

## THE 2000 CHP SALARY SURVEY

Gary Lautenschlager

### Introduction

This year's Certified Health Physicist (CHP) survey data was collected in conjunction with an inaugural web-based survey of the entire Health Physics Society (HPS).

Chris Graham will report the HPS salary survey results 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 Lautenschlager, via email: [glauten@hotmail.com](mailto:glauten@hotmail.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 \$54,999, their salary was rounded to the midpoint value of \$52,500.

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 six survey respondents were excluded from the data analysis because they indicated that they earned \$170,000 or more per year.

Of 53 respondents who reported receiving a significant (10 % or more) salary increase upon attaining ABHP certification: 25% received this increase from their current employer, 28% from a promotion with their current employer, and 47% received this increase from a new employer. 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 usually 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. However, some exceptions were made for general interest.

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 an insufficient number of 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 Table 1 data is included as Figure 1, and Table 2, Masters Health Physics data is included as Figure 2.

### Acknowledgements

Thanks to all who participated in this survey. Your participation benefits the entire health physics community. Special thanks to Scott Medling for his helpful comments and suggestions, and for coding the survey and making it available on the Internet.

**Table 1: All CHPs**

All CHPs	Count	Average	Median	Max	Min	Std Dev
CHPs	313	\$83,602	\$82,500	\$152,500	\$32,500	\$20,306

**Table 2: CHPs by Education and Field**

Education	Count	Average	Median	Max	Min	Std Dev
Bachelor's Health Physics	18	\$74,444	\$72,500	\$107,500	\$37,500	\$19,108
Bachelor's Other Field	31	\$81,371	\$82,500	\$137,500	\$37,500	\$20,482
Master's Health Physics	137	\$83,303	\$82,500	\$147,500	\$32,500	\$19,678
Master's Other Field	35	\$84,214	\$77,500	\$152,500	\$52,500	\$22,457
Master's Nuclear Engineering	22	\$85,455	\$82,500	\$117,500	\$57,500	\$17,705
Ph.D. Health Physics	20	\$86,750	\$87,500	\$137,500	\$32,500	\$26,570
Ph.D. Other Field	23	\$95,326	\$92,500	\$142,500	\$72,500	\$20,216
Ph.D. Nuclear Engineering	16	\$80,625	\$80,000	\$127,500	\$57,500	\$16,419

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

Edu & 6-15 Yrs Experience	Count	Average	Median	Max	Min	Std Dev
Bachelor's Health Physics	10	\$67,000	\$65,000	\$92,500	\$37,500	\$15,890
Master's Health Physics	46	\$72,935	\$72,500	\$112,500	\$37,500	\$15,699
Ph.D. Health Physics	11	\$71,591	\$67,500	\$102,500	\$32,500	\$20,593
Ph.D. Nuclear Engineering	8	\$82,500	\$80,000	\$127,500	\$57,500	\$20,529

**Table 4: CHPs by Education and >15 Years Experience**

Edu & >15 Yrs Experience	Count	Average	Median	Max	Min	Std Dev
Bachelor's Health Physics	8	\$83,750	\$82,500	\$107,500	\$47,500	\$19,594
Bachelor's Other Field	24	\$83,750	\$83,750	\$137,500	\$37,500	\$21,430
Master's Health Physics	90	\$88,556	\$87,500	\$147,500	\$32,500	\$19,581
Master's Nuclear Engineering	15	\$88,500	\$92,500	\$117,500	\$57,500	\$19,011
Ph.D. Health Physics	9	\$105,278	\$102,500	\$137,500	\$77,500	\$21,082
Ph.D. Other Field	21	\$97,024	\$92,500	\$142,500	\$72,500	\$20,366
Ph.D. Nuclear Engineering	8	\$78,750	\$80,000	\$97,500	\$57,500	\$12,174

**Table 5: CHPs by U.S. Regions\***

CHPs by Region	Count	Average	Median	Max	Min	Std Dev
Northeast	34	\$82,794	\$82,500	\$122,500	\$52,500	\$14,352
Midwest	46	\$81,087	\$75,000	\$142,500	\$32,500	\$23,301
South	96	\$82,865	\$80,000	\$152,500	\$32,500	\$19,924
West	104	\$85,144	\$82,500	\$147,500	\$52,500	\$17,557

\* 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: CHPs by Education and NRRPT**

Education & NRRPT	Count	Average	Median	Max	Min	Std Dev
Bachelor's Health Physics	8	\$70,625	\$70,000	\$92,500	\$47,500	\$13,871
Bachelor's Other Field	12	\$73,750	\$72,500	\$97,500	\$37,500	\$17,468
Master's Health Physics	15	\$82,500	\$77,500	\$127,500	\$42,500	\$20,000

