

THE 2014 CHP SALARY SURVEY

By Gary Lauten

Introduction

The 2014 Certified Health Physicist (CHP) survey data was collected by having CHPs 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 the entire Health Physics Society (HPS).

The HPS salary survey results will be reported separately in the Health Physics Newsletter.

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

Questions about this survey should be directed to Gary Lauten, via email: chpsalarysurvey@yahoo.com

Data Analysis

The salary ranges marked by CHPs on the completed survey forms were rounded to the midpoints of those ranges before statistical analyses were performed. For example, if a CHP marked the salary range \$100,000 to \$102,499; their salary was rounded to the midpoint value of \$101,250. Responses from CHPs who were either part time or retired

All of the following tables are for fulltime CHPs with health, vacation, and retirement benefits unless otherwise indicated.



Were not analyzed, since the data did not allow meaningful comparisons to be made.

To minimize skewing the results, data from four survey respondents were excluded from the data analysis because they indicated that they earned less than \$65,000 or more than \$205,000 per year.

Of 43 respondents who reported receiving a significant (10% or more) salary increase upon attaining ABHP certification: 19% received this increase from their current employer, 16% from a promotion with their current employer, 49% received this increase from a new employer, and 16% did not specify.

CHP salaries by region are also presented in this report.

Data Presentation

In an effort to make the results of the survey interesting and useful, CHPs 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 CHPs within that subcategory. Data presented for one subcategory of CHPs may not be possible for another subcategory.

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 less than 10 CHPs the results were not given.

Tables and Figures

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

Histograms of the data shown in Table 1- All CHPs, and Table 2 - Masters Health Physics are included as Figures 1 and 2 respectively.

Table 1: All CHPs

All CHPs	Count	Average	Median	Max	Min	Std Dev
	176	\$131,250	\$130,000	\$203,750	\$63,750	\$28,566

Table 2: CHPs by Education and Field

Education	Count	Average	Median	Max	Min	Std Dev
Bachelors Health Physics	12	\$133,750	\$132,500	\$193,750	\$96,250	\$26,522
Bachelors Other Field	15	\$118,917	\$123,750	\$151,250	\$88,750	\$18,039
Masters Health Physics	79	\$131,440	\$131,250	\$203,750	\$66,250	\$29,798
Masters Other Field	16	\$128,906	\$125,000	\$201,250	\$73,750	\$30,598
Masters Nuclear Engineering	12	\$127,917	\$127,500	\$176,250	\$78,750	\$32,584
Ph.D. Health Physics	20	\$139,000	\$141,250	\$188,750	\$63,750	\$28,457
Ph.D. Nuclear Engineering	10	\$142,750	\$147,500	\$186,250	\$103,750	\$28,117

Table 3: CHPs by Education and 6-15 Years Experience

Edu & 6-15 Yrs Experience	Count	Average	Median	Max	Min	Std Dev
All CHPs 6-15 yrs Experience	14	\$109,643	\$106,250	\$148,750	\$78,750	\$23,628

Table 4: CHPs by Education and >15 Years Experience

Edu & >15 Yrs Experience	Count	Average	Median	Max	Min	Std Dev
All CHPs >15 yrs Experience	160	\$133,391	\$131,250	\$203,750	\$63,750	\$28,175
Bachelors Health Physics	10	\$137,000	\$132,500	\$193,750	\$101,250	\$26,248
Bachelors Other Field	14	\$121,071	\$123,750	\$151,250	\$96,250	\$16,597
Masters Health Physics	70	\$134,321	\$138,750	\$203,750	\$66,250	\$29,523
Masters Nuclear Engineering	10	\$132,750	\$132,500	\$176,250	\$93,750	\$31,671
Masters Other Field	15	\$131,083	\$126,250	\$201,250	\$73,750	\$30,362
Ph.D. Health Physics	20	\$139,000	\$141,250	\$188,750	\$63,750	\$28,457

Table 5: CHPs by U.S. Regions*

CHPs by Region	Count	Average	Median	Max	Min	Std Dev
Northeast	28	\$127,500	\$122,500	\$201,250	\$86,250	\$27,668
Midwest	26	\$131,250	\$128,750	\$203,750	\$76,250	\$28,071
South	55	\$124,114	\$126,250	\$191,250	\$63,750	\$30,666
West	50	\$137,650	\$138,750	\$201,250	\$73,750	\$26,487

*- 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 6: Masters Health Physics and Primary Employer

