## Annual Surveys

## Association of Chairs of Departments of Physiology 2017 Survey Results

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The Association of Chairs of Departments of Physiology (ACDP) annual survey was sent electronically to 201 physiology or physiology-related departments throughout the U.S., Canada, Mexico, and Puerto Rico. A total of 60 partial or complete surveys were returned, for a response rate of $29 \%$. This rate is higher than last year's response rate of $25 \%$. Of the 60 surveys received, there were 14 private and 44 public medical schools, and 1 private and 1 public non-medical school. We continue to encourage more of our colleagues to respond so that we can have more robust data that will benefit all.

These data provide the reader with general trends of faculty demographics and distribution, overall departmental budgets, and space available for research. As a reminder, beginning in 2004, ACDP decided not to include faculty salary information in this report. AAMC salary data is more generally used, so the ACDP Council decided to no longer collect or report these data.

Data were collected on title, years in position, tenure status, gender, and ethnicity / race of faculty members (Table 1). Table 2 contains information on the average number of student contact hours for faculty in the lab, classroom, and small discussion groups and the type of teaching interactions for the department (MD/DO, DVM, allied health, etc.). Also included is information on the type of medical physiology course being taught (note that departments teach multiple class types, accounting for the fact that the numbers do not add up to the total respondents).

Table 3 focuses on student/trainee information. Information is included on the gender and number of U.S. citizen/resident alien vs. foreign pre- and postdoctoral students, gender and ethnicity of the U.S. citizen/resident alien predoctoral and postdoctoral fellows, and gender and country of origin of the foreign predoctoral and postdoctoral fellows. Also shown are the number of predoctoral trainee completions by gender, the number of U.S. citizen/resident alien postdoctoral completions by gender and ethnicity, and the number of foreign postdoctoral completions by gender and country of origin. The type of support that is used for foreign pre-

## Table 1a.

Faculty Summary Based on Position ( $n=945$ )

|  | Male |  | Female |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. | Average <br> No. Years in <br> Position | No. | Average <br> No. Years in <br> Position | Gender Not <br> Given | Total <br> Number | Total <br> Average <br> No. Years in <br> Position |
| Chair | 39 | 14.4 | 9 | 8.4 | 1 | 49 | 13.1 |
| Professor | 319 | 15.2 | 93 | 11.5 |  | 412 | 14.4 |
| Assistant Professor | 125 | 5.4 | 60 | 4.1 |  | 185 | 5 |
| Associate Professor | 171 | 8.2 | 68 | 6.7 |  | 239 | 7.8 |
| Instructor | 27 | 6 | 27 | 7 |  | 54 | 6.5 |
| Rank not given | 4 | 9.8 | 2 | 4.5 |  | $\mathbf{6}$ | $\mathbf{8}$ |
| Total | $\mathbf{6 8 5}$ |  | $\mathbf{2 5 9}$ |  | $\mathbf{1}$ | $\mathbf{9 4 5}$ |  |

and postdoctoral students is included, as are the average stipends paid to all pre- and postdoctoral students by the departments. For faculty reported ( $n=49$ ), an average of $54 \%$ ( $\mathrm{SD}=22 \%$ ) of the faculty had either graduate students or postdoctoral fellows in their laboratories.

Institutional information is provided in Table 4 in terms of the type of institution (public or private) and the average square footage of space occupied by the departments for research, teaching, administration, and other purposes.

Departmental budget information (Table 5) shows average dollar amounts for type of support (institutional

## Table 1b.

| Faculty Summary Based on Race and Ethnicity ( $\boldsymbol{n = 9 4 5 )}$ |  |  |  |
| :--- | ---: | ---: | ---: |
|  | Male | Female | Total |
| Asian/Pacific Islander | 111 | 43 | 154 |
| Black (not Hispanic) | 8 | 1 | 9 |
| Hispanic | 32 | 16 | 48 |
| Native American | 0 | 1 | 1 |
| White (not Hispanic) | 499 | 189 | 688 |
| Foreign National | 35 | 10 | 45 |
| Total | $\mathbf{6 8 5}$ | $\mathbf{2 6 0}$ | $\mathbf{9 4 5}$ |

hard money, research grants, training grants, endowments, indirect cost recovery). Numbers for all departments are reported, as are the data broken out by public medical and private medical schools. Because only two non-medical departments reported, those data were not reported separately but are included in the combined data. Financial information is also given, including fringe benefit rate, federally negotiated indirect cost rates for both on and off campus, allocated salary dollars from grants directly returned to the departments, percentage of indirect costs returned to the departments, percentage of total faculty salaries derived from research grants, and percentage of faculty having extramural research funding greater than $\$ 100,000 / \mathrm{yr}$.

