

Summary of findings (November 2006)

Average age at retirement: 59 years old

Average years of service at retirement: 21.7 years of service

Average monthly retirement benefit

- For all retirees from 1990-2005, the average monthly retirement benefit at time of retirement was \$2,023 per month, or about \$24,275 annually
- For those retirees in the most recent year (2005), the average monthly retirement benefit was \$2,293 per month, or about \$27,515 annually

Average public employee salaries at retirement

- For all retirees from 1990-2005, the final average salary at retirement was \$40,672 annually
- For 2005 retirees, the final average salary at retirement was \$52,418 annually

Average salary replacement ratio (see chart on following page)

- For all retirees from 1990-2005, the average annual retirement benefit equaled 55% of final average salary at the time of retirement
- For 2005 retirees, the average annual retirement benefit equaled 51% of final average salary
- For all retirees from 1990-2005, there were 8.6% who received annual benefits more than 100% of final average salary
- For 2005 retirees, there were 4.4% who received annual benefits more than 100% of final average salary

For members who retire with 30 years of service (see chart on following page)

- From 1990-2005, the average retirement benefit for 30-year members equaled 80% of final average salary and the average monthly benefit was \$3,258 per month
- The average retirement benefit for 30-year members peaked at 100% of final average salary in 2000 and their average monthly benefit was \$4,200 per month
- For 2005 only, the average retirement benefit for 30-year members equaled 84% of final average salary and the average monthly benefit was \$3,944 per month
- 11.54% of retirees from 1990-2005 had 30 years of service
- 15.4% of retirees in 2005 had 30 years of service

Summary of findings (continued)

Average salary replacement ratio based on final average salary (FAS)

		with 30 Years Service	All Retirees in Study			
Calendar Year	# of Retirees in Study	Average Replacement Ratio Based on FAS	# of Retirees in Study	Average Replacement Ratio Based on FAS	% of Retirees Receiving >100% of FAS	
1990	146	61%	1,866	44%	.0%	
1991	217	61%	2,377	45%	.1%	
1992	205	67%	2,432	48%	.5%	
1993	289	66%	2,744	48%	.5%	
1994	302	67%	3,298	49%	.3%	
1995	304	66%	2,827	47%	1.0%	
1996	281	70%	2,477	49%	1.4%	
1997	295	83%	3,107	57%	7.5%	
1998	465	89%	4,567	65%	12.0%	
1999	548	93%	4,644	65%	14.0%	
2000	273	100%	2,112	63%	15.8%	
2001	391	99%	3,146	66%	16.5%	
2002	670	96%	4,605	68%	17.4%	
2003	942	93%	7,631	66%	14.4%	
2004	471	84%	3,259	55%	5.5%	
2005	393	84%	2,548	51%	4.4%	
Total/Avg	6,192	80%	53,640	55%	8.6%	

Exclusions and Assumptions 11/17/06

The Replacement Ratio Study population of 53,640 retirements was drawn from 76,552 retirements from January 1990 through December 2005, and covers retired members who selected comparable monthly benefit options. The techniques used in the 2006 PERS Replacement Ratio Study are consistent with the techniques used in previous studies.

The calculations do not include any federal Social Security benefits that a retiree may be eligible for based on the retiree's work history. The calculations also do not include the effects of the ongoing <u>Strunk/Eugene</u> benefit adjustments, which will generally impact retirements occurring in 2000-2004 and reduce the reported replacement ratios for those periods by several percentage points.

EXCLUSIONS:

Job Class Exclusions

The study is limited to retirees in the General Service and Police & Fire job classes from January 1990 through December 2005.

Job class 1 (General Service) includes 49,514 members; job class 2 (Police & Fire) includes 4,126 members. Excluded job classes are:

- Job class 3, Police/Fire Unit (able to buy service units)
- Job class 4, TIAA/CREF
- Job class 5, Judge Member
- Job class 6, Legislators
- Job class 7. TRFA
- Job class 8, Elected/Appointed Officials
- Job class A. A-Election

Beneficiaries and alternate payees were also excluded, as the inclusion of these populations would skew the results due to the wide range of payout scenarios related to death and divorce benefits.

