

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK  
PRELIMINARY EXPERIENCE STUDY RESULTS  
OVERVIEW**

Table Number	Table Type	2-YEAR PERIOD ENDING 6/30/2011		10-YEAR PERIOD ENDING 6/30/2011		GRS' Ideal A/E Range	Comments
		Ratio of Actual to Expected	Average Number of Decrements per Year	Ratio of Actual to Expected	Average Number of Decrements per Year		
	Service Retiree Mortality					110-120%	Consistent with national trends, the rates of mortality continue to decline. If trends continue, will recommend a material adjustment in the second engagement.
1A	Men	95%	529	102%	487		
1B	Women	107%	1086	114%	1039		
1C	By Year						
	Disabled Retiree Mortality					100-120%	Consistent with national trends, the rates of mortality continue to decline. If trends continue, will recommend a material adjustment in the second engagement.
2A	Men	100%	23	118%	26		
2B	Women	112%	67	118%	70		
2C	By Year						
3A	Active Member Withdrawals	99%	3419	124%	4122	100-115%	Actual withdrawals are considerably outpacing the expectations.
3B	By Year						
	Active Member Service Retirements In 1st Year of Eligibility					90-100%	Consistent with national trends, members continue to delay retirement past historical patterns. If trend continues, there could be room to weaken the assumption.
	Total						
4A	Men	74%	141	128%	235		
4B	Women	61%	376	99%	509		
	Improved						
4C	Men	84%	53	53%	11		
4D	Women	80%	179	47%	37		
	Un-Improved						
4E	Men	69%	89	138%	224		
4F	Women	50%	198	108%	473		
4G	By Year						
	In 2nd Year of Eligibility					90-100%	
	Total						
5A	Men	107%	105	175%	160		
5B	Women	109%	339	141%	350		
	Improved						
5C	Men	111%	31	72%	7		
5D	Women	95%	106	61%	22		
	Un-Improved						
5E	Men	105%	74	186%	154		
5F	Women	118%	234	155%	328		
5G	By Year						

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OVERVIEW**

Table Number	Table Type	2-YEAR PERIOD ENDING 6/30/2011		10-YEAR PERIOD ENDING 6/30/2011		GRS' Ideal A/E Range	Comments
		Ratio of Actual to Expected	Average Number of Decrements per Year*	Ratio of Actual to Expected	Average Number of Decrements per Year*		
	After 2nd Year of Eligibility					90-100%	
	Total						
6A	Men	66%	333	102%	478		
6B	Women	80%	1177	91%	1174		
	Improve						
6C	Men	103%	44	83%	9		
6D	Women	92%	144	71%	30		
	Unimproved						
6E	Men	63%	290	102%	469		
6F	Women	78%	1033	92%	1144		
6G	By Year						
	Reduced Service Retirements					90-100%	Extremely small experience along with an assumption that no member retires prior to age 55 for Tiers 1 & 2 produce an abnormal result. This assumption is very minor and the current assumption is likely appropriate for Tiers 3 & 4.
	Total						
7A	Men	219%	163	234%	139		
7B	Women	178%	515	176%	410		
7C	By Year						
	Active Member Ordinary Mortality					80-100%	Minor assumption.
8A	Men	137%	45	114%	36		
8B	Women	132%	74	150%	79		
8C	By Year						
	Active Member Ordinary Disability					80-100%	In total, the number of disabilities appears reasonable when compared to current assumptions. The allocation between ordinary and accidental disabilities does not appear to be consistent with expectations from the current assumptions and we believe it has to do with the introduction of the Tier IV status code. We will work with the OA to determine the appropriate classification for this new code.
9A	Men	20%	3	101%	24		
9B	Women	19%	13	91%	84		
9C	By Year						
	Active Member Accidental Disability					80-100%	
10A	Men	701%	39	249%	14		
10B	Women	729%	123	276%	44		
10C	By Year						
	Salary Increases*	<u>Expected</u>	<u>Actual</u>	<u>Expected</u>	<u>Actual</u>		While overall salary increases have been lower than historical data, the Merit portion of the assumption shows A/E ratios of 87% in the short-term and 112% in the long-term, which are both within range of the expectation.
11A	Total	6.61%	2.66%	6.67%	6.18%		
11B	Merit Only	2.61%	2.27%	2.67%	2.66%		
	General Increase over Inflation	1.50%	-1.90%	1.50%	1.53%		
11C	By Year						

\* For Salary Increases, average annual percentage increase in salary is shown. For Overtime Pay, average annual overtime pay is expressed as a percentage of salary.

Note: There are no proposed changes provided in this first engagement report. Recommended assumptions changes (if any) will be included with the second engagement.

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF SERVICE RETIREES**  
**MEN**

TABLE 1A

2-YEAR PERIOD ENDING 6/30/2011

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41	0	0	N/A	0.0978%		0		0%	
42	0	0	N/A	0.1078%		0		0%	
43	0	0	N/A	0.1176%		0		0%	
44	0	0	N/A	0.1272%		0		0%	
45	0	0	N/A	0.1364%		0		0%	
46	0	0	N/A	0.1455%		0		0%	
47	0	0	N/A	0.1543%		0		0%	
48	0	0	N/A	0.1631%		0		0%	
49	0	0	N/A	0.1715%		0		0%	
50	0	0	N/A	0.1815%		0		0%	
51	0	0	N/A	0.1998%		0		0%	
52	0	0	N/A	0.2176%		0		0%	
53	0	0	N/A	0.2400%		0		0%	
54	0	0	N/A	0.2629%		0		0%	
55	0	10	0.0000	0.2923%		0.0		0%	
56	0	133	0.0000	0.3313%		0.4		0%	
57	3	255	0.0118	0.3722%		0.9		316%	
58	1	380	0.0026	0.4154%		1.6		63%	
59	4	622	0.0064	0.4513%		2.8		142%	
60	6	983	0.0061	0.4875%		4.8		125%	
61	5	1,512	0.0033	0.5732%		8.7		58%	
62	15	2,296	0.0065	0.6495%		14.9		101%	
63	22	2,783	0.0079	0.7429%		20.7		106%	
64	15	2,665	0.0056	0.8234%		21.9		68%	
65	19	2,302	0.0083	0.8897%		20.5		93%	
66	17	2,068	0.0082	1.0376%		21.5		79%	
67	19	1,990	0.0095	1.1641%		23.2		82%	
68	19	1,793	0.0106	1.2609%		22.6		84%	
69	18	1,528	0.0118	1.3799%		21.1		85%	
70	17	1,411	0.0120	1.4650%		20.7		82%	
71	23	1,373	0.0168	1.6146%		22.2		104%	
72	13	1,358	0.0096	1.7612%		23.9		54%	
73	15	1,270	0.0118	1.9048%		24.2		62%	
74	21	1,212	0.0173	2.0453%		24.8		85%	
75	27	1,165	0.0232	2.2299%		26.0		104%	
76	33	1,074	0.0307	2.4856%		26.7		124%	
77	33	1,109	0.0298	2.7947%		31.0		106%	
78	32	1,082	0.0296	3.1104%		33.7		95%	
79	26	998	0.0261	3.4326%		34.3		76%	
80	44	959	0.0459	3.7991%		36.4		121%	
81	39	952	0.0410	4.4263%		42.1		93%	
82	49	906	0.0541	5.0785%		46.0		106%	
83	53	828	0.0640	5.6361%		46.7		114%	
84	53	758	0.0699	6.3260%		48.0		111%	
85	35	626	0.0559	6.8955%		43.2		81%	
86	47	541	0.0869	7.8204%		42.3		111%	
87	41	523	0.0784	8.9495%		46.8		88%	
88	39	443	0.0880	10.1407%		44.9		87%	
89	33	331	0.0997	11.1587%		36.9		89%	
90	30	248	0.1210	12.4543%		30.9		97%	
91	27	195	0.1385	14.3062%		27.9		97%	
92	26	158	0.1646	16.5497%		26.1		99%	
93	21	126	0.1667	18.5179%		23.3		90%	
94	23	108	0.2130	20.5396%		22.2		104%	
95	20	88	0.2273	23.1217%		20.3		98%	
96	16	55	0.2909	25.2155%		13.9		115%	
97	16	46	0.3478	27.2485%		12.5		128%	
98	14	46	0.3043	29.9756%		13.8		102%	
99	9	38	0.2368	31.9397%		12.1		74%	
Subtotal	1,038	41,347				1,089.4		95%	
Other Ages	19	52	0.3654	37.0987%		19.3		98%	
Total	1,057	41,399				1,108.7		95%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF SERVICE RETIREES**  
**WOMEN**

**TABLE 1B**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41	0	0	N/A	0.0607%		0		0%	
42	0	0	N/A	0.0658%		0		0%	
43	0	0	N/A	0.0717%		0		0%	
44	0	0	N/A	0.0783%		0		0%	
45	0	0	N/A	0.0842%		0		0%	
46	0	0	N/A	0.0907%		0		0%	
47	0	0	N/A	0.0977%		0		0%	
48	0	0	N/A	0.1071%		0		0%	
49	0	0	N/A	0.1167%		0		0%	
50	0	0	N/A	0.1292%		0		0%	
51	0	0	N/A	0.1426%		0		0%	
52	0	0	N/A	0.1603%		0		0%	
53	0	0	N/A	0.1800%		0		0%	
54	0	3	0.0000	0.1998%		0.0		0%	
55	0	45	0.0000	0.2176%		0.1		0%	
56	2	331	0.0060	0.2400%		0.8		252%	
57	2	648	0.0031	0.2629%		1.7		117%	
58	7	1,111	0.0063	0.2923%		3.2		216%	
59	6	1,697	0.0035	0.3313%		5.6		107%	
60	6	2,374	0.0025	0.3722%		8.8		68%	
61	15	3,247	0.0046	0.4154%		13.5		111%	
62	17	3,985	0.0043	0.4513%		18.0		95%	
63	24	4,245	0.0057	0.4875%		20.7		116%	
64	17	3,876	0.0044	0.5477%		21.2		80%	
65	20	3,703	0.0054	0.5921%		21.9		91%	
66	30	3,976	0.0075	0.6627%		26.3		114%	
67	23	4,221	0.0054	0.7359%		31.1		74%	
68	28	3,846	0.0073	0.8360%		32.2		87%	
69	21	3,411	0.0062	0.8911%		30.4		69%	
70	33	3,213	0.0103	0.9723%		31.2		106%	
71	26	3,093	0.0084	1.0643%		32.9		79%	
72	30	2,873	0.0104	1.1776%		33.8		89%	
73	40	2,699	0.0148	1.2630%		34.1		117%	
74	38	2,582	0.0147	1.3704%		35.4		107%	
75	41	2,472	0.0166	1.4425%		35.7		115%	
76	46	2,483	0.0185	1.6514%		41.0		112%	
77	35	2,410	0.0145	1.9002%		45.8		76%	
78	50	2,341	0.0214	2.1122%		49.4		101%	
79	68	2,269	0.0300	2.3209%		52.7		129%	
80	66	2,175	0.0303	2.5246%		54.9		120%	
81	61	2,111	0.0289	3.0055%		63.4		96%	
82	67	2,126	0.0315	3.4326%		73.0		92%	
83	78	1,971	0.0396	3.7991%		74.9		104%	
84	62	1,711	0.0362	4.4263%		75.7		82%	
85	76	1,571	0.0484	5.0785%		79.8		95%	
86	99	1,535	0.0645	5.6361%		86.5		114%	
87	106	1,403	0.0756	6.3260%		88.8		119%	
88	105	1,155	0.0909	6.8955%		79.6		132%	
89	71	936	0.0759	7.8204%		73.2		97%	
90	85	839	0.1013	8.9495%		75.1		113%	
91	76	747	0.1017	10.1407%		75.8		100%	
92	81	632	0.1282	11.1587%		70.5		115%	
93	85	515	0.1650	12.4543%		64.1		133%	
94	62	409	0.1516	14.3062%		58.5		106%	
95	72	368	0.1957	16.5497%		60.9		118%	
96	60	278	0.2158	18.5179%		51.5		117%	
97	31	186	0.1667	20.5396%		38.2		81%	
98	41	171	0.2398	22.7737%		38.9		105%	
99	48	159	0.3019	23.1685%		36.8		130%	
Subtotal	2,057	88,152				1,947.8		106%	
Other Ages	114	353	0.3229	24.7726%		87.4		130%	
Total	2,171	88,505				2,035.3		107%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF SERVICE RETIREES**  
**MEN**

**TABLE 1A GROUPED**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41-44	0	0	N/A			0		0%	
45-49	0	0	N/A			0		0%	
50-54	0	0	N/A			0		0%	
55-59	8	1,400	0.0057	0.41%		5.8		138%	
60-64	63	10,239	0.0062	0.69%		71.0		89%	
65-69	92	9,681	0.0095	1.12%		108.8		85%	
70-74	89	6,624	0.0134	1.75%		115.7		77%	
75-79	151	5,428	0.0278	2.79%		151.6		100%	
80-84	238	4,403	0.0541	4.98%		219.2		109%	
85-89	195	2,464	0.0791	8.69%		214.1		91%	
90-94	127	835	0.1521	15.62%		130.4		97%	
95-99	75	273	0.2747	26.62%		72.7		103%	
Other Ages	19	52	0.3654	37.10%		19.3		98%	
Total	1,057	41,399				1,108.7		95%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF SERVICE RETIREES**  
**WOMEN**