Table 6 ranks responding departments according to their total dollars (institutional hard money, research grants, etc.), research grant dollars (direct or direct plus indirect, as appropriate), research dollars per faculty member, departmental research space, and research dollars per research space. Total number of faculty in each department is also shown.

For an update of AAMC salary data, please see the accompanying article "AAMC Medical School Faculty Compensation Survey" (p. 181).

## Table 1 c .

| Tenure Status in Each Department by Degree ( $n=945$ ) |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Tenured |  | Not Tenured But <br> Eligible |  | Not Eligible |  | Not identified |  | Total |
|  | No. | Yrs in <br> position | No. | Yrs in <br> position | No. | Yrs in <br> position | No. | Yrs in <br> position |  |
| MD | 9 | 10.3 | 9 | 4.9 | 9 | 17.3 | 1 | 1 | 28 |
| PhD | 553 | 13.1 | 150 | 3.7 | 129 | 7.5 | 7 | 3.8 | 839 |
| 2 Doctorates | 43 | 9.9 | 7 | 2.6 | 21 | 9.3 |  |  | 71 |
| Other | 1 | 4 |  |  | 6 | 9.3 |  |  | $\mathbf{7}$ |
| Total | $\mathbf{6 0 6}$ |  | $\mathbf{1 6 6}$ |  | $\mathbf{1 6 5}$ |  | $\mathbf{8}$ |  | $\mathbf{9 4 5}$ |

Table 2a.

| Medical Physiology Course Type |  |  |  |
| :--- | :---: | :---: | :---: |
|  | Yes | No | Total <br> Responded |
| Integrated Course <br> (Systems based) | 40 | 11 | 51 |
| Traditional (Discipline-based) | 26 | 26 | 52 |
| Integrated Preclinical <br> Curriculum | 39 | 13 | 52 |

## Table 2c.

| Teaching Interactions with Students in Fields of Study |  |  |
| :--- | :---: | :---: |
| (n=60 departments) | No. of Depts. | $\%$ |
|  | 49 | 82 |
| M.D./D.O | 17 | 28 |
| D.D.S | 8 | 13 |
| D.V.M. | 27 | 45 |
| Allied Health | 10 | 17 |
| Pharmacy | 41 | 68 |
| Other Biomedical | 33 | 55 |
| Life Science | 31 | 52 |
| Bioengineering | 11 | 18 |
| Other |  |  |
| Other includes pre-professional and graduate students <br> (both MS and PhD) |  |  |

Table 3b.

| Race/Ethnicity of U.S. Citizen/Resident Alien Pre- and Postdoctoral Students/Trainees ( $n=50$ departments) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Pre-doctoral |  | Postdoctoral |  |
|  | Male | Female | Male | Female |
| Native American | 1 | 1 | 1 | 1 |
| Asian/Pacific Islander | 32 | 35 | 33 | 30 |
| Black (not Hispanic) | 20 | 25 | 4 | 6 |
| Hispanic | 21 | 27 | 14 | 15 |
| White (not Hispanic) | 233 | 221 | 99 | 67 |
| Total | 307 | 309 | 151 | 119 |

Table 2b.
Student Contact Hours for Faculty per Year

|  | Student Type | Average <br> (hours) | No. of Depts. |
| :--- | :---: | :---: | :---: |
| Lab Hours | Graduate | 231 | 34 |
|  | Medical | 55 | 28 |
|  | Other | 261 | 15 |
| Lectures | Graduate | 70 | 48 |
|  | Medical | 47 | 46 |
|  | Other | 119 | 29 |
| Small Group | Graduate | 45 | 31 |
|  | Medical | 25 | 39 |
|  | Other | 54 | 18 |

Table 3a.

| Student/Trainee Summary ( $\mathbf{n}=50$ departments) |  |  |  |  |
| :--- | ---: | :---: | :---: | :---: |
|  | Pre-doctoral |  | Postdoctoral |  |
|  | Male | Female | Male | Female |
| US Citizen/Resident Alien | 307 | 309 | 151 | 119 |
| Foreign | 86 | 98 | 182 | 127 |
| Total | 393 | 407 | 333 | 246 |

Table 3c.

