

THE 2010 CHP SALARY SURVEY

Gary Lauten

Introduction

The 2010 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 coordination 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: chpsalariesurvey@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 \$50,000 to \$52,499; their salary was rounded to the midpoint value of \$51,250.

Responses from CHPs who were either part time or retired were not analyzed, since the data did

not appear to allow meaningful comparisons to be made.



To avoid skewing the results, data from seven survey respondents were excluded from the data analysis because they indicated that they earned more than \$200,000 per year.

Of 60 respondents who reported receiving a significant (10 % or more) salary increase upon attaining ABHP certification: 33% received this increase from their current employer, 20% from a promotion with their current employer, 37% received this increase from a new employer, 2% from part-time consulting, and 8% did not answer.

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 cautioned 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.

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	Maximum	Minimum	Std Dev
CHPs	236	\$122,022	\$121,250	\$200,000	\$61,250	\$24,864

Table 2: CHPs by Education and Field

Education	Count	Average	Median	Maximum	Minimum	Std Dev
Bachelors Other Field	22	\$117,159	\$111,250	\$161,250	\$71,159	\$24,073
Masters Health Physics	110	\$123,261	\$123,750	\$195,000	\$61,250	\$25,251
Masters Other Field	19	\$113,487	\$121,250	\$151,250	\$71,250	\$23,876
Masters Nuclear Engineering	20	\$113,250	\$110,000	\$151,250	\$76,250	\$19,392
Ph.D. Other Field	12	\$136,021	\$135,000	\$196,000	\$93,750	\$27,553
Ph.D. Health Physics	23	\$127,772	\$123,750	\$173,750	\$83,750	\$24,259
Ph.D. Nuclear Engineering	14	\$120,714	\$118,750	\$166,250	\$73,750	\$24,023

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

Edu & 6-15 Yrs Experience	Count	Average	Median	Maximum	Minimum	Std Dev
All CHPs 6-15 yrs Experience	29	\$102,371	\$103,750	\$133,750	\$61,250	\$19,140
Masters Health Physics	13	\$101,250	\$103,750	\$133,750	\$61,250	\$18,736

Table 4: CHPs by Education and >15 Years Experience

Edu & >15 Yrs Experience	Count	Average	Median	Maximum	Minimum	Std Dev
All CHPs >15 yrs Experience	204	\$125,036	\$123,750	\$200,000	\$61,250	\$24,275
Bachelors Other Field	21	\$118,155	\$111,250	\$161,250	\$71,250	\$24,198
Masters Health Physics	94	\$126,822	\$128,750	\$195,000	\$61,250	\$24,392
Masters Nuclear Engineering	17	\$116,544	\$111,250	\$151,250	\$88,750	\$18,047
Masters Other Field	17	\$115,515	\$121,250	\$151,250	\$71,250	\$22,841
Ph.D. Health Physics	19	\$132,566	\$131,250	\$173,750	\$98,750	\$22,888
Ph.D. Other Field	11	\$137,136	\$146,250	\$196,000	\$93,750	\$28,612

Table 5: CHPs by U.S. Regions*

CHPs by Region	Count	Average	Median	Maximum	Minimum	Std Dev
Northeast	31	\$116,694	\$116,250	\$200,000	\$73,750	\$29,224
Midwest	33	\$121,591	\$113,750	\$180,000	\$61,250	\$26,096
South	83	\$119,684	\$118,750	\$171,250	\$61,250	\$22,992
West	65	\$124,923	\$123,750	\$195,000	\$76,250	\$19,774

*- 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	Maximum	Minimum	Std Dev
Federal Government	21	\$128,512	\$131,250	\$168,750	\$88,750	\$22,317
Medical	10	\$125,250	\$132,500	\$146,250	\$91,250	\$19,657
University	13	\$102,404	\$103,750	\$141,250	\$61,250	\$26,646
National Laboratory	21	\$125,595	\$123,750	\$195,000	\$73,750	\$26,727
Government Contractors	14	\$121,429	\$123,750	\$151,250	\$83,750	\$19,051