**TABLE 1B GROUPED**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7) (7)	Proposed (8) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41-44	0	0	N/A			0		0%	
45-49	0	0	N/A			0		0%	
50-54	0	3	0.0000	0.20%		0.0		0%	
55-59	17	3,832	0.0044	0.30%		11.5		148%	
60-64	79	17,727	0.0045	0.46%		82.2		96%	
65-69	122	19,157	0.0064	0.74%		141.9		86%	
70-74	167	14,460	0.0115	1.16%		167.5		100%	
75-79	240	11,975	0.0200	1.88%		224.6		107%	
80-84	334	10,094	0.0331	3.39%		341.9		98%	
85-89	457	6,600	0.0692	6.18%		407.9		112%	
90-94	389	3,142	0.1238	10.95%		344.0		113%	
95-99	252	1,162	0.2169	19.48%		226.4		111%	
Other Ages	114	353	0.3229	24.77%		87.4		130%	
Total	2,171	88,505				2,035.3		107%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF SERVICE RETIREES**  
**MEN**

TABLE 1A

10-YEAR PERIOD ENDING 6/30/2011

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41	0	1	0.0000	0.0978%		0.0		0%	
42	0	1	0.0000	0.1078%		0.0		0%	
43	0	1	0.0000	0.1176%		0.0		0%	
44	0	0	N/A	0.1272%		0		0%	
45	0	1	0.0000	0.1364%		0.0		0%	
46	0	2	0.0000	0.1455%		0.0		0%	
47	0	1	0.0000	0.1543%		0.0		0%	
48	0	1	0.0000	0.1631%		0.0		0%	
49	0	1	0.0000	0.1715%		0.0		0%	
50	0	0	N/A	0.1815%		0		0%	
51	0	12	0.0000	0.1998%		0.0		0%	
52	0	26	0.0000	0.2176%		0.1		0%	
53	0	39	0.0000	0.2400%		0.1		0%	
54	0	105	0.0000	0.2629%		0.3		0%	
55	3	439	0.0068	0.2923%		1.3		234%	
56	8	2,803	0.0029	0.3313%		9.3		86%	
57	22	4,609	0.0048	0.3722%		17.2		128%	
58	35	6,082	0.0058	0.4154%		25.3		139%	
59	43	7,315	0.0059	0.4513%		33.0		130%	
60	59	8,280	0.0071	0.4875%		40.4		146%	
61	55	8,873	0.0062	0.5732%		50.9		108%	
62	67	9,148	0.0073	0.6495%		59.4		113%	
63	72	9,271	0.0078	0.7429%		68.9		105%	
64	65	8,758	0.0074	0.8234%		72.1		90%	
65	72	8,066	0.0089	0.8897%		71.8		100%	
66	57	7,565	0.0075	1.0376%		78.5		73%	
67	74	7,208	0.0103	1.1641%		83.9		88%	
68	88	6,843	0.0129	1.2609%		86.3		102%	
69	72	6,534	0.0110	1.3799%		90.2		80%	
70	87	6,352	0.0137	1.4650%		93.1		93%	
71	87	6,201	0.0140	1.6146%		100.1		87%	
72	91	6,065	0.0150	1.7612%		106.8		85%	
73	88	5,944	0.0148	1.9048%		113.2		78%	
74	128	5,744	0.0223	2.0453%		117.5		109%	
75	145	5,628	0.0258	2.2299%		125.5		116%	
76	146	5,382	0.0271	2.4856%		133.8		109%	
77	147	5,167	0.0284	2.7947%		144.4		102%	
78	174	4,961	0.0351	3.1104%		154.3		113%	
79	162	4,681	0.0346	3.4326%		160.7		101%	
80	189	4,351	0.0434	3.7991%		165.3		114%	
81	165	4,002	0.0412	4.4263%		177.1		93%	
82	178	3,632	0.0490	5.0785%		184.5		97%	
83	199	3,242	0.0614	5.6361%		182.7		109%	
84	207	2,866	0.0722	6.3260%		181.3		114%	
85	176	2,440	0.0721	6.8955%		168.3		105%	
86	164	2,108	0.0778	7.8204%		164.9		99%	
87	184	1,862	0.0988	8.9495%		166.6		110%	
88	162	1,587	0.1021	10.1407%		160.9		101%	
89	160	1,338	0.1196	11.1587%		149.3		107%	
90	172	1,149	0.1497	12.4543%		143.1		120%	
91	137	946	0.1448	14.3062%		135.3		101%	
92	139	812	0.1712	16.5497%		134.4		103%	
93	118	681	0.1733	18.5179%		126.1		94%	
94	122	563	0.2167	20.5396%		115.6		106%	
95	104	426	0.2441	23.1217%		98.5		106%	
96	61	300	0.2033	25.2155%		75.6		81%	
97	70	232	0.3017	27.2485%		63.2		111%	
98	51	158	0.3228	29.9756%		47.4		108%	
99	26	99	0.2626	31.9397%		31.6		82%	
Subtotal	4,831	190,904				4,709.9		103%	
Other Ages	43	143	0.3007	35.0085%		50.1		86%	
Total	4,874	191,047				4,759.9		102%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF SERVICE RETIREES**  
**WOMEN**

**TABLE 1B**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41	0	2	0.0000	0.0607%		0.0		0%	
42	0	2	0.0000	0.0658%		0.0		0%	
43	0	5	0.0000	0.0717%		0.0		0%	
44	0	2	0.0000	0.0783%		0.0		0%	
45	0	2	0.0000	0.0842%		0.0		0%	
46	0	2	0.0000	0.0907%		0.0		0%	
47	0	2	0.0000	0.0977%		0.0		0%	
48	0	5	0.0000	0.1071%		0.0		0%	
49	0	7	0.0000	0.1167%		0.0		0%	
50	0	12	0.0000	0.1292%		0.0		0%	
51	0	27	0.0000	0.1426%		0.0		0%	
52	0	53	0.0000	0.1603%		0.1		0%	
53	0	85	0.0000	0.1800%		0.2		0%	
54	0	177	0.0000	0.1998%		0.4		0%	
55	3	637	0.0047	0.2176%		1.4		216%	
56	24	4,229	0.0057	0.2400%		10.1		236%	
57	32	6,895	0.0046	0.2629%		18.1		177%	
58	34	9,072	0.0037	0.2923%		26.5		128%	
59	49	10,975	0.0045	0.3313%		36.4		135%	
60	60	12,452	0.0048	0.3722%		46.3		129%	
61	76	13,600	0.0056	0.4154%		56.5		135%	
62	84	14,174	0.0059	0.4513%		64.0		131%	
63	105	15,217	0.0069	0.4875%		74.2		142%	
64	99	15,121	0.0065	0.5477%		82.8		120%	
65	84	14,912	0.0056	0.5921%		88.3		95%	
66	114	14,998	0.0076	0.6627%		99.4		115%	
67	105	14,996	0.0070	0.7359%		110.4		95%	
68	105	14,407	0.0073	0.8360%		120.4		87%	
69	128	13,834	0.0093	0.8911%		123.3		104%	
70	131	13,439	0.0097	0.9723%		130.7		100%	
71	152	13,163	0.0115	1.0643%		140.1		108%	
72	180	12,863	0.0140	1.1776%		151.5		119%	
73	177	12,507	0.0142	1.2630%		158.0		112%	
74	200	12,389	0.0161	1.3704%		169.8		118%	
75	215	12,053	0.0178	1.4425%		173.9		124%	
76	219	11,762	0.0186	1.6514%		194.2		113%	
77	197	11,357	0.0173	1.9002%		215.8		91%	
78	247	11,010	0.0224	2.1122%		232.6		106%	
79	291	10,552	0.0276	2.3209%		244.9		119%	
80	292	9,992	0.0292	2.5246%		252.3		116%	
81	309	9,399	0.0329	3.0055%		282.5		109%	
82	312	8,776	0.0356	3.4326%		301.2		104%	
83	347	8,159	0.0425	3.7991%		310.0		112%	
84	324	7,398	0.0438	4.4263%		327.5		99%	
85	355	6,775	0.0524	5.0785%		344.1		103%	
86	383	6,156	0.0622	5.6361%		347.0		110%	
87	427	5,565	0.0767	6.3260%		352.0		121%	
88	417	4,838	0.0862	6.8955%		333.6		125%	
89	360	4,229	0.0851	7.8204%		330.7		109%	
90	396	3,811	0.1039	8.9495%		341.1		116%	
91	436	3,451	0.1263	10.1407%		350.0		125%	
92	415	3,077	0.1349	11.1587%		343.4		121%	
93	448	2,735	0.1638	12.4543%		340.6		132%	
94	355	2,331	0.1523	14.3062%		333.5		106%	
95	400	1,975	0.2025	16.5497%		326.9		122%	
96	324	1,536	0.2109	18.5179%		284.4		114%	
97	254	1,167	0.2177	20.5396%		239.7		106%	
98	203	864	0.2350	22.7737%		196.8		103%	
99	172	646	0.2663	23.1685%		149.7		115%	
Subtotal	10,040	389,877				8,856.8		113%	
Other Ages	348	1,061	0.3280	24.7065%		262.1		133%	
Total	10,388	390,938				9,119.0		114%	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF SERVICE RETIREES**  
**MEN**

**TABLE 1A GROUPED**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
				41-44	0	3	0.0000	0.11%	
45-49	0	6	0.0000	0.15%		0.0		0%	
50-54	0	182	0.0000	0.25%		0.5		0%	
55-59	111	21,248	0.0052	0.40%		86.0		129%	
60-64	318	44,330	0.0072	0.66%		291.6		109%	
65-69	363	36,216	0.0100	1.13%		410.6		88%	
70-74	481	30,306	0.0159	1.75%		530.7		91%	
75-79	774	25,819	0.0300	2.78%		718.7		108%	
80-84	938	18,093	0.0518	4.92%		890.9		105%	
85-89	846	9,335	0.0906	8.68%		810.0		104%	
90-94	688	4,151	0.1657	15.77%		654.6		105%	
95-99	312	1,215	0.2568	26.04%		316.3		99%	
Other Ages	43	143	0.3007	35.01%		50.1		86%	
Total	4,874	191,047		2.49%		4,759.9		102%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF SERVICE RETIREES**  
**WOMEN**

**TABLE 1B GROUPED**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41-44	0	11	0.0000	0.07%		0.0		0%	
45-49	0	18	0.0000	0.11%		0.0		0%	
50-54	0	354	0.0000	0.18%		0.6		0%	
55-59	142	31,808	0.0045	0.29%		92.5		153%	
60-64	424	70,564	0.0060	0.46%		323.8		131%	
65-69	536	73,147	0.0073	0.74%		541.8		99%	
70-74	840	64,361	0.0131	1.17%		750.0		112%	
75-79	1,169	56,734	0.0206	1.87%		1,061.4		110%	
80-84	1,584	43,724	0.0362	3.37%		1,473.4		108%	
85-89	1,942	27,563	0.0705	6.19%		1,707.4		114%	
90-94	2,050	15,405	0.1331	11.09%		1,708.5		120%	
95-99	1,353	6,188	0.2186	19.35%		1,197.4		113%	
Other Ages	348	1,061	0.3280	24.71%		262.1		133%	
Total	10,388	390,938		2.33%		9,119.0		114%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF SERVICE RETIREES**  
**MEN AND WOMEN**

Plan Year Ending June 30, (1)	TABLE 1C Life Years Exposed (2)	10-YEAR PERIOD ENDING 6/30/2011				
		Actual Deaths (3)	Expected Deaths (4)	Actual/ Expected (5)	Mortality Rate	
					Actual (3) / (2) (6)	Expected (4) / (2) (7)
2002	46,997	1,628	1,199.7	136%	3.46%	2.55%
2003	49,177	1,310	1,220.5	107%	2.66%	2.48%
2004	52,681	1,539	1,275.8	121%	2.92%	2.42%
2005	57,127	1,547	1,319.2	117%	2.71%	2.31%
2006	59,397	1,457	1,363.2	107%	2.45%	2.30%
2007	61,317	1,759	1,415.5	124%	2.87%	2.31%
2008	62,095	1,348	1,445.7	93%	2.17%	2.33%
2009	63,289	1,446	1,494.9	97%	2.28%	2.36%
2010	64,243	1,598	1,528.5	105%	2.49%	2.38%
2011	65,662	1,630	1,615.7	101%	2.48%	2.46%
Total	581,985	15,262	13,878.9	110%	2.62%	2.38%

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF DISABILITY RETIREES**  
**MEN**

