



So....What is this Life Science / BioScience Industry?

Biotech / Biomed
Pharmaceuticals
Digital Health
EMR / EHR
AgBIO
Clinical Laboratories



The Industry & The Innovation Supporting Quality Healthcare



Industry Breakdown by Field:

Figure 1. Revised Definition of the Bioscience Industry

AGRICULTURAL FEEDSTOCK & CHEMICALS

- Processing of Agricultural Feedstock for Bio-based Products
- Organic & Agricultural Chemicals including Biofuels

DRUGS & PHARMECEUTICALS

- •Pharmaceutical Preparation & Mfg
- Diagnostic Substances
- Biopharmaceuticals
- Vaccines

MEDICAL DEVICES & EQUIPMENT

- Biomedical Instruments
- •Electromedical Equipment & Devices
- •Healthcare Products & Supplies
- Lab Instrumentation

RESEARCH, TESTING & MEDICAL LABS

- Biotech & Other Life
 Sciences R&D
- •Testing Labs
- •Medical Labs

BIOSCIENCE-RELATED DISTRIBUTION

Distribution of:

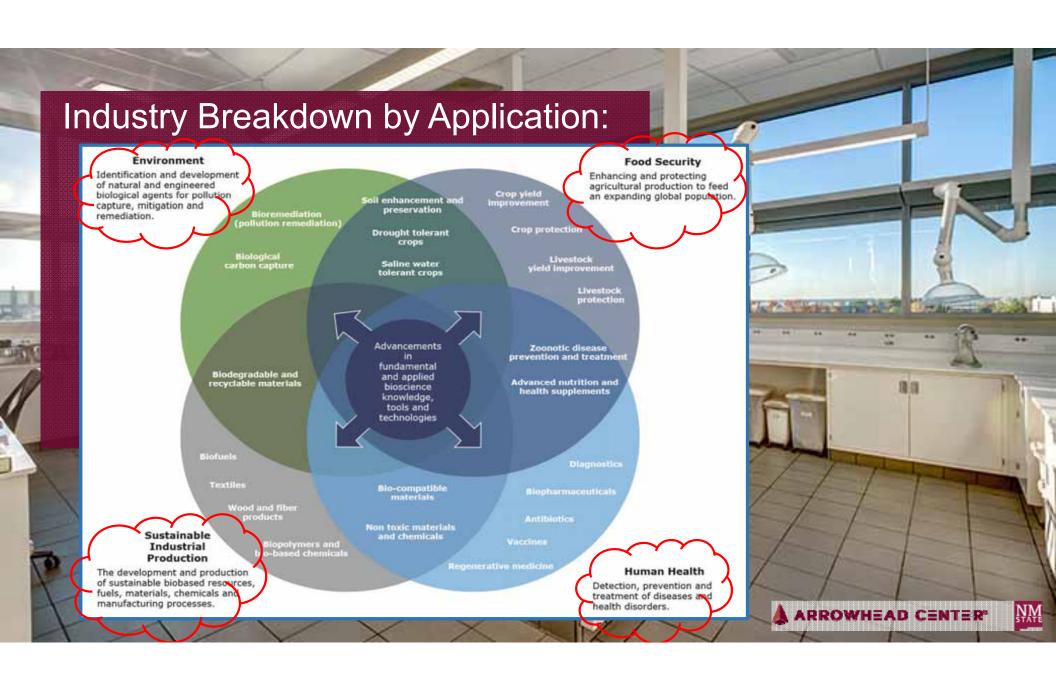
- Agricultural Chemicals &
 Seeds
- •Biomedical Equipment & Supplies
- Drugs & Pharmaceuticals

Original Core Definition

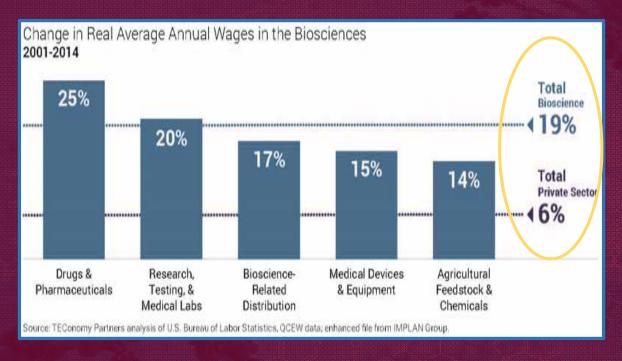
New Addition







BioScience Industry Data 2001-2014



Average Annual Wages for Selected Industries in the U.S.

