

THE 2017 HPS SALARY SURVEY

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Introduction

The 2017 Health Physics Society (HPS) survey data was collected by having health physicists (HPs) submit their responses to survey questions on a web-based data-entry form. As was done in previous years, data was collected in conjunction with a salary survey of certified health physicists (CHPs).

The CHP salary survey results will be reported separately in the CHP Corner in *Health Physics News*.

The survey was also available in hard-copy form for those who preferred to fax or mail their responses.

Questions about this survey should be directed to **Stephen L. Bump** via email: steve.bump@nv5.com.

Data Analysis

The salary ranges marked by HPs on the completed survey forms were rounded to the midpoints of those ranges before statistical analyses were performed. For example, if an HP marked the salary range \$50,000 to \$52,499, their salary was rounded to the midpoint value of \$51,250.

Responses from HPs who were either part-time or retired were not analyzed, since the data did not appear to allow meaningful comparisons to be made.



To minimize skewing the results, data from survey respondents were excluded from the data analysis if they indicated that they earned more than \$350,000 per year.

HP salaries by region are also presented in this report.

Data Presentation

In an effort to make the results of the survey interesting and useful, HPs were subcategorized in several ways by education, primary job responsibility, years of experience, and

combinations of these subcategories.

Readers are advised that for statistical validity, results were given only if there were 10 or more HPs within that subcategory. Data presented for one subcategory of HPs may not be possible for another subcategory. On the bright side, there were more respondents in 2017 versus 2016. This is the third straight year for an increase in respondents.

The subcategories in the tables may also change from year to year, depending on the number of responses received. Every effort was made to keep the subcategories consistent with previous surveys, but if there were fewer than 10 HPs, the results were not given.

Tables and Figures

Tables show results for full-time HPs who received health, vacation, and retirement benefits from their primary employer unless otherwise noted.

Histograms of the data shown in Table 1 – All HPs and Table 2 – Master’s Health Physics are included as Figures 1 and 2 respectively.

All of the following tables are for full-time HPs with health, vacation, and retirement benefits unless otherwise indicated.

Table 1: All HPs

All HPs	Count	Average	Median	Max	Min	Std Dev
HPs	368	108,725	\$101,250	\$290,000	\$10,000	\$43,518

Table 2: HPs by Education and Field

Education	Count	Average	Median	Max	Min	Std Dev
Bachelor's HP	38	\$99,901	\$95,000	\$193,750	\$10,000	\$34,921
Bachelor's Other	68	\$94,459	\$90,000	\$213,200	\$10,000	\$38,253
Master's HP	108	\$108,889	\$102,500	\$210,000	\$10,000	\$37,878
Master's Other	82	\$123,217	\$111,250	\$290,000	\$31,250	\$52,413
PhD HP	20	\$111,188	\$107,500	\$201,250	\$10,000	\$48,205
PhD Other	36	\$116,701	\$111,250	\$220,000	\$10,000	\$46,325

Table 3: HPs by Education and < 6 Years' Experience

Edu & <6 Years' Experience	Count	Average	Median	Max	Min	Std Dev
All HPs	80	\$84,774	\$78,750	\$213,200	\$33,750	\$29,380
Bachelor's HP	11	\$74,659	\$76,250	\$91,250	\$63,750	\$7,768
Bachelor's Other	18	\$83,858	\$76,250	\$213,200	\$46,250	\$36,280
Master's HP	26	\$76,923	\$78,750	\$101,250	\$33,750	\$17,798
Master's Other	13	\$79,904	\$81,250	\$123,750	\$48,750	\$20,732
PhD All	11	\$119,659	\$113,750	\$201,250	\$46,250	\$39,954

Table 4: HPs by Education and 6–15 Years' Experience

Edu & 6–15 Years' Experience	Count	Average	Median	Max	Min	Std Dev
All HPs	85	\$100,588	\$101,250	\$203,750	\$10,000	\$29,117
Bachelor's HP	13	\$100,673	\$101,250	\$126,250	\$68,750	\$18,090
Bachelor's Other	16	\$84,375	\$82,500	\$131,250	\$46,250	\$24,401
Master's HP	25	\$100,250	\$101,250	\$151,250	\$61,250	\$24,281
Master's Other	13	\$114,904	\$111,250	\$203,750	\$81,250	\$32,204
PhD All	17	\$106,912	\$101,250	\$178,750	\$10,000	\$38,314