TABLE 2A

2-YEAR PERIOD ENDING 6/30/2011

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41	0	4	0.0000	1.3340%		0.1		0%	
42	0	2	0.0000	1.3424%		0.0		0%	
43	0	2	0.0000	1.3510%		0.0		0%	
44	0	5	0.0000	1.3598%		0.1		0%	
45	0	6	0.0000	1.3688%		0.1		0%	
46	0	2	0.0000	1.3780%		0.0		0%	
47	0	5	0.0000	1.3874%		0.1		0%	
48	0	12	0.0000	1.3970%		0.2		0%	
49	0	12	0.0000	1.4068%		0.2		0%	
50	0	14	0.0000	1.4168%		0.2		0%	
51	0	15	0.0000	1.4270%		0.2		0%	
52	1	20	0.0500	1.4374%		0.3		348%	
53	0	22	0.0000	1.4480%		0.3		0%	
54	0	20	0.0000	1.5165%		0.3		0%	
55	1	30	0.0333	1.6168%		0.5		206%	
56	0	33	0.0000	1.7236%		0.6		0%	
57	0	38	0.0000	1.8101%		0.7		0%	
58	0	39	0.0000	1.8733%		0.7		0%	
59	2	42	0.0476	1.9108%		0.8		249%	
60	0	62	0.0000	1.9511%		1.2		0%	
61	2	75	0.0267	2.0253%		1.5		132%	
62	1	89	0.0112	2.0738%		1.8		54%	
63	4	101	0.0396	2.1601%		2.2		183%	
64	0	68	0.0000	2.2213%		1.5		0%	
65	0	57	0.0000	2.2907%		1.3		0%	
66	1	67	0.0149	2.3866%		1.6		63%	
67	0	66	0.0000	2.4580%		1.6		0%	
68	1	47	0.0213	2.5029%		1.2		85%	
69	1	36	0.0278	2.5974%		0.9		107%	
70	4	32	0.1250	2.6651%		0.9		469%	
71	1	26	0.0385	2.7452%		0.7		140%	
72	0	29	0.0000	2.8812%		0.8		0%	
73	2	29	0.0690	2.9885%		0.9		231%	
74	0	22	0.0000	3.1561%		0.7		0%	
75	1	18	0.0556	3.3423%		0.6		166%	
76	1	18	0.0556	3.5471%		0.6		157%	
77	0	16	0.0000	3.8879%		0.6		0%	
78	2	17	0.1176	4.2037%		0.7		280%	
79	1	13	0.0769	4.5497%		0.6		169%	
80	1	12	0.0833	5.0785%		0.6		164%	
81	1	15	0.0667	5.6361%		0.8		118%	
82	1	12	0.0833	6.3260%		0.8		132%	
83	1	12	0.0833	6.8955%		0.8		121%	
84	2	13	0.1538	7.8204%		1.0		197%	
85	0	9	0.0000	8.9495%		0.8		0%	
86	1	9	0.1111	10.1407%		0.9		110%	
87	0	7	0.0000	11.1587%		0.8		0%	
88	1	3	0.3333	12.4543%		0.4		268%	
89	0	7	0.0000	14.3062%		1.0		0%	
90	1	10	0.1000	16.5497%		1.7		60%	
91	2	8	0.2500	18.5179%		1.5		135%	
92	4	7	0.5714	20.5396%		1.4		278%	
93	0	2	0.0000	23.1217%		0.5		0%	
94	0	2	0.0000	25.2155%		0.5		0%	
95	1	2	0.5000	27.2485%		0.5		183%	
96	1	5	0.2000	29.9756%		1.5		67%	
97	1	6	0.1667	31.9397%		1.9		52%	
98	1	1	1.0000	33.6045%		0.3		298%	
99	0	0	N/A	35.8628%		0		0%	
Subtotal	45	1,353				45.1		100%	
Other Ages	0	0	N/A	0.0000%		0		0%	
Total	45	1,353				45.1		100%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF DISABILITY RETIREES**  
**WOMEN**

TABLE 2B

2-YEAR PERIOD ENDING 6/30/2011

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41	0	7	0.0000	1.3136%		0.1		0%	
42	2	8	0.2500	1.3220%		0.1		1891%	
43	0	11	0.0000	1.3306%		0.1		0%	
44	1	12	0.0833	1.3394%		0.2		622%	
45	0	15	0.0000	1.3484%		0.2		0%	
46	0	24	0.0000	1.3576%		0.3		0%	
47	1	27	0.0370	1.3670%		0.4		271%	
48	0	34	0.0000	1.3766%		0.5		0%	
49	0	40	0.0000	1.3864%		0.6		0%	
50	0	42	0.0000	1.3964%		0.6		0%	
51	0	61	0.0000	1.4066%		0.9		0%	
52	1	71	0.0141	1.4170%		1.0		99%	
53	1	74	0.0135	1.4276%		1.1		95%	
54	0	87	0.0000	1.4384%		1.3		0%	
55	1	104	0.0096	1.4494%		1.5		66%	
56	0	104	0.0000	1.4606%		1.5		0%	
57	2	127	0.0157	1.5165%		1.9		104%	
58	3	165	0.0182	1.6168%		2.7		112%	
59	6	188	0.0319	1.6539%		3.1		193%	
60	4	181	0.0221	1.6659%		3.0		133%	
61	2	196	0.0102	1.6781%		3.3		61%	
62	4	216	0.0185	1.6905%		3.7		110%	
63	3	190	0.0158	1.7031%		3.2		93%	
64	9	174	0.0517	1.7159%		3.0		301%	
65	1	164	0.0061	1.7289%		2.8		35%	
66	5	152	0.0329	1.7421%		2.6		189%	
67	3	154	0.0195	1.7555%		2.7		111%	
68	2	132	0.0152	1.7691%		2.3		86%	
69	2	105	0.0190	1.7918%		1.9		106%	
70	4	92	0.0435	1.9096%		1.8		228%	
71	2	79	0.0253	2.0068%		1.6		126%	
72	4	81	0.0494	2.1666%		1.8		228%	
73	1	69	0.0145	2.3001%		1.6		63%	
74	1	54	0.0185	2.5011%		1.4		74%	
75	0	59	0.0000	2.6669%		1.6		0%	
76	2	55	0.0364	2.8784%		1.6		126%	
77	3	50	0.0600	3.1561%		1.6		190%	
78	0	51	0.0000	3.3423%		1.7		0%	
79	3	56	0.0536	3.5471%		2.0		151%	
80	4	43	0.0930	3.8879%		1.7		239%	
81	2	30	0.0667	4.2037%		1.3		159%	
82	2	31	0.0645	4.5497%		1.4		142%	
83	3	37	0.0811	5.0785%		1.9		160%	
84	2	34	0.0588	5.6361%		1.9		104%	
85	1	33	0.0303	6.3260%		2.1		48%	
86	1	34	0.0294	6.8955%		2.3		43%	
87	4	28	0.1429	7.8204%		2.2		183%	
88	4	27	0.1481	8.9495%		2.4		166%	
89	5	28	0.1786	10.1407%		2.8		176%	
90	2	32	0.0625	11.1587%		3.6		56%	
91	3	36	0.0833	12.4543%		4.5		67%	
92	5	33	0.1515	14.1002%		4.7		107%	
93	4	24	0.1667	15.6608%		3.8		106%	
94	1	19	0.0526	17.1161%		3.3		31%	
95	2	12	0.1667	18.5008%		2.2		90%	
96	2	10	0.2000	20.1666%		2.0		99%	
97	3	14	0.2143	21.9471%		3.1		98%	
98	3	7	0.4286	22.7737%		1.6		188%	
99	1	7	0.1429	23.1685%		1.6		62%	
Subtotal	127	4,030				113.2		112%	
Other Ages	7	24	0.2917	25.8582%		6.2		113%	
Total	134	4,054				119.4		112%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF DISABILITY RETIREES**  
**MEN**

**TABLE 2A GROUPED**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7) (7)	Proposed (8) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41-44	0	13	0.0000	1.35%		0.2		0%	
45-49	0	37	0.0000	1.39%		0.5		0%	
50-54	1	91	0.0110	1.45%		1.3		76%	
55-59	3	182	0.0165	1.80%		3.3		92%	
60-64	7	395	0.0177	2.09%		8.3		85%	
65-69	3	273	0.0110	2.43%		6.6		45%	
70-74	7	138	0.0507	2.87%		4.0		177%	
75-79	5	82	0.0610	3.86%		3.2		158%	
80-84	6	64	0.0938	6.34%		4.1		148%	
85-89	2	35	0.0571	11.07%		3.9		52%	
90-94	7	29	0.2414	19.11%		5.5		126%	
95-99	4	14	0.2857	30.69%		4.3		93%	
Other Ages	0	0	N/A			0		0%	
<b>Total</b>	<b>45</b>	<b>1,353</b>				<b>45.1</b>		<b>100%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF DISABILITY RETIREES**  
**WOMEN**

**TABLE 2B GROUPED**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7) (7)	Proposed (8) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41-44	3	38	0.0789	1.33%		0.5		594%	
45-49	1	140	0.0071	1.37%		1.9		52%	
50-54	2	335	0.0060	1.42%		4.8		42%	
55-59	12	688	0.0174	1.56%		10.7		112%	
60-64	22	957	0.0230	1.69%		16.2		136%	
65-69	13	707	0.0184	1.75%		12.4		105%	
70-74	12	375	0.0320	2.14%		8.0		149%	
75-79	8	271	0.0295	3.11%		8.4		95%	
80-84	13	175	0.0743	4.65%		8.1		160%	
85-89	15	150	0.1000	7.92%		11.9		126%	
90-94	15	144	0.1042	13.69%		19.7		76%	
95-99	11	50	0.2200	21.05%		10.5		105%	
Other Ages	7	24	0.2917	25.86%		6.2		113%	
Total	134	4,054				119.4		112%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF DISABILITY RETIREES**  
**MEN**

TABLE 2A

10-YEAR PERIOD ENDING 6/30/2011

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41	1	11	0.0909	1.3340%		0.1		681%	
42	0	10	0.0000	1.3424%		0.1		0%	
43	0	20	0.0000	1.3510%		0.3		0%	
44	1	24	0.0417	1.3598%		0.3		306%	
45	0	30	0.0000	1.3688%		0.4		0%	
46	1	32	0.0313	1.3780%		0.4		227%	
47	1	38	0.0263	1.3874%		0.5		190%	
48	2	51	0.0392	1.3970%		0.7		281%	
49	2	57	0.0351	1.4068%		0.8		249%	
50	4	72	0.0556	1.4168%		1.0		392%	
51	2	80	0.0250	1.4270%		1.1		175%	
52	1	106	0.0094	1.4374%		1.5		66%	
53	2	150	0.0133	1.4480%		2.2		92%	
54	3	198	0.0152	1.5165%		3.0		100%	
55	4	250	0.0160	1.6168%		4.0		99%	
56	9	276	0.0326	1.7236%		4.8		189%	
57	6	305	0.0197	1.8101%		5.5		109%	
58	7	320	0.0219	1.8733%		6.0		117%	
59	14	331	0.0423	1.9108%		6.3		221%	
60	6	325	0.0185	1.9511%		6.3		95%	
61	11	327	0.0336	2.0253%		6.6		166%	
62	5	299	0.0167	2.0738%		6.2		81%	
63	6	280	0.0214	2.1601%		6.0		99%	
64	3	235	0.0128	2.2213%		5.2		57%	
65	7	213	0.0329	2.2907%		4.9		143%	
66	3	197	0.0152	2.3866%		4.7		64%	
67	1	176	0.0057	2.4580%		4.3		23%	
68	4	151	0.0265	2.5029%		3.8		106%	
69	3	130	0.0231	2.5974%		3.4		89%	
70	8	131	0.0611	2.6651%		3.5		229%	
71	2	111	0.0180	2.7452%		3.0		66%	
72	3	115	0.0261	2.8812%		3.3		91%	
73	4	110	0.0364	2.9885%		3.3		122%	
74	5	103	0.0485	3.1561%		3.3		154%	
75	4	98	0.0408	3.3423%		3.3		122%	
76	5	92	0.0543	3.5471%		3.3		153%	
77	5	85	0.0588	3.8879%		3.3		151%	
78	7	80	0.0875	4.2037%		3.4		208%	
79	5	75	0.0667	4.5497%		3.4		147%	
80	7	68	0.1029	5.0785%		3.5		203%	
81	4	67	0.0597	5.6361%		3.8		106%	
82	7	67	0.1045	6.3260%		4.2		165%	
83	3	66	0.0455	6.8955%		4.6		66%	
84	6	70	0.0857	7.8204%		5.5		110%	
85	5	64	0.0781	8.9495%		5.7		87%	
86	5	57	0.0877	10.1407%		5.8		87%	
87	4	54	0.0741	11.1587%		6.0		66%	
88	11	60	0.1833	12.4543%		7.5		147%	
89	8	55	0.1455	14.3062%		7.9		102%	
90	10	51	0.1961	16.5497%		8.4		118%	
91	8	37	0.2162	18.5179%		6.9		117%	
92	10	29	0.3448	20.5396%		6.0		168%	
93	1	18	0.0556	23.1217%		4.2		24%	
94	4	15	0.2667	25.2155%		3.8		106%	
95	2	13	0.1538	27.2485%		3.5		56%	
96	2	10	0.2000	29.9756%		3.0		67%	
97	1	10	0.1000	31.9397%		3.2		31%	
98	2	6	0.3333	33.6045%		2.0		99%	
99	3	5	0.6000	35.8628%		1.8		167%	
Subtotal	260	6,516				220.9		118%	
Other Ages	2	24	0.0833	3.1050%		0.7		268%	
Total	262	6,540				221.6		118%	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF DISABILITY RETIREES**  
**WOMEN**