2014

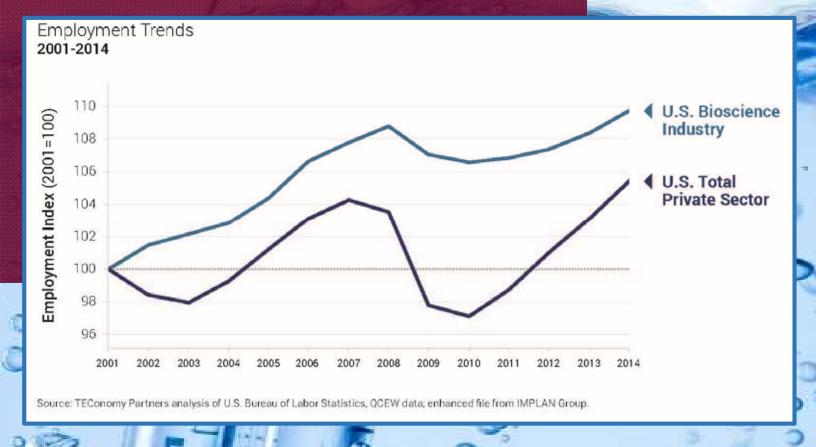
Employment Sector	Average Annual Wage
Drugs & Pharmaceuticals	\$117,524
Research, Testing, & Medical Labs	\$97,485
Finance & Insurance	\$97,373
Total Biosciences	\$94,543
Information	\$90,804
Bioscience-Related Distribution	\$90,458
Professional & Technical Services	\$86,391
Agricultural Feedstock & Chemicals	\$80,540
Medical Devices & Equipment	\$79,537
Manufacturing	\$62,977
Construction	\$55,040
Real Estate & Rental & Leasing	\$51,808
Total Private Sector	\$51,148
Transportation & Warehousing	\$48,720
Health Care & Social Assistance	\$45,859
Retail Trade	\$28,743
C	ALC: NO SECURITION

Source: TEConomy Partners analysis of U.S. Bureau of Labor Statistics, QCEW data; enhanced file from IMPLAN Group.





BioScience Industry Resilience







How Does NM Stack Up Nationally?



Economic Opportunity:

Growing Industry and Demand for Qualified Employees
Higher Wages - Higher Average Growth Rates - More Resilient







A Present and Growing Foundation.....

- NMSU / DACC have over 40 Life Science-related programs
 - >> \$40 M Research
- > Burrell College of Osteopathic Medicine Open August 2016
- > Arrowhead Park HS Medical Academy Opened July 2014
- > 170 Life Science-Related Jobs, 6 Employers (> 60%)
- > Average Park Life Sciences wage estimated at \$69,000
- > 13 Startups Currently Incubating at Arrowhead Center





Next Steps

Intensify Efforts to Grow Life Science Sector

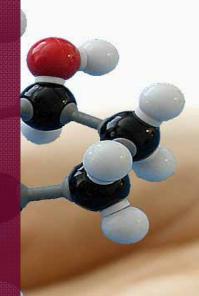
- > Local, Regional Strategic Action Plans
- > Encourage and Facilitate Research Collaborations
- Regional Promotion and Attraction Targeting Life Sciences Sector

Develop Around Our Uniqueness

- Rural and Border Needs Healthcare Data, Diagnostics, Education
- > Cross-Border Research, Clinical Trials, Design & Manufacturing
- ➤ Innovate Around Cutting Edge Technologies
 - > Virtual / Augmented Reality, BioInformatics, Imaging, 3D-Printing

Grow Funding Sources to Support Technology Commercialization

> Attracting and Incentivizing New Entrepreneurs





Cluster Startups / Technologies

A Partial Current Listing......

- VR-based Pain Management
- Oxygen Delivery Hydro-Filter
- > Telemedicine for Rural NM Medicine/Mexico
- > DNA Lab Management Software...International Sales
- Non-Invasive Concussion Detection Device
- Non-Invasive Glucose Detection
- Decision Support Software for Medicare/Medicaid Enrollment
- > Implantable Electric Bone Growth Stimulator
- Mosquito Repellent Band (24 hr)