Table 5: HPs by Education and >15 Years' Experience

Edu & >15 Years' Experience	Count	Average	Median	Max	Min	Std Dev
All HPs	200	\$121,600	\$118,750	\$290,000	\$10,000	\$47,940
Bachelor's HP	14	\$119,018	\$113,750	\$193,750	\$10,000	\$46,787
Bachelor's Other	34	\$104,816	\$102,500	\$193,750	\$10,000	\$42,440
Master's HP	55	\$126,114	\$123,750	\$210,000	\$10,000	\$37,927
PhD HP	56	\$135,201	\$123,750	\$290,000	\$31,250	\$55,854
PhD Other	27	\$120,370	\$121,250	\$220,000	\$10,000	\$53,000

Table 6: HPs by U.S. Regions*

HPs by Region	Count	Average	Median	Max	Min	Std Dev
Northeast	59	\$111,928	\$103,750	\$228,000	\$41,250	\$41,533
Midwest	51	\$107,564	\$106,250	\$234,000	\$31,250	\$39,389
South	116	\$112,498	\$103,750	\$290,000	\$10,000	\$47,250
West	83	\$108,684	\$108,750	\$207,000	\$10,000	\$41,788

*The four major regions of the United States as defined by the U.S. Census Bureau for which data are presented represent groups of states as follows:

Northeast. Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont.

Midwest. Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin.

South. Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia.

West. Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.

Table 7: Master's Health Physics and Primary Employer

Master's Health Physics and Primary Employer	Count	Average	Median	Max	Min	Std Dev
Federal	17	\$111,397	\$101,250	\$163,750	\$63,750	\$33,750
State	12	\$74,583	\$76,250	\$98,750	\$48,750	\$15,050
Medical	12	\$122,917	\$117,500	\$171,250	\$66,250	\$34,614
University	17	\$103,309	\$96,250	\$188,750	\$33,750	\$39,531
National Laboratory	14	\$111,071	\$107,500	\$158,750	\$48,750	\$26,952

Table 8: All HPs by Other Certifications

All HPs by Other Certifications	Count	Average	Median	Max	Min	Std Dev
ABR	17	\$151,589	\$161,250	\$234,000	\$10,000	\$66,806
NRRPT	54	\$112,731	\$106,250	\$193,750	\$46,250	\$34,714
Other	81	\$113,170	\$106,250	\$234,000	\$10,000	\$51,656

Table 9: Master's Health Physics and Primary Job Responsibility

Master's Health Physics and Primary Job Responsibility	Count	Average	Median	Max	Min	Std Dev
Applied Health Physics	36	\$106,875	\$101,250	\$171,250	\$48,750	\$32,887
Environmental Health Physics	10	\$74,125	\$78,750	\$116,250	\$10,000	\$34,167
Medical Health Physics	10	\$127,250	\$132,500	\$203,750	\$73,750	\$42,134
Radiological Engineering	11	\$90,795	\$81,250	\$151,250	\$53,750	\$31,993

Table 10: All HPs by Primary Job Responsibility

Primary Job Responsibility	Count	Average	Median	Max	Min	Std Dev
Accelerator	10	\$112,000	\$108,750	\$158,750	\$63,750	\$27,286
Administration	18	\$132,292	\$126,250	\$210,000	\$51,250	\$47,755
Applied Health Physics	94	\$98,551	\$98,750	\$181,250	\$10,000	\$34,652
Dosimetry	20	\$134,000	\$117,500	\$220,000	\$66,250	\$48,134
Emergency Preparedness	16	\$98,516	\$107,500	\$163,750	\$10,000	\$46,744
Environmental	28	\$103,527	\$101,250	\$290,000	\$10,000	\$56,570
Instrumentation	12	\$96,458	\$100,000	\$146,250	\$53,750	\$24,085
Medical Health Physics	47	\$130,575	\$123,750	\$250,000	\$41,250	\$54,735
Radiological Engineering	19	\$100,066	\$98,750	\$193,750	\$66,250	\$27,643
Power Reactor	12	\$129,583	\$125,000	\$191,250	\$78,750	\$28,391
Regulations and Standards	30	\$96,023	\$90,000	\$213,200	\$10,000	\$42,374
Basic Research	17	\$95,221	\$93,750	\$141,250	\$48,750	\$27,643

Table 11: HPs as Professional Staff (All HPs in This Category and by Education)

