

Overview of System Membership

The state administers nine retirement systems for state and local public employees. Retirement system membership is determined according to the participant's occupation and employer. Employees covered by each system are defined in separate chapters of the Revised Code of Washington.

In addition to the six systems described below, the state also administers benefits for volunteer fire fighters and two small judicial systems, which are not included in this valuation. The volunteer fire fighters have a separate actuarial valuation. The judicial systems are closed to new members, and any judge hired after June 30, 1988, becomes a member of the Public Employees' Retirement System Plans 2/3.

PERS - Public Employees' Retirement System <i>Chapter 41.40 RCW</i>	State employees; employees of all counties and most cities (some exceptions are Tacoma, Seattle, and Spokane); non-teaching employees of institutions of higher learning and community colleges; employees of ports, service districts, Energy Northwest, public utility districts, and judges first elected or appointed after June 30, 1988.
TRS - Teachers' Retirement System <i>Chapter 41.32 RCW</i>	Certificated teachers; administrators; and educational staff associates.
SERS - School Employees' Retirement System <i>Chapter 41.35 RCW</i>	Classified school district employees.
PSERS - Public Safety Employees' Retirement System <i>Chapter 41.37 RCW</i>	Correction officers (state, state community, county, city, and local community); state park rangers; enforcement officers with the Liquor and Cannabis Board, Washington State Patrol (commercial vehicle), Gambling Commission, and the Department of Natural Resources.
LEOFF - Law Enforcement Officers' and Fire Fighters' Retirement System <i>Chapter 41.26 RCW</i>	Fire fighters; emergency medical technicians; law enforcement officers including sheriffs; university, port, city police officers, and enforcement officers with the Department of Fish and Wildlife.
WSPRS - Washington State Patrol Retirement System <i>Chapter 43.43 RCW</i>	Commissioned officers of the Washington State Patrol.

Beginning with the 2015 valuation period, OSA performs actuarial valuations for certain retirement provisions under Higher Education Retirement Plans. These plans are offered to certain employees of colleges and universities in Washington and are not administered by the Department of Retirement Systems. The results of these valuations are prepared in separate reports.

Participant Data

2017 Actuarial Valuation

Active Membership By Employer and Plan as of June 30, 2017							
Employer	All	PERS			TRS		
	Systems	Plan 1	Plan 2	Plan 3	Plan 1	Plan 2	Plan 3
State Agencies	62,510	787	44,244	13,015	5	29	48
Higher Education	23,124	265	14,703	7,738	5	5	290
Community Colleges	6,471	92	4,292	1,642	24	39	382
K-12	131,184	687	0	0	661	18,561	52,745
Counties	35,332	389	24,666	5,107	0	0	0
County Sub Divisions	14,231	112	10,911	2,789	0	0	0
First Class Cities	8,570	45	2,584	654	0	0	0
Other Cities	18,514	125	11,067	2,243	0	0	0
Ports	2,587	25	1,948	424	0	0	0
Education Service District	2,122	12	0	0	3	82	225
Fire Districts	4,777	4	733	119	0	0	0
Public Utility District	4,774	29	4,117	628	0	0	0
Water Districts	2,158	22	1,873	263	0	0	0
Energy Northwest	1,119	2	796	321	0	0	0
Unions	1	1	0	0	0	0	0
Charter Schools	176	0	0	0	0	26	85
Tribal Compact Schools	27	0	0	0	0	5	5
Total	317,677	2,597	121,934	34,943	698	18,747	53,780