## U.S. Citizen/Resident Alien Predoctoral Trainee Completions (as of June 30, 2017) ( $n=50$ depts.)

|  | Male | Female |
| :--- | ---: | :---: |
| Native American |  |  |
| Asian/Pacific Islander | 6 | 11 |
| Black (not Hispanic) | 2 | 7 |
| Hispanic | 3 | 3 |
| White (not Hispanic) | 51 | 42 |
| Total | $\mathbf{6 2}$ | $\mathbf{6 3}$ |

## Table 3d.

| Number of Foreign Pre- and Postdoctoral <br> Students/Trainees |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | :---: |
|  | Predoctoral <br> $(\mathbf{n}=50$ depts.) |  |  | Postdoctoral <br> $(\mathbf{n}=\mathbf{4 4}$ depts.) |  |
|  | Male | Female | Male | Female |  |
| African | 2 | 3 | 2 | 0 |  |
| Asian/Pacific Islander | 44 | 54 | 99 | 53 |  |
| Central/South American | 6 | 3 | 16 | 16 |  |
| European/Canadian, etc. | 12 | 9 | 29 | 40 |  |
| Middle Eastern | 19 | 28 | 24 | 11 |  |
| Other | 3 | 1 | 12 | 7 |  |
| Total | $\mathbf{8 6}$ | $\mathbf{9 8}$ | $\mathbf{1 8 2}$ | $\mathbf{1 2 7}$ |  |

Table 3e.
Foreign National Predoctoral Trainee Completions (as of June 30, 2017) ( $n=26$ depts.)

|  | Male | Female |
| :--- | :---: | :---: |
| African | 0 | 0 |
| Asian/Pacific Islander | 16 | 19 |
| Central/South American | 2 | 3 |
| European/Canadian, etc. | 0 | 1 |
| Middle Eastern | 1 | 7 |
| Other | 1 | 0 |
| Total | $\mathbf{2 0}$ | $\mathbf{3 0}$ |

## Table 3g.

Primary Source of Support for Foreign Pre- and
Postdoctoral Trainees ( $n=40$ depts.)

|  | Pre-doctoral | Postdoctoral |
| :--- | :---: | :---: |
| Institutional | 105 | 28 |
| Research Grants | 135 | 257 |
| Private Foundations | 7 | 16 |
| Home (foreign) Government | 18 | 14 |
| Other | 5 | 9 |
| Total | $\mathbf{2 7 0}$ | $\mathbf{3 2 4}$ |

Table 4a.

| Type of Institution |  |  |
| :--- | :---: | :---: |
|  | Medical | Non-medical |
| Private | 14 | 1 |
| Public | 44 | 1 |
| Total | $\mathbf{5 8}$ | $\mathbf{2}$ |

## Table 3f.

## Total Predoctoral Trainee Completions During the Year Ending June 30, 2017 ( $n=50$ depts.)

|  | Total |
| :--- | :---: |
| Female | 93 |
| Male | 82 |
| Total | $\mathbf{1 7 5}$ |

Table 3h.

## Average Annual Stipend (U.S. \$)

|  | Average | No. of <br> Institutions |
| :--- | :---: | :---: |
| Postdoctoral | $\$ 45,362$ | 46 |
| Pre-doctoral | $\$ 26,434$ | 48 |

Table 4b.

| Space Controlled by Department |  |  |
| :--- | :---: | :---: |
|  | Average Space <br> (sq. ft .) | No. of Depts |
| Research Space | 21,251 | 51 |
| Administrative Space | 3,335 | 50 |
| Teaching Space | 2,374 | 28 |
| Other Space | 2,736 | 30 |
| Total | $\mathbf{2 7 , 4 3 4}$ | $\mathbf{5 1}$ |

Other includes common space, prep room, storage,
core facilities, offices

Table 5a.

