

Salary Market Study for General State Service Psychologist and Psychiatrist

As required by Senate Bill 5551

Office of Financial Management State Human Resources Division

June 2013

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EXECUTIVE SUMMARY

The Washington State Human Resources Division (SHRD) presents the results of the market study conducted for the Psychologist and Psychiatrist general state service classifications. The objective of this study is to meet the conditions as set forth in Senate Bill 5551: "Within current resources, the Office of the State Human Resources Director must gather market salary data related to psychologists and psychiatrists employed by Department of Social and Health Services and the Department of Corrections and report to the Governor and relevant committees of the Legislature by June 30, 2013."

Market data were collected from a variety of verifiable and validated sources, including:

- 1. The Bureau of Labor Statistics (BLS) [Psychologist and Psychiatrist]
- 2. Economic Research Institute (ERI) [Psychologist and Psychiatrist]
- 3. Federal Office of Personnel Management [Psychologist and Psychiatrist]
- 4. National Compensation Association of State Governments (NCASG) [Psychologist and Psychiatrist]
- 5. Veterans Administration Hospital, Puget Sound Region [Psychiatrist]

The following methodology was applied in the study:

- The data collected and used for comparison are the minimum and maximum of the salary range.
- The states used for the Bureau of Labor Statistics salary comparison are those currently included in the 2014 Total Compensation Study. The statistical criteria applied for the selection of comparable states are population, income per capita, full-time equivalents, percent of national GDP, cost-of-living index, unemployment rate and revenue. The states are Arizona, Colorado, Georgia, Indiana, Massachusetts, Maryland, Michigan, Minnesota, Missouri, New Jersey, North Carolina, Tennessee, Virginia and Wisconsin.
- States included in the National Compensation Association of State Governments data may be different than those listed above due to availability of respondent data.

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PSYCHOLOGIST

SALARY SURVEY RESULTS

Psychologist

Data Source	Job Title	Minimum	Maximum
BLS	Clinical Psychologist	\$48,033	\$80,056
ERI (specialty hospitals)	Psychologist	\$58,456	\$69,902
Federal Government	Clinical Psychologist	\$45,771	\$65,371
NCASG	Psychologist/Clinician	\$55,231	\$84,472
Market Average		\$51,873	\$74,950

State of Washington Comparison to Market Average					
Psychologist 4 – WFSE & Non-Rep 3% Reduced	\$59,784	\$78,468			
Market Difference	15.25%	4.69%			
Psychologist 4 – WFSE & Non-Rep 3% Restored	\$61,632	\$80,892			
Market Difference	18.81%	7.92%			
Psychologist 4 – Teamsters 3% Reduced	\$60,504	\$79,476			
Market Difference	16.64%	6.03%			
Psychologist 4 – Teamsters 3% Restored	\$62,412	\$81,936			
Market Difference	20.32%	9.32%			

Forensic Psychologist

Data Source	Job Title	Minimum	Maximum
BLS	Clinical Psychologist	\$48,033	\$80,056
ERI (specialty hospitals)	Psychologist	\$58,456	\$69,902
Federal Government	Clinical Psychologist	\$45,771	\$65,371
NCASG (forensic)	Psychologist/Clinician	\$55,576	\$85,754
Market Average		\$51,959	\$75,271

State of Washington Comparison to Market Average					
Psychologist 4 – WFSE & Non-Rep 3% Reduced	\$59,784	\$78,468			
Market Difference	15.06%	4.25%			
Psychologist 4 – WFSE & Non-Rep 3% Restored	\$60,632	\$80,892			
Market Difference	16.69%	7.46%			
Psychologist 4 – Teamsters 3% Reduced	\$60,504	\$79,476			
Market Difference	16.45%	5.58%			
Psychologist 4 – Teamsters 3% Restored	\$62,412	\$81,936			
Market Difference	20.12%	8.85%			

CONCLUSIONS

The market, in general, does not distinguish between Psychologist and Forensic Psychologist for pay practices. We have been able to find Forensic Psychologists in some of the state governments surveyed. However, the majority of the respondents combine the work under one class series.

