

THE 2001 HPS SALARY SURVEY

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Introduction

This year's Health Physicist salary survey data was collected in conjunction with a Web-based survey of the entire Health Physics Society (HPS).

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

Gary Lautenschlager reported the Certified Health Physicist (CHP) salary survey results separately in December 2001 *CHP News*, Volume 11, Number 2. The results reported in this survey do not include respondents who are CHPs.

Questions about this survey should be directed to Chris Graham via email: ccgraham@cal.ameren.com.

The number of participants was significantly down this year compared to the 2000 HPS Salary Survey. There were 539 participants in this year's survey compared to 812 in last year's survey.

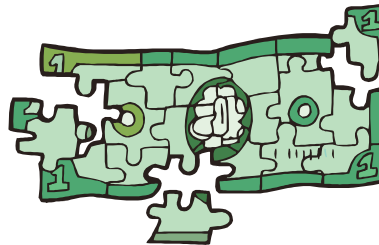
Data Analysis

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 a salary was marked in the range \$50,000 to \$54,999,

then it was rounded to the midpoint value of \$52,500.

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

There has been no attempt to analyze and draw conclusions from the data; this is left to the reader.



In addition to the salary information, there are tables which provide a breakdown of experience by education level and job responsibility by education level to assist the reader in interpreting the salary data. 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, region, and combinations of these subcategories.

Readers are cautioned that for statistical validity and in order to preserve anonymity, results are provided only if there were 10 or more responses within that subcategory. Data presented for one subcategory may not be possible for another subcategory.

Every effort was made to keep the subcategories consistent with the 2000 HPS Salary Survey.

The tables show results for full-time HPs who received health, vacation, and retirement benefits from their primary employer.

Acknowledgments

Many 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, and a very special thanks to Gary Lautenschlager for initiating the CHP salary survey from which this survey was born. The careful reader may also note an uncanny similarity between this report and the CHP salary survey report. Any similarities are entirely intentional; let's call it recycling good ideas—again.

Table 1

Experience by Education Level

Education	Responses	<6 Years Experience	6- 15 Years Experience	>6 Years Experience	<6 Years Current Job	≥6 Years Current Job
Non-Degreed	11	0	4	7	6	5
BS Health Physics	41	6	13	22	25	16
MS Health Physics	186	15	67	104	91	95
PhD Health Physics	31	2	12	17	16	15
MS Nuclear Engineering	22	0	10	12	8	14
PhD Nuclear Engineering	14	2	7	5	9	5
Bachelor's Other	89	6	20	63	43	46
Master's Other	78	10	27	41	45	33
PhD Other	37	1	9	27	13	24
Total Responses:	509	42 (8%)	169 (33%)	298 (58%)	256 (50%)	253 (50%)

Table 2:

Job Responsibility by Education Level

Job Title	Responses	Non-Degree Associate Degree Technical Degree	Bachelor's (all)	Master's (all)	Doctorate (all)
Technician	15	8	3	4	0
Professional Staff	293	9	81	155	48
1st Line Supervisor	22	1	5	15	1
2nd Line Supervisor	14	2	3	7	2
Supervisor Prof. Staff	65	0	18	32	15
RPM/RSO	102	3	29	58	12
Facility Manager	16	0	1	14	1
Total Responses:	527	23 (4%)	140 (27%)	285 (54%)	79 (15%)

Table 3:
Salary by Education and Experience

Education	Experience	Responses	Avg.	Median	Min	Max	Std. Dev.
BS Health Physics	6-15 yrs	13	70,576	72,500	42,500	112,500	19,530
BS Health Physics	>15 yrs	22	75,910	82,500	42,500	102,500	17,687
Bachelor's Other	6-15 yrs	20	64,500	62,500	42,500	102,500	16,575
Bachelor's Other	>15 yrs	63	75,437	72,500	37,500	152,500	22,994
MS Health Physics	<6 yrs	15	56,167	52,500	37,500	72,500	12,315
MS Health Physics	6-15 yrs	67	73,545	72,500	42,500	122,500	17,463
MS Health Physics	>15 yrs	106	91,038	87,500	47,500	170,000	22,988
MS Nuclear Engineering	6-15 yrs	10	77,500	72,500	27,500	137,500	30,550
MS Nuclear Engineering	>15 yrs	12	93,333	87,500	57,500	132,500	18,930
Master's Other	<6 yrs	10	49,500	47,500	32,500	82,500	13,165
Master's Other	6-15 yrs	29	68,535	67,500	32,500	117,500	16,923
Master's Other	>15 yrs	41	83,780	82,500	47,500	170,000	25,867
PhD Health Physics	6-15 yrs	12	75,833	77,500	47,500	102,500	19,227
PhD Health Physics	>15 yrs	17	105,148	107,500	67,500	147,500	23,856
PhD Other	>15 yrs	27	93,426	97,500	52,500	132,500	17,652
Total Responses:		464					

Table 4:
Salary by Region*

Region	Responses	Average	Median	Minimum	Maximum	Std. Dev.
Midwest	69	69,167	67,500	37,500	147,500	20,367
Northeast	77	75,487	72,500	42,500	170,000	24,842
South	167	80,554	77,500	27,500	170,000	24,835
West	156	82,981	82,500	42,500	157,500	20,547
Total Responses	469					