| Budget by Institution | All <br> institutions | No. of <br> Depts. | Mean No. <br> of Faculty | Private <br> Medical | No. of <br> Depts. | Mean No. <br> of Faculty | Public <br> Medical | No. of <br> Depts. | Mean No. <br> of Faculty |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Institutional (Hard money, e.g, <br> operating costs, state allocations) | $2,325,116$ | 51 | 19 | $1,902,965$ | 14 | 16 | $2,428,872$ | 36 | 20 |
| Outside Research Grants and <br> Contracts (direct costs only) | $4,203,727$ | 49 | 19 | $5,158,253$ | 12 | 18 | $3,992,798$ | 36 | 20 |
| Training Grants (direct costs only) | 277,839 | 19 | 19 | 326,236 | 6 | 20 | 255,581 | 13 | 19 |
| Endowments | 591,107 | 35 | 19 | 827,213 | 10 | 17 | 514,359 | 24 | 20 |
| Indirect Cost Recovery (amount <br> returned to your department) | 386,493 | 35 | 20 | $1,053,973$ | 6 | 21 | 248,394 | 29 | 20 |
| Other Budget Support | 721,143 | 32 | 19 | $1,308,683$ | 7 | 17 | 556,632 | 25 | 20 |
| Average Departmental Budget | $7,590,904$ | 51 |  | $8,161,050$ | 14 |  | $7,443,514$ | 36 |  |
| SD | $4,974,031$ |  |  | $4,914,878$ |  |  | $4,410,629$ |  |  |
| Total faculty |  | 945 |  |  | 224 |  |  | 703 |  |
| Non-medical: only 2 depts. responded so those numbers are not presented separately but are included in All Insititutions |  |  |  |  |  |  |  |  |  |

Table 5b.
Financial Information

|  | Average \% | No. of Depts. |
| :--- | :---: | :---: |
| Current fringe benefit rate most frequently used for primary faculty | 31 | 51 |
| Federally negotiated indirect cost rate for FY 16-17 off campus | 28 | 46 |
| Federally negotiated indirect cost rate for FY 16-17 on campus | 52 | 49 |
| Percentage of allocated salary dollars from grants directly returned to your department | 64 | 28 |
| Percentage of indirect costs returned to your department | 15 | 33 |
| Percentage of total faculty salaries derived from research grants (does not include fringe benefits costs) | 34 | 47 |
| Percentage of faculty having extramural research funding greater than $\$ 100,000 /$ year | 57 | 49 |