Retirement Option Exclusions

Within job classes 1 and 2, additional records were excluded based upon retirement option. All lump sum benefit types were excluded due to the distorting effect of significant payouts at one time on replacement ratio results. These excluded retirement option codes are:

- L1 Lump Sum Option 1: Refund of Account plus life annuity
- L2 Lump Sum Option 2: Refund of Account Balance plus 100% J/S
- L3 Lump Sum Option 3: Refund of Account Balance plus 50% J/S
- L7 Total Lump Sum: Refund of employee and employer dollars
- L2A Lump Sum Option 2A: Refund of Account Balance plus Pop-up or 100% J/S
- L3A Lump Sum Option 3A: Refund of Account Balance plus Pop-up or 50% J/S

Other Exclusions

- Any record which fell outside the range January 1990 December 2005 range
- Any record that had a greater than one-year gap between end contribution date and retirement date

Exclusions and Assumptions 11/17/06

ASSUMPTIONS:

For the purposes of this study the following assumptions were used:

- Any account with a variable balance during the three years prior to retirement was considered a variable account member.
- For final average salary (FAS), we use the average salary of the highest three calendar years prior to the year in which the member retired. This definition of FAS may not match the definition on which the actual member's benefit was calculated.
- Monthly gross benefit includes HB3349 benefits for qualifying retirees.

SPECIAL NOTE:

The averages and percentages displayed on the Replacement Ratio sheets are based upon the respective actual source data. The calculations on each Replacement Ratio sheet are not directly derived from one another. For instance, if the Average Monthly Gross benefit column is divided by the Average Monthly Salary column, it will not equal the Average Replacement Ratio column because the Average Replacement Ratio is derived from the average of replacement ratios in the source data. This method avoids distortions resulting from averaging averages. This is also the case with all of the median calculations. This method of analyzing the data provides a more accurate picture of the actual dataset being used.

		G	

Year	Number of	Average Retirement	,	•	Average Monthly	Average Annual	Average
	Retirements	Age	Salary	Salary	Gross Benefit	Gross Benefit	Replacement Ratio
1990	1,866	59	\$2,457	\$29,488	\$1,186	\$14,230	44%
1991	2,377	60	\$2,578	\$30,937	\$1,242	\$14,900	45%
1992	2,432	60	\$2,737	\$32,838	\$1,430	\$17,161	48%
1993	2,744	60	\$2,851	\$34,206	\$1,464	\$17,565	48%
1994	3,298	59	\$3,018	\$36,222	\$1,582	\$18,989	49%
1995	2,827	59	\$3,067	\$36,801	\$1,553	\$18,640	47%
1996	2,477	59	\$3,144	\$37,728	\$1,650	\$19,797	49%
1997	3,107	59	\$3,244	\$38,928	\$2,008	\$24,096	57%
1998	4,567	59	\$3,393	\$40,715	\$2,347	\$28,169	65%
1999	4,644	58	\$3,555	\$42,660	\$2,452	\$29,418	65%
2000	2,112	57	\$3,504	\$42,052	\$2,369	\$28,428	63%
2001	3,146	58	\$3,811	\$45,735	\$2,633	\$31,599	66%
2002	4,605	58	\$4,083	\$48,997	\$2,882	\$34,583	68%
2003	7,631	58	\$4,146	\$49,747	\$2,835	\$34,022	66%
2004	3,259	58	\$4,273	\$51,281	\$2,440	\$29,278	55%
2005	2,548	59	\$4,368	\$52,418	\$2,293	\$27,514	51%
Average Totals:	53,640	59	\$3,389	\$40,672	\$2,023	\$24,274	55%

MEDIAN

Year	Number of Retirements	Median Retirement Age	Median Monthly Salary	Median Annual Salary	Median Monthly Gross Benefit	Median Annual Gross Benefit	Median Replacement Ratio
1990	1,866	60	\$2,480	\$29,757	\$1,057	\$12,680	45%
1991	2,377	60	\$2,569	\$30,823	\$1,087	\$13,048	45%
1992	2,432	60	\$2,774	\$33,283	\$1,256	\$15,071	49%
1993	2,744	60	\$2,868	\$34,413	\$1,294	\$15,528	48%
1994	3,298	59	\$3,035	\$36,426	\$1,406	\$16,866	50%
1995	2,827	59	\$3,067	\$36,810	\$1,368	\$16,422	48%
1996	2,477	59	\$3,094	\$37,127	\$1,378	\$16,536	49%
1997	3,107	59	\$3,205	\$38,462	\$1,676	\$20,108	57%
1998	4,567	58	\$3,451	\$41,410	\$2,130	\$25,560	66%
1999	4,644	58	\$3,604	\$43,245	\$2,175	\$26,097	65%
2000	2,112	57	\$3,570	\$42,836	\$1,941	\$23,288	61%
2001	3,146	58	\$3,826	\$45,913	\$2,271	\$27,257	65%
2002	4,605	58	\$4,107	\$49,289	\$2,636	\$31,632	69%
2003	7,631	58	\$4,184	\$50,204	\$2,642	\$31,707	66%
2004	3,259	57	\$4,290	\$51,480	\$2,160	\$25,916	54%
2005	2,548	58	\$4,361	\$52,336	\$1,931	\$23,177	47%
Median Totals:	53,640	59	\$3,328	\$39,936	\$1,804	\$21,642	52%