Based on the data gathered, the pay for general service state positions is:

- 1. 15.25 percent or more above market at minimum and 4.69 percent or more above market at maximum for Psychologists.
- 2. 15.06 percent or more above market at minimum and 4.25 percent or more above market at maximum for Forensic Psychologists.

Additional Pay

Internal information shows special pay practices at the Department of Social and Health Services (DSHS). DSHS pays an additional 20 percent for Psychologists assigned to work in the Special Commitment Center at McNeil Island.

The proposed general service classified longevity Step M included in the 2013–15 collective bargaining agreements will provide potential salary growth for employees who have been in the same pay range at Step L for six years.

This current pay practice increases the above market gap for the Psychologist classes.

DATA COLLECTION PROCESS

Senate Bill 5551 requires the study be completed by June 30, 2013. While these job titles are included in the State's 2014 Total Compensation Survey, the survey results will not be available until the end of the calendar year. The 2014 survey is an extensive effort to gather valid and measurable data. Salary and pay practices data are collected from 150 participants throughout Washington and other selected states and validated by a third-party consultant.

Data were mainly collected from published salary data sources to meet the mandated deadline. Only verifiable data sources were used for comparison.

VALID DATA SOURCES

Bureau of Labor Statistics (BLS)

Federal bureau that provides a variety of labor statistics, including average salary by state with 24,210 data points.

Economic Research Institute (ERI) Survey Database

ERI is the world's largest survey firm in terms of collection, compiling and analysis of compensation, jobs and cost-of-living data. This database contains information from 3,532 published surveys. ERI provides analyses of competitive pay for 9,600 areas in North America and Europe, 1,200 industries and a myriad of organizational sizes. Most of the Fortune 500 companies are users of ERI's data. The salary data are current as of April 1, 2013, and aged through May 31, 2013.

Federal Government – Office of Personnel Management (OPM)

Published salary table of basic pay rates for employees in senior level and scientific or professional positions (rates frozen since 2010).

National Compensation Association of State Governments – Psychologist and Forensic Psychologist (NCASG)

This survey was conducted by Washington SHRD. Results include salary data for Alaska, Kansas, Michigan, Minnesota, North Carolina, Oklahoma and Oregon.

ANALYSIS PROTOCOL

SHRD used the available verifiable and validated data for the market analysis. The salary analysis is focused on the market salary range (minimum and maximum). Actual salaries may change often as new employees are hired and existing employees' salaries change; therefore, using the maximum and minimum an employer is willing to pay for the job is the most constant measure for the purpose of market salary comparison.

To ensure compatibility with the 2014 Total Compensation Survey, we applied the same conceptual approach to this market analysis. Therefore, the BLS salary data used were that of states identified as most comparable to Washington. All available statistics for each state were applied, such as population, income per capita, full-time equivalents, percent of national GDP, cost of living index, unemployment rate and revenue.

The selected states are Arizona, Colorado, Georgia, Indiana, Maryland, Massachusetts, Michigan, Minnesota, Missouri, New Jersey, North Carolina, Tennessee, Virginia and Wisconsin.

The simple average was calculated to identify the survey results' minimum and maximum. Comparison of the results to internal data was conducted and the market gap was identified.

MARKET DATA ANALYSIS

The benchmark description used for the purposes of this survey (information drawn from existing Psychologist class specifications) is as follows:

This is the supervisory or expert level of the series. Directs and coordinates all activities, including supervision of doctoral-level staff, in large psychology department having a multifunctional program; within a Division of Developmental Disabilities residential facility or Division of Mental Health hospital is responsible, institution-wide, for developing, implementing and monitoring performance standards, policies and procedures to ensure cross-unit standardization and quality control in psychological services; or plans, organizes and directs the administrative and therapeutic programs for a mental health residential facility.

