Biostatistics Salary Levels

<table>
<thead>
<tr>
<th>Salary Range</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>150,000 and above</td>
<td>0%</td>
</tr>
<tr>
<td>125,000 – 149,999</td>
<td>0%</td>
</tr>
<tr>
<td>100,000 – 124,999</td>
<td>4%</td>
</tr>
<tr>
<td>90,000 – 99,999</td>
<td>0%</td>
</tr>
<tr>
<td>80,000 – 89,999</td>
<td>17%</td>
</tr>
<tr>
<td>70,000 – 79,999</td>
<td>13%</td>
</tr>
<tr>
<td>60,000 – 69,999</td>
<td>39%</td>
</tr>
<tr>
<td>50,000 – 59,999</td>
<td>17%</td>
</tr>
<tr>
<td>40,000 – 49,999</td>
<td>4%</td>
</tr>
<tr>
<td>30,000 – 39,999</td>
<td>0%</td>
</tr>
<tr>
<td>20,000 – 29,999</td>
<td>4%</td>
</tr>
<tr>
<td>10,000 – 19,999</td>
<td>0%</td>
</tr>
<tr>
<td>Less than 10,000</td>
<td>0%</td>
</tr>
</tbody>
</table>

The above charts pertain to recent graduates between 2008 – 2011 (Career Survey Data)

JOB OUTLOOK

- About 30 percent of statisticians work for Federal, State, and local governments; private-industry employers include scientific research and development services, insurance carriers, and pharmaceutical and medicine manufacturing.
- The use of statistics is widespread and growing. Statistical models aid in decision making in both private industry and government. There will always be a demand for the skills statisticians provide. Technological advances are expected to spur demand for statisticians. Ever-faster computer processing allows statisticians to analyze greater amounts of data much more quickly and to gather and sort through large amounts of data that would not have been analyzed in the past. As data processing continues to become more efficient and less expensive, an increasing number of employers will want to employ statisticians to take advantage of the new information available.
- Biostatisticians should experience employment growth, primarily because of the growing pharmaceuticals business. As pharmaceutical companies develop new treatments and medical technologies, biostatisticians will be needed to do research and clinical trials.
- Skills/Abilities: Mathematics; Critical Thinking; Complex Problem Solving; Judgment and Decision Making; Science; Written and Oral Communication; Reading Comprehension; Active Learning and Listening; Programming; Mathematical, Deductive and Inductive Reasoning; Information Ordering; Analytical; Data Interpretation; Creativity
- Median wages (2010): $35.02 hourly, $72,830 annual
- Employment (2008): 23,000 employees
- Projected growth (2008-2018): - Average (7% to 13%)
- Projected job openings (2008-2018): 9,600
- Top Industries (2008): Government; Professional, Scientific and Technical Services

Data Sources: Occupational Outlook Handbook (US Dept. of Labor), SPH Career Survey, SPH Jobs Database
### POSITIONS BY ORGANIZATION TYPE

| Association | 0% |
| Community-based Organization | 0% |
| Consulting – Independent | 0% |
| Consulting Firm | 0% |
| Federal Agency | 0% |
| Foundation | 8% |
| Hospital/Clinic | 13% |
| Industrial | 4% |
| Insurance | 0% |
| Local Agency | 0% |
| Military | 0% |
| Other | 4% |
| Pharmaceutical/Biotech/Medical Device | 13% |
| State Agency | 0% |
| University/College | 58% |

*The above charts pertain to recent graduates between 2008 – 2011 (Career Survey Data)*

### JOB TITLES

**Assistant/Associate Professor**  
Diet Design & Formulation Scientist  
Biostatistician  

**Clinical Data Analyst**  
CDC/CSTE Applied Epidemiology Fellow  
Data Manager  

**Epidemiology Evaluator**  
Health Services Researcher – Informatics  
Epidemiologist  

**Biostatistics Manager**  
Health Policy Fellow  
Outcomes Researcher  

**Principal Statistician**  
Programmer Analyst (Biostatistics)  
Program Evaluator  

**Research Scientist I, II, III**  
Research Informatics Analyst  
Research Assistant  

**Statistical Analyst**  
Student Worker Paraprofessional  
Statistician  

**Population Health Fellow**  
Wellness Program Analyst  

### EMPLOYERS

**A&L Management Co.**  
Allina Hospitals and Clinics  
Boston Scientific  

**Center for Disease Control**  
Center for Health Care Research and Policy  
Exponent  

**Essentia Institute of Rural Health**  
Council of ST and Territorial Epidemiologists  
Eisai Medical Research  

**Food and Drug Administration**  
Div. of Epidemiology & Comm. Health, UMN  
Ev3, Inc.  

**Hennepin County, MN**  
Kansas Dept. of Health & Environment  
Johns Hopkins University  

**Libra Medical, Inc.**  
MedImmune  
Medtronic  

**Milwaukee Health Department**  
Minnesota Dept. of Human Services  
Minnesota Dept. Health  

**National Center for Health Statistics**  
Navy & Marine Corps Public Health Center  
Sanford Health  

**National Marrow Donor Program**  
Oak Ridge Inst. for Science and Education  
St. Jude Medical  

**National Center for Health Statistics**  
University of Mississippi Medical Center  
World Health Organization  

**Professional Data Analysts, Inc.**  
University of Texas Medical Branch  
Vertex Pharmaceuticals  

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*Data Sources: Occupational Outlook Handbook (US Dept. of Labor), SPH Career Survey, SPH Jobs Database*
PROFESSIONAL ASSOCIATIONS

General
- American Public Health Association (APHA) – http://www.apha.org
- Minnesota Public Health Association (MPHA) – http://www.mpha.net
- Association of Schools of Public Health (ASPH) – http://www.asph.org
- American Society of Tropical Medicine and Hygiene (ASTMH) – http://www.astmh.org
- Association of State and Territorial Health Officials (ASTHO) – http://www.astho.org
- Carter Center - http://www.cartercenter.org/index.html
- National Association of Local Boards of Health (NALBOH) - http://www.nalboh.org/
- Pan American Health Organization (PAHO) - http://new.paho.org/
- Public Health Foundation (PHF) – http://www.phf.org
- Public Health Laboratory Service (United Kingdom) - http://www.phls.co.uk/
- World Health Organization (WHO) - http://www.who.int/en/

Biostatistics
- International Biometric Society - http://www.biometricssociety.org/
- National Association of Health Data Organizations - https://www.nahdo.org/