

AAMC Survey of Resident/Fellow Stipends and Benefits

Autumn 2009 Report

Learn

Serve

Lead

Health Care Affairs

Table of Contents

INTRODUCTION 1

SECTION ONE:

RESIDENT/FELLOW STIPENDS 2

 Table 1: Resident/Fellow Stipends Nationwide 4

 Table 2: Mean First-Year Resident Stipends Nationwide 5

 Table 3: Changes in Nationwide Resident/Fellow Stipends 6

 Table 4: Weighted Mean Resident/Fellow Stipends 7

 Table 5: Mean Resident/Fellow Stipends Nationwide 8

 Table 6: 25th Percentile Resident/Fellow Stipends Nationwide 9

 Table 7: Median (50th Percentile) Resident/Fellow Stipends Nationwide 10

 Table 8: 75th Percentile Resident/Fellow Stipends Nationwide 11

 Table 9: Number of Respondents to Stipend Questions 12

SECTION TWO:

RESIDENT/FELLOW FUNDING SOURCES 13

 Table 10: Ratio of Benefits to Stipends 14

 Table 11: Funding Sources for Stipends and Benefits by Ownership 15

Introduction to the Resident/Fellow Survey

Since 1968, the *AAMC Survey of Resident/Fellow Stipends and Benefits* (formerly the *AAMC Survey of Housestaff Stipends, Benefits and Funding*) has been published annually by the Association of American Medical Colleges. The AAMC employs a two-year cycle for the Resident/Fellow Survey. An abbreviated questionnaire that collects information only about stipends and funding is alternated with the full survey instrument which includes a section on benefits. In 2009 the abbreviated survey instrument was fielded.

Data were collected on the AAMC web site beginning in July 2009. A memo announcing availability of the survey was e-mailed to the chief executive officers of hospitals that belong to the Council of Teaching Hospitals and Health Systems (COTH)¹, members of the Council of Deans, and members of the AAMC Group on Resident Affairs. In addition, anyone who completed the prior year's AAMC Resident/Fellow Survey was contacted by email. Hospital and medical school representatives were instructed to complete the survey only if their institution issues the checks for resident/fellow stipends. With the exception of the questions on resident/fellow funding, the instrument collected data for the

2009-2010 academic year that began July 1, 2009. The funding section in the AAMC Resident/Fellow Survey is always based on data for the most recently completed fiscal year, which for the majority of institutions, is the academic year ending June 30, 2009.

The data tables² summarize the responses from 162 COTH-member hospitals³ and 53 medical schools that pay for resident/fellow stipends directly. For 318 members of COTH (this number excludes 82 VA and other federal institutions) at the time the survey was conducted, this represents an overall response rate of 51 percent. For the 131 medical schools, this represents a 40 percent response rate. Medical school data are reported separately in many of the tables. The 2009 tables display the majority of data in a cross-tabular format, which facilitates comparison of information across multiple peer groups.

The tables are organized into two sections. Section 1 contains stipend data, reported by region and ownership, for all respondents. Tables included in Section 1 present mean stipend data and values at the 25th, 50th (the median) and 75th percentiles. With the exception of Table 2, which presents data adjusted by the Consumer Price

Index (CPI-U, for all urban consumers), the stipend data are not adjusted for regional wage or cost-of-living differences. Section 2 contains data on graduate medical education expenditures and the sources of funding for resident/fellow stipends and benefits.

Questions regarding the data, as well as requests for special analyses, should be directed to Jennifer Gold at jgold@aamc.org (202-828-0622), or LaTonya Ford at lford@aamc.org (202-862-6192).

¹ In recent years, fewer than five VA hospitals have responded to the survey, therefore, VA-specific data could not be published. As a result, last year, a decision was made, in consultation with the VA liaison to the Group on Resident Affairs, not to solicit VA members of COTH to participate in future surveys.

² Data were analyzed using SPSS 17.0 for Windows.

³ The total number of hospital respondents may be an underestimate as several institutions operate as part of multi-hospital consortia. These consortia reported their data jointly rather than on an institution-specific basis.

Resident/Fellow Stipends

NATIONWIDE STIPENDS: 2009-2010

Table 1 presents summary data on national resident/fellow stipends for each of eight post-MD years. The 2009-2010 mean first post-MD year stipend for all responding institutions is \$47,458. The mean in **Table 1** is an unweighted mean, with each institution, regardless of the size of its training program, having the same ‘weight.’ This approach was selected to prevent the larger institutions from skewing the mean, resulting in a mean that is quite close to the median value (the value at which one-half of the sample has higher values and one-half has lower values). Another approach, weighting stipends by the number of residents and fellows at each responding institution, is shown in **Table 4**. Comparing the data in **Tables 1** and **4** shows that weighting by the number of residents and fellows does not result in a significantly different mean stipend.

Table 1 also displays the percent and dollar changes in mean stipends from 2008-2009 to 2009-2010 calculated for respondents reporting in both years. The mean increase for first-year stipends between 2008-2009 and 2009-2010 is \$1,104. The percent increase over the first-year stipend for the 2008-2009 academic year is 2.4 percent.

Traditionally, the percent increase fluctuates slightly across residency years, however the range is somewhat narrow. The mean percent increases range from 2.2% for the fourth year to 2.5% for the sixth and eighth post-graduate years. The section on the dollar and percent increase in **Table 1** reports only institutions that responded to both the 2008 and 2009 AAMC Resident/Fellow Survey (185 institutions at the first post-MD year, declining to 69 institutions at the eighth year).

The small dollar and percent changes that appear at the 25th percentile may have resulted from the fact that nearly one quarter of the institutions in this cohort did not change the stipend payments at many of the post-MD years between the 2008 and 2009 academic years.

The majority of institutions (92 percent) reported that they pay the same base stipends to residents and fellows across all specialties. Only 6.6 percent reported that the stipend levels were estimated.

