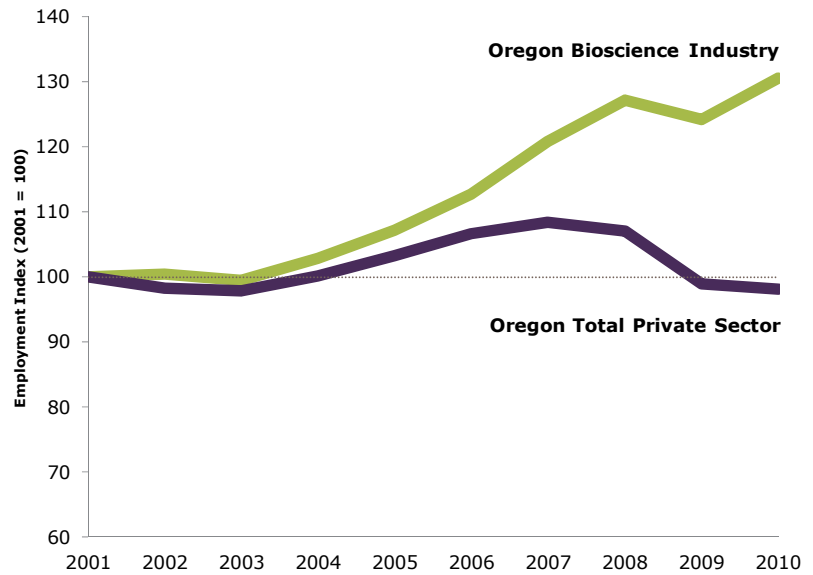




**OREGON** • Oregon's bioscience industry is sizable and growing at a rapid rate. Over the decade, the state increased employment in the biosciences by nearly 31 percent and maintained a growth trajectory even during the later, more difficult economic period of 2007 through 2010 (up 8 percent). Though Oregon does not have a specialized employment concentration in any one subsector, it is clearly emerging in each of the five major components with strong overall job gains since 2001 in each.



**Bioscience Employment Tier**



**Summary of State Performance in Industry Related Metrics**

Metrics	Oregon	United States	Rank*
<b>Bioscience Industry, 2010</b>			
Total Bioscience Industry Employment	13,423	1,605,533	III
Bioscience Industry Location Quotient	0.68	n/a	IV
Biosciences Industry Establishments	762	70,006	III

\*State ranking figures for bioscience industry employment metrics are calculated as quintiles (I=Top Quintile; V=Bottom Quintile).

## Bioscience Industry Base, 2010

### Oregon Highlights:

INDUSTRY SUBSECTOR	Oregon			United States		
	2010	2001-10 Change	2007-10 Change	2010	2001-10 Change	2007-10 Change
<b>AGRICULTURAL FEEDSTOCK &amp; CHEMICALS</b>						
Establishments	32	70.3%	6.7%	1,760	2.2%	4.5%
Employment	483	67.4%	-13.8%	72,988	-5.9%	-5.5%
Location Quotient	0.54			n/a		
Direct-Effect Employment Multiplier	4.7			5.6		
Total Employment Impact	2,261			405,197		
Average Annual Wage (constant 2010 dollars)	\$54,743	13.3%	4.6%	\$70,869	8.7%	1.5%
<b>DRUGS &amp; PHARMACEUTICALS</b>						
Establishments	36	-5.3%	0.0%	2,908	11.3%	6.5%
Employment	873	14.1%	9.7%	296,759	-3.1%	-7.0%
Location Quotient	0.24			n/a		
Direct-Effect Employment Multiplier	2.9			5.3		
Total Employment Impact	2,548			1,464,492		
Average Annual Wage (constant 2010 dollars)	\$46,338	-5.4%	16.2%	\$99,486	15.3%	1.1%
<b>MEDICAL DEVICES &amp; EQUIPMENT</b>						
Establishments	112	9.8%	3.7%	6,957	11.7%	7.7%
Employment	3,962	31.3%	-3.0%	343,468	-0.3%	-0.8%
Location Quotient	0.94			n/a		
Direct-Effect Employment Multiplier	2.7			2.9		
Total Employment Impact	10,530			956,767		
Average Annual Wage (constant 2010 dollars)	\$57,483	9.8%	-12.2%	\$72,301	13.9%	1.0%
<b>RESEARCH, TESTING, &amp; MEDICAL LABORATORIES</b>						
Establishments	238	32.5%	18.6%	22,212	48.9%	20.1%
Employment	3,659	53.0%	29.6%	451,923	23.8%	6.1%
Location Quotient	0.66			n/a		
Direct-Effect Employment Multiplier	2.3			2.6		
Total Employment Impact	8,413			1,178,741		
Average Annual Wage (constant 2010 dollars)	\$64,039	7.7%	-4.6%	\$84,065	12.3%	1.5%
<b>BIOSCIENCE-RELATED DISTRIBUTION</b>						
Establishments	344	0.2%	0.4%	36,170	-1.1%	-0.3%
Employment	4,446	16.5%	7.0%	440,394	6.0%	-4.2%
Location Quotient	0.82			n/a		
Direct-Effect Employment Multiplier	2.5			2.4		
Total Employment Impact Multiplier	11,027			1,046,594		
Average Annual Wage (constant 2010 dollars)	\$53,673	5.2%	7.4%	\$80,049	12.2%	-0.4%
<b>TOTAL BIOSCIENCE INDUSTRY</b>						
Establishments	762	11.8%	6.2%	70,006	12.8%	6.7%
Employment	13,423	30.6%	8.1%	1,605,533	6.4%	-1.4%
Location Quotient	0.68			n/a		
Direct-Effect Employment Multiplier	2.6			3.2		
Total Employment Impact	34,779			5,051,791		
Average Annual Wage (constant 2010 dollars)	\$57,185	7.6%	-2.1%	\$82,697	13.1%	0.6%
<b>TOTAL PRIVATE SECTOR</b>						
Establishments	123,153	12.2%	-1.9%	8,752,494	12.5%	0.1%
Employment	1,318,305	-1.9%	-9.5%	106,863,403	-2.9%	-6.9%
Average Annual Wage (constant 2010 dollars)	\$40,981	1.6%	-0.6%	\$46,317	4.4%	-0.4%

**Note:** U.S. employment metrics include Puerto Rico. Estimates of total employment impacts do not include Puerto Rico.

**Employment, Establishment, and Wage Data:** U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW); enhanced file from IMPLAN.

**Employment Multipliers:** U.S. Bureau of Economic Analysis RIMS II Employment Multipliers, 2008 (most current available).