Masters Health Physics & Primary Employer	Count	Average	Median	Max	Min	Std Dev
Federal Government	12	\$138,542	\$140,000	\$178,750	\$98,750	\$22,700
Medical	10	\$130,000	\$128,750	\$171,250	\$81,250	\$26,777
National Laboratory	10	\$137,019	\$138,750	\$181,250	\$86,250	\$24,482
Government Contractor	13	\$137,386	\$133,750	\$191,250	\$101,250	\$26,466

Table 7: All CHPs by Other Certifications

All CHPs by Other Certifications	Count	Average	Median	Max	Min	Std Dev
NRRPT	30	\$124,167	\$125,000	\$176,250	\$71,250	\$26,229
Other	23	\$132,446	\$131,250	\$186,250	\$73,750	\$30,487

Table 8: Masters Health Physics and Primary Job Responsibility

Masters Health Physics & Primary Job Responsibility	Count	Average	Median	Max	Min	Std Dev
Applied Health Physics	27	\$128,843	\$136,250	\$181,250	\$66,250	\$28,810

Table 9: All CHPs by Primary Job Responsibility

Primary Job Responsibility	Count	Average	Median	Max	Min	Std Dev
Administration	12	\$135,208	\$142,500	\$178,750	\$73,750	\$29,628
Applied Health Physics	52	\$125,385	\$125,000	\$181,250	\$66,250	\$27,030
Dosimetry	14	\$143,750	\$142,500	\$203,750	\$101,250	\$27,856
Emergency Preparedness	13	\$130,288	\$138,750	\$171,250	\$96,250	\$24,336
Medical Health Physics	12	\$136,875	\$128,750	\$193,750	\$66,250	\$40,803
Power Reactor	14	\$130,179	\$127,500	\$153,750	\$106,250	\$15,182
Regulations/Standards	12	\$136,250	\$138,750	\$161,250	\$86,250	\$21,186

Table 10: CHPs as Professional Staff (All CHPs in this category and by Education)

CHPs as Professional Staff	Count	Average	Median	Max	Min	Std Dev
All CHPs in this Category	89	\$130,801	\$136,250	\$201,250	\$63,750	\$26,360
Masters Health Physics	36	\$132,222	\$137,500	\$201,250	\$81,250	\$27,706
Masters Other Field	10	\$133,250	\$131,250	\$163,750	\$96,250	\$20,132
Ph.D. Health Physics	11	\$129,205	\$136,250	\$156,250	\$63,750	\$27,061

Table 11: CHPs as Supervisor of Professional Staff (All CHPs in this category and by Education)

CHPs as Supervisor of Professional Staff	Count	Average	Median	Max	Min	Std Dev
All CHPs in this Category	31	\$135,927	\$131,250	\$173,750	\$86,250	\$22,507
Masters Health Physics	18	\$131,389	\$133,750	\$173,750	\$86,250	\$22,630

Table 12: All CHPs as Facility Manager, RPM/RSO, University RSO

CHPs as RPM/RSO	Count	Average	Median	Max	Min	Std Dev
All CHPs RPM/RSO	16	\$138,594	\$138,750	\$201,250	\$103,750	\$23,514
All CHPs University RSO	14	\$102,679	\$105,000	\$171,250	\$66,250	\$30,583