NATIONWIDE STIPENDS: 1968-1969 to 2009-2010

Table 2 shows mean first post-MD year stipends for each academic year from 1968-1969 to 2009-2010. Since a somewhat different group of institutions responds each year, this time series of stipends does not truly represent a time trend. Changes in stipends from year to year may

reflect characteristics of responding institutions, in addition to actual stipend changes. **Table 2** shows stipends, both actual and adjusted, by the Consumer Price Index for All Urban Consumers (CPI-U), for the period from 1968 to 2009. Stipend data in **Table 2** are shown both in actual dollars and adjusted to constant 1968 dollars.

Table 2 shows that between academic years 2008-2009 and 2009-2010, the stipends paid by respondents to the 2009 survey were 2.6 percent or \$1,213 higher than stipends paid by 2008 respondents. CPI-adjusted stipends increased by \$301 (from \$7,334 to \$7,635). Stipend increases have not always kept pace with increases in the CPI. In the early 1980s, CPI-adjusted first-year stipends dipped to the stipend levels (in 1968 dollars) that residents had received in the 1969-1970 academic year. The stipends subsequently remained relatively flat for several years and did not regain the 1979-1980 level of \$7,129 until 1993-1994. The CPI-adjusted mean first-year stipend for 2008-2009 at \$7,635 represents an 23 percent real increase over the \$6,200 average stipend that residents were paid in 1968-1969. Again, the changes in the stipend data shown in **Table 2** might be, in part, due to slightly different cohorts of institutions responding to the survey each year, whereas **Table 1** reports the same cohort in two successive years.

STIPENDS FOR COHORTS OF RESIDENTS 2008-2009 TO 2009-2010

Table 3 shows the stipend increases experienced by cohorts of residents. As in **Table 1**, cohorts include those institutions responding to both the 2008 and 2009 surveys. The total increase for any resident cohort includes a step increase (the increase in payment received when entering the next post-MD level) and a base increase (the overall average increase associated with increases in the cost of living for every level). The mean increase from the first post-MD year in 2008-2009 to the second-year in 2009-2010 was \$2,967 or 6.4 percent.

STIPENDS BY REGION AND OWNERSHIP

Stipend data by region and ownership are displayed in **Tables 4** through **9**. The four COTH ownership groups are: state; municipal (county, city, and district hospitals); church-owned; and other non-profit. Additionally, medical schools are reported as a separate group. **Table 4** reports the total number of residents and fellows and the weighted mean stipend (weighted by the number of residents and fellows), by region. **Table 5** shows unweighted mean stipends; **Table 6** shows stipends at the 25th percentile; **Table 7** shows median (50th percentile) stipends; and **Table 8** shows stipends at the 75th percentile. **Table 9** reports the number of COTH hospitals and

medical schools in the representative categories responding to the stipend question. For **Tables 5** through **9**, regions are displayed across the tops of the tables; data for all four regions are combined at the far right. Ownership groups are listed on the left side of the tables, with the data for all institutions (all ownership categories) shown at the beginning of each table. The inclusion of aggregate data facilitates comparison of specific region and ownership groups to those for the other regions, other ownership groups, and to the national mean. For example, a municipal hospital in the South can compare its stipends to those paid by municipal hospitals in the South, all municipal hospitals, or all hospitals in the South.

When the number of respondents is fewer than five for any region/ownership category, data for the category are not presented. This practice complies with the antitrust exemption guidelines for surveying of salary information in health care settings promulgated by the U.S. Department of Justice and the Federal Trade Commission in 1994.

Table 1.

Resident/Fellow Stipends Nationwide

Dollar and Percent Changes from Prior Year

Academic Year 2009-2010

| Year of Training | N | Mean | Percentiles | | |
|---|-----|----------|------------------|------------------|------------------|
| | | | 25 th | 50 th | 75 th |
| Current Year Stipends | | | | | |
| 1st Post-MD Year | 211 | \$47,458 | \$45,331 | \$46,717 | \$49,328 |
| 2nd Post-MD Year | 212 | 49,337 | 46,976 | 48,406 | 51,431 |
| 3rd Post-MD Year | 212 | 51,363 | 48,774 | 50,406 | 53,550 |
| 4th Post-MD Year | 213 | 53,432 | 50,466 | 52,599 | 55,737 |
| 5th Post-MD Year | 204 | 55,570 | 51,912 | 54,689 | 58,030 |
| 6th Post-MD Year | 187 | 57,871 | 54,110 | 57,000 | 60,587 |
| 7th Post-MD Year | 162 | 59,816 | 55,463 | 58,909 | 62,270 |
| 8th Post-MD Year | 86 | 62,383 | 56,946 | 61,059 | 67,574 |
| Dollar Change From Prior Year¹ | | | | | |
| 1st Post-MD Year | 185 | \$1,104 | \$86 | \$1,300 | \$1,539 |
| 2nd Post-MD Year | 186 | 1,168 | 26 | 1,347 | 1,624 |
| 3rd Post-MD Year | 186 | 1,139 | 0 | 1,397 | 1,664 |
| 4th Post-MD Year | 186 | 1,142 | 1 | 1,460 | 1,740 |
| 5th Post-MD Year | 175 | 1,299 | 86 | 1,500 | 1,800 |
| 6th Post-MD Year | 162 | 1,399 | 2 | 1,501 | 1,977 |
| 7th Post-MD Year | 138 | 1,413 | 463 | 1,510 | 2,008 |
| 8th Post-MD Year | 69 | 1,509 | 176 | 1,545 | 2,067 |
| Percent Change From Prior Year¹ | | | | | |
| 1st Post-MD Year | 185 | 2.4% | 0.2% | 2.9% | 3.3% |
| 2nd Post-MD Year | 186 | 2.4 | 0.1 | 2.9 | 3.4 |
| 3rd Post-MD Year | 186 | 2.3 | 0.0 | 2.9 | 3.3 |
| 4th Post-MD Year | 186 | 2.2 | 0.0 | 2.9 | 3.3 |
| 5th Post-MD Year | 175 | 2.4 | 0.2 | 2.9 | 3.4 |
| 6th Post-MD Year | 162 | 2.5 | 0.0 | 2.8 | 3.5 |
| 7th Post-MD Year | 138 | 2.4 | 0.7 | 2.9 | 3.3 |
| 8th Post-MD Year | 69 | 2.5 | 0.3 | 2.9 | 3.3 |

¹Calculated for respondents reporting in both years.

