



# 2019 CALIFORNIA ECONOMIC IMPACT REPORT **LOS ANGELES COUNTY**



## 190,974

Total jobs attributable  
to the Life Science industry  
in 2018. (direct/indirect/induced)



The Los Angeles County Life  
Science industry exported

## \$9 billion

in goods and services in 2018.



## 2,624

Life Science  
establishments

## THE IMPACT OF LIFE SCIENCE IN LOS ANGELES COUNTY

Los Angeles County's Life Science industry directly employed 91,713 people in 2018 with average annual earnings of \$83,449. Total jobs in the region (direct/indirect/induced) was 190,974 in 2018 and economic activity generated \$42.5B. Employment in the Research & Lab Services subsector experienced the most growth in the region, with an increase of 11% from 2013 to 2018, likely as a result of Los Angeles County receiving more NIH funding each year than any other county in California. While more geographically dispersed as a cluster than San Diego County or the Bay Area, the Life Science industry remains a highly important economic engine for Los Angeles County.



### Annual Economic Impact

	IMPACT
Economic Activity	\$42.5B
Market Value of Goods & Services	\$23.5B
Total Jobs (direct/indirect/induced)	190,974
Labor Income (salaries/wages/benefits paid)	\$13.8B



### NIH Funding

California received more than \$4.2B in NIH funding in fiscal year 2018 with \$1.1B 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 more than 25% of the total California NIH Awards.

Source: NIH (4/12/2019)



### Subsector Employment & Establishments

	Employment in 2018	Establishments
<b>BioRenewables</b> Includes biofuels, specialty enzymes and chemicals, algae research, and key elements of agriculture	830	48
<b>Biopharmaceutical Manufacturing</b> The production of medicines, botanicals, pharmaceuticals, in-vitro diagnostic substances, and biological products.	7,750	107
<b>Medical Devices &amp; Diagnostic Equip</b> Laboratory equipment and supplies, optical instruments, electromedical apparatus, surgical and medical instruments, and dental equipment.	12,690	456
<b>Life Science Wholesale</b> Wholesaling and distributing medical equipment and supplies and the wholesaling of pharmaceuticals and related products.	13,821	1084
<b>Research &amp; Lab Services</b> R&D in biotechnology, related areas of nanotechnology, medical laboratories, and portions of industries representing testing laboratories, other R&D services, and higher education.	56,622	930

'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](http://www.biocom.org/eir)

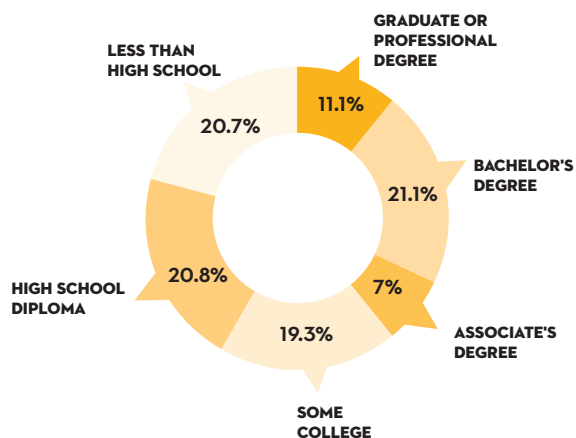


## Subsector Average Wage

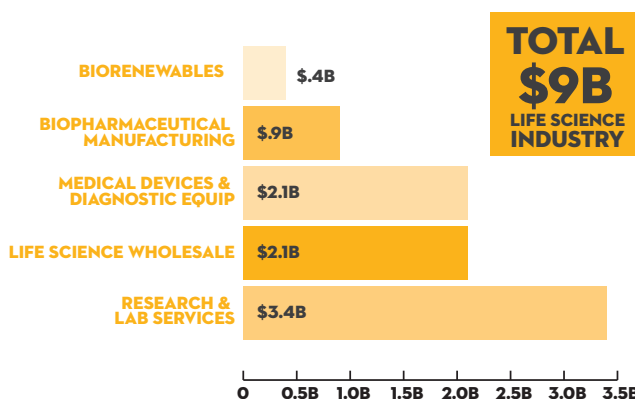
	BIORENEWABLES	BIOPHARMACEUTICAL MANUFACTURING	MEDICAL DEVICES & DIAGNOSTIC EQUIP	LIFE SCIENCE WHOLESALE	RESEARCH & LAB SERVICES	ALL LIFE SCIENCES
Los Angeles County	\$51,067	\$86,295	\$94,097	\$89,469	\$82,747	\$83,449



## Educational Attainment



## Foreign Exports of Life Science Products



## Strength in Clinical Trials

Los Angeles' large number of cancer centers, universities, hospitals, and clinics are turning research into cures – more clinical trials are conducted in LA County than California's other life science clusters (Source: [www.clinicaltrials.gov](http://www.clinicaltrials.gov)). Beyond the often profound value to society created by medicines themselves, the major resource investments required to identify clinical trial sites; hire staff and contractors; recruit, retain, and treat patients; and conduct various other trial activities at the clinical site level create significant value for local communities.

Sponsored By:



## Lifes Science Innovation Companies

Los Angeles County has 1,012 Life Science Innovation Companies.

	COMPANY COUNT
BioRenewables	6
Biopharmaceutical Manufacturing	113
Medical Devices & Diagnostic Equip	106
Research & Development	787

'Life Science Innovation Company' refers to companies in a subset of industry subsectors encompassing those who are doing work at the cutting edge of our industry (see full list of subsectors in Appendix 3 of Biocom's 2019 California Economic Impact Report Databook). This should not be confused with 'Establishments,' which includes all physical locations of each company in the region in all industry subsectors.

**Biocom** is the largest, most experienced leader and advocate for California's life science sector. We work on behalf of more than 1,200 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 the Biocom's 2019 California Economic Impact Report produced by Biocom and TClower & Associates. Note that as a result of the structural changes in our industry definitions/NAICS codes, the data and analysis in this edition of the Biocom California Life Science Economic Impact Report should not be compared to previous editions.