Figure 1: Histogram of Table 1 Data, all CHPs

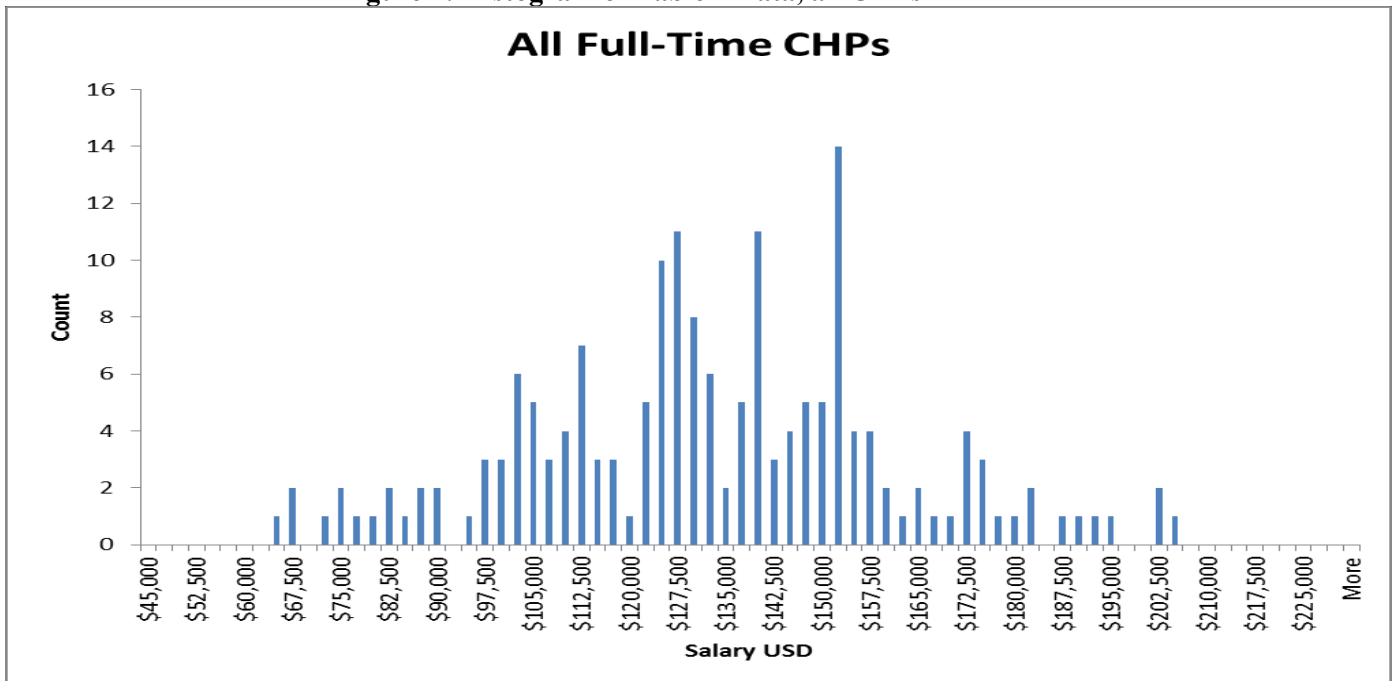
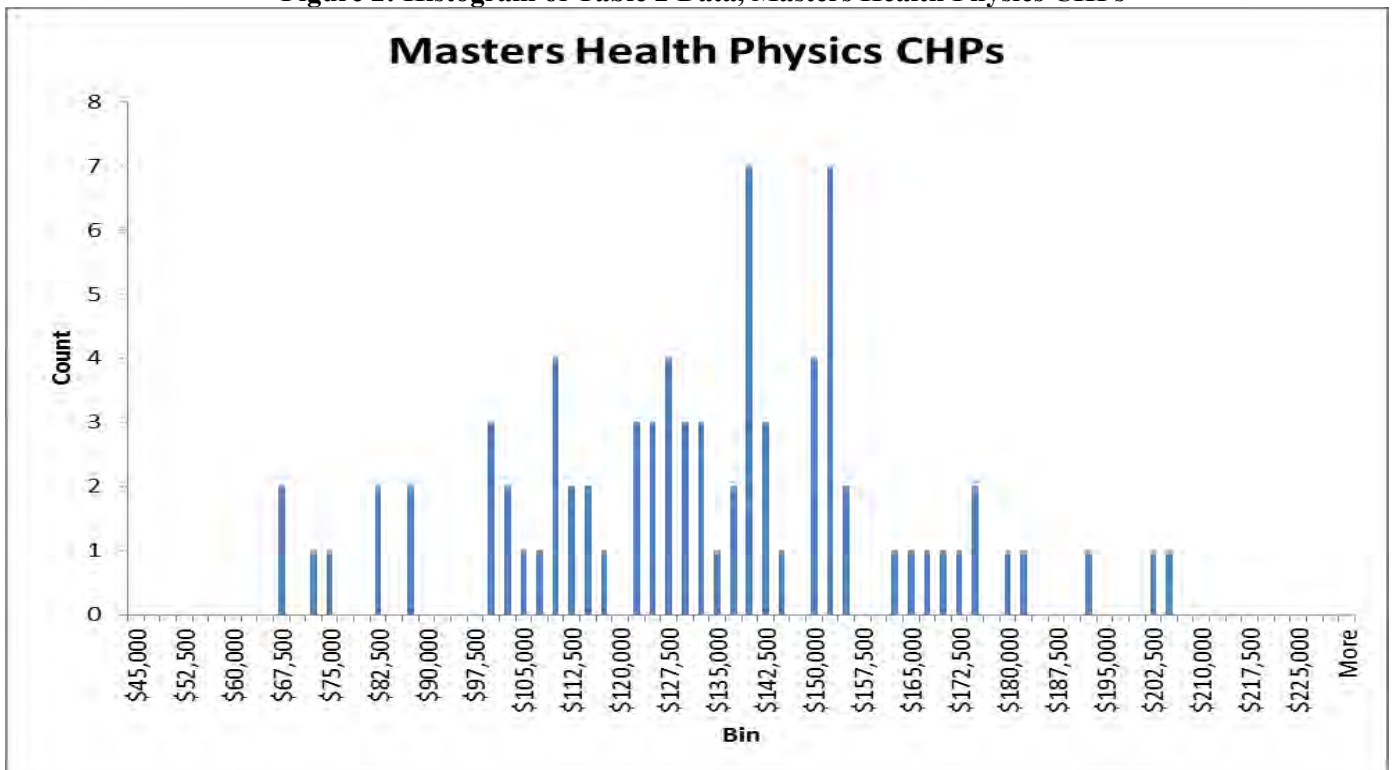