Active Membership By Employer and Plan as of June 30, 2017							
Employer	<i>(Continued)</i> SERS		PSERS	LEOFF		WSPRS	
	Plan 2	Plan 3	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2
State Agencies	0	0	3,238	0	134	464	546
Higher Education	0	0	0	0	118	0	0
Community Colleges	0	0	0	0	0	0	0
K-12	25,773	32,757	0	0	0	0	0
Counties	0	0	2,275	6	2,889	0	0
County Sub Divisions	0	0	129	0	290	0	0
First Class Cities	0	0	30	22	5,235	0	0
Other Cities	0	0	150	8	4,921	0	0
Ports	0	0	0	1	189	0	0
Education Service District	888	912	0	0	0	0	0
Fire Districts	0	0	0	3	3,918	0	0
Public Utility District	0	0	0	0	0	0	0
Water Districts	0	0	0	0	0	0	0
Energy Northwest	0	0	0	0	0	0	0
Unions	0	0	0	0	0	0	0
Charter Schools	24	41	0	0	0	0	0
Tribal Compact Schools	12	5	0	0	0	0	0
Total	26,697	33,715	5,822	40	17,694	464	546

Participant Data

2017 Actuarial Valuation

The following tables show participant data changes from last year's valuation to this year's valuation. We divide the participant data into two main categories:

- ❖ **Actives** — members accruing benefits in the plan.
- ❖ **Annuitants** — members and beneficiaries receiving benefits from the plan.

Reconciliation of Participant Data								
	PERS				TRS			
	Plan 1	Plan 2	Plan 3	Total	Plan 1	Plan 2	Plan 3	Total
2016 Actives	3,227	119,677	33,240	156,144	967	17,242	52,706	70,915
Transfers	0	(257)	5,383	5,126	0	(187)	3,036	2,849
Hires/Rehires	47	13,663	805	14,515	15	3,338	1,975	5,328
New Retirees	(619)	(3,043)	(387)	(4,049)	(270)	(246)	(779)	(1,295)
Deaths	(8)	(222)	(33)	(263)	(3)	(12)	(39)	(54)
Terminations	(50)	(7,884)	(4,065)	(11,999)	(11)	(1,388)	(3,119)	(4,518)
2017 Actives	2,597	121,934	34,943	159,474	698	18,747	53,780	73,225
2016 Annuitants	49,268	42,591	3,684	95,543	34,787	4,687	8,843	48,317
New Retirees	835	4,585	599	6,019	302	425	1,425	2,152
Annuitant Deaths	(2,307)	(944)	(54)	(3,305)	(1,137)	(69)	(60)	(1,266)
New Survivors	322	314	36	672	205	18	62	285
Other	(7)	(9)	(3)	(19)	(6)	(1)	(6)	(13)
2017 Annuitants	48,111	46,537	4,262	98,910	34,151	5,060	10,264	49,475
Ratio Actives to Annuitants	0.05	2.62	8.20	1.61	0.02	3.70	5.24	1.48

Reconciliation of Participant Data (Continued)				
	SERS			PSERS
	Plan 2	Plan 3	Total	Plan 2
2016 Actives	25,950	32,314	58,264	5,483
Transfers	(412)	4,499	4,087	0
Hires/Rehires	4,152	681	4,833	895
New Retirees	(570)	(628)	(1,198)	(53)
Deaths	(39)	(47)	(86)	(4)
Terminations	(2,384)	(3,104)	(5,488)	(499)
2017 Actives	26,697	33,715	60,412	5,822
2016 Annuitants	7,380	6,708	14,088	108
New Retirees	927	1,050	1,977	60
Annuitant Deaths	(145)	(86)	(231)	(1)
New Survivors	54	57	111	0
Other	0	(4)	(4)	0
2017 Annuitants	8,216	7,725	15,941	167
Ratio Actives to Annuitants	3.25	4.36	3.79	34.86

Participant Data

2017 Actuarial Valuation

Reconciliation of Participant Data (Continued)							
	LEOFF			WSPRS			All Systems
	Plan 1	Plan 2	Total	Plan 1	Plan 2	Total	
2016 Actives	62	17,186	17,248	498	470	968	309,022
Transfers	0	0	0	0	0	0	12,062
Hires/Rehires	1	1,372	1,373	0	85	85	27,029
New Retirees	(23)	(518)	(541)	(34)	0	(34)	(7,170)
Deaths	0	(17)	(17)	0	(1)	(1)	(425)
Terminations	0	(329)	(329)	0	(8)	(8)	(22,841)
2017 Actives	40	17,694	17,734	464	546	1,010	317,677
2016 Annuitants	7,378	4,259	11,637	1,078	0	1,078	170,771
New Retirees	24	603	627	37	0	37	10,872
Annuitant Deaths	(277)	(26)	(303)	(19)	0	(19)	(5,125)
New Survivors	105	24	129	17	0	17	1,214
Other	(2)	(9)	(11)	0	0	0	(47)
2017 Annuitants	7,228	4,851	12,079	1,113	0	1,113	177,685
Ratio Actives to Annuitants	0.01	3.65	1.47	0.42	N/A	0.91	1.79