Table 6

| Complete Ranking According to Total Dollars |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rank Total Dollars | Total Dollars | Rank Research Grant Dollars | Research Grant Dollars | Rank <br> Research Dollars/ Faculty | Research Dollars/ Faculty | Rank Research Space | Research Space | Rank Research Dollars/ sqft | Research Dollars/ sqft | No. of Faculty |
| 1 | 23,820,179 | 1 | 15,150,897 | 3 | 459,118 | 8 | 34,591 | 2 | 438 | 33 |
| 2 | 23,373,892 | 2 | 10,161,685 | 5 | 441,812 | 3 | 49,195 | 28 | 207 | 23 |
| 3 | 17,360,792 | 8 | 7,283,353 | 6 | 404,631 | 7 | 36,042 | 29 | 202 | 18 |
| 4 | 14,728,306 | 11 | 6,222,893 | 20 | 239,342 | 22 | 19,877 | 8 | 313 | 26 |
| 5 | 14,087,764 | 3 | 9,678,702 | 1 | 537,706 | 12 | 29,133 | 7 | 332 | 18 |
| 6 | 13,780,358 | 5 | 8,904,468 | 15 | 278,265 | 5 | 38,298 | 15 | 233 | 32 |
| 7 | 13,273,261 | 7 | 7,296,000 | 8 | 384,000 | 19 | 21,913 | 6 | 333 | 19 |
| 8 | 12,414,835 | 6 | 8,610,377 | 4 | 453,178 | 4 | 48,939 | 31 | 176 | 19 |
| 9 | 12,385,791 | 4 | 9,032,008 | 7 | 392,696 | 6 | 36,048 | 12 | 251 | 23 |
| 10 | 11,247,222 | 12 | 6,013,734 | 25 | 193,991 | 13 | 26,020 | 16 | 231 | 31 |
| 11 | 11,209,309 | 9 | 6,800,000 | 26 | 188,889 | 46 | 10,414 | 1 | 653 | 36 |
| 12 | 10,349,779 | 27 | 3,535,299 | 24 | 196,406 | 28 | 16,975 | 27 | 208 | 18 |
| 13 | 10,165,779 | 22 | 3,984,335 | 9 | 362,212 | 44 | 11,100 | 5 | 359 | 11 |
| 14 | 9,307,081 | 17 | 4,620,780 | 27 | 184,831 | 14 | 25,358 | 30 | 182 | 25 |
| 15 | 8,976,711 | 16 | 4,644,385 | 22 | 221,161 | 9 | 32,658 | 35 | 142 | 21 |
| 16 | 8,513,890 | 23 | 3,975,695 | 21 | 233,864 | 23 | 19,053 | 26 | 209 | 17 |
| 17 | 8,059,822 | 14 | 4,836,891 | 2 | 483,689 | 29 | 16,729 | 9 | 289 | 10 |
| 18 | 8,009,257 | 13 | 5,013,060 | 10 | 358,076 | 18 | 22,095 | 17 | 227 | 14 |
| 19 | 7,643,743 | 10 | 6,790,464 | 13 | 282,936 | 11 | 31,313 | 22 | 217 | 24 |
| 20 | 7,385,226 | 21 | 4,012,806 | 16 | 267,520 | 31 | 15,916 | 11 | 252 | 15 |
| 21 | 7,271,654 | 15 | 4,739,132 | 11 | 296,196 | 17 | 22,395 | 24 | 212 | 16 |
| 22 | 7,173,116 | 30 | 2,915,409 | 41 | 107,978 | 24 | 18,715 | 33 | 156 | 27 |
| 23 | 7,139,113 | 26 | 3,724,738 | 28 | 177,368 | 20 | 21,450 | 32 | 174 | 21 |
| 24 | 6,282,000 | 18 | 4,300,000 | 12 | 286,667 | 43 | 11,427 | 4 | 376 | 15 |
| 25 | 6,011,771 | 24 | 3,859,819 | 17 | 257,321 | 27 | 17,096 | 18 | 226 | 15 |
| 26 | 6,006,594 | 28 | 3,197,136 | 36 | 127,885 | 35 | 14,492 | 20 | 221 | 25 |
| 27 | 5,878,750 | 35 | 2,317,766 | 37 | 121,988 | 10 | 31,563 | 43 | 73 | 19 |
| 28 | 5,861,539 | 19 | 4,241,204 | 14 | 282,747 | 33 | 15,065 | 10 | 282 | 15 |


| 29 | 5,763,687 | 25 | 3,789,066 | 18 | 252,604 | 32 | 15,399 | 13 | 246 | 15 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 | 5,755,976 | 37 | 1,947,991 | 30 | 162,333 | 26 | 18,355 | 38 | 106 | 12 |
| 31 | 5,411,774 | 31 | 2,728,793 | 29 | 170,550 | 39 | 12,484 | 21 | 219 | 16 |
| 32 | 5,310,356 | 29 | 2,929,267 | 32 | 154,172 | 40 | 12,475 | 14 | 235 | 19 |
| 33 | 5,288,500 | 44 | 1,350,000 | 46 | 48,214 | 16 | 24,166 | 46 | 56 | 28 |
| 34 | 5,263,393 | 40 | 1,475,309 | 47 | 47,591 | 2 | 49,427 | 47 | 30 | 31 |
| 35 | 4,978,006 | 20 | 4,100,000 | 33 | 151,852 | 48 | 10,100 | 3 | 406 | 27 |
| 36 | 4,914,878 | 49 | 342,878 | 49 | 16,328 | 25 | 18,500 | 48 | 19 | 21 |
| 37 | 4,487,681 | 34 | 2,571,231 | 34 | 151,249 | 15 | 25,000 | 39 | 103 | 17 |
| 38 | 4,156,364 | 33 | 2,629,853 | 23 | 202,296 | 37 | 12,507 | 25 | 210 | 13 |
| 39 | 3,989,680 | 43 | 1,402,260 | 43 | 93,484 | 36 | 12,914 | 37 | 109 | 15 |
| 40 | 3,902,091 | 32 | 2,663,824 | 31 | 156,696 | 41 | 12,048 | 19 | 221 | 17 |
| 41 | 3,877,456 | 45 | 1,278,047 | 44 | 91,289 | 34 | 14,774 | 41 | 87 | 14 |
| 42 | 3,797,659 | 46 | 1,146,133 | 48 | 45,845 | 45 | 10,555 | 36 | 109 | 25 |
| 43 | 3,753,201 | 39 | 1,628,871 | 35 | 135,739 | 21 | 21,368 | 42 | 76 | 12 |
| 44 | 3,742,119 | 38 | 1,780,495 | 40 | 111,281 | 42 | 11,623 | 34 | 153 | 16 |
| 45 | 3,292,341 | 36 | 2,188,521 | 19 | 243,169 | 47 | 10,334 | 23 | 212 | 9 |
| 46 | 2,891,389 | 41 | 1,422,702 | 42 | 101,622 |  |  |  |  | 14 |
| 47 | 2,824,693 | 42 | 1,406,877 | 39 | 117,240 | 30 | 16,056 | 40 | 88 | 12 |
| 48 | 2,033,309 | 47 | 827,485 | 38 | 118,212 | 38 | 12,500 | 44 | 66 | 7 |
| 49 | 1,642,388 | 48 | 510,000 | 45 | 56,667 | 49 | 8,289 | 45 | 62 | 9 |
| 50 | 1,320,000 |  |  |  |  | 51 | 2,975 |  |  |  |
| 51 | 1,021,620 |  |  |  |  | 50 | 3,088 |  |  |  |



