

The CHP Corner, February 2020

For CHPs, aspiring CHPs, and anyone else on the bell curve.



The American Academy of Health Physics

Address contributions to:

Editor – Dan Sowers, CHP

Associate Editor – Michael Zittle, MHP, CHP

Email: dsowers430@gmail.com

Email: mzittle@uw.edu



WILLIAM A. MCADAMS OUTSTANDING SERVICE AWARD: LAST CALL FOR NOMINATIONS

Wei-Hsung Wang, CHP, Vice Chair, ABHP

Wait! Before you move on to the data and analytics of the salary survey, remember to nominate your esteemed colleague(s) for the William A. McAdams Outstanding Service Award! The due date is **1 March 2020**. Follow the process online via the AAHP Members Only page (www.aahp-abhp.org/user/login). Refer to the January 2020 CHP Corner for more details.

THE 2019 CHP SALARY SURVEY

Gary Lauten

Introduction

The 2019 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 were reported separately in the Health Physics Society's newsfeed.

Questions about this survey should be directed to Gary Lauten, via email at:

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 were not analyzed, since the data did not 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 less than \$70,000 or more than \$230,000 per year.

Of 36 respondents attaining ABHP certification within the last two years, 58% did not receive a significant (10% or more) salary increase, whereas 42% did receive a significant salary increase.

Of respondents receiving a significant (10% or more) salary increase upon attaining ABHP certification within the last two years: 20% received this increase from their current employer, 40% from a promotion with their current employer, 40% received this increase from a new employer, and 0% (none) did not specify.

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 for a subcategory 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.

The CHP Corner, February 2020

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

Table 1: All CHPs

All CHPs	Count	Average	Median	Max	Min	Std Dev
CHPs	201	\$143,242	\$141,250	\$225,000	\$73,750	\$32,443

Table 2: CHPs by Education and Field

Education	Count	Average	Median	Max	Min	Std Dev
Bachelors Health Physics	14	\$126,250	\$116,250	\$178,750	\$76,250	\$28,856
Bachelors Other Field	21	\$132,798	\$128,750	\$181,250	\$88,750	\$28,695
Masters Health Physics	90	\$147,075	\$151,250	\$225,000	\$73,750	\$33,694
Masters Other Field	17	\$137,132	\$126,250	\$186,250	\$81,250	\$33,969
Masters Nuclear Engineering	17	\$145,662	\$146,250	\$183,750	\$111,250	\$21,351
Ph.D. Health Physics	14	\$151,257	\$155,000	\$223,848	\$81,250	\$39,542

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	59	\$125,021	\$121,250	\$201,250	\$76,250	\$25,186
Masters Health Physics	26	\$131,635	\$135,000	\$201,250	\$81,250	\$28,937

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	141	\$151,306	\$151,250	\$225,000	\$73,750	\$31,749
Bachelors Other Field	18	\$136,528	\$132,500	\$181,250	\$88,750	\$28,593
Masters Health Physics	64	\$153,348	\$156,250	\$225,000	\$73,750	\$33,662
Masters Other Field	12	\$151,250	\$157,500	\$186,250	\$101,250	\$29,638
Masters Nuclear Engineering	12	\$152,292	\$151,250	\$183,750	\$111,250	\$20,711
Ph.D. Health Physics	11	\$165,123	\$166,250	\$223,848	\$121,250	\$31,430

Table 5: CHPs by U.S. Regions*

CHPs by Region	Count	Average	Median	Max	Min	Std Dev
Northeast	30	\$143,633	\$132,500	\$220,000	\$76,250	\$37,490
Midwest	25	\$135,150	\$138,750	\$168,750	\$83,750	\$19,312
South	64	\$139,547	\$136,250	\$216,000	\$76,250	\$30,345
West	46	\$147,564	\$147,500	\$223,848	\$73,750	\$34,942

*- 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.

The CHP Corner, February 2020

Table 6: Masters Health Physics and Primary Employer

Masters Health Physics & Primary Employer	Count	Average	Median	Max	Min	Std Dev
Federal Government	12	\$145,625	\$153,750	\$166,250	\$121,250	\$18,032
Medical	14	\$149,732	\$155,000	\$217,500	\$93,750	\$36,520
University	14	\$122,411	\$120,000	\$210,000	\$73,750	\$44,258
National Laboratory	11	\$164,932	\$156,250	\$225,000	\$121,250	\$35,785
Government Contractor	11	\$150,114	\$151,250	\$188,750	\$126,250	\$16,672
Other Commercial	13	\$161,346	\$158,750	\$220,000	\$133,750	\$22,813

Table 7: All CHPs by Other Certifications

All CHPs by Other Certifications	Count	Average	Median	Max	Min	Std Dev
NRRPT	34	\$141,669	\$141,250	\$213,000	\$73,750	\$30,883
Other	38	\$144,336	\$151,250	\$216,000	\$73,750	\$32,872

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	28	\$141,339	\$151,250	\$201,250	\$73,750	\$37,009
Regulations/Standards	11	\$137,614	\$133,750	\$166,250	\$98,750	\$23,568