**TABLE 2B**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41	0	42	0.0000	1.3136%		0.6		0%	
42	2	49	0.0408	1.3220%		0.6		309%	
43	1	63	0.0159	1.3306%		0.8		119%	
44	2	71	0.0282	1.3394%		1.0		210%	
45	0	86	0.0000	1.3484%		1.2		0%	
46	1	114	0.0088	1.3576%		1.5		65%	
47	3	142	0.0211	1.3670%		1.9		155%	
48	3	164	0.0183	1.3766%		2.3		133%	
49	7	190	0.0368	1.3864%		2.6		266%	
50	3	224	0.0134	1.3964%		3.1		96%	
51	8	272	0.0294	1.4066%		3.8		209%	
52	7	330	0.0212	1.4170%		4.7		150%	
53	2	407	0.0049	1.4276%		5.8		34%	
54	7	507	0.0138	1.4384%		7.3		96%	
55	13	574	0.0226	1.4494%		8.3		156%	
56	11	633	0.0174	1.4606%		9.2		119%	
57	14	682	0.0205	1.5165%		10.3		135%	
58	18	743	0.0242	1.6168%		12.0		150%	
59	20	781	0.0256	1.6539%		12.9		155%	
60	17	769	0.0221	1.6659%		12.8		133%	
61	13	764	0.0170	1.6781%		12.8		101%	
62	17	741	0.0229	1.6905%		12.5		136%	
63	16	689	0.0232	1.7031%		11.7		136%	
64	18	642	0.0280	1.7159%		11.0		163%	
65	7	587	0.0119	1.7289%		10.1		69%	
66	10	529	0.0189	1.7421%		9.2		109%	
67	14	487	0.0287	1.7555%		8.5		164%	
68	12	435	0.0276	1.7691%		7.7		156%	
69	5	389	0.0129	1.7918%		7.0		72%	
70	16	363	0.0441	1.9096%		6.9		231%	
71	10	335	0.0299	2.0068%		6.7		149%	
72	7	307	0.0228	2.1666%		6.7		105%	
73	5	288	0.0174	2.3001%		6.6		75%	
74	8	266	0.0301	2.5011%		6.7		120%	
75	7	257	0.0272	2.6669%		6.9		102%	
76	8	242	0.0331	2.8784%		7.0		115%	
77	9	233	0.0386	3.1561%		7.4		122%	
78	5	224	0.0223	3.3423%		7.5		67%	
79	6	223	0.0269	3.5471%		7.9		76%	
80	12	223	0.0538	3.8879%		8.7		138%	
81	12	212	0.0566	4.2037%		8.9		135%	
82	10	214	0.0467	4.5497%		9.7		103%	
83	13	224	0.0580	5.0785%		11.4		114%	
84	13	228	0.0570	5.6361%		12.9		101%	
85	15	229	0.0655	6.3260%		14.5		104%	
86	18	238	0.0756	6.8955%		16.4		110%	
87	17	226	0.0752	7.8204%		17.7		96%	
88	24	223	0.1076	8.9495%		20.0		120%	
89	28	211	0.1327	10.1407%		21.4		131%	
90	29	193	0.1503	11.1587%		21.5		135%	
91	16	172	0.0930	12.4543%		21.4		75%	
92	24	160	0.1500	14.1002%		22.6		106%	
93	32	138	0.2319	15.6608%		21.6		148%	
94	21	113	0.1858	17.1161%		19.3		109%	
95	16	90	0.1778	18.5008%		16.7		96%	
96	15	70	0.2143	20.1666%		14.1		106%	
97	12	61	0.1967	21.9471%		13.4		90%	
98	17	47	0.3617	22.7737%		10.7		159%	
99	3	28	0.1071	23.1685%		6.5		46%	
Subtotal	679	18,144				573.0		118%	
Other Ages	20	177	0.1130	9.6069%		17.0		118%	
Total	699	18,321				590.0		118%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF DISABILITY RETIREES**  
**MEN**

**TABLE 2A GROUPED**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41-44	2	65	0.0308	1.35%		0.9		228%	
45-49	6	208	0.0288	1.39%		2.9		207%	
50-54	12	606	0.0198	1.46%		8.9		135%	
55-59	40	1,482	0.0270	1.80%		26.6		150%	
60-64	31	1,466	0.0211	2.08%		30.4		102%	
65-69	18	867	0.0208	2.43%		21.1		85%	
70-74	22	570	0.0386	2.88%		16.4		134%	
75-79	26	430	0.0605	3.86%		16.6		156%	
80-84	27	338	0.0799	6.36%		21.5		126%	
85-89	33	290	0.1138	11.34%		32.9		100%	
90-94	33	150	0.2200	19.46%		29.2		113%	
95-99	10	44	0.2273	30.78%		13.5		74%	
Other Ages	2	24	0.0833	3.10%		0.7		268%	
Total	262	6,540				221.6		118%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF DISABILITY RETIREES**  
**WOMEN**

**TABLE 2B GROUPED**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
41-44	5	225	0.0222	1.33%		3.0		167%	
45-49	14	696	0.0201	1.37%		9.5		147%	
50-54	27	1,740	0.0155	1.42%		24.7		109%	
55-59	76	3,413	0.0223	1.55%		52.8		144%	
60-64	81	3,605	0.0225	1.69%		60.9		133%	
65-69	48	2,427	0.0198	1.75%		42.6		113%	
70-74	46	1,559	0.0295	2.15%		33.6		137%	
75-79	35	1,179	0.0297	3.10%		36.6		96%	
80-84	60	1,101	0.0545	4.68%		51.5		116%	
85-89	102	1,127	0.0905	7.98%		89.9		113%	
90-94	122	776	0.1572	13.72%		106.5		115%	
95-99	63	296	0.2128	20.72%		61.3		103%	
Other Ages	20	177	0.1130	9.61%		17.0		118%	
Total	699	18,321				590.0		118%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MORTALITY EXPERIENCE OF DISABILITY RETIREES**  
**MEN AND WOMEN**

Plan Year Ending June 30, (1)	TABLE 2C Life Years Exposed (2)	10-YEAR PERIOD ENDING 6/30/2011				
		Actual Deaths (3)	Expected Deaths (4)	Actual/ Expected (5)	Mortality Rate	
					Actual (3) / (2) (6)	Expected (4) / (2) (7)
2002	2,252	117	81.4	144%	5.20%	3.62%
2003	2,264	96	80.5	119%	4.24%	3.56%
2004	2,284	94	79.8	118%	4.12%	3.49%
2005	2,355	97	80.8	120%	4.12%	3.43%
2006	2,479	98	81.0	121%	3.95%	3.27%
2007	2,552	120	80.8	149%	4.70%	3.16%
2008	2,600	82	80.7	102%	3.15%	3.10%
2009	2,633	78	82.2	95%	2.96%	3.12%
2010	2,753	89	82.6	108%	3.23%	3.00%
2011	2,689	90	82.0	110%	3.35%	3.05%
Total	24,861	961	811.7	118%	3.87%	3.26%

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**WITHDRAWAL EXPERIENCE OF ACTIVE MEMBERS**  
**MEN AND WOMEN**

**TABLE 3A**

**2-YEAR PERIOD ENDING 6/30/2011**

<u>Service</u>	<u>Actual</u> <u>Withdrawals</u>	<u>Total</u> <u>Exposed</u>	<u>Actual Rate</u> <u>(2) / (3)</u>	<u>Assumed Probability</u>		<u>Expected Withdrawals</u>		<u>Actual/ Expected</u>	
				<u>Current</u>	<u>Proposed</u>	<u>Current</u> <u>(3) x (5)</u>	<u>Proposed</u> <u>(3) x (6)</u>	<u>Current</u> <u>(2) / (7)</u>	<u>Proposed</u> <u>(2) / (8)</u>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	297	7,753	0.0383	9.00%		697.8		43%	
1	728	12,797	0.0569	8.00%		1,023.8		71%	
2	1,393	15,778	0.0883	7.00%		1,104.5		126%	
3	1,214	16,136	0.0752	6.00%		968.2		125%	
4	784	13,955	0.0562	5.00%		697.8		112%	
5	599	12,693	0.0472	4.00%		507.7		118%	
6	496	12,951	0.0383	3.50%		453.3		109%	
7	340	11,639	0.0292	3.05%		355.0		96%	
8	221	8,995	0.0246	2.65%		238.4		93%	
9	139	7,620	0.0182	2.30%		175.3		79%	
10	128	7,464	0.0171	2.00%		149.3		86%	
11	76	5,826	0.0130	1.75%		102.0		75%	
12	74	5,396	0.0137	1.55%		83.6		88%	
13	39	4,200	0.0093	1.40%		58.8		66%	
14	52	3,530	0.0147	1.30%		45.9		113%	
15	30	3,001	0.0100	1.25%		37.5		80%	
16	28	2,950	0.0095	1.20%		35.4		79%	
17	19	2,696	0.0070	1.15%		31.0		61%	
18	20	2,689	0.0074	1.10%		29.6		68%	
19	14	2,463	0.0057	1.05%		25.9		54%	
20	16	2,600	0.0062	1.00%		26.0		62%	
21	12	2,242	0.0054	0.90%		20.2		59%	
22	7	2,194	0.0032	0.80%		17.6		40%	
23	7	1,746	0.0040	0.70%		12.2		57%	
24	10	1,719	0.0058	0.60%		10.3		97%	
25	13	1,435	0.0091	0.50%		7.2		181%	
26	7	1,099	0.0064	0.50%		5.5		127%	
27	6	727	0.0083	0.50%		3.6		165%	
28	4	652	0.0061	0.50%		3.3		123%	
29	3	472	0.0064	0.50%		2.4		127%	
30	2	374	0.0053	0.50%		1.9		107%	
Subtotal	6,778	175,792	0.0386			6,930.5		98%	
31 or more	60	691	0.0868	0.50%		3.5		1737%	
Total	6,838	176,483	0.0387			6,934.0		99%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK  
WITHDRAWAL EXPERIENCE OF ACTIVE MEMBERS  
MEN AND WOMEN**

**TABLE 3A**

**10-YEAR PERIOD ENDING 6/30/2011**

Service (1)	Actual Withdrawals (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Withdrawals		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
0	462	11,155	0.0414	9.00%		1,004.0		46%	
1	7,216	75,683	0.0953	8.00%		6,054.6		119%	
2	10,831	116,226	0.0932	7.00%		8,135.8		133%	
3	6,574	79,635	0.0826	6.00%		4,778.1		138%	
4	4,316	70,785	0.0610	5.00%		3,539.3		122%	
5	2,796	52,021	0.0537	4.00%		2,080.8		134%	
6	2,179	47,082	0.0463	3.50%		1,647.9		132%	
7	1,446	38,012	0.0380	3.05%		1,159.4		125%	
8	1,086	33,589	0.0323	2.65%		890.1		122%	
9	710	27,003	0.0263	2.30%		621.1		114%	
10	660	26,910	0.0245	2.00%		538.2		123%	
11	485	22,310	0.0217	1.75%		390.4		124%	
12	469	22,305	0.0210	1.55%		345.7		136%	
13	292	18,638	0.0157	1.40%		260.9		112%	
14	316	19,347	0.0163	1.30%		251.5		126%	
15	233	16,144	0.0144	1.25%		201.8		115%	
16	222	17,618	0.0126	1.20%		211.4		105%	
17	179	14,821	0.0121	1.15%		170.4		105%	
18	138	15,374	0.0090	1.10%		169.1		82%	
19	124	12,885	0.0096	1.05%		135.3		92%	
20	112	13,469	0.0083	1.00%		134.7		83%	
21	86	11,137	0.0077	0.90%		100.2		86%	
22	65	11,728	0.0055	0.80%		93.8		69%	
23	34	7,846	0.0043	0.70%		54.9		62%	
24	42	7,584	0.0055	0.60%		45.5		92%	
25	35	5,859	0.0060	0.50%		29.3		119%	
26	34	5,630	0.0060	0.50%		28.2		121%	
27	17	4,370	0.0039	0.50%		21.9		78%	
28	19	3,718	0.0051	0.50%		18.6		102%	
29	15	2,570	0.0058	0.50%		12.9		117%	
30	12	1,913	0.0063	0.50%		9.6		125%	
Total	41,205	813,367	0.0507			33,135.3		124%	
31 or more	14	1,641	0.0085	0.50%		8.2		171%	
Total	41,219	815,008	0.0506			33,143.6		124%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**WITHDRAWAL EXPERIENCE OF ACTIVE MEMBERS**  
**MEN AND WOMEN**

Plan Year Ending June 30, (1)	TABLE 3B Life Years Exposed (2)	10-YEAR PERIOD ENDING 6/30/2011				
		Actual Withdrawals (3)	Expected Withdrawals (4)	Actual/ Expected (5)	Withdrawal Rate	
					Actual (3) / (2) (6)	Expected (4) / (2) (7)
2002	68,344	3,355	2,601.7	129%	4.91%	3.81%
2003	70,188	3,026	2,716.8	111%	4.31%	3.87%
2004	74,395	3,364	2,939.4	114%	4.52%	3.95%
2005	82,542	5,113	3,598.2	142%	6.19%	4.36%
2006	83,544	4,357	3,549.2	123%	5.22%	4.25%
2007	86,328	5,453	3,626.2	150%	6.32%	4.20%
2008	85,395	5,417	3,462.9	156%	6.34%	4.06%
2009	88,132	4,354	3,648.1	119%	4.94%	4.14%
2010	89,461	3,321	3,695.1	90%	3.71%	4.13%
2011	86,679	3,459	3,305.9	105%	3.99%	3.81%
Total	815,008	41,219	33,143.6	124%	5.06%	4.07%

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**TOTAL - MEN**

TABLE 4A

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	34	248	0.1371	26.37%		65.4		52%	
56	20	91	0.2198	25.82%		23.5		85%	
57	23	69	0.3333	26.38%		18.2		126%	
58	13	54	0.2407	27.04%		14.6		89%	
59	15	55	0.2727	28.36%		15.6		96%	
60	15	42	0.3571	27.86%		11.7		128%	
61	12	36	0.3333	26.11%		9.4		128%	
62	106	625	0.1696	30.22%		188.9		56%	
63	26	39	0.6667	20.77%		8.1		321%	
64	4	11	0.3636	20.00%		2.2		182%	
65	1	9	0.1111	30.00%		2.7		37%	
66	3	9	0.3333	20.00%		1.8		167%	
67	1	5	0.2000	20.00%		1.0		100%	
68	3	8	0.3750	20.00%		1.6		188%	
69	0	0	N/A	0.00%		-		0%	
70	1	4	0.2500	100.00%		4.0		25%	
Subtotal	277	1,305				368.7		75%	
71 or more	5	12	0.4167	100.00%		12.0		42%	
Total	282	1,317				380.7		74%	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**TOTAL - WOMEN**