Figure 2: Histogram of Table 2 Data, Masters Health Physics CHPs



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.

THE 2014 HPS SALARY SURVEY

Stephen L. Bump

Introduction

The 2014 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 News*.

The survey was also available in hardcopy 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@moellerinc.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, his or her 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 three survey respondents were excluded from the data analysis because they indicated that they earned more than \$225,000 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. There were approximately 20% fewer respondents in 2014 than in 2013, for example.

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 in 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	205	\$103,872	\$101,250	\$183,750	\$38,750	\$30,873

Table 2: HPs by Education and Field

Education	Count	Average	Median	Max	Min	Std Dev
Bachelor's - HP	26	\$94,808	\$92,500	\$176,250	\$43,750	\$31,750
Bachelor's - Other	49	\$97,015	\$88,750	\$178,750	\$38,750	\$30,996
Master's - HP	62	\$110,202	\$108,750	\$183,750	\$51,250	\$33,220
Master's - Other	40	\$105,688	\$102,500	\$163,750	\$51,250	\$27,371
Master's - Nuclear Engineering	11	\$113,977	\$108,750	\$163,750	\$78,750	\$30,320
PhD - All	23	\$107,880	\$106,250	\$156,250	\$51,250	\$27,434

Table 3: HPs by Education and <6 Years Experience

Edu & <6 Yrs Experience	Count	Average	Median	Max	Min	Std Dev
All HPs <6 yrs Experience	35	\$79,893	\$81,250	\$108,750	\$43,750	\$16,023
Bachelor's - all Fields	12	\$80,625	\$78,750	\$101,250	\$43,750	\$17,325
Master's - HP	13	\$78,173	\$78,750	\$108,750	\$51,250	\$ 15,684

Table 4: HPs by Education and 6-15 Years Experience

Edu & 6-15 Yrs Experience	Count	Average	Median	Max	Min	Std Dev
All HPs 6-15 Yrs Experience	50	\$92,550	\$86,250	\$158,750	\$38,750	\$26,998
Master's - HP	12	\$113,750	\$107,500	\$176,250	\$66,250	\$29,867

Table 5: HPs by Education and >15 Years Experience

Edu & >15 Yrs Experience	Count	Average	Median	Max	Min	Std Dev
Bachelor's - HP	12	\$113,750	\$107,500	\$176,250	\$66,250	\$29,867
Bachelor's - Other	30	\$105,583	\$105,000	\$178,750	\$56,250	\$33,081
Master's - HP	38	\$124,605	\$127,500	\$183,750	\$61,250	\$29,565
Master's - Other	23	\$110,924	\$111,250	\$163,750	\$61,250	\$26,169
PhD - All	11	\$124,886	\$128,750	\$156,250	\$78,750	\$22,841

Table 6: HPs by U.S. Regions*

HPs by Region	Count	Average	Median	Max	Min	Std Dev
Northeast	38	\$96,974	\$91,250	\$181,250	\$43,750	\$31,013
Midwest	34	\$97,426	\$95,000	\$176,250	\$51,250	\$27,942
South	59	\$108,496	\$103,750	\$183,750	\$38,750	\$34,708
West	49	\$108,648	\$103,750	\$176,250	\$58,750	\$28,020

