

# LIFE SCIENCES AND HEALTHCARE INDUSTRY OVERVIEW



PHOTO CREDIT: DANIEL WALLACE, TAMPA GENERAL HOSPITAL

**Tampa Bay has emerged as a driving force behind the state's fast-growing life sciences industry, which includes 5,400+ companies supporting 80,000 jobs. Over the next five years, the life sciences and healthcare industries will see a combined projected growth of more than 20% in Hillsborough County.**

Over the past decade, a biotech cluster has formed in Tampa Bay with the recruitment of globally renowned companies, such as Amgen, Bristol Myers Squibb, Johnson & Johnson, and Pfizer, choosing Hillsborough County as sites for major global capability hubs. The area has also attracted medical research and life sciences companies like Axogen, Morphogenesis, and Vycellix, which are producing innovative solutions and developing cutting-edge therapies to treat various diseases. These companies join a stellar list of life sciences companies already in the area with specialties ranging from global operations, R&D, and advanced manufacturing.

Hillsborough County has premier healthcare facilities, from Tampa General Hospital to Moffitt Cancer Center, and talent development centers at USF Health Morsani College of Medicine and USF Health Center for Advanced Medical Learning and Simulation (CAMLs), University of Tampa College for Natural & Health Sciences, Hillsborough Community College Health Sciences and Nursing programs, and Ultimate Medical Academy.

Strong partnerships between local institutions and global companies are advancing the fast-growing healthcare and biotech presence in Tampa.

**“It was important for us to choose a place where we could find talent or easily attract talent from other leading markets. We needed to recruit people to a destination with an urban lifestyle, but also the classic live, work, play near where you work. We did a nationwide search and narrowed it down to a short list and Tampa just hit all the marks.”**

– Karen Zaderej, CEO, Axogen

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## TAMPA BAY'S LEADING LIFE SCIENCE COMPANIES:

AMGEN

Bristol Myers Squibb

Johnson & Johnson LifeLink  
Foundation, Inc.

Lions Eye Institute  
FOR TRANSPLANT & RESEARCH

MOFFITT  
CANCER CENTER Pfizer

- Avalon Healthcare Solutions
- Axogen
- Bausch + Lomb
- Florida Blue
- M2Gen
- MHK
- Morphogenesis
- Quest Diagnostics
- Ultimate Medical Academy
- Vycellix

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## TAMPA MSA

**ESTABLISHMENTS: 1,596**

NAICS	Life Sciences Industry Sectors	TAMPA MSA
32541	Pharmaceutical and Medicine Manufacturing	159
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	180
33911	Medical Equipment and Supplies Manufacturing	298
54138	Testing Laboratories	427
54171	Research and Development in the Physical, Engineering, and Life Sciences	248
62151	Medical and Diagnostic Laboratories	284
<b>TOTAL</b>		<b>1,596</b>

Source: D&B Hoovers March 2022

## # EMPLOYED BY OCCUPATION

## AVERAGE WAGES BY OCCUPATION

SOC	Life Sciences Occupations	Tampa MSA	FLORIDA	AVERAGE WAGES BY OCCUPATION	
				TAMPA MSA	USA
15-2040	Statisticians	304	1,823	\$89,900 \$97,200	
17-2030	Bioengineers and Biomedical Engineers	206	1,047	\$96,100 \$98,300	
17-2040	Chemical Engineers	72	480	\$82,600 \$114,800	
17-2110	Industrial Engineers, Including Health and Safety	2,066	12,492	\$86,400 \$93,900	
19-1020	Biological Scientists	646	4,363	\$70,600 \$92,100	
19-1040	Medical Scientists	921	5,095	\$89,800 \$100,800	
19-2030	Chemists and Materials Scientists	462	2,671	\$68,900 \$87,800	
19-4030	Chemical Technicians	384	2,348	\$49,000 \$53,700	
29-2010	Clinical Laboratory Technologists and Technicians	3,923	22,506	\$48,500 \$56,000	
29-2030	Diagnostic Related Technologists and Technicians	4,805	29,411	\$62,200 \$68,700	
29-2050	Health Practitioner Support Technologists and Technicians	9,437	61,591	\$36,500 \$39,000	
<b>TOTAL EMPLOYED</b>		<b>23,226</b>	<b>143,828</b>	<b>AVERAGE WAGES</b> \$70,955 \$82,027	