**TABLE 4B**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	97	804	0.1206	27.00%		217.1		45%	
56	74	229	0.3231	27.73%		63.5		117%	
57	48	191	0.2513	27.70%		52.9		91%	
58	43	218	0.1972	27.57%		60.1		72%	
59	47	196	0.2398	27.91%		54.7		86%	
60	48	165	0.2909	27.76%		45.8		105%	
61	55	143	0.3846	27.06%		38.7		142%	
62	254	2,077	0.1223	30.20%		627.2		40%	
63	33	83	0.3976	20.60%		17.1		193%	
64	14	47	0.2979	20.00%		9.4		149%	
65	7	22	0.3182	30.00%		6.6		106%	
66	8	32	0.2500	20.00%		6.4		125%	
67	4	12	0.3333	20.00%		2.4		167%	
68	10	17	0.5882	20.00%		3.4		294%	
69	3	8	0.3750	20.00%		1.6		188%	
70	3	11	0.2727	100.00%		11.0		27%	
Subtotal	748	4,255				1,217.9		61%	
71 or more	4	13	0.3077	100.00%		13.0		31%	
Total	752	4,268				1,230.9		61%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**MEN - IMPROVED RETIREMENT BENEFIT**

**TABLE 4C**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	23	158	0.1456	30.00%		47.4		49%	
56	8	53	0.1509	30.00%		15.9		50%	
57	18	44	0.4091	30.00%		13.2		136%	
58	7	38	0.1842	30.00%		11.4		61%	
59	10	46	0.2174	30.00%		13.8		72%	
60	12	33	0.3636	30.00%		9.9		121%	
61	10	22	0.4545	30.00%		6.6		152%	
62	14	14	1.0000	40.00%		5.6		250%	
63	3	3	1.0000	30.00%		0.9		333%	
64	0	0	N/A	30.00%		-		0%	
65	0	0	N/A	40.00%		-		0%	
66	0	0	N/A	30.00%		-		0%	
67	0	0	N/A	30.00%		-		0%	
68	0	0	N/A	30.00%		-		0%	
69	0	0	N/A	30.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	105	411				124.7		84%	
71 or more	0	0	N/A	100.00%		-		0%	
Total	105	411				124.7		84%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**WOMEN - IMPROVED RETIREMENT BENEFIT**

**TABLE 4D**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	60	563	0.1066	30.00%		168.9		36%	
56	57	177	0.3220	30.00%		53.1		107%	
57	34	147	0.2313	30.00%		44.1		77%	
58	33	165	0.2000	30.00%		49.5		67%	
59	44	155	0.2839	30.00%		46.5		95%	
60	40	128	0.3125	30.00%		38.4		104%	
61	51	101	0.5050	30.00%		30.3		168%	
62	34	41	0.8293	40.00%		16.4		207%	
63	4	5	0.8000	30.00%		1.5		267%	
64	0	0	N/A	30.00%		-		0%	
65	0	0	N/A	40.00%		-		0%	
66	0	0	N/A	30.00%		-		0%	
67	0	0	N/A	30.00%		-		0%	
68	0	0	N/A	30.00%		-		0%	
69	0	0	N/A	30.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	357	1,482				448.7		80%	
71 or more	0	0	N/A	100.00%		-		0%	
Total	357	1,482				448.7		80%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**MEN - UNIMPROVED RETIREMENT BENEFIT**

**TABLE 4E**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	11	90	0.1222	20.00%		18.0		61%	
56	12	38	0.3158	20.00%		7.6		158%	
57	5	25	0.2000	20.00%		5.0		100%	
58	6	16	0.3750	20.00%		3.2		188%	
59	5	9	0.5556	20.00%		1.8		278%	
60	3	9	0.3333	20.00%		1.8		167%	
61	2	14	0.1429	20.00%		2.8		71%	
62	92	611	0.1506	30.00%		183.3		50%	
63	23	36	0.6389	20.00%		7.2		319%	
64	4	11	0.3636	20.00%		2.2		182%	
65	1	9	0.1111	30.00%		2.7		37%	
66	3	9	0.3333	20.00%		1.8		167%	
67	1	5	0.2000	20.00%		1.0		100%	
68	3	8	0.3750	20.00%		1.6		188%	
69	0	0	N/A	20.00%		-		0%	
70	1	4	0.2500	100.00%		4.0		25%	
Subtotal	172	894				244.0		70%	
71 or more	5	12	0.4167	100.00%		12.0		42%	
Total	177	906				256.0		69%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**WOMEN - UNIMPROVED RETIREMENT BENEFIT**

**TABLE 4F**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	37	241	0.1535	20.00%		48.2		77%	
56	17	52	0.3269	20.00%		10.4		163%	
57	14	44	0.3182	20.00%		8.8		159%	
58	10	53	0.1887	20.00%		10.6		94%	
59	3	41	0.0732	20.00%		8.2		37%	
60	8	37	0.2162	20.00%		7.4		108%	
61	4	42	0.0952	20.00%		8.4		48%	
62	220	2,036	0.1081	30.00%		610.8		36%	
63	29	78	0.3718	20.00%		15.6		186%	
64	14	47	0.2979	20.00%		9.4		149%	
65	7	22	0.3182	30.00%		6.6		106%	
66	8	32	0.2500	20.00%		6.4		125%	
67	4	12	0.3333	20.00%		2.4		167%	
68	10	17	0.5882	20.00%		3.4		294%	
69	3	8	0.3750	20.00%		1.6		188%	
70	3	11	0.2727	100.00%		11.0		27%	
Subtotal	391	2,773				769.2		51%	
71 or more	4	13	0.3077	100.00%		13.0		31%	
Total	395	2,786				782.2		50%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**TOTAL - MEN**

TABLE 4A

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	705	3,262	0.2161	20.96%		683.8		103%	
56	967	1,202	0.8045	20.77%		249.6		387%	
57	59	203	0.2906	24.04%		48.8		121%	
58	34	173	0.1965	23.82%		41.2		83%	
59	36	151	0.2384	24.30%		36.7		98%	
60	32	111	0.2883	23.87%		26.5		121%	
61	27	77	0.3506	23.25%		17.9		151%	
62	263	1,910	0.1377	30.07%		574.4		46%	
63	148	216	0.6852	20.14%		43.5		340%	
64	15	63	0.2381	20.00%		12.6		119%	
65	10	52	0.1923	30.00%		15.6		64%	
66	9	44	0.2045	20.00%		8.8		102%	
67	10	27	0.3704	20.00%		5.4		185%	
68	13	32	0.4063	20.00%		6.4		203%	
69	2	10	0.2000	20.00%		2.0		100%	
70	7	21	0.3333	100.00%		21.0		33%	
Subtotal	2,337	7,554				1,794.2		130%	
71 or more	15	41	0.3659	100.00%		41.0		37%	
Total	2,352	7,595				1,835.2		128%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**TOTAL - WOMEN**

**TABLE 4B**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	1,068	6,242	0.1711	21.78%		1,359.7		79%	
56	1,550	2,136	0.7257	21.54%		460.2		337%	
57	129	681	0.1894	24.21%		164.9		78%	
58	106	619	0.1712	24.51%		151.7		70%	
59	115	526	0.2186	24.33%		128.0		90%	
60	119	433	0.2748	23.72%		102.7		116%	
61	107	357	0.2997	23.17%		82.7		129%	
62	1,034	7,670	0.1348	30.05%		2,305.1		45%	
63	637	841	0.7574	20.07%		168.8		377%	
64	60	215	0.2791	20.09%		43.2		139%	
65	43	146	0.2945	30.00%		43.8		98%	
66	38	124	0.3065	20.00%		24.8		153%	
67	25	78	0.3205	20.00%		15.6		160%	
68	22	54	0.4074	20.00%		10.8		204%	
69	10	33	0.3030	20.00%		6.6		152%	
70	10	49	0.2041	100.00%		49.0		20%	
Subtotal	5,073	20,204				5,117.6		99%	
71 or more	20	52	0.3846	100.00%		52.0		38%	
Total	5,093	20,256				5,169.6		99%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**MEN - IMPROVED RETIREMENT BENEFIT**

**TABLE 4C**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	25	314	0.0796	30.00%		94.2		27%	
56	10	92	0.1087	30.00%		27.6		36%	
57	19	82	0.2317	30.00%		24.6		77%	
58	7	66	0.1061	30.00%		19.8		35%	
59	11	65	0.1692	30.00%		19.5		56%	
60	12	43	0.2791	30.00%		12.9		93%	
61	11	25	0.4400	30.00%		7.5		147%	
62	14	14	1.0000	40.00%		5.6		250%	
63	3	3	1.0000	30.00%		0.9		333%	
64	0	0	N/A	30.00%		-		0%	
65	0	0	N/A	40.00%		-		0%	
66	0	0	N/A	30.00%		-		0%	
67	0	0	N/A	30.00%		-		0%	
68	0	0	N/A	30.00%		-		0%	
69	0	0	N/A	30.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	112	704				212.6		53%	
71 or more	0	0	N/A	100.00%		-		0%	
Total	112	704				212.6		53%	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK  
RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY  
WOMEN - IMPROVED RETIREMENT BENEFIT**

**TABLE 4D**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	62	1,113	0.0557	30.00%		333.9		19%	
56	59	330	0.1788	30.00%		99.0		60%	
57	35	287	0.1220	30.00%		86.1		41%	
58	33	279	0.1183	30.00%		83.7		39%	
59	44	228	0.1930	30.00%		68.4		64%	
60	40	161	0.2484	30.00%		48.3		83%	
61	52	113	0.4602	30.00%		33.9		153%	
62	34	41	0.8293	40.00%		16.4		207%	
63	5	6	0.8333	30.00%		1.8		278%	
64	1	2	0.5000	30.00%		0.6		167%	
65	0	0	N/A	40.00%		-		0%	
66	0	0	N/A	30.00%		-		0%	
67	0	0	N/A	30.00%		-		0%	
68	0	0	N/A	30.00%		-		0%	
69	0	0	N/A	30.00%		-		0%	
70	0	2	0.0000	100.00%		2.0		0%	
Subtotal	365	2,562				774.1		47%	
71 or more	0	1	0.0000	100.00%		1.0		0%	
Total	365	2,563				775.1		47%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**MEN - UNIMPROVED RETIREMENT BENEFIT**

**TABLE 4E**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	680	2,948	0.2307	20.00%		589.6		115%	
56	957	1,110	0.8622	20.00%		222.0		431%	
57	40	121	0.3306	20.00%		24.2		165%	
58	27	107	0.2523	20.00%		21.4		126%	
59	25	86	0.2907	20.00%		17.2		145%	
60	20	68	0.2941	20.00%		13.6		147%	
61	16	52	0.3077	20.00%		10.4		154%	
62	249	1,896	0.1313	30.00%		568.8		44%	
63	145	213	0.6808	20.00%		42.6		340%	
64	15	63	0.2381	20.00%		12.6		119%	
65	10	52	0.1923	30.00%		15.6		64%	
66	9	44	0.2045	20.00%		8.8		102%	
67	10	27	0.3704	20.00%		5.4		185%	
68	13	32	0.4063	20.00%		6.4		203%	
69	2	10	0.2000	20.00%		2.0		100%	
70	7	21	0.3333	100.00%		21.0		33%	
Subtotal	2,225	6,850				1,581.6		141%	
71 or more	15	41	0.3659	100.00%		41.0		37%	
Total	2,240	6,891				1,622.6		138%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN FIRST YEAR OF ELIGIBILITY**  
**WOMEN - UNIMPROVED RETIREMENT BENEFIT**

**TABLE 4F**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	1,006	5,129	0.1961	20.00%		1,025.8		98%	
56	1,491	1,806	0.8256	20.00%		361.2		413%	
57	94	394	0.2386	20.00%		78.8		119%	
58	73	340	0.2147	20.00%		68.0		107%	
59	71	298	0.2383	20.00%		59.6		119%	
60	79	272	0.2904	20.00%		54.4		145%	
61	55	244	0.2254	20.00%		48.8		113%	
62	1,000	7,629	0.1311	30.00%		2,288.7		44%	
63	632	835	0.7569	20.00%		167.0		378%	
64	59	213	0.2770	20.00%		42.6		138%	
65	43	146	0.2945	30.00%		43.8		98%	
66	38	124	0.3065	20.00%		24.8		153%	
67	25	78	0.3205	20.00%		15.6		160%	
68	22	54	0.4074	20.00%		10.8		204%	
69	10	33	0.3030	20.00%		6.6		152%	
70	10	47	0.2128	100.00%		47.0		21%	
Subtotal	4,708	17,642				4,343.5		108%	
71 or more	20	51	0.3922	100.00%		51.0		39%	
Total	4,728	17,693				4,394.5		108%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**TOTAL - MEN**

TABLE 5A

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	52	215	0.2419	18.21%		39.2		133%	
57	12	82	0.1463	17.13%		14.1		85%	
58	16	62	0.2581	17.74%		11.0		145%	
59	6	49	0.1224	17.35%		8.5		71%	
60	10	47	0.2128	17.87%		8.4		119%	
61	6	24	0.2500	17.92%		4.3		140%	
62	5	15	0.3333	24.00%		3.6		139%	
63	80	494	0.1619	15.00%		74.1		108%	
64	9	22	0.4091	15.00%		3.3		273%	
65	2	12	0.1667	20.00%		2.4		83%	
66	3	15	0.2000	15.00%		2.3		133%	
67	3	12	0.2500	15.00%		1.8		167%	
68	1	9	0.1111	15.00%		1.4		74%	
69	1	2	0.5000	15.00%		0.3		333%	
70	2	2	1.0000	100.00%		2.0		100%	
Subtotal	208	1,062				176.5		118%	
71 or more	1	19	0.0526	100.00%		19.0		5%	
Total	209	1,081				195.5		107%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**TOTAL - WOMEN**