## AAMC Medical School Faculty Compensation Survey

Each year the American Association of Medical Colleges (AAMC) surveys all the U.S. medical schools as to faculty compensation. Because of this, the ACDP (see "Association of Chairs of Departments of Physiology 2017 Survey Results" on p . 175) no longer collects the same data from its members.

As a supplement to the ACDP survey, the AAMC has agreed to allow the APS to publish selected results from their survey.

Table 1 shows the regional distribution of medical schools responding to the AAMC survey in terms of public medical and private medical. Also shown is the number of physiology departments in those regions that responded (with either PhD or MD Chairs). For the fiscal year 2016-2017, 145 of 146 medical schools responded, and 71 physiology departments responded.

Summary statistics on faculty compensation in physiology departments for PhD and MD faculty are given in Table 2. For the purposes of this report, faculty who hold both an MD or equivalent degree and a PhD or other doctoral degree are included in the "MD or Equivalent Degree" tables, regardless of whether the degrees were earned simultaneously.

The total compensation equaled the fixed/contractual salary component (exclusive of fringe benefits) of total compensation plus the supplemental earnings components of total compensation (medical practice supplement, bonus/incentive pay, and known uncontrolled outside earnings) for the 12-month period spanning 2016-2017.

Shown are 25 th percentile, median, 75 th percentile, and mean salaries for the given number of faculty. For any group that has less than five faculty, data are not reported.

Table 3 shows the changes in salary that have occurred over the past 3 years for both PhD and MD faculty, with the percent change over the past 2 years.

Summary salary statistics for separate regions of the country for both PhD and MD faculty are given in Table 4. Once more, faculty who hold both an MD or equivalent degree and a PhD or other doctoral degree are included in the "MD or Equivalent Degree" tables. Given again are 25th percentile, median, 75 th percentile, and mean salaries for the given number of faculty.

Table 5 shows the salary comparison between PhD and MD faculty in all basic science departments vs. those specifically in physiology departments.

Table 1. Distribution of Medical Schools Responding to AAMC Medical School Faculty Compensation Survey

|  |  | Northeast | Midwest | South | West | TOTAL |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: |
| All | Private Medical | 27 | 12 | 13 | 4 | 56 |
|  | Public Medical | 13 | 22 | 38 | 16 | 89 |
| Physiology | All Medical Schools | 15 | 18 | 30 | 8 | 71 |