Table 2.

Mean First-Year Resident Stipends Nationwide

Actual and Inflation-Adjusted Figures
1968-1969 through 2009-2010

| Survey Year | Actual Stipend | Percent | Change from Prior Year | | Inflation-Adjusted Stipend |
|-------------|----------------|---------|------------------------|--------------------|----------------------------|
| | | | Dollars | CPI-U ¹ | |
| 2009-2010 | \$47,458 | 2.62% | \$1,213 | 215.7 | \$7,635 |
| 2008-2009 | 46,245 | 3.35 | 1,498 | 218.8 | 7,334 |
| 2007-2008 | 44,747 | 3.42 | 1,481 | 208.4 | 7,451 |
| 2006-2007 | 43,266 | 2.84 | 1,196 | 202.9 | 7,399 |
| 2005-2006 | 42,070 | 3.14 | 1,282 | 194.5 | 7,506 |
| 2004-2005 | 40,788 | 2.46 | 979 | 189.7 | 7,461 |
| 2003-2004 | 39,809 | 4.10 | 1,562 | 183.7 | 7,520 |
| 2002-2003 | 38,238 | 2.30 | 855 | 179.9 | 7,376 |
| 2001-2002 | 37,383 | 4.60 | 1,655 | 178.0 | 7,288 |
| 2000-2001 | 35,728 | 2.10 | 743 | 172.4 | 7,191 |
| 1999-2000 | 34,985 | 2.60 | 881 | 166.2 | 7,304 |
| 1998-1999 | 34,104 | 2.10 | 717 | 163.0 | 7,260 |
| 1997-1998 | 33,387 | 1.80 | 598 | 160.3 | 7,227 |
| 1996-1997 | 32,789 | 3.60 | 1,139 | 156.7 | 7,261 |
| 1995-1996 | 31,650 | 2.90 | 897 | 152.5 | 7,202 |
| 1994-1995 | 30,753 | 3.80 | 1,121 | 148.0 | 7,210 |
| 1993-1994 | 29,632 | 3.50 | 1,014 | 144.4 | 7,121 |
| 1992-1993 | 28,618 | 5.20 | 1,407 | 140.2 | 7,083 |
| 1991-1992 | 27,211 | 5.20 | 1,353 | 136.0 | 6,943 |
| 1990-1991 | 25,858 | 4.90 | 1,209 | 129.9 | 6,907 |
| 1989-1990 | 24,649 | 3.90 | 920 | 124.1 | 6,892 |
| 1988-1989 | 23,729 | 4.50 | 1,013 | 118.0 | 6,978 |
| 1987-1988 | 22,716 | 3.30 | 722 | 113.5 | 6,945 |
| 1986-1987 | 21,994 | 2.50 | 538 | 109.5 | 6,970 |
| 1985-1986 | 21,456 | 3.10 | 642 | 107.6 | 6,919 |
| 1984-1985 | 20,814 | 4.50 | 895 | 103.7 | 6,965 |
| 1983-1984 | 19,919 | 5.10 | 958 | 99.5 | 6,947 |
| 1982-1983 | 18,961 | 7.50 | 1,320 | 97.0 | 6,783 |
| 1981-1982 | 17,641 | 9.00 | 1,453 | 90.6 | 6,757 |
| 1980-1981 | 16,188 | 9.00 | 1,335 | 82.7 | 6,792 |
| 1979-1980 | 14,853 | 6.40 | 888 | 72.3 | 7,129 |
| 1978-1979 | 13,965 | 5.90 | 779 | 65.2 | 7,432 |
| 1977-1978 | 13,186 | 4.40 | 558 | 60.7 | 7,538 |
| 1976-1977 | 12,628 | 8.10 | 943 | 56.8 | 7,715 |
| 1975-1976 | 11,685 | 9.30 | 993 | 53.6 | 7,565 |
| 1974-1975 | 10,692 | 5.70 | 578 | 49.0 | 7,572 |
| 1973-1974 | 10,114 | 4.30 | 416 | 44.2 | 7,940 |
| 1972-1973 | 9,698 | 5.40 | 500 | 41.7 | 8,070 |
| 1971-1972 | 9,198 | 13.30 | 1,083 | 40.6 | 7,861 |
| 1970-1971 | 8,115 | 10.80 | 790 | 38.8 | 7,258 |
| 1969-1970 | 7,325 | 18.10 | 1,125 | 36.6 | 6,945 |
| 1968-1969 | 6,200 | - | - | 34.7 | 6,200 |

¹Inflation-adjusted figures are derived using the Consumer Price Index for All Urban Consumers (CPI-U): All Items.

Source: Department of Labor, Bureau of Labor Statistics.

Note: A dash ("-") indicates data are not available

Table 3.