* 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 5:

Salary by Employer

Employer	Responses	Average	Median	Minimum	Maximum	Std. Dev.
Federal Government	77	83,734	82,500	47,500	137,500	21,660
State Government	35	60,786	57,500	27,500	97,500	17,190
Medical Facility	25	68,300	67,500	37,500	137,500	22,715
Consulting Firm	41	84,085	87,500	42,500	157,500	25,774
University	81	65,401	62,500	37,500	147,500	21,387
National Laboratory	62	90,081	87,500	32,500	137,500	20,340
Government Contractor	77	79,513	77,500	47,500	142,500	18,250
Nuclear Power Utility	55	84,045	82,500	42,500	170,000	22,040
Other Commercial	62	81,532	82,500	42,500	157,500	24,002
Other Research	13	75,000	72,500	32,500	170,000	34,881
Total Responses	528					

Table 6:

Salary by Education Level

Educational Level	Responses	Average	Median	Minimum	Maximum	Std. Dev.
Non-Degreed	11	66,136	67,500	42,500	87,500	15,015
BS Health Physics	42	69,166	67,500	37,500	112,500	20,142
Bachelor's Other	90	70,889	67,500	32,500	152,500	22,333
MS Health Physics	188	82,021	77,500	37,500	170,000	23,262
MS Nuclear Engineering	24	85,833	82,500	27,500	137,500	25,988
Master's Other	80	73,969	72,500	32,500	170,000	24,425
PhD Health Physics	31	90,726	87,500	47,500	147,500	26,943
PhD Nuclear Engineering	14	78,929	77,500	42,500	97,500	12,924
PhD Other	38	94,145	92,500	52,500	170,000	20,650
Total Responses	518					

Table 7:

Salary by Job Responsibility

Job Responsibility	Responses	Average	Median	Minimum	Maximum	Std. Dev
Technician	15	54,500	52,500	42,500	82,500	11,307
Professional Staff	293	75,230	72,500	27,500	170,000	22,695
1st Line Supervisor	22	75,682	77,500	37,500	112,500	19,551
2nd Line Supervisor	14	85,714	82,500	47,500	117,500	19,075
Supervisor Prof. Staff	65	89,577	87,500	47,500	147,500	22,602
RPM/RSO	103	78,470	77,500	37,500	137,500	20,946
Facility Manager	16	105,469	92,500	52,500	170,000	31,586
Total Responses	528					

Table 8:

Salary by Field of Expertise

Expertise	Responses	Average	Median	Minimum	Maximum	Std. Dev.
Accelerator HP	13	76,731	72,500	52,500	112,500	18,467
Administration	43	82,616	77,500	47,500	142,500	25,059
Applied HP	160	74,375	72,500	27,500	152,500	22,485
Dosimetry	45	82,833	82,500	42,500	157,500	21,035
Education	14	81,429	82,500	47,500	147,500	26,903
Environmental	51	76,422	77,500	42,500	137,500	20,207
Radiological Assessment	36	83,889	82,500	47,500	147,500	21,600
Regulations/Standards	38	71,710	67,500	32,500	122,500	23,582
Research (basic)	18	70,695	67,500	32,500	170,000	33,736
Waste Management	16	81,250	77,500	47,500	132,500	20,696
Reactors, Power	44	87,159	82,500	42,500	170,000	25,407
Medical Physics	21	77,381	72,500	47,500	170,000	30,233
Total Responses	499					

Table 9:

Salary by Bachelor's Degree and Employer

Employer	Responses	Average	Median	Minimum	Maximum	Std. Dev.
Federal Government	15	73,833	77,500	47,500	97,500	15,751
State Government	12	55,000	47,500	42,500	72,500	10,113
University	20	51,000	47,500	37,500	77,500	11,596
National Laboratory	10	79,000	72,500	57,500	102,500	16,675
Government Contractor	23	74,022	72,500	47,500	102,500	14,727
Nuclear Power Utility	20	83,500	82,500	52,500	122,500	16,512
Other Commercial	19	76,184	77,500	42,500	112,500	20,939
Total Responses	119					

Table 10:

Salary by Master's Degree and Employer

Employer	Responses	Average	Median	Minimum	Maximum	Std. Dev.
Federal Government	47	83,457	77,500	47,500	137,500	21,735
State Government	18	60,833	67,500	27,500	87,500	17,321
Medical Facility	13	64,808	67,500	42,500	87,500	15,223
Consulting Firm	29	82,672	87,500	42,500	157,500	26,742
University	39	64,679	62,500	37,500	97,500	16,173
National Laboratory	34	88,088	82,500	32,500	122,500	19,839
Government Contractor	39	84,295	82,500	52,500	142,500	19,950
Nuclear Power Utility	24	87,708	82,500	52,500	170,000	28,062
Other Commercial	36	86,944	82,500	42,500	157,500	25,601
Total Responses	279					

Table 11:

Salary by Doctorate Degree and Employer

Employer	Responses	Average	Median	Minimum	Maximum	Std. Dev.
Federal Government	14	97,500	92,500	67,500	132,500	20,286
University	21	81,548	82,500	42,500	147,500	26,392
National Laboratory	14	102,500	102,500	77,500	132,500	15,811
Government Contractor	10	83,500	77,500	67,500	102,500	11,972
Total Responses	59					