TABLE 5B

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	141	707	0.1994	18.47%		130.6		108%	
57	31	196	0.1582	18.57%		36.4		85%	
58	34	183	0.1858	18.33%		33.6		101%	
59	20	168	0.1190	18.57%		31.2		64%	
60	28	151	0.1854	18.28%		27.6		101%	
61	23	117	0.1966	18.25%		21.4		108%	
62	20	81	0.2469	24.57%		19.9		101%	
63	322	1,836	0.1754	15.02%		275.8		117%	
64	29	62	0.4677	15.08%		9.4		310%	
65	5	24	0.2083	20.00%		4.8		104%	
66	3	21	0.1429	15.00%		3.2		95%	
67	4	27	0.1481	15.00%		4.1		99%	
68	2	13	0.1538	15.00%		2.0		103%	
69	6	14	0.4286	15.00%		2.1		286%	
70	3	4	0.7500	100.00%		4.0		75%	
Subtotal	671	3,604				605.8		111%	
71 or more	7	14	0.5000	100.00%		14.0		50%	
Total	678	3,618				619.8		109%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**MEN - IMPROVED RETIREMENT BENEFIT**

TABLE 5C

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	39	138	0.2826	20.00%		27.6		141%	
57	5	35	0.1429	20.00%		7.0		71%	
58	5	34	0.1471	20.00%		6.8		74%	
59	1	23	0.0435	20.00%		4.6		22%	
60	6	27	0.2222	20.00%		5.4		111%	
61	3	14	0.2143	20.00%		2.8		107%	
62	3	6	0.5000	30.00%		1.8		167%	
63	0	0	N/A	20.00%		-		0%	
64	0	0	N/A	20.00%		-		0%	
65	0	0	N/A	30.00%		-		0%	
66	0	0	N/A	20.00%		-		0%	
67	0	0	N/A	20.00%		-		0%	
68	0	0	N/A	20.00%		-		0%	
69	0	0	N/A	20.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	62	277				56.0		111%	
71 or more	0	0	N/A	100.00%		-		0%	
Total	62	277				56.0		111%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**WOMEN - IMPROVED RETIREMENT BENEFIT**

TABLE 5D

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	92	491	0.1874	20.00%		98.2		94%	
57	22	140	0.1571	20.00%		28.0		79%	
58	23	122	0.1885	20.00%		24.4		94%	
59	16	120	0.1333	20.00%		24.0		67%	
60	15	99	0.1515	20.00%		19.8		76%	
61	16	76	0.2105	20.00%		15.2		105%	
62	19	37	0.5135	30.00%		11.1		171%	
63	7	8	0.8750	20.00%		1.6		438%	
64	1	1	1.0000	20.00%		0.2		500%	
65	0	0	N/A	30.00%		-		0%	
66	0	0	N/A	20.00%		-		0%	
67	0	0	N/A	20.00%		-		0%	
68	0	0	N/A	20.00%		-		0%	
69	0	0	N/A	20.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	211	1,094				222.5		95%	
71 or more	0	0	N/A	100.00%		-		0%	
Total	211	1,094				222.5		95%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**MEN - UNIMPROVED RETIREMENT BENEFIT**

TABLE 5E

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	13	77	0.1688	15.00%		11.6		113%	
57	7	47	0.1489	15.00%		7.1		99%	
58	11	28	0.3929	15.00%		4.2		262%	
59	5	26	0.1923	15.00%		3.9		128%	
60	4	20	0.2000	15.00%		3.0		133%	
61	3	10	0.3000	15.00%		1.5		200%	
62	2	9	0.2222	20.00%		1.8		111%	
63	80	494	0.1619	15.00%		74.1		108%	
64	9	22	0.4091	15.00%		3.3		273%	
65	2	12	0.1667	20.00%		2.4		83%	
66	3	15	0.2000	15.00%		2.3		133%	
67	3	12	0.2500	15.00%		1.8		167%	
68	1	9	0.1111	15.00%		1.4		74%	
69	1	2	0.5000	15.00%		0.3		333%	
70	2	2	1.0000	100.00%		2.0		100%	
Subtotal	146	785				120.5		121%	
71 or more	1	19	0.0526	100.00%		19.0		5%	
Total	147	804				139.5		105%	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**WOMEN - UNIMPROVED RETIREMENT BENEFIT**

TABLE 5F

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	49	216	0.2269	15.00%		32.4		151%	
57	9	56	0.1607	15.00%		8.4		107%	
58	11	61	0.1803	15.00%		9.2		120%	
59	4	48	0.0833	15.00%		7.2		56%	
60	13	52	0.2500	15.00%		7.8		167%	
61	7	41	0.1707	15.00%		6.2		114%	
62	1	44	0.0227	20.00%		8.8		11%	
63	315	1,828	0.1723	15.00%		274.2		115%	
64	28	61	0.4590	15.00%		9.2		306%	
65	5	24	0.2083	20.00%		4.8		104%	
66	3	21	0.1429	15.00%		3.2		95%	
67	4	27	0.1481	15.00%		4.1		99%	
68	2	13	0.1538	15.00%		2.0		103%	
69	6	14	0.4286	15.00%		2.1		286%	
70	3	4	0.7500	100.00%		4.0		75%	
Subtotal	460	2,510				383.3		120%	
71 or more	7	14	0.5000	100.00%		14.0		50%	
Total	467	2,524				397.3		118%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**TOTAL - MEN**

TABLE 5A

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	688	2,681	0.2566	15.44%		414.0		166%	
57	543	707	0.7680	15.47%		109.4		497%	
58	36	141	0.2553	17.06%		24.1		150%	
59	26	124	0.2097	16.53%		20.5		127%	
60	23	93	0.2473	16.88%		15.7		146%	
61	13	61	0.2131	16.56%		10.1		129%	
62	13	36	0.3611	21.67%		7.8		167%	
63	154	1,420	0.1085	15.00%		213.0		72%	
64	75	130	0.5769	15.00%		19.5		385%	
65	7	53	0.1321	20.00%		10.6		66%	
66	7	40	0.1750	15.00%		6.0		117%	
67	6	33	0.1818	15.00%		5.0		121%	
68	3	19	0.1579	15.00%		2.9		105%	
69	2	13	0.1538	15.00%		2.0		103%	
70	4	11	0.3636	100.00%		11.0		36%	
Subtotal	1,600	5,562				871.3		184%	
71 or more	4	47	0.0851	100.00%		47.0		9%	
Total	1,604	5,609				918.3		175%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**TOTAL - WOMEN**

TABLE 5B

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	1,113	5,147	0.2162	15.82%		814.5		137%	
57	727	1,256	0.5788	16.03%		201.4		361%	
58	96	551	0.1742	16.91%		93.2		103%	
59	82	461	0.1779	17.04%		78.6		104%	
60	85	393	0.2163	16.70%		65.7		129%	
61	78	288	0.2708	16.49%		47.5		164%	
62	81	224	0.3616	21.70%		48.6		167%	
63	751	5,923	0.1268	15.01%		888.9		84%	
64	352	525	0.6705	15.01%		78.8		447%	
65	24	137	0.1752	20.07%		27.5		87%	
66	31	137	0.2263	15.00%		20.6		151%	
67	18	93	0.1935	15.00%		14.0		129%	
68	18	61	0.2951	15.00%		9.2		197%	
69	11	30	0.3667	15.00%		4.5		244%	
70	7	17	0.4118	100.00%		17.0		41%	
Subtotal	3,474	15,243				2,409.7		144%	
71 or more	23	70	0.3286	100.00%		70.0		33%	
Total	3,497	15,313				2,479.7		141%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**MEN - IMPROVED RETIREMENT BENEFIT**

TABLE 5C

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	40	236	0.1695	20.00%		47.2		85%	
57	7	66	0.1061	20.00%		13.2		53%	
58	5	58	0.0862	20.00%		11.6		43%	
59	1	38	0.0263	20.00%		7.6		13%	
60	7	35	0.2000	20.00%		7.0		100%	
61	3	19	0.1579	20.00%		3.8		79%	
62	3	6	0.5000	30.00%		1.8		167%	
63	0	0	N/A	20.00%		-		0%	
64	0	0	N/A	20.00%		-		0%	
65	0	0	N/A	30.00%		-		0%	
66	0	0	N/A	20.00%		-		0%	
67	0	0	N/A	20.00%		-		0%	
68	0	0	N/A	20.00%		-		0%	
69	0	0	N/A	20.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	66	458				92.2		72%	
71 or more	0	0	N/A	100.00%		-		0%	
Total	66	458				92.2		72%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**WOMEN - IMPROVED RETIREMENT BENEFIT**

**TABLE 5D**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	92	849	0.1084	20.00%		169.8		54%	
57	25	259	0.0965	20.00%		51.8		48%	
58	23	211	0.1090	20.00%		42.2		55%	
59	16	188	0.0851	20.00%		37.6		43%	
60	17	134	0.1269	20.00%		26.8		63%	
61	18	86	0.2093	20.00%		17.2		105%	
62	20	38	0.5263	30.00%		11.4		175%	
63	7	8	0.8750	20.00%		1.6		438%	
64	1	1	1.0000	20.00%		0.2		500%	
65	0	1	0.0000	30.00%		0.3		0%	
66	0	0	N/A	20.00%		-		0%	
67	0	0	N/A	20.00%		-		0%	
68	0	0	N/A	20.00%		-		0%	
69	0	0	N/A	20.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	219	1,775				358.9		61%	
71 or more	0	3	0.0000	100.00%		3.0		0%	
Total	219	1,778				361.9		61%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**MEN - UNIMPROVED RETIREMENT BENEFIT**

TABLE 5E

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	648	2,445	0.2650	15.00%		366.8		177%	
57	536	641	0.8362	15.00%		96.2		557%	
58	31	83	0.3735	15.00%		12.5		249%	
59	25	86	0.2907	15.00%		12.9		194%	
60	16	58	0.2759	15.00%		8.7		184%	
61	10	42	0.2381	15.00%		6.3		159%	
62	10	30	0.3333	20.00%		6.0		167%	
63	154	1,420	0.1085	15.00%		213.0		72%	
64	75	130	0.5769	15.00%		19.5		385%	
65	7	53	0.1321	20.00%		10.6		66%	
66	7	40	0.1750	15.00%		6.0		117%	
67	6	33	0.1818	15.00%		5.0		121%	
68	3	19	0.1579	15.00%		2.9		105%	
69	2	13	0.1538	15.00%		2.0		103%	
70	4	11	0.3636	100.00%		11.0		36%	
Subtotal	1,534	5,104				779.1		197%	
71 or more	4	47	0.0851	100.00%		47.0		9%	
Total	1,538	5,151				826.1		186%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE IN SECOND YEAR OF ELIGIBILITY**  
**WOMEN - UNIMPROVED RETIREMENT BENEFIT**

TABLE 5F

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	1,021	4,298	0.2376	15.00%		644.7		158%	
57	702	997	0.7041	15.00%		149.6		469%	
58	73	340	0.2147	15.00%		51.0		143%	
59	66	273	0.2418	15.00%		41.0		161%	
60	68	259	0.2625	15.00%		38.9		175%	
61	60	202	0.2970	15.00%		30.3		198%	
62	61	186	0.3280	20.00%		37.2		164%	
63	744	5,915	0.1258	15.00%		887.3		84%	
64	351	524	0.6698	15.00%		78.6		447%	
65	24	136	0.1765	20.00%		27.2		88%	
66	31	137	0.2263	15.00%		20.6		151%	
67	18	93	0.1935	15.00%		14.0		129%	
68	18	61	0.2951	15.00%		9.2		197%	
69	11	30	0.3667	15.00%		4.5		244%	
70	7	17	0.4118	100.00%		17.0		41%	
Subtotal	3,255	13,468				2,050.8		159%	
71 or more	23	67	0.3433	100.00%		67.0		34%	
Total	3,278	13,535				2,117.8		155%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**TOTAL - MEN**

TABLE 6A

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	0	0	N/A	0.00%		-		0%	
57	16	157	0.1019	17.80%		28.0		57%	
58	33	190	0.1737	17.45%		33.2		100%	
59	33	191	0.1728	17.17%		32.8		101%	
60	32	167	0.1916	16.89%		28.2		113%	
61	36	172	0.2093	16.34%		28.1		128%	
62	43	171	0.2515	21.58%		36.9		117%	
63	48	156	0.3077	15.29%		23.9		201%	
64	71	445	0.1596	15.00%		66.8		106%	
65	71	351	0.2023	20.00%		70.2		101%	
66	53	275	0.1927	15.00%		41.3		128%	
67	60	232	0.2586	15.00%		34.8		172%	
68	47	171	0.2749	15.00%		25.7		183%	
69	24	136	0.1765	15.00%		20.4		118%	
70	24	121	0.1983	100.00%		121.0		20%	
Subtotal	591	2,935				591.0		100%	
71 or more	75	414	0.1812	100.00%		414.0		18%	
Total	666	3,349				1,005.0		66%	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**TOTAL - WOMEN**

**TABLE 6B**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	0	0	N/A	0.00%		-		0%	
57	61	537	0.1136	18.26%		98.1		62%	
58	92	593	0.1551	17.82%		105.7		87%	
59	104	643	0.1617	17.18%		110.5		94%	
60	143	674	0.2122	16.77%		113.0		127%	
61	140	578	0.2422	16.43%		95.0		147%	
62	165	496	0.3327	21.61%		107.2		154%	
63	136	359	0.3788	15.46%		55.5		245%	
64	299	1,547	0.1933	15.02%		232.3		129%	
65	223	1,127	0.1979	20.01%		225.5		99%	
66	210	879	0.2389	15.01%		131.9		159%	
67	227	742	0.3059	15.01%		111.4		204%	
68	131	568	0.2306	15.01%		85.3		154%	
69	75	385	0.1948	15.00%		57.8		130%	
70	87	330	0.2636	100.00%		330.0		26%	
Subtotal	2,093	9,458				1,858.9		113%	
71 or more	260	1,086	0.2394	100.00%		1,086.0		24%	
Total	2,353	10,544				2,944.9		80%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**MEN - IMPROVED RETIREMENT BENEFIT**