A doctoral degree in psychology from an accredited school or department of psychology **and** three years of post-doctoral psychology experience, including one year of experience supervising other professional psychologists **and** possession of a license to practice psychology in the state of Washington.

Data - Psychologist

ERI Survey Code: 3032 Psychologist

Alternate Titles: Medical Psychologist

Overview

Advises individuals and groups in universities and colleges, schools, clinics, rehabilitation centers, Veterans Administration hospitals and industry to assist individuals in achieving more effective personal, social, educational and vocational development and adjustment. Collects data about individuals through use of interviews, case history and observational techniques.

Evaluates data to identify causes of problem of individuals and to determine advisability of counseling or referral to other specialists or institutions.

ERI Salary Assessor

Psychologist eDOT:045.107-026 SOC: 193031 ERI: 3032

Years of	25th	75th
Experience	Percentile	Percentile
20	\$97,639	\$117,654
19	\$96,286	\$116,003
18	\$94,903	\$114,315
17	\$93,479	\$112,577
16	\$92,003	\$110,775
15	\$90,461	\$108,895
14	\$88,843	\$106,920
13	\$87,134	\$104,835
12	\$85,319	\$102,622
11	\$83,383	\$100,261
10	\$81,313	\$97,736
9	\$79,114	\$95,055
8	\$76,796	\$92,230
7	\$74,373	\$89,277
6	\$71,857	\$86,212
5	\$69,265	\$83,054
4	\$66,611	\$79,824
3	\$63,915	\$76,540
2	\$61,193	\$73,226
1	\$58,466	\$69,902

Area: Washington, Statewide, United States Industry: Specialty Hospitals
Codes: eSIC: 8063, NAICS: 622300, usSEC: 8060
Size: Data reported by years of experience
Planning Date: June 1, 2013
Annualized Salary Trend: 1.70% (Adjustment: 0.28%)
Data as of: April 1, 2013

Office of Personnel Management

Minimum Requirements: Major or equivalent in psychology for all specializations except clinical psychology and counseling psychology. These two specializations have additional educational requirements, as stated below:

• Clinical psychology: For positions at grades GS-11 and above, satisfactory completion of all the requirements for the doctoral degree (Ph.D. or equivalent) directly related to full professional work in clinical psychology is required. Salary Range: \$45,771-\$65,371

• **Counseling psychology:** For positions at grades GS-9 and above, satisfactory completion of two full academic years of graduate study directly related to professional work in counseling psychology, or satisfactory completion in an accredited educational institution of all the requirements for a master's degree directly related to counseling psychology is required. Salary Range: \$41,563–\$54,028