Changes in Nationwide Resident/Fellow Stipends

Received by Cohorts of Residents Advancing One Year

Academic Years 2008-2009 to 2009-2010

| Dollar Change ¹ | N | Mean | Percentiles | | |
|----------------------------|-----|---------|------------------|------------------|------------------|
| | | | 25 th | 50 th | 75 th |
| 1st to 2nd Post-MD Year | 185 | \$2,967 | \$2,029 | \$2,859 | \$3,536 |
| 2nd to 3rd Post-MD Year | 186 | 3,178 | 2,111 | 3,104 | 3,880 |
| 3rd to 4th Post-MD Year | 184 | 3,179 | 2,319 | 3,208 | 3,919 |
| 4th to 5th Post-MD Year | 175 | 3,372 | 2,426 | 3,378 | 4,100 |
| 5th to 6th Post-MD Year | 162 | 3,536 | 2,557 | 3,476 | 4,184 |
| 6th to 7th Post-MD Year | 138 | 3,452 | 2,274 | 3,398 | 4,072 |
| 7th to 8th Post-MD Year | 69 | 3,419 | 2,216 | 3,494 | 4,202 |

| Percent Change ¹ | N | Mean | Percentiles | | |
|-----------------------------|-----|------|------------------|------------------|------------------|
| | | | 25 th | 50 th | 75 th |
| 1st to 2nd Post-MD Year | 185 | 6.4% | 4.4% | 6.3% | 7.6% |
| 2nd to 3rd Post-MD Year | 186 | 6.5 | 4.5 | 6.6 | 7.8 |
| 3rd to 4th Post-MD Year | 184 | 6.3 | 4.7 | 6.4 | 7.7 |
| 4th to 5th Post-MD Year | 175 | 6.5 | 4.8 | 6.6 | 7.7 |
| 5th to 6th Post-MD Year | 162 | 6.5 | 4.6 | 6.4 | 7.9 |
| 6th to 7th Post-MD Year | 138 | 6.1 | 4.1 | 5.9 | 7.5 |
| 7th to 8th Post-MD Year | 69 | 5.8 | 3.9 | 5.8 | 7.4 |

¹Calculated for respondents reporting in both years.

Table 4.

Weighted Mean Resident/Fellow Stipends

By Region

Academic Year 2009-2010

| All Regions | Aggregate Residents | Weighted Mean Stipend |
|------------------|---------------------|-----------------------|
| 1st Post-MD Year | 19,542 | \$47,372 |
| 2nd Post-MD Year | 19,262 | 49,234 |
| 3rd Post-MD Year | 18,560 | 51,185 |
| 4th Post-MD Year | 14,384 | 53,273 |
| 5th Post-MD Year | 9,427 | 55,603 |
| 6th Post-MD Year | 5,388 | 58,074 |
| 7th Post-MD Year | 1,745 | 60,166 |
| 8th Post-MD Year | 364 | 61,776 |
| Northeast | | |
| 1st Post-MD Year | 7,229 | \$49,635 |
| 2nd Post-MD Year | 6,971 | 51,763 |
| 3rd Post-MD Year | 6,536 | 54,137 |
| 4th Post-MD Year | 5,028 | 56,355 |
| 5th Post-MD Year | 3,162 | 59,094 |
| 6th Post-MD Year | 1,820 | 61,626 |
| 7th Post-MD Year | 557 | 64,463 |
| 8th Post-MD Year | 91 | 70,529 |
| South | | |
| 1st Post-MD Year | 5,339 | \$45,123 |
| 2nd Post-MD Year | 5,232 | 46,594 |
| 3rd Post-MD Year | 5,166 | 48,196 |
| 4th Post-MD Year | 4,046 | 49,962 |
| 5th Post-MD Year | 2,556 | 51,870 |
| 6th Post-MD Year | 1,397 | 54,029 |
| 7th Post-MD Year | 491 | 55,960 |
| 8th Post-MD Year | 154 | 57,540 |
| Midwest | | |
| 1st Post-MD Year | 4,278 | \$46,478 |
| 2nd Post-MD Year | 4,183 | 48,226 |
| 3rd Post-MD Year | 4,059 | 49,876 |
| 4th Post-MD Year | 3,209 | 52,012 |
| 5th Post-MD Year | 2,165 | 54,134 |
| 6th Post-MD Year | 1,261 | 56,290 |
| 7th Post-MD Year | 418 | 57,892 |
| 8th Post-MD Year | 87 | 58,946 |
| West | | |
| 1st Post-MD Year | 2,696 | \$47,178 |
| 2nd Post-MD Year | 2,877 | 49,371 |
| 3rd Post-MD Year | 2,799 | 51,703 |
| 4th Post-MD Year | 2,101 | 54,202 |
| 5th Post-MD Year | 1,544 | 56,693 |
| 6th Post-MD Year | 910 | 59,654 |
| 7th Post-MD Year | 279 | 62,396 |
| 8th Post-MD Year | 32 | 64,970 |

Table 5.