**TABLE 6C**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	0	0	N/A	0.00%		-		0%	
57	11	88	0.1250	20.00%		17.6		63%	
58	22	93	0.2366	20.00%		18.6		118%	
59	12	83	0.1446	20.00%		16.6		72%	
60	12	63	0.1905	20.00%		12.6		95%	
61	15	46	0.3261	20.00%		9.2		163%	
62	11	27	0.4074	30.00%		8.1		136%	
63	4	9	0.4444	20.00%		1.8		222%	
64	0	0	N/A	20.00%		-		0%	
65	0	0	N/A	30.00%		-		0%	
66	0	0	N/A	20.00%		-		0%	
67	0	0	N/A	20.00%		-		0%	
68	0	0	N/A	20.00%		-		0%	
69	0	0	N/A	20.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	87	409				84.5		103%	
71 or more	0	0	N/A	100.00%		-		0%	
Total	87	409				84.5		103%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**WOMEN - IMPROVED RETIREMENT BENEFIT**

**TABLE 6D**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	0	0	N/A	0.00%		-		0%	
57	41	350	0.1171	20.00%		70.0		59%	
58	54	335	0.1612	20.00%		67.0		81%	
59	56	280	0.2000	20.00%		56.0		100%	
60	44	238	0.1849	20.00%		47.6		92%	
61	38	165	0.2303	20.00%		33.0		115%	
62	28	80	0.3500	30.00%		24.0		117%	
63	21	33	0.6364	20.00%		6.6		318%	
64	4	5	0.8000	20.00%		1.0		400%	
65	0	1	0.0000	30.00%		0.3		0%	
66	0	1	0.0000	20.00%		0.2		0%	
67	0	1	0.0000	20.00%		0.2		0%	
68	1	1	1.0000	20.00%		0.2		500%	
69	0	0	N/A	20.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	287	1,490				306.1		94%	
71 or more	0	6	0.0000	100.00%		6.0		0%	
Total	287	1,496				312.1		92%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**MEN - UNIMPROVED RETIREMENT BENEFIT**

**TABLE 6E**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	0	0	N/A	0.00%		-		0%	
57	5	69	0.0725	15.00%		10.4		48%	
58	11	97	0.1134	15.00%		14.6		76%	
59	21	108	0.1944	15.00%		16.2		130%	
60	20	104	0.1923	15.00%		15.6		128%	
61	21	126	0.1667	15.00%		18.9		111%	
62	32	144	0.2222	20.00%		28.8		111%	
63	44	147	0.2993	15.00%		22.1		200%	
64	71	445	0.1596	15.00%		66.8		106%	
65	71	351	0.2023	20.00%		70.2		101%	
66	53	275	0.1927	15.00%		41.3		128%	
67	60	232	0.2586	15.00%		34.8		172%	
68	47	171	0.2749	15.00%		25.7		183%	
69	24	136	0.1765	15.00%		20.4		118%	
70	24	121	0.1983	100.00%		121.0		20%	
Subtotal	504	2,526				506.5		100%	
71 or more	75	414	0.1812	100.00%		414.0		18%	
Total	579	2,940				920.5		63%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**WOMEN - UNIMPROVED RETIREMENT BENEFIT**

**TABLE 6F**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	0	0	N/A	0.00%		-		0%	
57	20	187	0.1070	15.00%		28.1		71%	
58	38	258	0.1473	15.00%		38.7		98%	
59	48	363	0.1322	15.00%		54.5		88%	
60	99	436	0.2271	15.00%		65.4		151%	
61	102	413	0.2470	15.00%		62.0		165%	
62	137	416	0.3293	20.00%		83.2		165%	
63	115	326	0.3528	15.00%		48.9		235%	
64	295	1,542	0.1913	15.00%		231.3		128%	
65	223	1,126	0.1980	20.00%		225.2		99%	
66	210	878	0.2392	15.00%		131.7		159%	
67	227	741	0.3063	15.00%		111.2		204%	
68	130	567	0.2293	15.00%		85.1		153%	
69	75	385	0.1948	15.00%		57.8		130%	
70	87	330	0.2636	100.00%		330.0		26%	
Subtotal	1,806	7,968				1,552.8		116%	
71 or more	260	1,080	0.2407	100.00%		1,080.0		24%	
Total	2,066	9,048				2,632.8		78%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**TOTAL - MEN**

TABLE 6A

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	0	0	N/A	0.00%		-		0%	
57	468	2,048	0.2285	15.34%		314.1		149%	
58	771	2,147	0.3591	15.31%		328.7		235%	
59	645	1,820	0.3544	15.31%		278.6		232%	
60	475	1,408	0.3374	15.28%		215.2		221%	
61	359	1,159	0.3097	15.24%		176.6		203%	
62	255	863	0.2955	20.34%		175.5		145%	
63	217	704	0.3082	15.06%		106.1		205%	
64	225	1,577	0.1427	15.00%		236.6		95%	
65	262	1,323	0.1980	20.00%		264.6		99%	
66	232	1,061	0.2187	15.00%		159.2		146%	
67	187	859	0.2177	15.00%		128.9		145%	
68	137	690	0.1986	15.00%		103.5		132%	
69	105	532	0.1974	15.00%		79.8		132%	
70	105	443	0.2370	100.00%		443.0		24%	
Subtotal	4,443	16,634				3,010.2		148%	
71 or more	337	1,685	0.2000	100.00%		1,685.0		20%	
Total	4,780	18,319				4,695.2		102%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**TOTAL - WOMEN**

**TABLE 6B**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	1	1	1.0000	0.00%		-		0%	
57	656	3,850	0.1704	15.69%		604.2		109%	
58	1,155	4,134	0.2794	15.58%		644.1		179%	
59	1,022	3,661	0.2792	15.53%		568.5		180%	
60	926	3,112	0.2976	15.48%		481.7		192%	
61	781	2,570	0.3039	15.37%		395.0		198%	
62	729	2,042	0.3570	20.41%		416.8		175%	
63	595	1,588	0.3747	15.10%		239.9		248%	
64	885	5,630	0.1572	15.00%		844.8		105%	
65	971	4,591	0.2115	20.00%		918.3		106%	
66	999	3,699	0.2701	15.00%		555.0		180%	
67	716	2,844	0.2518	15.00%		426.7		168%	
68	484	2,226	0.2174	15.00%		334.0		145%	
69	385	1,722	0.2236	15.00%		258.3		149%	
70	347	1,389	0.2498	100.00%		1,389.0		25%	
Subtotal	10,652	43,059				8,076.0		132%	
71 or more	1,091	4,848	0.2250	100.00%		4,848.0		23%	
Total	11,743	47,907				12,924.0		91%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**MEN - IMPROVED RETIREMENT BENEFIT**

**TABLE 6C**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	0	0	N/A	0.00%		-		0%	
57	14	138	0.1014	20.00%		27.6		51%	
58	22	132	0.1667	20.00%		26.4		83%	
59	12	112	0.1071	20.00%		22.4		54%	
60	13	80	0.1625	20.00%		16.0		81%	
61	17	55	0.3091	20.00%		11.0		155%	
62	12	29	0.4138	30.00%		8.7		138%	
63	4	9	0.4444	20.00%		1.8		222%	
64	0	0	N/A	20.00%		-		0%	
65	0	0	N/A	30.00%		-		0%	
66	0	0	N/A	20.00%		-		0%	
67	0	0	N/A	20.00%		-		0%	
68	0	0	N/A	20.00%		-		0%	
69	0	0	N/A	20.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	94	555				113.9		83%	
71 or more	0	0	N/A	100.00%		-		0%	
Total	94	555				113.9		83%	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**WOMEN - IMPROVED RETIREMENT BENEFIT**

**TABLE 6D**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	0	0	N/A	0.00%		-		0%	
57	43	534	0.0805	20.00%		106.8		40%	
58	58	480	0.1208	20.00%		96.0		60%	
59	61	386	0.1580	20.00%		77.2		79%	
60	44	298	0.1477	20.00%		59.6		74%	
61	39	189	0.2063	20.00%		37.8		103%	
62	30	84	0.3571	30.00%		25.2		119%	
63	21	33	0.6364	20.00%		6.6		318%	
64	4	5	0.8000	20.00%		1.0		400%	
65	0	1	0.0000	30.00%		0.3		0%	
66	0	2	0.0000	20.00%		0.4		0%	
67	0	1	0.0000	20.00%		0.2		0%	
68	1	1	1.0000	20.00%		0.2		500%	
69	0	0	N/A	20.00%		-		0%	
70	0	0	N/A	100.00%		-		0%	
Subtotal	301	2,014				411.3		73%	
71 or more	0	14	0.0000	100.00%		14.0		0%	
Total	301	2,028				425.3		71%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**MEN - UNIMPROVED RETIREMENT BENEFIT**

**TABLE 6E**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	0	0	N/A	0.00%		-		0%	
57	454	1,910	0.2377	15.00%		286.5		158%	
58	749	2,015	0.3717	15.00%		302.3		248%	
59	633	1,708	0.3706	15.00%		256.2		247%	
60	462	1,328	0.3479	15.00%		199.2		232%	
61	342	1,104	0.3098	15.00%		165.6		207%	
62	243	834	0.2914	20.00%		166.8		146%	
63	213	695	0.3065	15.00%		104.3		204%	
64	225	1,577	0.1427	15.00%		236.6		95%	
65	262	1,323	0.1980	20.00%		264.6		99%	
66	232	1,061	0.2187	15.00%		159.2		146%	
67	187	859	0.2177	15.00%		128.9		145%	
68	137	690	0.1986	15.00%		103.5		132%	
69	105	532	0.1974	15.00%		79.8		132%	
70	105	443	0.2370	100.00%		443.0		24%	
Subtotal	4,349	16,079				2,896.3		150%	
71 or more	337	1,685	0.2000	100.00%		1,685.0		20%	
Total	4,686	17,764				4,581.3		102%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF THOSE AFTER SECOND YEAR OF ELIGIBILITY**  
**WOMEN - UNIMPROVED RETIREMENT BENEFIT**

**TABLE 6F**

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	0	0	N/A	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	0	0	N/A	0.00%		-		0%	
55	0	0	N/A	0.00%		-		0%	
56	1	1	1.0000	0.00%		-		0%	
57	613	3,316	0.1849	15.00%		497.4		123%	
58	1,097	3,654	0.3002	15.00%		548.1		200%	
59	961	3,275	0.2934	15.00%		491.3		196%	
60	882	2,814	0.3134	15.00%		422.1		209%	
61	742	2,381	0.3116	15.00%		357.2		208%	
62	699	1,958	0.3570	20.00%		391.6		178%	
63	574	1,555	0.3691	15.00%		233.3		246%	
64	881	5,625	0.1566	15.00%		843.8		104%	
65	971	4,590	0.2115	20.00%		918.0		106%	
66	999	3,697	0.2702	15.00%		554.6		180%	
67	716	2,843	0.2518	15.00%		426.5		168%	
68	483	2,225	0.2171	15.00%		333.8		145%	
69	385	1,722	0.2236	15.00%		258.3		149%	
70	347	1,389	0.2498	100.00%		1,389.0		25%	
Subtotal	10,351	41,045				7,664.7		135%	
71 or more	1,091	4,834	0.2257	100.00%		4,834.0		23%	
Total	11,442	45,879				12,498.7		92%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF ACTIVE MEMBERS WITH UNREDUCED SERVICE**  
**TOTAL - MEN AND WOMEN**

Plan Year Ending June 30, (1)	TABLE 6G Life Years Exposed (2)	10-YEAR PERIOD ENDING 6/30/2011				
		Actual Retirements (3)	Expected Retirements (4)	Actual/ Expected (5)	Retirement Rate	
					Actual (3) / (2) (6)	Expected (4) / (2) (7)
2002	13,226	3,505	2,963.3	118%	26.50%	22.41%
2003	13,283	4,104	2,986.3	137%	30.90%	22.48%
2004	12,560	4,690	2,873.9	163%	37.34%	22.88%
2005	10,775	3,064	2,559.8	120%	28.44%	23.76%
2006	10,077	2,571	2,443.0	105%	25.51%	24.24%
2007	9,783	2,156	2,437.0	88%	22.04%	24.91%
2008	10,196	2,159	2,589.4	83%	21.17%	25.40%
2009	10,922	1,880	2,819.0	67%	17.21%	25.81%
2010	11,691	2,164	3,055.9	71%	18.51%	26.14%
2011	12,486	2,776	3,294.2	84%	22.23%	26.38%
Total	114,999	29,069	28,021.8	104%	25.28%	24.37%