Table 9: All CHPs by Primary Job Responsibility

Primary Job Responsibility	Count	Average	Median	Max	Min	Std Dev
Administration	12	\$171,292	\$170,000	\$213,000	\$128,750	\$29,935
Applied Health Physics	58	\$137,198	\$133,750	\$201,250	\$73,750	\$33,969
Dosimetry	10	\$135,750	\$135,000	\$178,750	\$103,750	\$20,235
Environmental	15	\$138,417	\$146,250	\$203,750	\$91,250	\$27,789
Medical Health Physics	21	\$153,147	\$153,750	\$219,832	\$88,750	\$35,806
Power Reactor	13	\$143,942	\$138,750	\$178,750	\$106,250	\$23,037
Regulations/Standards	17	\$138,588	\$128,750	\$216,000	\$98,750	\$29,186

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	95	\$134,097	\$128,750	\$220,000	\$76,250	\$28,493
Bachelors Health Physics	10	\$118,750	\$111,250	\$168,750	\$76,250	\$27,131
Masters Health Physics	37	\$139,236	\$141,250	\$220,000	\$83,750	\$30,799
Masters Nuclear Engineering	10	\$145,500	\$146,250	\$183,750	\$111,250	\$24,609

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	30	\$153,628	\$151,250	\$225,000	\$111,250	\$27,987
Masters Health Physics	15	\$148,500	\$146,250	\$225,000	\$116,250	\$29,551

Table 12: All CHPs as RPM/RSO, University RSO, Medical RSO, University-Med RSO

CHPs as RPM/RSO	Count	Average	Median	Max	Min	Std Dev
All CHPs RPM/RSO	24	\$160,313	\$157,500	\$203,750	\$113,750	\$24,681
All CHPs University RSO	13	\$108,942	\$108,750	\$153,750	\$73,750	\$25,809
All CHPs Medical RSO	20	\$168,000	\$166,250	\$216,000	\$126,250	\$26,368
University/Medical RSO	12	\$149,153	\$132,500	\$219,832	\$96,250	\$41,930