HPs as Professional Staff	Count	Average	Median	Max	Min	Std Dev
All HPs in this Category	194	\$99,559	\$98,750	\$220,000	\$10,000	\$35,983
Bachelor's HP	26	\$96,490	\$96,250	\$163,750	\$10,000	\$29,415
Bachelor's Other	38	\$89,920	\$82,500	\$213,200	\$31,250	\$34,322
Master's HP	56	\$97,612	\$96,250	\$203,750	\$10,000	\$30,523
Master's Other	32	\$102,188	\$100,000	\$171,250	\$31,250	\$34,177
PhD HP	13	\$110,096	\$101,250	\$201,250	\$23,750	\$45,628
PhD Other	22	\$112,841	\$113,750	\$220,000	\$10,000	\$51,289

Table 12: HPs as Supervisor of Professional Staff (All HPs in This Category and by Education)

HPs as Supervisor of Professional Staff	Count	Average	Median	Max	Min	Std Dev
All HPs in This Category	147	\$122,993	\$116,250	\$290,000	\$10,000	\$45,771

Table 13: All HPs as Facility Manager, RPM/RSO, University RSO

HPs as RPM/RSO	Count	Average	Median	Max	Min	Std Dev
All HPs as RPM/RSO	102	\$118,096	\$106,250	\$250,000	\$10,000	\$46,076
University RSO	25	\$84,500	\$86,250	\$153,750	\$10,000	\$30,657
Medical RSO	41	\$138,342	\$128,750	\$250,000	\$63,750	\$49,986