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30 Year Stats by Year of Retirement Average and Median Police/Fire and General Service

2006 Replacement Ratio Study

2003

2004

2005

Median Totals:

942

471

393

6,192

54

54

54

55

AVERAGE	Year	Number of	Average Retirement	Average Monthly	Average Annual	Average Monthly	Average Annual	Average
		Retirements	Age	Salary	Salary	Gross Benefit	Gross Benefit	Replacement Ratio
	1990	146	57	\$3,199	\$38,386	\$1,954	\$23,445	61%
	1991	217	56	\$3,253	\$39,031	\$1,989	\$23,871	61%
	1992	205	56	\$3,312	\$39,744	\$2,211	\$26,531	67%
	1993	289	56	\$3,532	\$42,382	\$2,347	\$28,169	66%
	1994	302	56	\$3,725	\$44,703	\$2,473	\$29,679	67%
	1995	304	55	\$3,781	\$45,376	\$2,471	\$29,656	66%
	1996	281	56	\$4,002	\$48,025	\$2,793	\$33,515	70%
	1997	295	56	\$4,014	\$48,162	\$3,281	\$39,377	83%
	1998	465	55	\$4,121	\$49,447	\$3,640	\$43,685	89%
	1999	548	54	\$4,252	\$51,020	\$3,914	\$46,968	93%
	2000	273	54	\$4,227	\$50,729	\$4,200	\$50,399	100%
	2001	391	54	\$4,554	\$54,644	\$4,433	\$53,196	99%
	2002	670	55	\$4,570	\$54,842	\$4,287	\$51,450	96%
	2003	942	54	\$4,682	\$56,190	\$4,247	\$50,961	93%
	2004	471	55	\$4,808	\$57,691	\$3,946	\$47,356	84%
	2005	393	54	\$4,809	\$57,703	\$3,944	\$47,328	84%
	Average Totals:	6,192	55	\$4,052	\$48,630	\$3,258	\$39,099	80%

MEDIAN	Year	Number of Retirements	Median Retirement Age	Median Monthly Salary	Median Annual Salary	Median Monthly Gross Benefit	Median Annual Gross Benefit	Median Replacement Ratio
	1990	146	56	\$3,075	\$36,902	\$1,912	\$22,947	61%
	1991	217	56	\$3,174	\$38,092	\$1,942	\$23,301	62%
	1992	205	56	\$3,212	\$38,540	\$2,141	\$25,689	66%
	1993	289	56	\$3,443	\$41,317	\$2,254	\$27,051	66%
	1994	302	55	\$3,642	\$43,701	\$2,403	\$28,835	66%
	1995	304	55	\$3,713	\$44,551	\$2,456	\$29,466	65%
	1996	281	55	\$3,889	\$46,663	\$2,616	\$31,387	67%
	1997	295	55	\$3,945	\$47,337	\$3,220	\$38,641	80%
	1998	465	55	\$4,075	\$48,898	\$3,499	\$41,985	87%
	1999	548	54	\$4,191	\$50,296	\$3,760	\$45,124	91%
	2000	273	54	\$4,234	\$50,804	\$4,130	\$49,561	98%
	2001	391	54	\$4,467	\$53,603	\$4,355	\$52,266	98%
	2002	670	54	\$4,488	\$53,861	\$4,225	\$50,701	96%

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\$4,615

\$4,775

\$4,692

\$4,010

\$55,384

\$57,301

\$56,310

\$48,118

\$4,184

\$3,889

\$3,961

\$3,359

\$50,212

\$46,667

\$47,530

\$40,313

93%

83%

84%

81%