Table 7: All CHPs by Other Certifications

All CHPs by Other Certifications	Count	Average	Median	Maximum	Minimum	Std Dev
NRRPT	31	\$118,911	\$113,750	\$158,750	\$86,250	\$18,085
Other	34	\$125,588	\$126,250	\$195,000	\$71,250	\$27,387

Table 8: Masters Health Physics and Primary Job Responsibility

Masters Health Physics & Primary Job Responsibility	Count	Average	Median	Maximum	Minimum	Std Dev
Administration	14	\$140,000	\$135,000	\$195,000	\$106,250	\$26,045
Applied Health Physics	41	\$118,232	\$116,250	\$190,000	\$61,250	\$22,609
Environmental	10	\$111,583	\$117,500	\$143,750	\$93,750	\$18,664

Table 9: All CHPs by Primary Job Responsibility

Primary Job Responsibility	Count	Average	Median	Maximum	Minimum	Std Dev
Administration	23	\$135,587	\$133,750	\$196,000	\$71,250	\$32,540
Applied Health Physics	72	\$117,240	\$116,250	\$190,000	\$61,250	\$21,649
Dosimetry	16	\$126,719	\$126,250	\$156,250	\$73,750	\$20,170
Environmental	19	\$119,803	\$118,750	\$173,750	\$91,250	\$20,435
Radiological Assessment	23	\$119,511	\$118,750	\$166,250	\$76,250	\$21,878
Regulations/Standards	20	\$124,500	\$132,500	\$158,750	\$66,250	\$26,719
Power Reactor	15	\$126,250	\$123,750	\$168,750	\$86,250	\$22,220
Medical Health Physics	11	\$127,045	\$118,750	\$200,000	\$93,750	\$31,236

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

CHPs as Professional Staff	Count	Average	Median	Maximum	Minimum	Std Dev
All CHPs in this Category	122	\$120,594	\$121,250	\$173,750	\$71,250	\$21,385
Bachelors Other Field	13	\$119,135	\$118,750	\$161,250	\$71,250	\$27,096
Masters Health Physics	53	\$122,288	\$121,250	\$168,750	\$73,750	\$20,665
Masters Other Field	12	\$111,667	\$121,250	\$133,750	\$71,250	\$21,448
Masters Nuclear Engineering	12	\$117,500	\$113,750	\$151,250	\$76,250	\$22,651
Ph.D. Health Physics	12	\$125,000	\$122,500	\$173,750	\$83,750	\$22,500

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	Maximum	Minimum	Std Dev
All CHPs in this Category	45	\$129,528	\$123,750	\$195,000	\$93,750	\$23,600
Masters Health Physics	22	\$136,818	\$135,000	\$195,000	\$98,750	\$26,611

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

CHPs as RPM/RSO	Count	Average	Median	Maximum	Minimum	Std Dev
All CHPs RPM/RSO	17	\$130,353	\$126,250	\$196,000	\$101,250	\$24,958
All CHPs University RSO	19	\$98,487	\$96,250	\$156,250	\$61,250	\$23,963
All CHPs Medical RSO	14	\$121,607	\$123,750	\$161,250	\$88,750	\$21,703