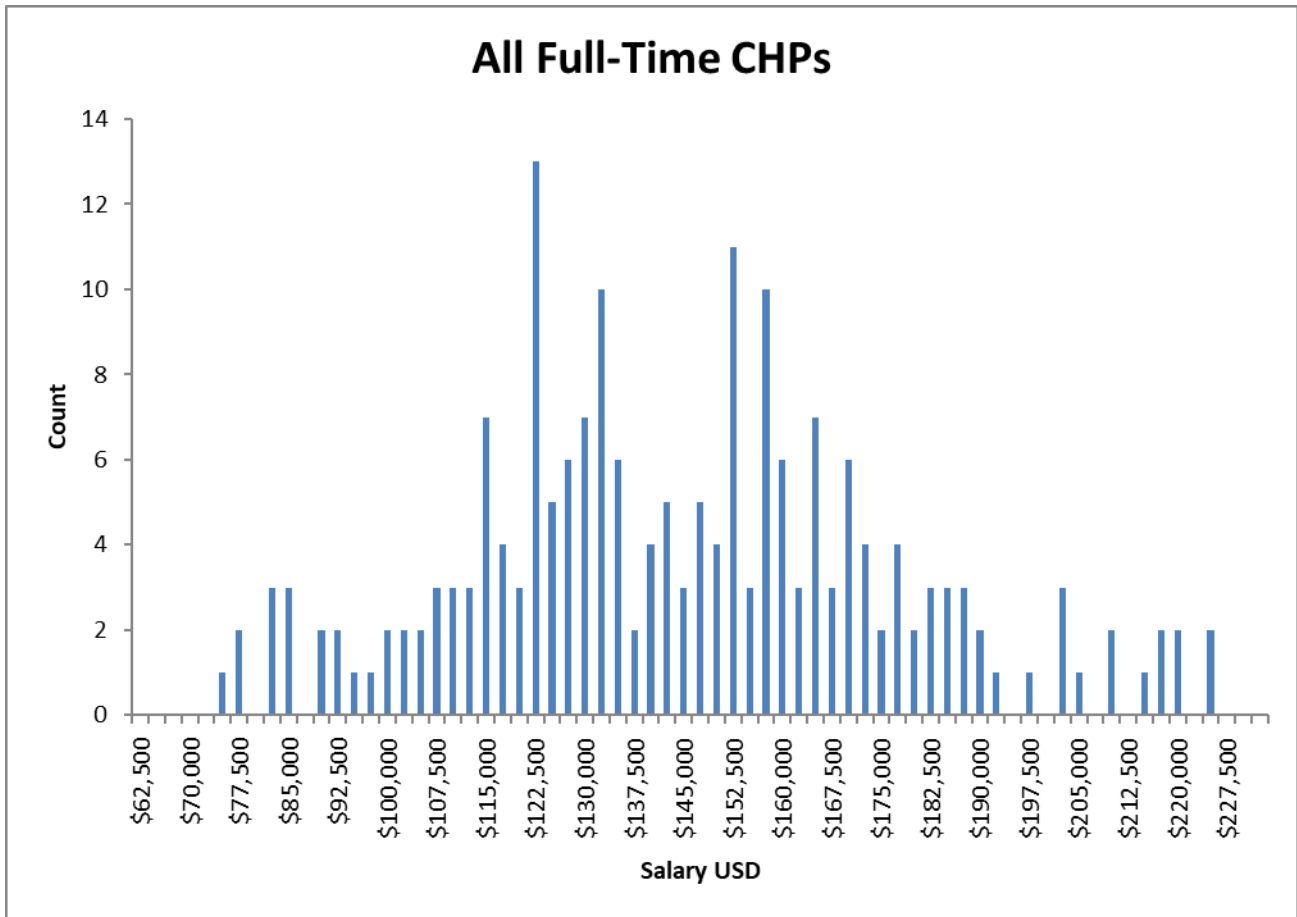


Figure 1: Histogram of Table 1 Data, all CHPs

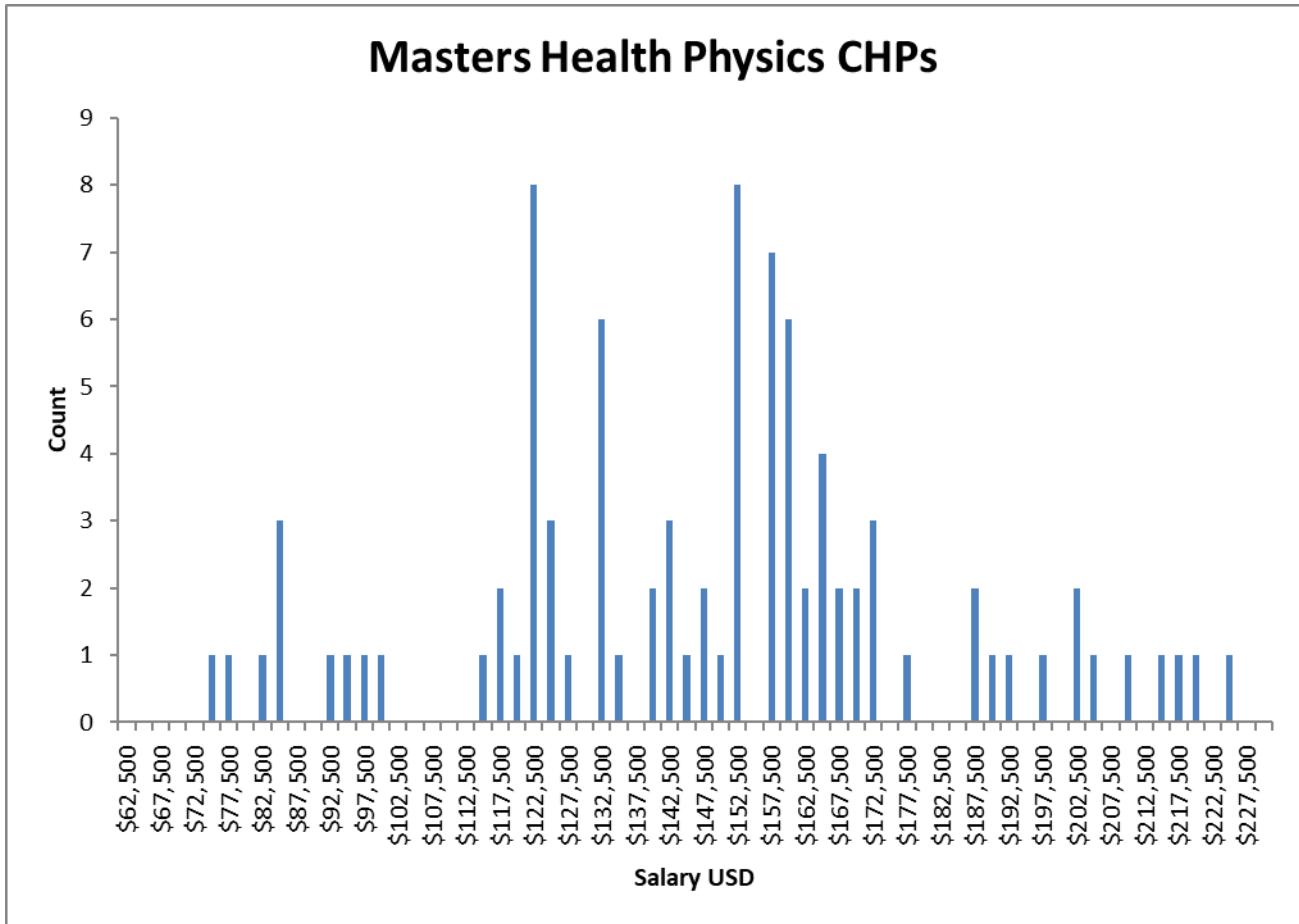


Figure 2: Histogram of Table 2 Data, Masters Health Physics CHPs

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.