Table 2. Summary Statistics on Physiology Department PhD and MD Faculty Compensation

| PhD Faculty |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 25th | Median | 75th | Mean | No. of Faculty |
| Chair | All Schools | 228,000 | 286,000 | 323,000 | 285,400 | 59 |
|  | Medical Public | 228,000 | 281,000 | 307,000 | 269,300 | 41 |
|  | Medical Private | 243,000 | 317,000 | 401,000 | 322,200 | 18 |
| Chief | All Schools | 160,000 | 177,000 | 289,000 | 214,600 | 5 |
|  | Medical Public |  |  |  |  | 4 |
|  | Medical Private |  |  |  |  | 1 |
| Professor | All Schools | 144,000 | 173,000 | 206,000 | 179,900 | 517 |
|  | Medical Public | 144,000 | 170,000 | 198,000 | 178,400 | 350 |
|  | Medical Private | 144,000 | 180,000 | 220,000 | 183,000 | 167 |
| Assoc. Prof. | All Schools | 107,000 | 120,000 | 135,000 | 122,700 | 314 |
|  | Medical Public | 106,000 | 119,000 | 134,000 | 120,100 | 225 |
|  | Medical Private | 110,000 | 120,000 | 141,000 | 129,200 | 89 |
| Asst. Prof. | All Schools | 75,000 | 93,000 | 105,000 | 91,200 | 330 |
|  | Medical Public | 75,000 | 90,000 | 102,000 | 89,200 | 228 |
|  | Medical Private | 77,000 | 97,000 | 112,000 | 95,800 | 102 |
| Instructor | All Schools | 53,000 | 60,000 | 66,000 | 59,800 | 88 |
|  | Medical Public | 51,000 | 59,000 | 65,000 | 58,800 | 47 |
|  | Medical Private | 55,000 | 60,000 | 70,000 | 61,000 | 41 |


| MD Faculty |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 25th | Median | 75th | Mean | No. of Faculty |
| Chair | All Schools | 287,000 | 346,000 | 483,000 | 379,100 | 12 |
|  | Medical Public | 261,000 | 295,000 | 401,000 | 326,800 | 9 |
|  | Medical Private |  |  |  |  | 3 |
| Chief | All Schools |  |  |  |  | 1 |
|  | Medical Public |  |  |  |  | 1 |
|  | Medical Private |  |  |  |  | 0 |
| Professor | All Schools | 158,000 | 194,000 | 240,000 | 202,200 | 65 |
|  | Medical Public | 164,000 | 192,000 | 239,000 | 206,700 | 37 |
|  | Medical Private | 131,000 | 197,000 | 247,000 | 196,300 | 28 |
| Assoc. Prof. | All Schools | 107,000 | 122,000 | 138,000 | 124,600 | 25 |
|  | Medical Public | 102,000 | 118,000 | 122,000 | 113,400 | 11 |
|  | Medical Private | 113,000 | 129,000 | 145,000 | 133,400 | 14 |
| Asst. Prof. | All Schools | 68,000 | 89,000 | 102,000 | 88,800 | 24 |
|  | Medical Public | 63,000 | 83,000 | 98,000 | 83,800 | 16 |
|  | Medical Private | 86,000 | 101,000 | 118,000 | 98,900 | 8 |
| Instructor | All Schools |  |  |  |  | 4 |
|  | Medical Public |  |  |  |  | 2 |
|  | Medical Private |  |  |  |  | 2 |

For less than 5 faculty, data are not reported

Table 3. Change in Total Compensation for Physiology Department PhD and MD Faculty

| PhD Faculty |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2016-2017 |  | 2015-2016 |  | 2014-2015 |  | $\begin{gathered} \text { \% Change 2015-2016 } \\ \text { to 2016-2017 } \end{gathered}$ |  |
| Mean | Median | Mean | Median | Mean | Median | Mean | Median |
| 139,200 | 125,000 | 136,200 | 125,000 | 131,600 | 122,000 | 2.2 | 0 |

Mean and median values were combined for Assistant, Associate, and Professor

| MD Faculty |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2016-2017 |  | 2015-2016 |  | 2014-2015 |  | \% Cha to | $\begin{aligned} & 5-2016 \\ & 017 \end{aligned}$ |
| Mean | Median | Mean | Median | Mean | Median | Mean | Median |
| 161,300 | 141,000 | 154,500 | 147,000 | 149,500 | 143,000 | 4.4 | -4.1 |