Summary of Plan Participants

Summary of Plan Participants								
PERS	2017				2016			
	Plan 1	Plan 2	Plan 3	Total	Plan 1	Plan 2	Plan 3	Total
Active Members								
Number	2,597	121,934	34,943	159,474	3,227	119,677	33,240	156,144
Total Salaries (<i>Dollars in Millions</i>)	\$163	\$7,926	\$2,090	\$10,179	\$197	\$7,570	\$1,932	\$9,699
Average Age	65.1	47.9	43.3	47.2	64.3	48.1	43.3	47.4
Average Service	25.7	12.1	8.4	11.5	25.5	12.4	8.5	11.8
Average Salary	\$62,610	\$65,002	\$59,809	\$63,825	\$61,171	\$63,249	\$58,110	\$62,112
Terminated Members								
Number Vested	660	27,796	5,598	34,054	830	27,430	5,239	33,499
Number Non-Vested	3,018	107,483	0	110,501	3,199	104,588	0	107,787
Retirees (Including L&I Disabled)								
Number of Retirees (All)	48,111	46,537	4,262	98,910	49,268	42,591	3,684	95,543
Avg Monthly Benefit, All Retirees	\$2,048	\$1,592	\$890	\$1,783	\$2,008	\$1,517	\$867	\$1,745
Number of New Service Retirees	819	4,481	591	5,891	919	4,333	505	5,757
Avg. Benefit, New Service Retirees	\$2,390	\$2,113	\$1,001	\$2,040	\$2,290	\$1,975	\$1,069	\$1,946

Participant Data

2017 Actuarial Valuation

Summary of Plan Participants
(Continued)

TRS	2017				2016			
	Plan 1	Plan 2	Plan 3	Total	Plan 1	Plan 2	Plan 3	Total
Active Members								
Number	698	18,747	53,780	73,225	967	17,242	52,706	70,915
Total Salaries (<i>Dollars in Millions</i>)	\$61	\$1,244	\$4,196	\$5,501	\$81	\$1,104	\$3,947	\$5,132
Average Age	66.1	41.7	46.2	45.2	65.3	41.9	46.2	45.4
Average Service	32.3	7.7	14.1	12.6	31.8	7.9	14.0	12.8
Average Salary	\$87,446	\$66,374	\$78,023	\$75,130	\$83,405	\$64,055	\$74,892	\$72,373
Terminated Members								
Number Vested	187	2,612	8,914	11,713	217	2,532	8,718	11,467
Number Non-Vested	311	6,300	0	6,611	343	5,847	0	6,190
Temporarily Disabled	0	0	0	0	0	0	0	0
Retirees								
Number of Retirees (All)	34,151	5,060	10,264	49,475	34,787	4,687	8,843	48,317
Avg Monthly Benefit, All Retirees	\$2,178	\$1,924	\$1,139	\$1,936	\$2,150	\$1,864	\$1,093	\$1,929
Number of New Service Retirees	302	418	1,406	2,126	445	427	1,393	2,265
Avg. Benefit, New Service Retirees	\$3,223	\$2,365	\$1,380	\$1,835	\$3,081	\$2,259	\$1,277	\$1,816

Summary of Plan Participants
(Continued)