Figure 1: Histogram of Table 1 Data, all HPs

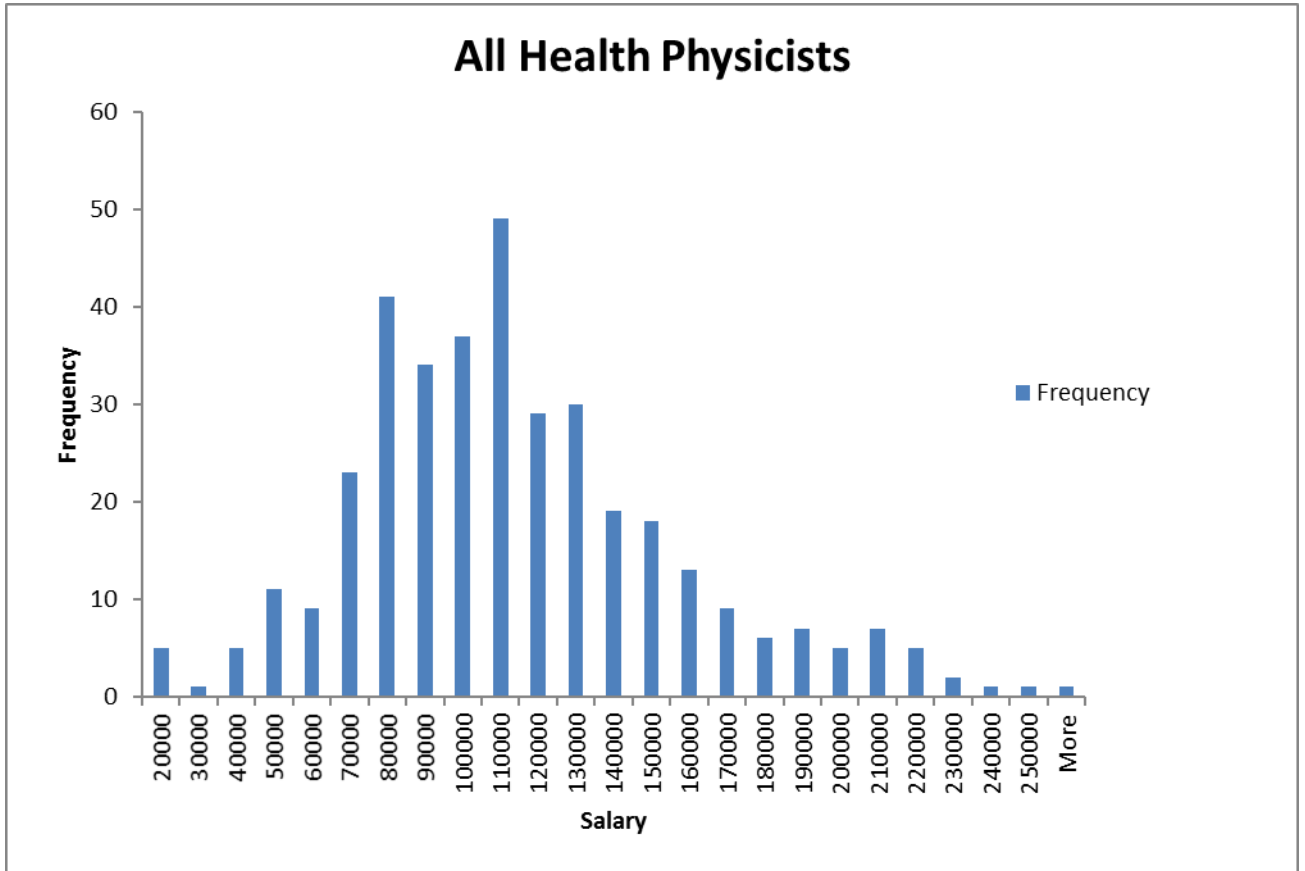
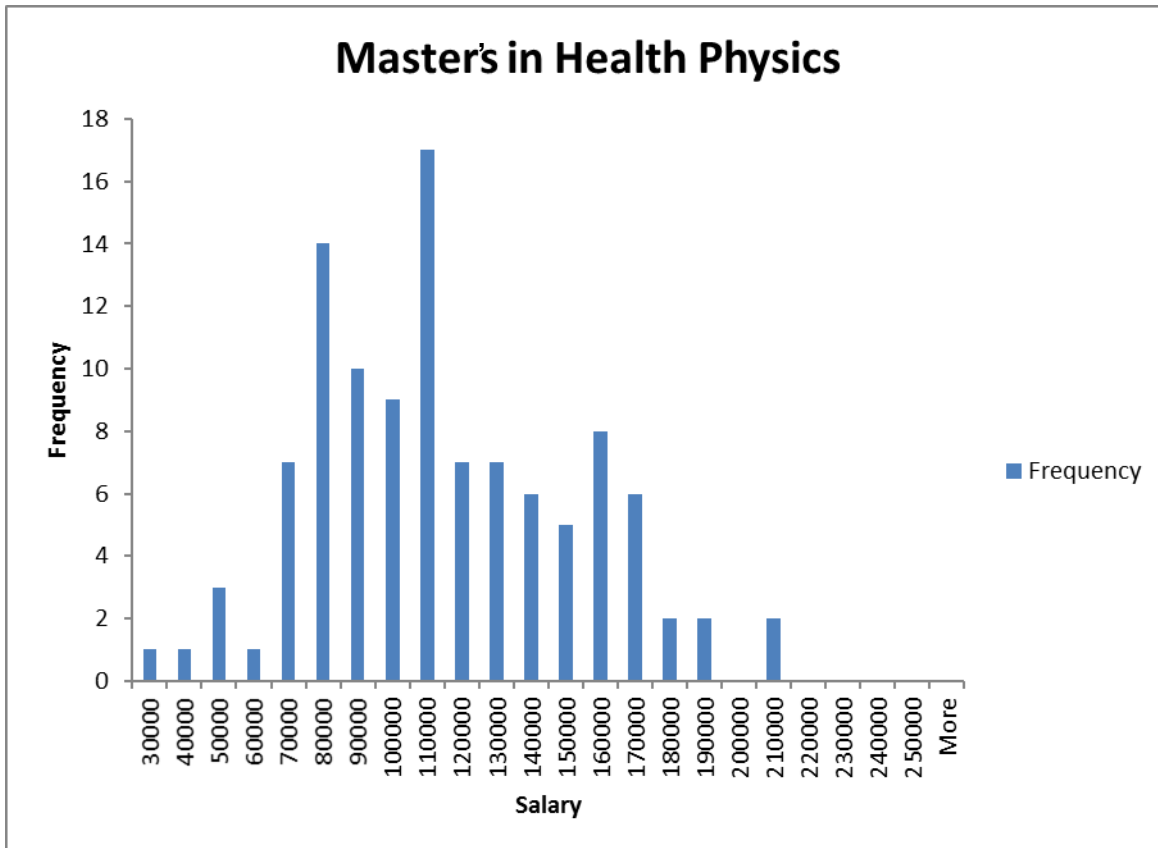


Figure 2: Histogram of Table 2 Data, Master's Health Physics HPs



Acknowledgements

Thank you for participating in this survey. Your confidential data benefits the entire health physics community and is never shared such that it would be possible to identify individual participants.