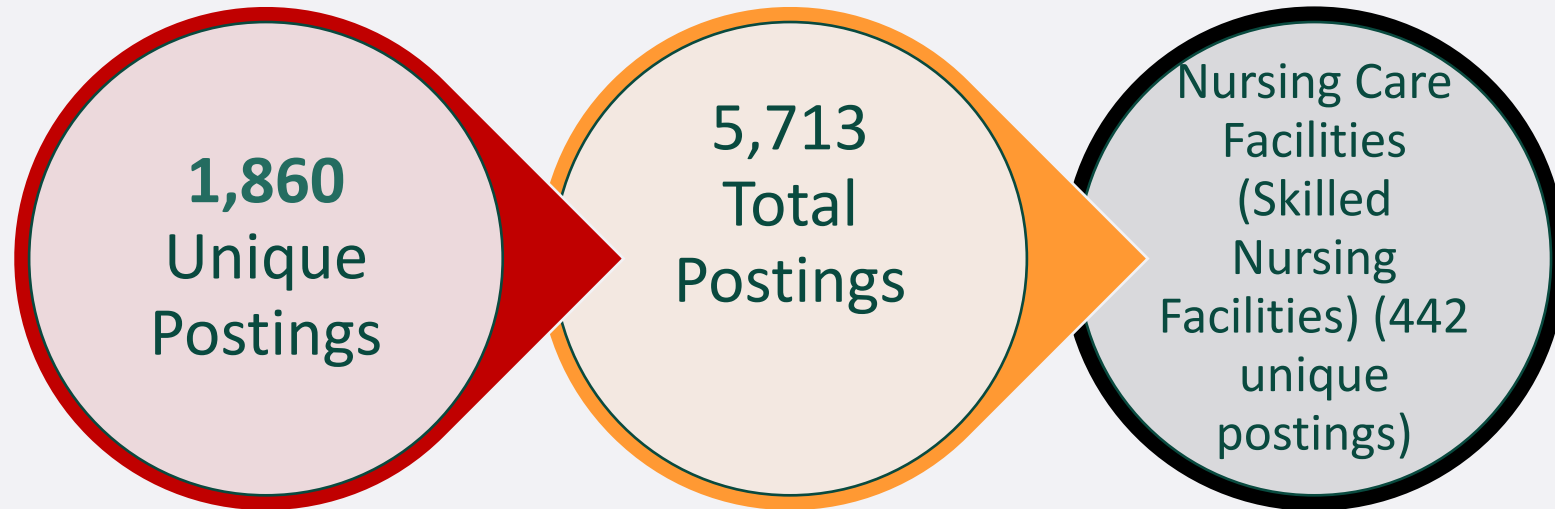


- Unique jobs postings are not seasonally adjusted and hence may show seasonal effects. Jobs postings are in a recovery and growth mode following the COVID-19 induced recession (February 2020 to April 2020).

**Latest 1-Month
Unique Jobs
Postings
February 2025 –
March 2025**



**Latest 12-Month
Unique Jobs
Postings
March 2024 –
March 2025**



Top Companies Postings

1. Central Vermont Medical Center
2. Walgreens Boots Alliance
3. CVS Health
4. American Senior Communities
5. Magnolia Health Systems
6. Signature Healthcare
7. Eagle Care
8. CenterWell Home Health
9. Life Care Centers of America
10. Trilogy Health Services

Top Industries

1. Nursing Care Facilities (Skilled Nursing Facilities)
2. General Medical and Surgical Hospitals
3. Home Health Care Services
4. Pharmacies and Drug Retailers
5. Assisted Living Facilities for the Elderly
6. Kidney Dialysis Centers
7. Pharmaceutical Preparation Manufacturing
8. Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers
9. All Other Outpatient Care Centers
10. Cosmetics, Beauty Supplies, and Perfume Retailers

- Farmers, farm hand and manual worker jobs advertisements are based on analog and not online services.

Report Contributors



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