SERS	2017			2016		
	Plan 2	Plan 3	Total	Plan 2	Plan 3	Total
Active Members						
Number	26,697	33,715	60,412	25,950	32,314	58,264
Total Salaries (<i>Dollars in Millions</i>)	\$885	\$1,127	\$2,012	\$817	\$1,043	\$1,860
Average Age	49.8	49.5	49.6	49.9	50.0	50.0
Average Service	9.1	9.9	9.5	9.3	10.3	9.9
Average Salary	\$33,153	\$33,436	\$33,311	\$31,493	\$32,269	\$31,923
Terminated Members						
Number Vested	5,914	8,403	14,317	5,724	7,951	13,675
Number Non-Vested	13,740	0	13,740	12,205	0	12,205
Retirees						
Number of Retirees (All)	8,216	7,725	15,941	7,380	6,708	14,088
Avg Monthly Benefit, All Retirees	\$879	\$480	\$686	\$859	\$467	\$672
Number of New Service Retirees	911	1,033	1,944	869	970	1,839
Avg. Benefit, New Service Retirees	\$978	\$537	\$744	\$921	\$501	\$699

Participant Data

2017 Actuarial Valuation

Summary of Plan Participants (Continued)		
PSERS	2017	2016
	Plan 2	Plan 2
Active Members		
Number	5,822	5,483
Total Salaries (<i>Dollars in Millions</i>)	\$362	\$327
Average Age	40.1	40.2
Average Service	6.0	5.7
Average Salary	\$62,247	\$59,700
Terminated Members		
Number Vested	468	393
Number Non-Vested	2,240	1,947
Retirees		
Number of Retirees (All)	167	108
Avg Monthly Benefit, All Retirees	\$745	\$584
Number of New Service Retirees	54	27
Avg. Benefit, New Service Retirees	\$1,063	\$887

Summary of Plan Participants (Continued)						
LEOFF	2017			2016		
	Plan 1	Plan 2	Total	Plan 1	Plan 2	Total
Active Members						
Number	40	17,694	17,734	62	17,186	17,248
Total Salaries (<i>Dollars in Millions</i>)	\$5	\$1,879	\$1,883	\$7	\$1,786	\$1,793
Average Age	65.8	43.2	43.3	64.5	43.5	43.6
Average Service	41.1	14.2	14.3	40.4	14.5	14.6
Average Salary	\$114,135	\$106,169	\$106,187	\$108,061	\$103,947	\$103,962
Terminated Members						
Number Vested	0	863	863	1	953	954
Number Non-Vested	29	1,917	1,946	31	1,806	1,837
Retirees						
Number of Retirees (All)	7,228	4,851	12,079	7,378	4,259	11,637
Avg Monthly Benefit, All Retirees	\$4,181	\$3,894	\$4,066	\$4,063	\$3,726	\$3,939
Number of New Service Retirees*	24	572	596	20	523	543
Avg. Benefit, New Service Retirees	\$8,455	\$4,798	\$4,945	\$8,065	\$4,632	\$4,759

*Includes disabled retirees for Plan 1 only.

Summary of Plan Participants (Continued)						
WSPRS	2017			2016		
	Plan 1	Plan 2	Total	Plan 1	Plan 2	Total
Active Members						
Number	464	546	1,010	498	470	968
Total Salaries (<i>Dollars in Millions</i>)	\$48	\$45	\$93	\$47	\$36	\$83
Average Age	48.2	33.7	40.4	47.5	33.9	40.9
Average Service	21.4	7.3	13.8	20.7	7.4	14.2
Average Salary	\$102,624	\$82,863	\$91,941	\$93,338	\$77,349	\$85,575
Terminated Members						
Number Vested	73	31	104	76	28	104
Number Non-Vested	17	53	70	17	53	70
Disabled Members*	42	0	42	46	0	46
Retirees						
Number of Retirees (All)	1,113	0	1,113	1,078	0	1,078
Avg Monthly Benefit, All Retirees	\$4,287	\$0	\$4,287	\$4,215	\$0	\$4,215
Number of New Service Retirees	37	0	37	56	0	56
Avg. Benefit, New Service Retirees	\$4,389	\$0	\$4,389	\$4,652	\$0	\$4,652

*Benefits provided outside of pension funds.