*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 & Primary Employer	Count	Average	Median	Max	Min	Std Dev
Medical	15	\$118,250	\$126,250	\$181,250	\$63,750	\$34,255
Federal	13	\$118,250	\$116,250	\$183,750	\$58,750	\$32,580
University	14	\$86,071	\$86,250	\$141,250	\$51,250	\$23,747

Table 8: All HPs by Other Certifications

All HPs by Other Certifications	Count	Average	Median	Max	Min	Std Dev
NRRPT	32	\$107,031	\$100,000	\$176,250	\$58,750	\$32,276
Other	53	\$116,486	\$111,250	\$181,250	\$61,250	\$30,138

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

Master's Health Physics & Primary Job Responsibility	Count	Average	Median	Max	Min	Std Dev
Applied Health Physics	11	\$102,386	\$91,250	\$146,250	\$63,750	\$29,651
Medical Health Physics	11	\$128,295	\$131,250	\$181,250	\$68,750	\$31,481

Table 10: All HPs by Primary Job Responsibility

Primary Job Responsibility	Count	Average	Median	Max	Min	Std Dev
Administration	13	\$104,135	\$106,250	\$133,750	\$66,250	\$25,635
Applied Health Physics	47	\$101,144	\$96,250	\$176,250	\$51,250	\$29,461
Dosimetry	10	\$118,000	\$123,750	\$146,250	\$68,750	\$25,001
Environmental	17	\$106,250	\$106,250	\$136,250	\$51,250	\$24,431
Instrumentation	11	\$90,568	\$86,250	\$146,250	\$38,750	\$31,127
Medical Health Physics	19	\$118,487	\$118,750	\$181,250	\$61,250	\$30,888
Radiological Assessment	17	\$97,721	\$93,750	\$181,250	\$61,250	\$29,844
Regulations/Standards	16	\$106,406	\$100,000	\$178,750	\$43,750	\$33,757

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	107	\$101,110	\$101,250	\$81,250	\$51,250	\$29,954
Bachelor's - Health Physics	14	\$84,643	\$77,500	\$133,750	\$61,250	\$24,191
Bachelor's - Other Field	25	\$97,450	\$96,250	\$151,250	\$51,250	\$27,803
Master's - Health Physics	33	\$103,068	\$101,250	\$181,250	\$51,250	\$31,327
Master's - Other Field	18	\$109,861	\$110,000	\$163,750	\$51,250	\$34,001

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	21	\$112,083	\$111,250	\$181,250	\$71,250	\$30,744

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

HPs as RPM/RSO	Count	Average	Median	Max	Min	Std Dev
All HPs - RPM/RSO	28	\$110,268	\$105,000	\$176,250	\$68,750	\$26,860
All HPs - University RSO	19	\$89,145	\$83,750	\$148,750	\$61,250	\$23,322
All HPs - Medical RSO	15	\$116,417	\$118,750	\$151,250	\$61,250	\$26,057