Mean Resident/Fellow Stipends Nationwide

By Region and Ownership
Academic Year 2009-2010

| All Respondents* | Northeast | South | Midwest | West | All Regions |
|-----------------------------------|-----------|----------|----------|----------|-------------|
| 1st Post-MD Year | \$49,700 | \$45,349 | \$46,310 | \$47,268 | \$47,458 |
| 2nd Post-MD Year | 51,960 | 46,860 | 47,876 | 49,472 | 49,337 |
| 3rd Post-MD Year | 54,402 | 48,500 | 49,469 | 51,915 | 51,363 |
| 4th Post-MD Year | 56,652 | 50,290 | 51,286 | 54,417 | 53,432 |
| 5th Post-MD Year | 59,111 | 52,004 | 53,154 | 56,957 | 55,570 |
| 6th Post-MD Year | 61,528 | 53,945 | 55,150 | 58,830 | 57,871 |
| State Hospitals | | | | | |
| 1st Post-MD Year | - | 44,924 | - | - | 46,857 |
| 2nd Post-MD Year | - | 46,345 | - | - | 48,615 |
| 3rd Post-MD Year | - | 47,951 | - | - | 50,537 |
| 4th Post-MD Year | - | 49,602 | - | - | 52,547 |
| 5th Post-MD Year | - | 51,373 | - | - | 54,570 |
| 6th Post-MD Year | - | 53,485 | - | - | 56,814 |
| Municipal Hospitals | | | | | |
| 1st Post-MD Year | - | 45,317 | - | - | 47,001 |
| 2nd Post-MD Year | - | 46,838 | - | - | 49,003 |
| 3rd Post-MD Year | - | 48,425 | - | - | 51,333 |
| 4th Post-MD Year | - | 49,945 | - | - | 53,314 |
| 5th Post-MD Year | - | 51,764 | - | - | 55,421 |
| 6th Post-MD Year | - | 53,674 | - | - | 58,510 |
| Church Hospitals | | | | | |
| 1st Post-MD Year | - | - | 46,264 | - | 47,539 |
| 2nd Post-MD Year | - | - | 47,813 | - | 49,334 |
| 3rd Post-MD Year | - | - | 49,214 | - | 51,033 |
| 4th Post-MD Year | - | - | 50,832 | - | 52,897 |
| 5th Post-MD Year | - | - | 52,361 | - | 53,762 |
| 6th Post-MD Year | - | - | - | - | 56,068 |
| Other Non-Profit Hospitals | | | | | |
| 1st Post-MD Year | 49,674 | 45,859 | 46,562 | 47,828 | 48,258 |
| 2nd Post-MD Year | 51,890 | 47,416 | 48,184 | 50,313 | 50,265 |
| 3rd Post-MD Year | 54,300 | 49,135 | 49,805 | 53,324 | 52,445 |
| 4th Post-MD Year | 56,542 | 51,058 | 51,610 | 56,104 | 54,603 |
| 5th Post-MD Year | 59,112 | 53,004 | 53,912 | 59,003 | 57,017 |
| 6th Post-MD Year | 61,594 | 54,834 | 56,281 | 59,225 | 59,292 |
| Medical Schools | | | | | |
| 1st Post-MD Year | 49,179 | 45,079 | 46,114 | 46,503 | 46,148 |
| 2nd Post-MD Year | 51,118 | 46,600 | 47,644 | 48,459 | 47,793 |
| 3rd Post-MD Year | 53,292 | 48,208 | 49,203 | 50,419 | 49,513 |
| 4th Post-MD Year | 55,517 | 50,037 | 51,036 | 52,672 | 51,460 |
| 5th Post-MD Year | 57,668 | 51,424 | 52,424 | 54,977 | 53,202 |
| 6th Post-MD Year | 59,850 | 53,368 | 53,953 | 57,440 | 55,269 |

Note: A dash ("-") indicates that the number of respondents in that group was too small to report (fewer than five). An asterisk ("*") indicates the inclusion of three for-profit hospitals.

Table 6.

25th Percentile Resident/Fellow Stipends Nationwide

By Region and Ownership
Academic Year 2009-2010

| All Respondents* | Northeast | South | Midwest | West | All Regions |
|-----------------------------------|-----------|----------|----------|----------|-------------|
| 1st Post-MD Year | \$46,763 | \$44,168 | \$45,141 | \$46,118 | \$45,331 |
| 2nd Post-MD Year | 48,522 | 45,525 | 46,846 | 48,408 | 46,976 |
| 3rd Post-MD Year | 50,980 | 47,179 | 48,408 | 50,546 | 48,774 |
| 4th Post-MD Year | 53,033 | 48,900 | 49,762 | 52,670 | 50,466 |
| 5th Post-MD Year | 55,048 | 50,587 | 51,396 | 54,704 | 51,912 |
| 6th Post-MD Year | 56,925 | 52,512 | 53,477 | 57,089 | 54,110 |
| State Hospitals | | | | | |
| 1st Post-MD Year | - | 44,168 | - | - | 44,901 |
| 2nd Post-MD Year | - | 45,131 | - | - | 46,384 |
| 3rd Post-MD Year | - | 47,019 | - | - | 47,617 |
| 4th Post-MD Year | - | 48,508 | - | - | 49,008 |
| 5th Post-MD Year | - | 49,627 | - | - | 51,008 |
| 6th Post-MD Year | - | 51,649 | - | - | 53,209 |
| Municipal Hospitals | | | | | |
| 1st Post-MD Year | - | 44,194 | - | - | 44,644 |
| 2nd Post-MD Year | - | 46,095 | - | - | 46,316 |
| 3rd Post-MD Year | - | 47,621 | - | - | 47,994 |
| 4th Post-MD Year | - | 48,520 | - | - | 49,751 |
| 5th Post-MD Year | - | 50,577 | - | - | 51,407 |
| 6th Post-MD Year | - | 52,085 | - | - | 53,155 |
| Church Hospitals | | | | | |
| 1st Post-MD Year | - | - | 45,101 | - | 45,563 |
| 2nd Post-MD Year | - | - | 46,889 | - | 47,209 |
| 3rd Post-MD Year | - | - | 48,781 | - | 48,790 |
| 4th Post-MD Year | - | - | 50,439 | - | 50,659 |
| 5th Post-MD Year | - | - | 51,683 | - | 51,912 |
| 6th Post-MD Year | - | - | - | - | 53,102 |
| Other Non-Profit Hospitals | | | | | |
| 1st Post-MD Year | 46,854 | 44,752 | 45,063 | 46,084 | 45,725 |
| 2nd Post-MD Year | 48,491 | 46,131 | 46,736 | 48,065 | 47,500 |
| 3rd Post-MD Year | 50,940 | 47,707 | 47,947 | 50,030 | 49,135 |
| 4th Post-MD Year | 53,011 | 49,536 | 49,191 | 52,229 | 51,168 |
| 5th Post-MD Year | 54,920 | 51,215 | 51,620 | 54,617 | 53,106 |
| 6th Post-MD Year | 56,744 | 53,149 | 54,110 | 56,703 | 54,772 |
| Medical Schools | | | | | |
| 1st Post-MD Year | 45,973 | 43,988 | 45,152 | 45,765 | 44,286 |
| 2nd Post-MD Year | 48,186 | 45,466 | 46,722 | 47,668 | 45,937 |
| 3rd Post-MD Year | 50,204 | 47,132 | 47,810 | 49,544 | 47,264 |
| 4th Post-MD Year | 52,412 | 48,871 | 49,040 | 51,928 | 49,029 |
| 5th Post-MD Year | 54,978 | 50,573 | 50,146 | 54,120 | 50,620 |
| 6th Post-MD Year | 56,910 | 52,453 | 50,735 | 56,189 | 52,496 |

Note: A dash ("-") indicates that the number of respondents in that group was too small to report (fewer than five). An asterisk ("*") indicates the inclusion of three for-profit hospitals.