Pay and Leave Salaries and Wages

Salary Table 2013-GS Rates frozen at 2010 levels - effective January 2013

Grade	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10	WGI
1	\$17,803	\$18,398	\$18,990	\$19,579	\$20,171	\$20,519	\$21,104	\$21,694	\$21,717	\$22,269	Varies
2	\$20,017	\$20,493	\$21,155	\$21,717	\$21,961	\$22,607	\$23,253	\$23,899	\$24,545	\$25,191	Varies
3	\$21,840	\$22,568	\$23,296	\$24,024	\$24,752	\$25,480	\$26,208	\$26,936	\$27,664	\$28,392	\$728
4	\$24,518	\$25,335	\$26,152	\$26,969	\$27,786	\$28,603	\$29,420	\$30,237	\$31,054	\$31,871	\$817
5	\$27,431	\$28,345	\$29,259	\$30,173	\$31,087	\$32,001	\$32,915	\$33,829	\$34,743	\$35,657	\$914
6	\$30,577	\$31,596	\$32,615	\$33,634	\$34,653	\$35,672	\$36,691	\$37,710	\$38,729	\$39,748	\$1,019
7	\$33,979	\$35,112	\$36,245	\$37,378	\$38,511	\$39,644	\$40,777	\$41,910	\$43,043	\$44,176	\$1,133
8	\$37,631	\$38,885	\$40,139	\$41,393	\$42,647	\$43,901	\$45,155	\$46,409	\$47,663	\$48,917	\$1,254
9	\$41,563	\$42,948	\$44,333	\$45,718	\$47,103	\$48,488	\$49,873	\$51,258	\$52,643	\$54,028	\$1,385
10	\$45,771	\$47,297	\$48,823	\$50,349	\$51,875	\$53,401	\$54,927	\$56,453	\$57,979	\$59,505	\$1,526
11	\$50,287	\$51,963	\$53,639	\$55,315	\$56,991	\$58,667	\$60,343	\$62,019	\$63,695	\$65,371	\$1,676
12	\$60,274	\$62,283	\$64,292	\$66,301	\$68,310	\$70,319	\$72,328	\$74,337	\$76,346	\$78,355	\$2,009
13	\$71,674	\$74,063	\$76,452	\$78,841	\$81,230	\$83,619	\$86,008	\$88,397	\$90,786	\$93,175	\$2,389
14	\$84,697	\$87,520	\$90,343	\$93,166	\$95,989	\$98,812	\$101,635	\$104,458	\$107,281	\$110,104	\$2,823
15	\$99,628	\$102,949	\$106,270	\$109,591	\$112,912	\$116,233	\$119,554	\$122,875	\$126,196	\$129,517	\$3,321

Annual Rates by Grade and Step

BLS

Occupational Employment and Wages, May 2012

19-3031 Clinical, Counseling, and School Psychologists

Description: Diagnose and treat mental disorders, learning disabilities and cognitive, behavioral and emotional problems, using individual, child, family and group therapies. May design and implement behavior modification programs.

Employment estimate and mean wage estimates for this occupation:

Employment	Mean hourly wage	Mean annual wage
103,590	\$34.72	\$72,220

Percentile wage estimates for this occupation:

Percentile	10%	25%	50% (Median)	75%	90%
Hourly Wage	\$18.49	\$24.27	\$32.53	\$42.27	\$52.57
Annual Wage	\$38,450	\$50,480	\$67,650	\$87,910	\$109,340

NCASG

Psychologist

State	Job Title	Minimum	Maximum
Alaska	Mental Health Clinician	\$58,740	\$79,824
Colorado	Psychologist I	\$65,172	\$76,884
lowa	Psychologist 3	\$55,058	\$85,155
Kansas	Psychologist III	\$53,414	\$75,150
Louisiana	Psychologist IV	\$52,998	\$105,830
Michigan	Psychologist	\$42,536	\$78,936
North Carolina	Senior Psychologist	\$58,969	\$98,446
North Dakota	Licensed Psychologist I	\$66,288	\$110,472
Oklahoma	Psychology Clinician	\$43,163	\$71,938
Oregon	Clinical Psychologist	\$52,956	\$77,556
Rhode Island	Clinical Psychologist	\$60,475	\$68,459
Tennessee	Psychology Director	\$53,004	\$85,008
Average		\$55,231	\$84,472

Forensic Psychologist

State	Job Title	Minimum	Maximum
Alaska (includes forensics)	Mental Health Clinician	\$58,740	\$79,824
Kansas (includes forensics)	Psychologist III	\$53,414	\$75,150
Michigan (includes forensics)	Psychologist	\$42,536	\$78,936
North Dakota (includes forensics)	Licensed Forensic Psychologist	\$70,740	\$117,900
Oregon (includes forensics)	Clinical Psychologist	\$52,956	\$77,556
Average		\$55,677	\$85,873

PSYCHIATRIST

SALARY SURVEY RESULTS

Psychiatrist

Data Source	Job Title	Minimum	Maximum
BLS	Psychiatrist	\$113,000	\$159,000
ERI	Medical Psychiatrist	\$132,243	\$172,616
ОРМ	Psychiatrist	\$119,554	\$165,300
NCASG (Minnesota Survey)	Psychiatrist	\$145,186	\$193,091
VA Hospital	Physician – Psychiatrist	\$ 97,987	\$250,000
Market Average		\$121,954	\$188,001