Figure 1: Histogram of Table 1 Data, all HPs

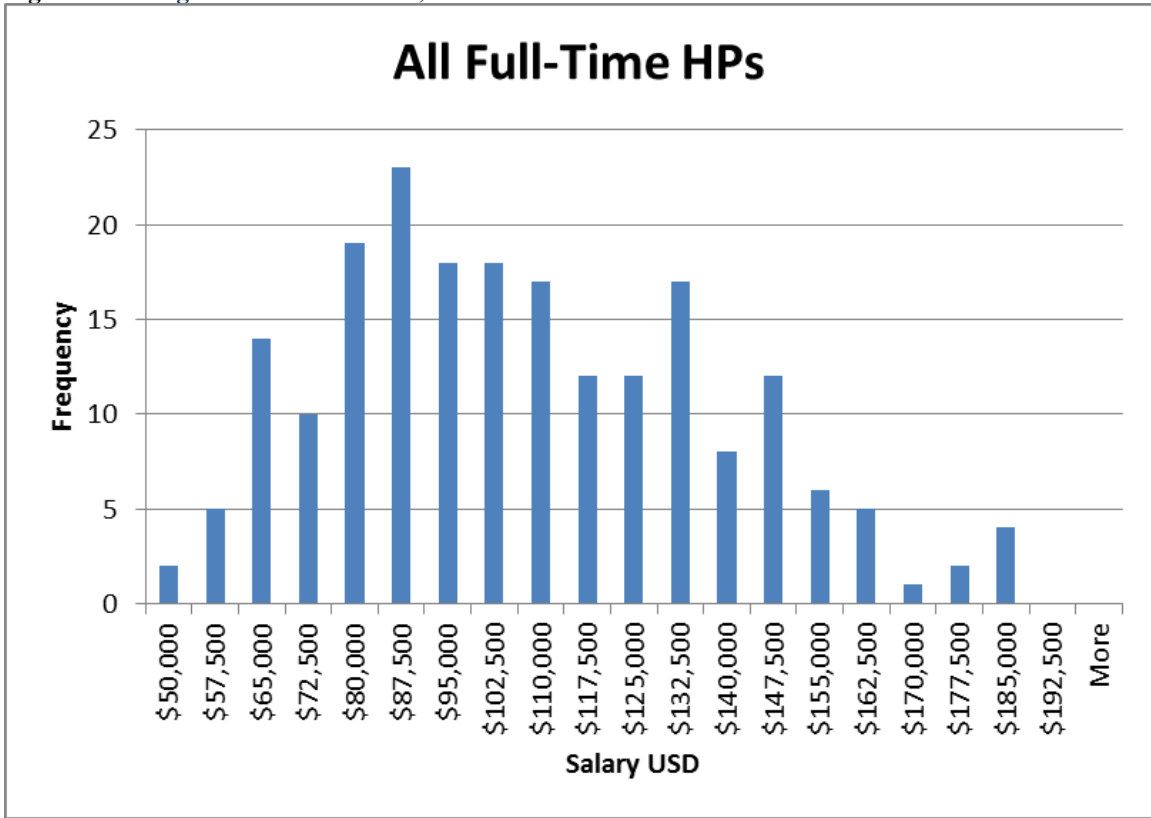
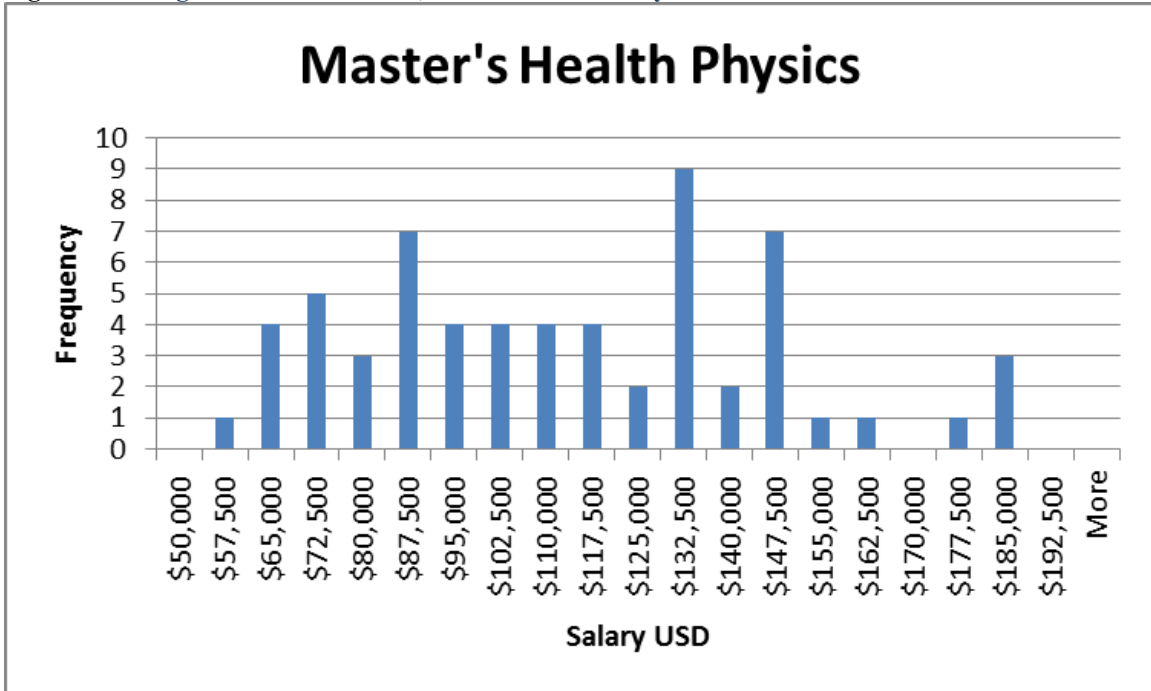


Figure 2: Histogram of Table 2 Data, Master's Health Physics HPs



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.