Table 7.

Median (50th Percentile) Resident/Fellow Stipends Nationwide

By Region and Ownership
Academic Year 2009-2010

| All Respondents* | Northeast | South | Midwest | West | All Regions |
|-----------------------------------|-----------|----------|----------|----------|-------------|
| 1st Post-MD Year | \$49,727 | \$45,331 | \$45,938 | \$47,166 | \$46,717 |
| 2nd Post-MD Year | 51,844 | 46,984 | 47,700 | 48,816 | 48,406 |
| 3rd Post-MD Year | 53,985 | 48,608 | 49,200 | 50,715 | 50,406 |
| 4th Post-MD Year | 56,700 | 50,333 | 51,160 | 52,944 | 52,599 |
| 5th Post-MD Year | 58,713 | 51,414 | 53,175 | 55,275 | 54,689 |
| 6th Post-MD Year | 60,631 | 53,720 | 55,345 | 57,249 | 57,000 |
| State Hospitals | | | | | |
| 1st Post-MD Year | - | 44,720 | - | - | 46,348 |
| 2nd Post-MD Year | - | 46,350 | - | - | 48,123 |
| 3rd Post-MD Year | - | 47,518 | - | - | 49,970 |
| 4th Post-MD Year | - | 49,005 | - | - | 51,877 |
| 5th Post-MD Year | - | 50,884 | - | - | 54,287 |
| 6th Post-MD Year | - | 53,131 | - | - | 56,381 |
| Municipal Hospitals | | | | | |
| 1st Post-MD Year | - | 45,364 | - | - | 46,232 |
| 2nd Post-MD Year | - | 46,683 | - | - | 48,111 |
| 3rd Post-MD Year | - | 48,244 | - | - | 49,779 |
| 4th Post-MD Year | - | 49,834 | - | - | 51,443 |
| 5th Post-MD Year | - | 51,409 | - | - | 53,519 |
| 6th Post-MD Year | - | 53,103 | - | - | 56,503 |
| Church Hospitals | | | | | |
| 1st Post-MD Year | - | - | 45,676 | - | 47,500 |
| 2nd Post-MD Year | - | - | 47,523 | - | 48,000 |
| 3rd Post-MD Year | - | - | 48,899 | - | 49,004 |
| 4th Post-MD Year | - | - | 50,742 | - | 51,151 |
| 5th Post-MD Year | - | - | 52,269 | - | 52,972 |
| 6th Post-MD Year | - | - | - | - | 55,478 |
| Other Non-Profit Hospitals | | | | | |
| 1st Post-MD Year | 49,714 | 45,672 | 45,984 | 47,166 | 47,348 |
| 2nd Post-MD Year | 51,969 | 47,356 | 47,732 | 48,828 | 49,317 |
| 3rd Post-MD Year | 54,136 | 49,042 | 49,569 | 51,639 | 51,250 |
| 4th Post-MD Year | 57,043 | 50,873 | 51,910 | 53,432 | 53,501 |
| 5th Post-MD Year | 59,106 | 52,865 | 54,474 | 55,695 | 56,191 |
| 6th Post-MD Year | 61,861 | 55,000 | 56,650 | 57,435 | 58,438 |
| Medical Schools | | | | | |
| 1st Post-MD Year | 48,862 | 45,264 | 46,193 | 46,809 | 45,932 |
| 2nd Post-MD Year | 50,695 | 46,803 | 47,716 | 48,816 | 47,585 |
| 3rd Post-MD Year | 53,180 | 48,426 | 49,350 | 50,715 | 49,414 |
| 4th Post-MD Year | 55,366 | 49,918 | 51,110 | 52,768 | 51,449 |
| 5th Post-MD Year | 57,500 | 50,953 | 52,000 | 54,868 | 52,563 |
| 6th Post-MD Year | 59,226 | 52,938 | 53,600 | 57,093 | 54,699 |

Note: A dash ("-") indicates that the number of respondents in that group was too small to report (fewer than five). An asterisk ("*") indicates the inclusion of three for-profit hospitals.

Table 8.

