



2020 CALIFORNIA ECONOMIC IMPACT REPORT

LOS ANGELES COUNTY



195,820

Total jobs attributable to the Life Science industry in 2019 (direct/indirect/induced)



\$1.15 billion

in research funding from National Institutes of Health (NIH) for FY2019



2,890

Life Science establishments

THE IMPACT OF LIFE SCIENCE IN LOS ANGELES COUNTY

Los Angeles County's Life Science industry directly employed 93,330 people in 2019 with average annual earnings of \$86,501. Total jobs in the region (direct/indirect/induced) was 195,820 in 2019 and economic activity generated \$44.2B. While Pharmaceutical Manufacturing grew slightly in the region, the most notable growth was recorded in the Research and Laboratory Support cluster, and the Life Sciences Wholesale Trade sectors. The Medical Scientists occupation also grew strongly rising about 23% from 2014 to 2019. Although the region's Life Sciences clusters are still growing in competitiveness, the \$11.6 billion in Life Sciences exports from Los Angeles County firms in 2019, along with the fact that Los Angeles County received more NIH funding than any other county in California, proves that the industry remains a highly important economic driver for Los Angeles County.

Annual Economic Impact

	IMPACT
Economic Activity	\$44.2B
Market Value of Goods & Services	\$24.39B
Total Jobs (direct/indirect/induced)	195,820
Labor Income (salaries/wages/benefits paid)	\$14.28B

NIH Funding

California received more than \$4.59B in NIH funding in fiscal year 2019 with more than \$1.15B flowing to Los Angeles County's universities, labs and companies to support research in the life sciences industry. This is more than any other county in California and 25% of the total California NIH Awards.

Source: NIH (4/2020)

Subsector Employment & Establishments

	Employment in 2019	Establishments
BioRenewables Includes biofuels, specialty enzymes and chemicals, algae research, and key elements of agriculture.	694	50
Biopharmaceutical Manufacturing The production of medicines, botanicals, pharmaceuticals, in-vitro diagnostic substances, and biological products.	7,907	125
Medical Devices & Diagnostic Equip Laboratory equipment and supplies, optical instruments, electromedical apparatus, surgical and medical instruments, dental equipment and dental product producing laboratories.	12,578	469
Life Science Wholesale Wholesaling and distributing medical equipment and supplies, and the wholesaling of pharmaceuticals and related products.	14,427	1,217
Research & Lab Services R&D in biotechnology, related areas of nanotechnology, medical laboratories, and portions of industries representing testing laboratories, other R&D services, and higher education.	57,724	1,029

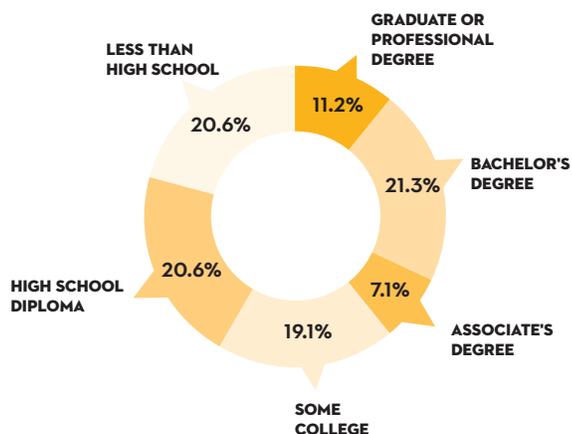
*Establishment refers to an individual facility/physical location. Some firms have multiple locations, which would each be counted separately.

For full report visit: www.biocom.org/eir

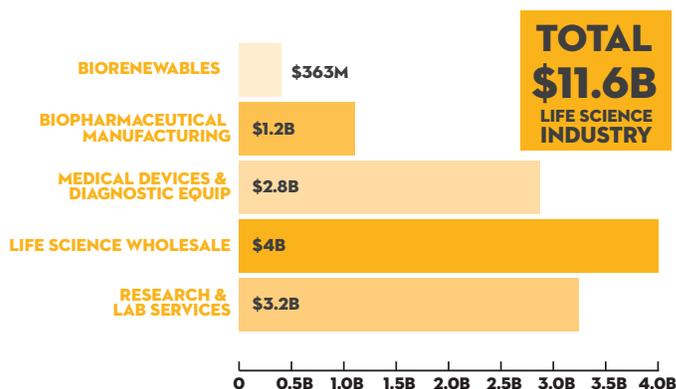
Subsector Average Wage

	BIORENEWABLES	BIOPHARMACEUTICAL MANUFACTURING	MEDICAL DEVICES & DIAGNOSTIC EQUIP	LIFE SCIENCE WHOLESALE	RESEARCH & LAB SERVICES	ALL LIFE SCIENCES
Los Angeles County	\$55,868	\$90,882	\$97,041	\$91,699	\$82,673	\$86,501

Educational Attainment



Foreign Exports of Life Science Products



Advocacy Roots

Biocom was founded 25 years ago to educate elected officials about water needs of the life science industry; constant, reliable access is necessary to carry out delicate research processes. We continue to advocate for dependable utility access, land use incentives, and consistent permitting processes for our members in Los Angeles. Our policy work in the region also includes advocacy for business tax relief, expanded transportation networks, and the building of middle-income housing, as these issues become increasingly more important for employee attraction and retention throughout the region.

Life Science Innovation Companies

Los Angeles County has 1,067 Life Science Innovation Companies.

	COMPANY COUNT
BioRenewables	3
Biopharmaceutical Manufacturing	116
Medical Devices & Diagnostic Equip	96
Research & Lab Services	852

Life Science Innovation Company refers to the unique company count in the most innovative sectors of the life science industry. These sectors include industrial biotechnology & biofuels, biopharmaceuticals, medical devices & diagnostics equipment, and research & lab services. This should not be confused with 'Establishments' which includes all physical locations of each company in the region in all industry subsectors. For more information, refer to Appendix 3 of Biocom's 2020 California Economic Impact Report Databook.

For full report visit: www.biocom.org/eir

Biocom is the leader and advocate for California's life science sector. We work on behalf of more than 1,300 members to drive public policy, build an enviable network of industry leaders, create access to capital, introduce cutting-edge STEM education programs, and create robust value-driven purchasing programs.

This is a condensed summary of Biocom's 2020 California Economic Impact Report produced by Biocom and Clower & Associates. For the full report please visit our website: www.biocom.org/eir

The 2020 Databook used the same industry and cluster categories as the 2019 Databook, however, comparisons with data from years before 2019 should be made with caution due to changes in industries definitions, analytical assumptions, and data sources. At the time this data is being prepared, the impact of the global pandemic of COVID-19 is unknown and we must caution readers to consider how current and near-term economic conditions may influence future industry growth.