Figure 1: Histogram of Table 1 Data, all CHPs

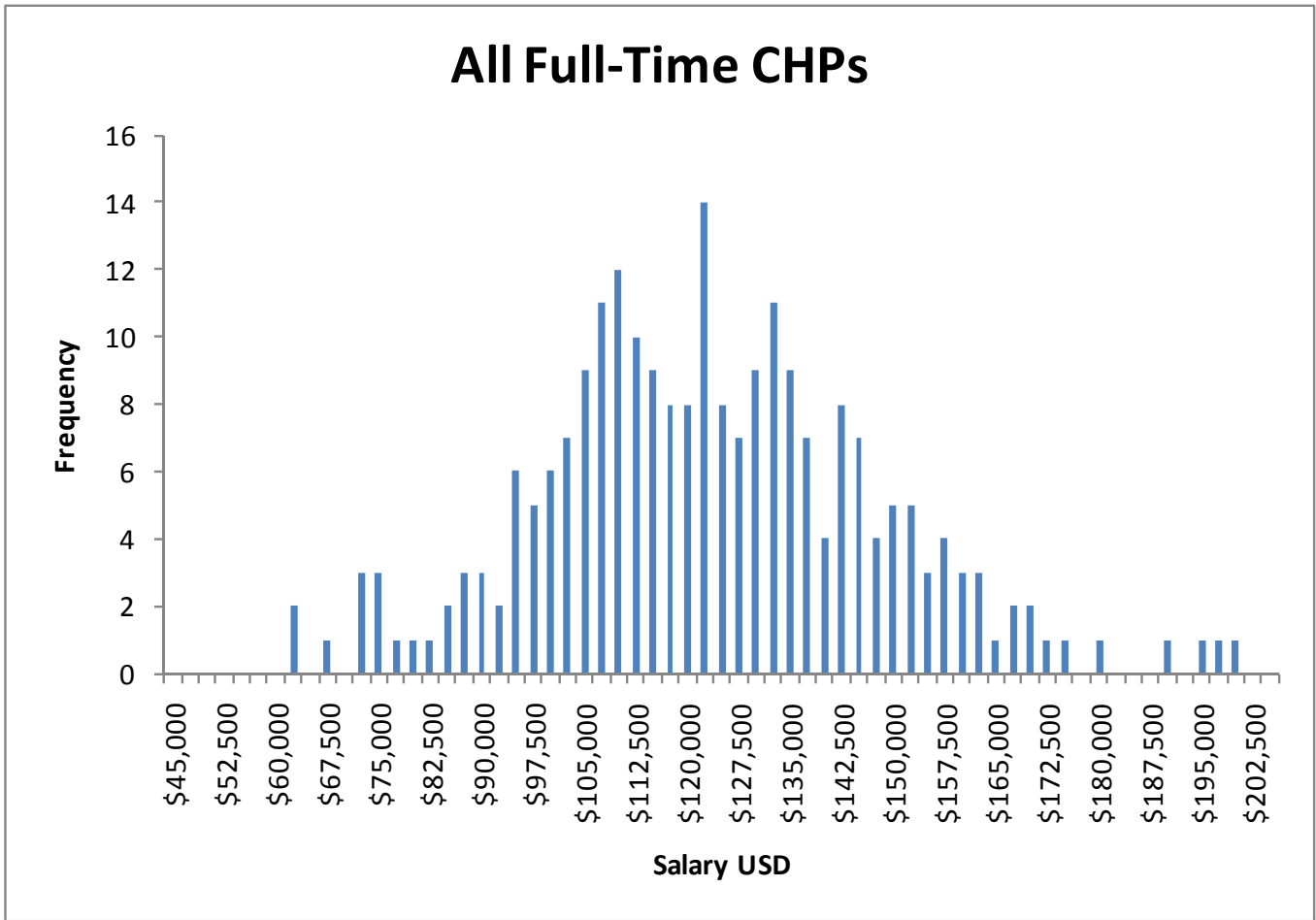
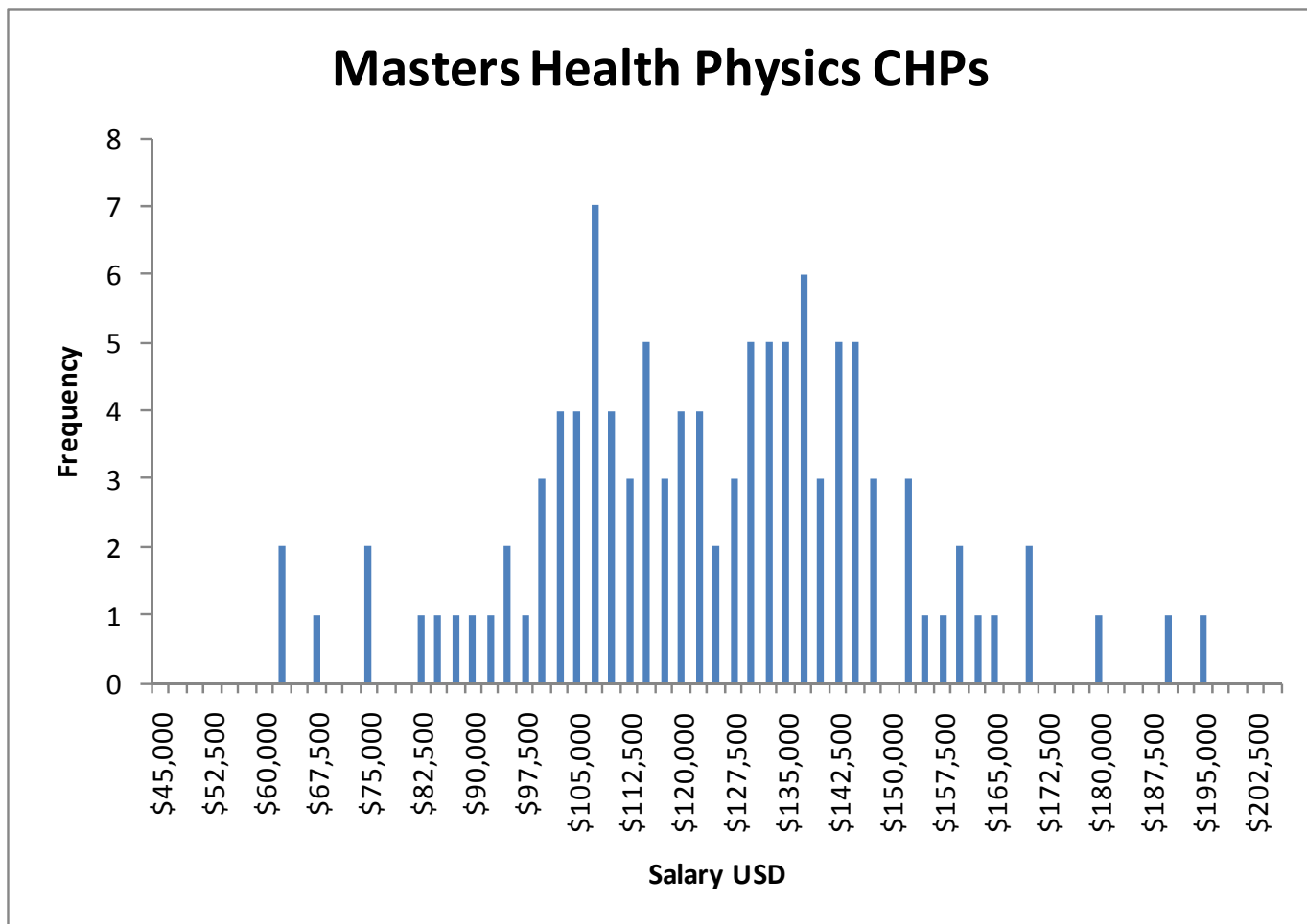


Figure 2: Histogram of Table 2 Data, Masters Health Physics CHPs



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.

Other Notes

The HPS and AAHP placed the CHP Salary Survey under the purview of the AAHP Professional Development Committee. The author of the CHP Salary Survey legally shortened his surname to Lauten.

CHP AVERAGE SALARIES 1995-2010

Kyle Kleinhans

Gary Lauten provided a trend of CHP Average Salaries from 1995 – 2005 back in 2006. I took the liberty of adding in the last five years to mark the 15 years of the reported average CHP salary. The trend shows that the average CHP salary has increased by \$48,000, or about 65%, over the 15 years of the survey. According to inflationdata.com, the inflation rate from January 1995 to January 2010 was about 44%.

The graph shows the average of all CHP salaries from 1995 through 2010.

Year	Average CHP Salary	Year	Average CHP Salary
1995	\$74,000	2003	\$97,039
1996	\$78,327	2004	\$101,356
1997	\$77,168	2005	\$102,801
1998	\$82,660	2006	\$105,216
1999	\$80,818	2007	\$108,583
2000	\$83,602	2008	\$113,076
2001	\$88,662	2009	\$116,723
2002	\$91,194	2010	\$122,022