75th Percentile Resident/Fellow Stipends Nationwide

By Region and Ownership
Academic Year 2009-2010

| All Respondents* | Northeast | South | Midwest | West | All Regions |
|-----------------------------------|-----------|----------|----------|----------|-------------|
| 1st Post-MD Year | \$51,979 | \$46,566 | \$47,348 | \$47,883 | \$49,328 |
| 2nd Post-MD Year | 54,699 | 48,013 | 48,567 | 49,593 | 51,431 |
| 3rd Post-MD Year | 57,442 | 49,702 | 50,529 | 52,489 | 53,550 |
| 4th Post-MD Year | 59,921 | 51,680 | 53,300 | 55,840 | 55,737 |
| 5th Post-MD Year | 62,807 | 53,421 | 54,881 | 58,715 | 58,030 |
| 6th Post-MD Year | 66,350 | 55,352 | 56,981 | 60,969 | 60,587 |
| State Hospitals | | | | | |
| 1st Post-MD Year | - | 45,656 | - | - | 47,396 |
| 2nd Post-MD Year | - | 47,698 | - | - | 49,446 |
| 3rd Post-MD Year | - | 49,571 | - | - | 51,448 |
| 4th Post-MD Year | - | 51,473 | - | - | 53,837 |
| 5th Post-MD Year | - | 53,365 | - | - | 55,776 |
| 6th Post-MD Year | - | 55,339 | - | - | 57,854 |
| Municipal Hospitals | | | | | |
| 1st Post-MD Year | - | 46,800 | - | - | 47,277 |
| 2nd Post-MD Year | - | 48,329 | - | - | 49,419 |
| 3rd Post-MD Year | - | 50,089 | - | - | 52,963 |
| 4th Post-MD Year | - | 51,880 | - | - | 56,679 |
| 5th Post-MD Year | - | 53,288 | - | - | 59,356 |
| 6th Post-MD Year | - | 55,957 | - | - | 65,704 |
| Church Hospitals | | | | | |
| 1st Post-MD Year | - | - | 47,932 | - | 49,664 |
| 2nd Post-MD Year | - | - | 48,519 | - | 52,210 |
| 3rd Post-MD Year | - | - | 49,484 | - | 54,059 |
| 4th Post-MD Year | - | - | 51,306 | - | 55,961 |
| 5th Post-MD Year | - | - | 53,341 | - | 56,474 |
| 6th Post-MD Year | - | - | - | - | 59,747 |
| Other Non-Profit Hospitals | | | | | |
| 1st Post-MD Year | 52,065 | 47,309 | 48,625 | 49,537 | 50,384 |
| 2nd Post-MD Year | 54,734 | 48,884 | 50,150 | 53,031 | 52,783 |
| 3rd Post-MD Year | 57,230 | 50,824 | 51,700 | 56,963 | 55,589 |
| 4th Post-MD Year | 59,500 | 52,943 | 53,650 | 59,309 | 57,860 |
| 5th Post-MD Year | 61,877 | 55,001 | 56,500 | 62,033 | 60,545 |
| 6th Post-MD Year | 66,350 | 57,090 | 58,600 | 61,988 | 63,349 |
| Medical Schools | | | | | |
| 1st Post-MD Year | 50,808 | 46,010 | 47,530 | 47,297 | 47,262 |
| 2nd Post-MD Year | 54,251 | 47,625 | 48,995 | 49,194 | 48,923 |
| 3rd Post-MD Year | 57,572 | 49,427 | 50,594 | 51,167 | 50,781 |
| 4th Post-MD Year | 60,934 | 51,483 | 53,323 | 53,603 | 53,280 |
| 5th Post-MD Year | 62,552 | 52,563 | 55,249 | 56,018 | 55,317 |
| 6th Post-MD Year | 64,159 | 54,586 | 57,336 | 58,394 | 57,532 |

Note: A dash ("-") indicates that the number of respondents in that group was too small to report (fewer than five). An asterisk ("*") indicates the inclusion of three for-profit hospitals.

Table 9.

Number of Respondents to Stipend Questions

By Region and Ownership

Academic Year 2009-2010

| All Respondents* | Northeast | South | Midwest | West | All Regions |
|-----------------------------------|-----------|-------|---------|------|-------------|
| 1st Post-MD Year | 80 | 55 | 51 | 25 | 211 |
| 2nd Post-MD Year | 80 | 56 | 51 | 25 | 212 |
| 3rd Post-MD Year | 80 | 56 | 51 | 25 | 212 |
| 4th Post-MD Year | 81 | 56 | 51 | 25 | 213 |
| 5th Post-MD Year | 77 | 53 | 49 | 25 | 204 |
| 6th Post-MD Year | 75 | 48 | 40 | 24 | 187 |
| State Hospitals | | | | | |
| 1st Post-MD Year | 4 | 7 | 2 | 4 | 17 |
| 2nd Post-MD Year | 4 | 8 | 2 | 4 | 18 |
| 3rd Post-MD Year | 4 | 8 | 2 | 4 | 18 |
| 4th Post-MD Year | 4 | 8 | 2 | 4 | 18 |
| 5th Post-MD Year | 4 | 8 | 2 | 4 | 18 |
| 6th Post-MD Year | 4 | 8 | 2 | 4 | 18 |
| Municipal Hospitals | | | | | |
| 1st Post-MD Year | 2 | 8 | 2 | 4 | 16 |
| 2nd Post-MD Year | 2 | 8 | 2 | 4 | 16 |
| 3rd Post-MD Year | 2 | 8 | 2 | 4 | 16 |
| 4th Post-MD Year | 2 | 8 | 2 | 4 | 16 |
| 5th Post-MD Year | 2 | 8 | 2 | 4 | 16 |
| 6th Post-MD Year | 2 | 6 | 2 | 4 | 14 |
| Church Hospitals | | | | | |
| 1st Post-MD Year | 3 | 0 | 6 | 0 | 9 |
| 2nd Post-MD Year | 3 | 0 | 6 | 0 | 9 |
| 3rd Post-MD Year | 3 | 0 | 6 | 0 | 9 |
| 4th Post-MD Year | 3 | 0 | 6 | 0 | 9 |
| 5th Post-MD Year | 2 | 0 | 6 | 0 | 8 |
| 6th Post-MD Year | 2 | 0 | 4 | 0 | 6 |
| Other Non-Profit Hospitals | | | | | |
| 1st Post-MD Year | 62 | 18 | 24 | 9 | 113 |
| 2nd Post-MD Year | 62 | 18 | 24 | 9 | 113 |
| 3rd Post-MD Year | 62 | 18 | 24 | 9 | 113 |
| 4th Post-MD Year | 63 | 18 | 24 | 9 | 114 |
| 5th Post-MD Year | 60 | 18 | 23 | 9 | 110 |
| 6th Post-MD Year | 58 | 17 | 19 | 8 | 102 |
| Medical Schools | | | | | |
| 1st Post-MD Year | 7 | 22 | 16 | 8 | 53 |
| 2nd Post-MD Year | 7 | 22 | 16 | 8 | 53 |
| 3rd Post-MD Year | 7 | 22 | 16 | 8 | 53 |
| 4th Post-MD Year | 7 | 22 | 16 | 8 | 53 |
| 5th Post-MD Year | 7 | 19 | 15 | 8 | 49 |
| 6th Post-MD Year | 7 | 17 | 13 | 8 | 45 |

An asterisk ("**") indicates the inclusion of three for-profit hospitals.

Resident/Fellow Funding Sources

OVERVIEW

Tables 10 and **11** provide insight into the financing of stipends and benefits for residents and fellows. Included are the ratio of benefits to stipends and the sources of funding for residents and fellows.