State of Washington Comparison to Market Average		
Psychiatrist 4 – Coalition & Non-Rep 3% Reduced	\$119,340	\$156,624
Market Difference	-2.14%	-16.69%
Psychiatrist 4 – Coalition & Non-Rep 3% Restored	\$123,036	\$161,472
Market Difference	.09%	-14.11%
Psychiatrist 4 – Teamsters 3% Reduced	\$120,876	\$158 , 628
Market Difference	09%	-15.62%
Psychiatrist 4 – Teamsters 3% Restored	\$124,620	\$163,536
Market Difference	2.18%	-13.01%

CONCLUSIONS

Based on the data gathered, the pay for general service state positions is:

- 1. From 2.14 percent to .09 percent below market at minimum.
- 2. From 16.69 percent to 15.62 percent below market at maximum.

ADDITIONAL PAY

Internal information shows special pay practices in the Department of Social and Health Services (DSHS). DSHS pays psychiatrists for all hours over and above those necessary to accomplish the physician's regular assignment and fulfill his or her core responsibility.

The proposed general service classified longevity Step M included in the 2013–15 collective bargaining agreements will provide potential salary growth for employees who have been in the same pay range at Step L for six years.

ANALYSIS PROTOCOL

SHRD used the available verifiable and validated data for the market analysis. The salary analysis is focused on the market salary range (minimum and maximum). Actual salaries may change often as

new employees are hired and existing employees' salaries change; therefore, using the maximum and minimum an employer is willing to pay for the job is the most constant measure for the purpose of market salary comparison.

Higher education data, specifically salary information for the University of Washington, were not included in this study. The work performed is in teaching and/or research positions and not comparable to the work performed by DSHS or the Department of Corrections.

To ensure compatibility with the 2014 Total Compensation Survey, we applied the same conceptual approach to this market analysis. Therefore, the BLS salary data used was that of states identified as most comparable to Washington. All available statistics for each state were applied, such as population, income per capita, full-time equivalents, percent of national GDP, cost of living index, unemployment rate and revenue.

The selected states are Arizona, Colorado, Georgia, Indiana, Maryland, Michigan, Minnesota, Missouri, New Jersey, North Carolina, Tennessee, Virginia and Wisconsin.

The simple average was calculated to identify the survey results' minimum and maximum. Comparison of the results to internal data was conducted and the market gap was identified.

MARKET DATA ANALYSIS

The benchmark description used for the purposes of this survey (information drawn from existing Psychiatrist class specifications) is as follows:

As staff psychiatrist in a mental hospital, administers psychiatric treatment of mentally ill patients. Examines and diagnoses mentally ill patients. Establishes treatment programs and periodically reviews patients' progress. Prescribes, conducts and administers group and individual psychotherapy, psychotropic drugs, psychological examinations and electroconvulsive therapy. Interviews, examines and admits patients to hospital. Interviews or corresponds with relatives, friends, employers and others on patient's background, progress and prognosis; conducts or takes part in research projects related to mental illness and therapy programs. Prescribes and coordinates medical treatment program with other therapy programs. Establishes and prescribes overall therapy programs for individual patients.

The minimum requirements for Psychiatrist positions are as follows: Valid license to practice medicine and surgery in the state of Washington **and** completion of three-year residency in psychiatry. Higher-level positions in this class series may require certification by American Board of Psychiatry and Neurology.

Data - Psychiatrist

Bureau of Labor Statistics (BLS)

BLS information for Psychiatrist salary was collected in May 2012 and reported at a median wage of about \$177,520 a year or approximately \$85.35 per hour. The state-by-state salary information for Psychiatrist jobs listed on the market ranged from \$113,000 to \$159,000 for those entry-level jobs.