Source: Chmura JobsEQ Q3 2021 | Employment and Average Wages Per Worker

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# EMPLOYED BY INDUSTRY				AVERAGE WAGES BY INDUSTRY	
NAICS	Life Sciences Industry Sectors	Tampa MSA	FLORIDA		
				TAMPA MSA	USA
32541	Pharmaceutical and Medicine Manufacturing	2,646	9,648	\$68,773 \$124,957	
33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	3,604	17,996	\$85,767 \$114,175	
33911	Medical Equipment and Supplies Manufacturing	4,729	21,836	\$70,563 \$80,564	
54138	Testing Laboratories	904	6,132	\$58,911 \$85,187	
54171	Research and Development in the Physical, Engineering, and Life Sciences	4,303	20,531	\$80,694 \$163,666	
62151	Medical and Diagnostic Laboratories	5,109	25,449	\$63,274 \$75,243	
<b>TOTAL EMPLOYED</b>		<b>21,296</b>	<b>101,593</b>	<b>AVERAGE WAGES</b> \$71,330 \$107,298	

Source: Chmura JobsEQ Q3 2020 | Employment and Average Wages Per Worker

LIFE SCIENCES RELATED DEGREES					
PROGRAMS AND OCCUPATIONS	DEGREE LEVEL	TAMPA MSA		FLORIDA	
		2016-2020 5-Year Total	5-Year % Growth	2016-2020 5-Year Total	5-Year % Growth
Mathematics and Statistics	Bachelor's	447		3,404	
	Master's	121		1,456	
<b>TOTAL</b>		<b>568</b>	<b>67.8%</b>	<b>4,860</b>	<b>41.8%</b>
Engineering	Bachelor's	3,096		27,525	
	Master's	1,655		10,446	
<b>TOTAL</b>		<b>4,751</b>	<b>30.7%</b>	<b>37,971</b>	<b>15.5%</b>
Biological and Biomedical Sciences	Bachelor's	7,128		33,986	
	Master's	1,541		5,307	
<b>TOTAL</b>		<b>8,669</b>	<b>16.9%</b>	<b>39,293</b>	<b>14.9%</b>
Physical Sciences	Bachelor's	826		5,268	
	Master's	152		1,208	
<b>TOTAL</b>		<b>978</b>	<b>0.5%</b>	<b>6,476</b>	<b>3.6%</b>
Health Professions and Related Programs	Bachelor's	13,309		73,213	
	Master's	5,010		31,798	
<b>TOTAL</b>		<b>18,319</b>	<b>6.7%</b>	<b>105,011</b>	<b>22.8%</b>

Source: Chmura JobsEQ

**#1 State for higher education**

- U.S. News and World Report

**#2 Best State for Business**

- Chief Executive Magazine

**#4 State best business tax climate**

- Tax Foundation



**The USF Health Morsani College of Medicine and Heart Institute** moved to downtown Tampa

in 2020, bringing approximately 1,800 students, faculty and staff to live, work and study along the downtown waterfront as a key anchor at Water Street Tampa. The USF Health Taneja College of Pharmacy will start classes there in fall 2021. Being located within a mile of its primary teaching hospital Tampa General Hospital, USF attracts the brightest students and faculty.

The downtown location has already yielded positive impacts on recruiting top-tier students. USF has become the most selective medical school in Florida, with applications rising 40% since the 2014 announcement of the downtown move. With more than 30 applicants vying for each seat in the MD program, incoming student credentials have skyrocketed, and the MCAT scores for the past four entering classes were in the top 10% of all U.S. medical schools.

In addition to training students for exciting careers as MDs, pharmacists, physician assistants, and physical therapists, USF Health offers degree and certificate programs in the fast-growing fields of healthcare informatics and healthcare analytics, which are shaping the way healthcare is delivered in the United States.