Whereas data reported in Section 1 reflect the current academic year (2009-2010), data in Section 2 represent fiscal information for 2008-2009, the most recent year for which financial data are available at most AAMC member institutions. For many institutions, this was for the period from July 1, 2008 to June 30, 2009.

RATIO OF BENEFITS TO STIPENDS

Table 10 shows the ratio of benefit expenditures to stipend expenditures. Note that this is not the ratio of benefits to total (benefit plus stipend) expenditures. For example, for this table, \$2,000,000 in benefit expenditures and \$8,000,000 in stipend expenditures corresponds to a ratio of 0.25 (and not 0.20).

For all responding institutions, the ratio of benefits to stipends was 0.29, largely comparable to previous findings in the AAMC Resident/Fellow Survey. On average, spending on resident and fellow benefits as a ratio of spending on stipends was quite similar across the region and ownership groups.

FUNDING SOURCES

Table 11 reports the distribution of funding sources for 2008-2009 resident and fellow stipend and benefits expenditures. Patient revenue and general operating appropriations continue to be the primary funding source for stipends and benefits, contributing 65.0 percent of the total funding in 2008-2009.

Among ownership groups, other non-profit hospitals continue to rely more heavily on patient revenues to fund resident and fellow expenditures than do public hospitals.

Table 10.

Ratio of Benefits to Stipends

By Region and Ownership

Fiscal Year 2008-2009¹

| Mean Values | Northeast | South | Midwest | West | All Regions |
|--|------------------|--------------|----------------|-------------|--------------------|
| All Respondents* | 0.30 | 0.28 | 0.28 | 0.26 | 0.29 |
| State Hospitals | - | 0.25 | - | - | 0.31 |
| Municipal Hospitals | - | 0.26 | - | 0.23 | 0.26 |
| Church Hospitals | - | - | 0.29 | - | 0.30 |
| Other Non-Profit Hospitals | 0.30 | 0.28 | 0.28 | 0.30 | 0.29 |
| Medical Schools | 0.26 | 0.30 | 0.28 | 0.22 | 0.28 |
| Median Values | | | | | |
| All Respondents* | 0.28 | 0.27 | 0.29 | 0.27 | 0.28 |
| State Hospitals | - | 0.25 | - | - | 0.30 |
| Municipal Hospitals | - | 0.26 | - | 0.22 | 0.26 |
| Church Hospitals | - | - | 0.30 | - | 0.29 |
| Other Non-Profit Hospitals | 0.28 | 0.27 | 0.30 | 0.32 | 0.28 |
| Medical Schools | 0.30 | 0.28 | 0.28 | 0.23 | 0.28 |
| 25th Percentile Values | | | | | |
| All Respondents* | 0.25 | 0.22 | 0.22 | 0.21 | 0.23 |
| State Hospitals | - | 0.19 | - | - | 0.25 |
| Municipal Hospitals | - | 0.21 | - | 0.10 | 0.21 |
| Church Hospitals | - | - | 0.24 | - | 0.27 |
| Other Non-Profit Hospitals | 0.24 | 0.20 | 0.21 | 0.23 | 0.23 |
| Medical Schools | 0.20 | 0.25 | 0.23 | 0.13 | 0.23 |
| 75th Percentile Values | | | | | |
| All Respondents* | 0.35 | 0.33 | 0.35 | 0.34 | 0.33 |
| State Hospitals | - | 0.28 | - | - | 0.40 |
| Municipal Hospitals | - | 0.30 | - | 0.36 | 0.32 |
| Church Hospitals | - | - | 0.34 | - | 0.35 |
| Other Non-Profit Hospitals | 0.35 | 0.33 | 0.35 | 0.36 | 0.35 |
| Medical Schools | 0.33 | 0.33 | 0.35 | 0.30 | 0.33 |

¹Data are reported for the most recently completed fiscal year.

Note: A dash ("-") indicates that the number of respondents in that group was too small to report (fewer than five).

An asterisk ("**") indicates the inclusion of three for-profit hospitals.

Table 11.

Funding Sources for Stipends and Benefits by Ownership

Sources for Residents and Fellows Combined
Fiscal Year 2008-2009¹

| Funding Source | All Respondents | State Hospitals | Municipal Hospitals | Church Hospitals | Other Non-Profit Hospitals | Medical Schools |
|--|-----------------|-----------------|---------------------|------------------|----------------------------|-----------------|
| Patient Revenues/General Operating Funds | 65.0% | 74.0% | 50.1% | - | 81.4% | 31.9% |
| State and Municipal Appropriations | 2.5 | 2.6 | 1.8 | - | 2.0 | 3.9 |
| Managed Care Organization Payments | 0.3 | 0.0 | 0.8 | - | 0.4 | 0.0 |
| Veterans Affairs Appropriations | 7.0 | 5.9 | 13.2 | - | 3.0 | 13.3 |
| Physician Fee Revenue | 2.9 | 7.3 | 3.5 | - | 1.1 | 2.7 |
| Medical School/University Funds | 2.9 | 4.0 | 1.6 | - | 2.2 | 4.1 |
| National Institutes of Health | 1.0 | 1.2 | 0.5 | - | 1.4 | 0.2 |
| Other Federal Agencies | 5.0 | 0.7 | 24.8 | - | 5.2 | 1.3 |
| Endowment Income | 0.1 | 0.1 | 0.0 | - | 0.1 | 0.4 |
| Foundation Grants, Voluntary Agencies | 0.3 | 0.7 | 0.0 | - | 0.2 | 0.2 |
| Other | 13.1 | 3.7 | 3.8 | - | 3.2 | 42.1 |
| Total | 100.0% | 100.0% | 100.0% | - | 100.0% | 100.0% |
| Number of Respondents ² | 92 | 13 | 8 | 3 | 47 | 21 |

¹Data are reported for the most recently completed fiscal year.

²Excluded from this table are an additional 115 institutions that reported total costs for resident/fellow stipends and benefits, but did not break down those costs by source.

Note: A dash ("-") indicates that the number of respondents in that group was too small to report (fewer than five).