Mean and median values were combined for Assistant, Associate, and Professor

Table 4. Summary Statistics on Physiology Department PhD and MD Faculty Compensation by Region

| PhD Faculty |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Northeast | Midwest | South | West |
| Chair | 25th | 246,000 | 243,000 | 219,000 | 225,000 |
|  | Median | 294,000 | 291,000 | 261,000 | 298,000 |
|  | 75th | 336,000 | 372,000 | 317,000 | 347,000 |
|  | Mean | 306,900 | 301,700 | 265,400 | 285,100 |
|  | Total faculty | 12 | 15 | 25 | 7 |
| Chief | 25th |  |  |  |  |
|  | Median |  |  |  |  |
|  | 75th |  |  |  |  |
|  | Mean |  |  |  |  |
|  | Total faculty | 0 | 2 | 3 | 0 |
| Professor | 25th | 154,000 | 143,000 | 136,000 | 152,000 |
|  | Median | 177,000 | 175,000 | 166,000 | 185,000 |
|  | 75th | 205,000 | 221,000 | 197,000 | 210,000 |
|  | Mean | 176,800 | 183,800 | 171,100 | 195,400 |
|  | Total faculty | 94 | 143 | 190 | 90 |
| Assoc. Prof. | 25th | 115,000 | 106,000 | 104,000 | 109,000 |
|  | Median | 125,000 | 117,000 | 117,000 | 119,000 |
|  | 75th | 140,000 | 136,000 | 135,000 | 128,000 |
|  | Mean | 131,200 | 121,500 | 119,600 | 122,000 |
|  | Total faculty | 61 | 97 | 125 | 31 |

Table 4. Summary Statistics on Physiology Department PhD and MD Faculty Compensation by Region continued

|  |  | Northeast | Midwest | South | West |
| :--- | :--- | ---: | ---: | ---: | ---: |
| Asst. Prof. | 25th | 75,000 | 75,000 | 71,000 | 78,000 |
|  | Median | 99,000 | 95,000 | 89,000 | 97,000 |
|  | 75th | 115,000 | 104,000 | 102,000 | 116,000 |
|  | Mean | 95,300 | 91,100 | 87,600 | 98,800 |
| Instructor | Total faculty | 67 | 98 | 135 | 30 |
|  | 25th | 53,000 | 44,000 | 54,000 | 56,000 |
|  | Median | 63,000 | 51,000 | 58,000 | 62,000 |
|  | 75th | 73,000 | 62,000 | 64,000 | 71,000 |
|  | Mean | 63,900 | 54,100 | 58,400 | 62,500 |
|  | Total faculty | 17 | 14 | 35 | 22 |


| MD Faculty |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Northeast | Midwest | South | West |
| Chair | 25th |  |  | 293,000 |  |
|  | Median |  |  | 300,000 |  |
|  | 75th |  |  | 401,000 |  |
|  | Mean |  |  | 337,400 |  |
|  | Total faculty | 3 | 3 | 5 | 1 |
| Chief | 25th |  |  |  |  |
|  | Median |  |  |  |  |
|  | 75th |  |  |  |  |
|  | Mean |  |  |  |  |
|  | Total faculty | 1 | 0 | 0 | 0 |
| Professor | 25th | 178,000 | 135,000 | 135,000 | 166,000 |
|  | Median | 230,000 | 160,000 | 188,000 | 175,000 |
|  | 75th | 275,000 | 217,000 | 226,000 | 232,000 |
|  | Mean | 219,000 | 172,600 | 191,000 | 204,700 |
|  | Total faculty | 23 | 5 | 24 | 13 |
| Assoc. Prof. | 25th |  | 102,000 | 113,000 |  |
|  | Median |  | 125,000 | 121,000 |  |
|  | 75th |  | 164,000 | 136,000 |  |
|  | Mean |  | 129,100 | 122,900 |  |
|  | Total faculty | 3 | 10 | 10 | 2 |
| Asst. Prof. | 25th |  | 88,000 | 63,000 |  |
|  | Median |  | 98,000 | 78,000 |  |
|  | 75th |  | 113,000 | 89,000 |  |
|  | Mean |  | 99,300 | 79,800 |  |
|  | Total faculty | 1 | 6 | 14 | 3 |
| Instructor | 25th |  |  |  |  |
|  | Median |  |  |  |  |
|  | 75th |  |  |  |  |
|  | Mean |  |  |  |  |
|  | Total faculty | 2 | 2 | 0 | 1 |

For less than 5 faculty, data are not reported

Table 5. Salary comparison between all basic science departments and physiology departments for both PhD and MD faculty