**The University of South Florida's Center for Advanced Medical Learning and Simulation (CAMLs)** is one of the world's

largest, free-standing simulation facilities exclusively dedicated to training healthcare professionals. CAMLS provides simulation experiences for educating students; training health care faculty in simulation education; and preparing health care professionals to acquire, maintain and enhance their clinical practice to meet today's workforce needs and improve patient care in Tampa Bay, Florida and around the globe. The 90,000-square-foot facility is located in the heart of downtown Tampa and provides a state-of-the-art, high-fidelity clinical environment with 60,000 square feet dedicated to surgical skills labs, operating trauma suites, and patient exam rooms, plus more than 25,000 square feet of meeting and conference space.



**The College of Natural and Health Sciences** offers rigorous, high quality curricula designed to prepare students for the challenges and opportunities that exist while pursuing a career in the sciences, health care or sport studies. The college offers academic programs in biology, chemistry and physics,

health sciences and human performance, nursing, physician assistant medicine, and sport management.



**Ultimate Medical Academy** is a nonprofit healthcare educational institution that has offered comprehensive, accredited healthcare education for more than 25 years. Whether on the clinical side or back office operations, UMA offers numerous degree programs for students who want to start a rewarding career in the fast-growing healthcare field. In-person classes teach students how to provide compassionate care as a medical assistant, nursing assistant and patient care technician. Online learning programs prepare students to enter the emerging area of health tech with degrees in healthcare accounting, health information technology and healthcare management.



**Hillsborough Community College**

**HCC** offers a multitude of paths to helping others through its health sciences programs. Students can earn a degree or certificate in a variety of fields including diagnostics, emergency medicine, clinical research and laboratory tech, nursing, pharmacy, respiratory care and surgical technology.



**Through a growing number** of degree programs at the new College of Health Professions, health-minded students can earn a degree that prepares them for a variety of roles in health care fields that impact the health and well-being of our communities. St. Leo's interdisciplinary curriculum offers undergraduate students the flexibility they need to explore different degree programs within the health profession before choosing their career path. Bachelor's degrees in nursing, respiratory therapy, and health education & health promotion are available.

## PIONEERING PARTNERSHIPS AND INNOVATION

The new state-of-the-art **USF Morsani College of Medicine** and **Microsoft** have created the first-ever Medical School of Innovation where advanced Microsoft technology has been integrated into the College.

**Tampa General Hospital-USF Health Office of Clinical Research** will bolster research, improve patient care, and expand and strengthen jointly conducted clinical trials.

**Tampa General Hospital** and **GE Healthcare** launched **CareComm** command center using AI application to help optimize patient care with real-time actionable information.

**Tampa General Hospital** has created **InnoVentures**, a venture capital fund dedicated to driving a culture of innovation across the region's leading academic medical center through the support of early-stage startups and direct investments in healthcare companies.



**In early 2017**, AMGEN announced plans to locate its Capability Center in Tampa, adding 450 new jobs. The global biotechnology leader occupies 136,000 square feet in the Westshore district.



**JOHNSON & JOHNSON** opened its North American shared services headquarters in Tampa in 2016, creating 500 new high wage jobs. The shared services HQ is designed to handle work in the areas of finance, human resources, IT, and procurement.



**BRISTOL MYERS SQUIBB** decided to locate its North America Capability Center in Tampa in 2013, opening the center one year later with 250 employees. They went on to add up to 325 additional jobs to support scientific and technical activities by the life sciences giant.



**The top cancer hospital** in Florida and one of only 41 National Cancer Institute-designated Comprehensive Cancer Centers MOFFITT CANCER CENTER is approaching cancer treatment differently. Its Total Cancer Care model combines elements of personalized medicine and access to clinical trials with traditional care.



**A spin-off of Moffitt Cancer Center**, M2GEN delivers health informatics solutions to predict and meet patient needs. M2GEN led creation of the world's largest repository of cancer-focused clinical and molecular data.



**Located downtown**, the CENTER FOR ADVANCED MEDICAL LEARNING AND SIMULATION (CAMLS) is on the fast track for becoming a national model for improving medical training and patient safety through the use of technology.



**In 2021, Pfizer**, one of the world's premier biopharmaceutical companies, announced plans to open a global capability in hub. The new facility is located just north of downtown Tampa in Heights Union and brings together multi-disciplinary, professional services, such as finance, human resources, digital, and sourcing.