**Table 7: Master's Health Physics and Primary Employer**

Masters Health Physics & Primary Employer	Count	Average	Median	Max	Min	Std Dev
Consulting Firm	14	\$82,857	\$85,000	\$142,500	\$57,500	\$21,255
Commercial	14	\$92,500	\$85,000	\$142,500	\$62,500	\$25,268
Federal Government	21	\$82,976	\$77,500	\$132,500	\$37,500	\$20,670
Government Contractors	19	\$86,711	\$82,500	\$147,500	\$57,500	\$22,989
National Laboratory	24	\$86,667	\$90,000	\$107,500	\$52,500	\$15,228
Nuclear Power Facility	20	\$80,750	\$77,500	\$107,500	\$62,500	\$13,599
University	14	\$79,286	\$82,500	\$92,500	\$62,500	\$11,026

**Table 8: Master's Nuclear Engineering and Primary Employer**

Master's Nuclear Engineering & Primary Employer	Count	Average	Median	Max	Min	Std Dev
National Laboratory	9	\$84,722	\$82,500	\$107,500	\$57,500	\$15,635

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

Master's Health Physics & Primary Job Responsibility	Count	Average	Median	Max	Min	Std Dev
Administration	13	\$93,654	\$87,500	\$147,500	\$67,500	\$23,018
Applied Health Physics	47	\$81,968	\$82,500	\$142,500	\$32,500	\$19,231
Dosimetry	10	\$80,000	\$77,500	\$97,500	\$72,500	\$9,501
Environmental	13	\$78,654	\$72,500	\$112,500	\$37,500	\$21,713
Regulations/Standards	13	\$82,885	\$87,500	\$132,500	\$47,500	\$21,934
Reactors, Power	10	\$84,500	\$82,500	\$107,500	\$62,500	\$14,376

**Table 10: CHPs with Medical Physics as Primary Job Responsibility**

Medical Physics Primary Job	Count	Average	Median	Max	Min	Std Dev
Medical Physics CHPs	8	\$91,875	\$95,000	\$132,500	\$52,500	\$28,963

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

Medical Physics Primary Job	Count	Average	Median	Max	Min	Std Dev
All CHPs in this Category	167	\$78,518	\$77,500	\$132,500	\$32,500	\$17,429
Master's Health Physics	71	\$75,810	\$72,500	\$132,500	\$32,500	\$16,079
Master's Other Field	18	\$80,000	\$77,500	\$102,500	\$57,500	\$12,862
Master's Nuclear Engineering	14	\$86,786	\$85,000	\$117,500	\$57,500	\$16,740
Ph.D. Health Physics	10	\$69,000	\$65,000	\$97,500	\$32,500	\$19,586
Ph.D. Other Field	14	\$91,071	\$85,000	\$132,500	\$72,500	\$17,588

Figure 1: Histogram of Table 1 Data

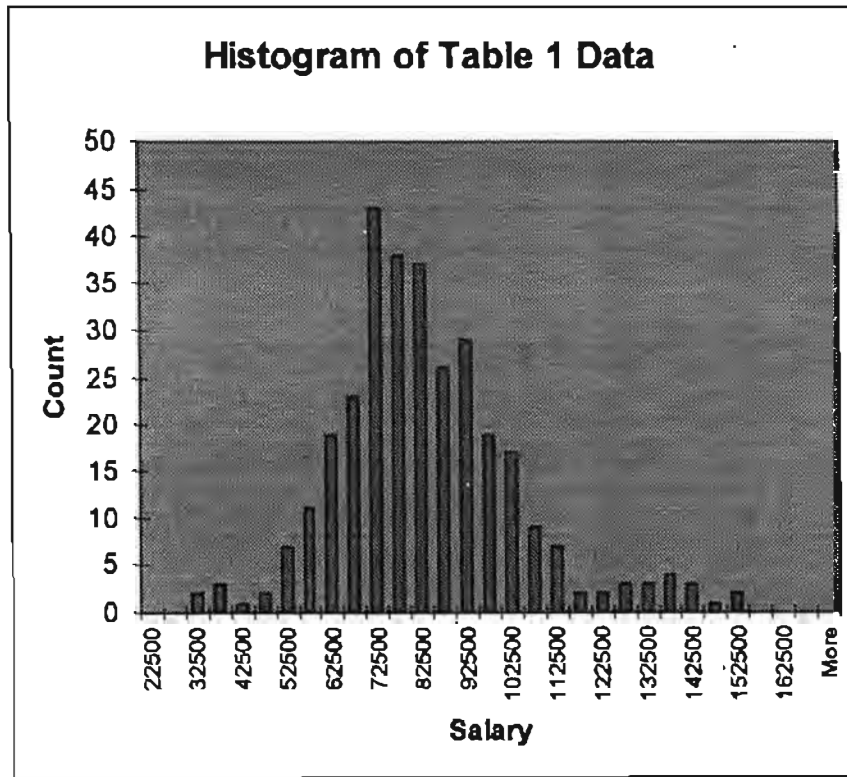


Figure 2: Histogram of Table 2 Data, Masters Health Physics CHPs