State	Minimum	Maximum
Arizona	\$75,000	\$225,000
Colorado	\$75,000	\$225,000
Georgia	\$90,000	\$270,000
Idaho	\$70,000	\$210,000
Maryland	\$85,000	\$255,000
Massachusetts	\$95,000	\$285,000
Michigan	\$80,000	\$240,000
Mississippi	\$95,000	\$285,000
Missouri	\$80,000	\$240,000
New Jersey	\$85,000	\$255,000
North Carolina	\$80,000	\$240,000
Tennessee	\$80,000	\$240,000
Virginia	\$80,000	\$240,000
Wisconsin	\$75,000	\$225,000
Average All Psychiatrists	\$81,786	\$245,357
BLS Entry Level	\$113,000	\$159,000

ERI Survey Code: 3045 Psychiatrist

Alternate Titles: Medical Psychiatrist; Physician Psychiatrist

Benchmark Overview: Diagnoses and treats patients with mental, emotional and behavioral disorders. Organizes data concerning patient's family, medical history and onset of symptoms obtained from patient, relatives and other sources, such as general duty nurse and psychiatric social worker. Determines general physical condition, upon examining patient, following standard medical procedures. Board certified.

ERI's Salary Assessor

Base Salaries (values in U.S. dollars) Psychiatrist eDOT:070.107-014 SOC: 91066 ERI: 3045

Years of Experience	25th Percentile	75th Percentile
24	\$221,931	\$286,593
23	\$218,419	\$282,056
22	\$214,897	\$277,507
21	\$211,356	\$272,933
20	\$207,786	\$268,321
19	\$204,177	\$263,658
18	\$200,518	\$258,930
17	\$196,798	\$254,123
16	\$193,004	\$249,222
15	\$189,126	\$244,211
14	\$185,150	\$239,074
13	\$181,062	\$233,791
12	\$176,845	\$228,344
11	\$172,488	\$222,717
10	\$167,991	\$216,915
9	\$163,353	\$210,950
8	\$158,431	\$204,837
7	\$153,234	\$198,590
6	\$148,814	\$185,765
5	\$142,814	\$185,765
4	\$137,542	\$179,222
3	\$132,243	\$172,616
2	\$126,931	\$165,961
1	\$121,625	\$159,259

Area: Washington - Statewide, United States Industry: Industry data breakout not available Annualized Salary Trend: 1.70% (Adjustment: 0.28%) Data as of: April 1, 2013

OPM - Psychiatrist

Salary Table No. 2012-SI/St

Rates of Basic Pay for Employees in Senior-Level (SI) and Scientific or Professional (St) Positions Rates Frozen at 2010 Levels

Effective January 2012 Structure of the SL/ST Pay System	Minimum	Maximum
Agencies with a Certified SL/ST Performance Appraisal System	\$ 119 , 554	\$ 179,700
Agencies without a Certified SL/ST Performance Appraisal System	\$ 119 , 554	\$ 165,300

NCASG Survey Conducted by the State of North Carolina

Psychiatrist

State	Minimum	Maximum
New York	\$123,651	\$200,000
Idaho	\$115,835	\$213,075
North Dakota	\$233,000	\$233,000
Michigan	\$115,759	\$162,739
Ohio	\$137,683	\$156,642
Average of Responses	\$145,186	\$193,091

NCASG Survey Conducted by the State of Minnesota

Forensic Psychiatrist

State	Minimum	Maximum
New York	\$151,750	\$200,000
Florida	\$72,493	\$188,393
Wyoming	\$163,000	\$230,000
Kentucky	\$108,552	\$173,688
West Virginia	\$154,000	\$184,318
North Carolina	\$142,248	\$248,082
Average of Responses	\$132,007	\$204,080

VA Hospital Puget Sound Region

The VA pay scale for Physician (Psychiatrist) is \$97,987-\$250,000 per year.

The VA Hospital Puget Sound Region has two divisions — Seattle and American Lake — which employ 46 Psychiatrists. The mean annual salary is \$192,135. The median annual salary is \$190,000.

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