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF ACTIVE MEMBERS WITH REDUCED SERVICE**  
**TOTAL - MEN**

TABLE 7A

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	1	1	1.0000	0.00%		-		0%	
53	0	0	N/A	0.00%		-		0%	
54	1	1	1.0000	0.00%		-		0%	
55	29	849	0.0342	2.00%		17.0		171%	
56	53	833	0.0636	2.00%		16.7		318%	
57	38	805	0.0472	2.00%		16.1		236%	
58	43	847	0.0508	2.00%		16.9		254%	
59	49	781	0.0627	3.00%		23.4		209%	
60	52	668	0.0778	4.00%		26.7		195%	
61	47	645	0.0729	5.00%		32.3		146%	
62	6	6	1.0000	0.00%		-		0%	
63	3	3	1.0000	0.00%		-		0%	
64	0	0	N/A	0.00%		-		0%	
65	0	0	N/A	0.00%		-		0%	
66	1	1	1.0000	0.00%		-		0%	
67	1	1	1.0000	0.00%		-		0%	
68	1	1	1.0000	0.00%		-		0%	
69	0	0	N/A	0.00%		-		0%	
70	1	1	1.0000	0.00%		-		0%	
Subtotal	326	5,443				149.1		219%	
71 or more	0	0	N/A	0.00%		-		0%	
Total	326	5,443				149.1		219%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF ACTIVE MEMBERS WITH REDUCED SERVICE**  
**TOTAL - WOMEN**

TABLE 7B

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	0	N/A	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	0	N/A	0.00%		-		0%	
51	0	0	N/A	0.00%		-		0%	
52	1	1	1.0000	0.00%		-		0%	
53	2	2	1.0000	0.00%		-		0%	
54	10	10	1.0000	0.00%		-		0%	
55	98	3,423	0.0286	2.00%		68.5		143%	
56	114	3,407	0.0335	2.00%		68.1		167%	
57	110	3,345	0.0329	2.00%		66.9		164%	
58	157	3,231	0.0486	2.00%		64.6		243%	
59	164	2,942	0.0557	3.00%		88.3		186%	
60	194	2,643	0.0734	4.00%		105.7		184%	
61	151	2,332	0.0648	5.00%		116.6		130%	
62	19	19	1.0000	0.00%		-		0%	
63	5	5	1.0000	0.00%		-		0%	
64	2	2	1.0000	0.00%		-		0%	
65	1	1	1.0000	0.00%		-		0%	
66	0	0	N/A	0.00%		-		0%	
67	1	1	1.0000	0.00%		-		0%	
68	1	1	1.0000	0.00%		-		0%	
69	0	0	N/A	0.00%		-		0%	
70	0	0	N/A	0.00%		-		0%	
Subtotal	1,030	21,365				578.7		178%	
71 or more	0	0	N/A	0.00%		-		0%	
Total	1,030	21,365				578.7		178%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF ACTIVE MEMBERS WITH REDUCED SERVICE**  
**TOTAL - MEN**

TABLE 7A

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	1	0.0000	0.00%		-		0%	
48	0	0	N/A	0.00%		-		0%	
49	0	0	N/A	0.00%		-		0%	
50	0	18	0.0000	0.00%		-		0%	
51	1	125	0.0080	0.00%		-		0%	
52	6	385	0.0156	0.00%		-		0%	
53	10	1,011	0.0099	0.00%		-		0%	
54	75	2,002	0.0375	0.00%		-		0%	
55	273	4,392	0.0622	2.00%		87.8		311%	
56	208	3,900	0.0533	2.00%		78.0		267%	
57	167	3,542	0.0471	2.00%		70.8		236%	
58	163	3,172	0.0514	2.00%		63.4		257%	
59	162	2,812	0.0576	3.00%		84.4		192%	
60	156	2,466	0.0633	4.00%		98.6		158%	
61	151	2,178	0.0693	5.00%		108.9		139%	
62	6	6	1.0000	0.00%		-		0%	
63	3	3	1.0000	0.00%		-		0%	
64	0	0	N/A	0.00%		-		0%	
65	0	0	N/A	0.00%		-		0%	
66	1	1	1.0000	0.00%		-		0%	
67	1	1	1.0000	0.00%		-		0%	
68	1	1	1.0000	0.00%		-		0%	
69	0	0	N/A	0.00%		-		0%	
70	1	1	1.0000	0.00%		-		0%	
Subtotal	1,385	26,017				592.0		234%	
71 or more	1	1	1.0000	100.00%		1.0		100%	
Total	1,386	26,018				593.0		234%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF ACTIVE MEMBERS WITH REDUCED SERVICE**  
**TOTAL - WOMEN**

TABLE 7B

Age (1)	Actual Retirements (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Retirements		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
40	0	0	N/A	0.00%		-		0%	
41	0	0	N/A	0.00%		-		0%	
42	0	0	N/A	0.00%		-		0%	
43	0	0	N/A	0.00%		-		0%	
44	0	0	N/A	0.00%		-		0%	
45	0	0	N/A	0.00%		-		0%	
46	0	0	N/A	0.00%		-		0%	
47	0	1	0.0000	0.00%		-		0%	
48	0	1	0.0000	0.00%		-		0%	
49	0	9	0.0000	0.00%		-		0%	
50	1	64	0.0156	0.00%		-		0%	
51	3	275	0.0109	0.00%		-		0%	
52	13	718	0.0181	0.00%		-		0%	
53	43	1,556	0.0276	0.00%		-		0%	
54	111	2,640	0.0420	0.00%		-		0%	
55	566	16,200	0.0349	2.00%		324.0		175%	
56	550	14,952	0.0368	2.00%		299.0		184%	
57	530	13,687	0.0387	2.00%		273.7		194%	
58	531	12,457	0.0426	2.00%		249.1		213%	
59	553	11,308	0.0489	3.00%		339.2		163%	
60	610	10,090	0.0605	4.00%		403.6		151%	
61	560	8,867	0.0632	5.00%		443.4		126%	
62	19	19	1.0000	0.00%		-		0%	
63	5	5	1.0000	0.00%		-		0%	
64	2	2	1.0000	0.00%		-		0%	
65	1	1	1.0000	0.00%		-		0%	
66	0	0	N/A	0.00%		-		0%	
67	1	1	1.0000	0.00%		-		0%	
68	1	1	1.0000	0.00%		-		0%	
69	0	0	N/A	0.00%		-		0%	
70	0	0	N/A	0.00%		-		0%	
Subtotal	4,100	92,854				2,332.1		176%	
71 or more	0	0	N/A	100.00%		-		0%	
Total	4,100	92,854				2,332.1		176%	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**RETIREMENT EXPERIENCE OF ACTIVE MEMBERS WITH REDUCED SERVICE**  
**TOTAL - MEN AND WOMEN**

Plan Year Ending June 30,	TABLE 7C Life Years Exposed	10-YEAR PERIOD ENDING 6/30/2011				
		Actual Retirements	Expected Retirements	Actual/ Expected	Retirement Rate	
					Actual (3) / (2)	Expected (4) / (2)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2002	11,401	398	262.2	152%	3.49%	2.30%
2003	10,380	509	246.7	206%	4.90%	2.38%
2004	10,173	557	245.4	227%	5.48%	2.41%
2005	10,427	499	251.7	198%	4.79%	2.41%
2006	10,937	472	265.8	178%	4.32%	2.43%
2007	12,165	479	300.3	160%	3.94%	2.47%
2008	13,050	499	328.6	152%	3.82%	2.52%
2009	13,531	717	344.1	208%	5.30%	2.54%
2010	13,666	794	342.9	232%	5.81%	2.51%
2011	13,142	562	337.5	167%	4.28%	2.57%
Total	118,872	5,486	2,925.1	188%	4.62%	2.46%

The total exposures and actuals shown above include experience at all age ranges. I.e. ages under 40 .

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY MORTALITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

TABLE 8A

2-YEAR PERIOD ENDING 6/30/2011

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20	0	1	0.0000	0.04%		0.0		0%	
21	0	10	0.0000	0.04%		0.0		0%	
22	0	27	0.0000	0.04%		0.0		0%	
23	1	252	0.0040	0.04%		0.1		992%	
24	0	560	0.0000	0.04%		0.2		0%	
25	0	768	0.0000	0.04%		0.3		0%	
26	0	924	0.0000	0.04%		0.4		0%	
27	1	1,101	0.0009	0.04%		0.4		227%	
28	0	1,296	0.0000	0.04%		0.5		0%	
29	0	1,371	0.0000	0.04%		0.5		0%	
30	0	1,388	0.0000	0.04%		0.6		0%	
31	0	1,414	0.0000	0.04%		0.6		0%	
32	0	1,444	0.0000	0.04%		0.6		0%	
33	0	1,432	0.0000	0.05%		0.7		0%	
34	0	1,395	0.0000	0.05%		0.7		0%	
35	0	1,325	0.0000	0.05%		0.7		0%	
36	0	1,273	0.0000	0.05%		0.7		0%	
37	1	1,261	0.0008	0.05%		0.7		147%	
38	0	1,345	0.0000	0.06%		0.8		0%	
39	1	1,420	0.0007	0.06%		0.8		121%	
40	2	1,390	0.0014	0.06%		0.8		240%	
41	1	1,323	0.0008	0.07%		0.9		108%	
42	2	1,210	0.0017	0.08%		1.0		207%	
43	4	1,174	0.0034	0.09%		1.1		379%	
44	2	1,170	0.0017	0.10%		1.2		171%	
45	0	1,140	0.0000	0.11%		1.3		0%	
46	0	1,186	0.0000	0.12%		1.4		0%	
47	2	1,192	0.0017	0.13%		1.5		129%	
48	2	1,244	0.0016	0.14%		1.7		115%	
49	5	1,271	0.0039	0.15%		1.9		262%	
50	4	1,216	0.0033	0.16%		1.9		206%	
51	0	1,212	0.0000	0.17%		2.1		0%	
52	5	1,301	0.0038	0.18%		2.3		214%	
53	3	1,353	0.0022	0.19%		2.6		117%	
54	4	1,336	0.0030	0.20%		2.7		150%	
55	0	1,331	0.0000	0.21%		2.8		0%	
56	3	1,281	0.0023	0.22%		2.8		106%	
57	6	1,272	0.0047	0.23%		2.9		205%	
58	4	1,317	0.0030	0.24%		3.2		127%	
59	5	1,236	0.0040	0.25%		3.1		162%	
60	3	1,062	0.0028	0.26%		2.8		109%	
61	5	1,017	0.0049	0.27%		2.7		182%	
62	4	966	0.0041	0.28%		2.7		148%	
63	2	760	0.0026	0.29%		2.2		91%	
64	2	538	0.0037	0.30%		1.6		124%	
65	3	433	0.0069	0.32%		1.4		217%	
66	1	356	0.0028	0.35%		1.2		80%	
67	2	273	0.0073	0.39%		1.1		188%	
68	1	192	0.0052	0.44%		0.8		118%	
69	2	169	0.0118	0.50%		0.8		237%	
70	1	0	N/A	N/A		0		0%	
71	0	0	N/A	N/A		0		0%	
72	1	0	N/A	N/A		0		0%	
73	0	0	N/A	N/A		0		0%	
74	1	0	N/A	N/A		0		0%	
Other	4	0	N/A	N/A		0		0%	
Total	90	50,928				65.8		137%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK  
ORDINARY MORTALITY EXPERIENCE OF ACTIVE MEMBERS  
WOMEN**

**TABLE 8B**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20	0	5	0.0000	0.02%		0.0		0%	
21	0	19	0.0000	0.02%		0.0		0%	
22	0	77	0.0000	0.02%		0.0		0%	
23	0	889	0.0000	0.02%		0.2		0%	
24	0	2,057	0.0000	0.02%		0.4		0%	
25	1	3,095	0.0003	0.02%		0.6		162%	
26	0	3,947	0.0000	0.02%		0.8		0%	
27	3	4,618	0.0006	0.02%		0.9		325%	
28	2	5,012	0.0004	0.02%		1.0		200%	
29	2	5,045	0.0004	0.02%		1.0		198%	
30	0	5,161	0.0000	0.02%		1.0		0%	
31	0	4,984	0.0000	0.02%		1.0		0%	
32	0	4,703	0.0000	0.02%		1.0		0%	
33	0	4,721	0.0000	0.02%		1.1		0%	
34	1	4,517	0.0002	0.02%		1.1		92%	
35	0	4,252	0.0000	0.03%		1.1		0%	
36	0	4,017	0.0000	0.03%		1.0		0%	
37	2	3,982	0.0005	0.03%		1.1		186%	
38	1	4,094	0.0002	0.03%		1.1		87%	
39	3	4,205	0.0007	0.03%		1.2		246%	
40	0	4,136	0.0000	0.03%		1.2		0%	
41	1	3,820	0.0003	0.04%		1.3		75%	
42	1	3,686	0.0003	0.04%		1.5		68%	
43	3	3,702	0.0008	0.05%		1.7		180%	
44	2	3,700	0.0005	0.05%		1.9		108%	
45	1	3,835	0.0003	0.06%		2.1		47%	
46	1	3,986	0.0003	0.06%		2.4		42%	
47	2	3,993	0.0005	0.07%		2.6		77%	
48	2	4,085	0.0005	0.07%		2.9		70%	
49	6	4,173	0.0014	0.08%		3.1		192%	
50	3	4,178	0.0007	0.08%		3.3		90%	
51	3	4,280	0.0007	0.09%		3.6		82%	
52	6	4,588	0.0013	0.09%		4.1		145%	
53	6	4,849	0.0012	0.10%		4.6		130%	
54	10	4,899	0.0020	0.10%		4.9		204%	
55	6	4,913	0.0012	0.11%		5.2		116%	
56	8	4,787	0.0017	0.11%		5.3		152%	
57	7	4,784	0.0015	0.12%		5.5		127%	
58	5	4,704	0.0011	0.12%		5.6		89%	
59	6	4,389	0.0014	0.13%		5.5		109%	
60	9	3,993	0.0023	0.13%		5.2		173%	
61	12	3,490	0.0034	0.14%		4.7		255%	
62	3	3,038	0.0010	0.14%		4.3		71%	
63	5	2,436	0.0021	0.15%		3.5		142%	
64	4	1,758	0.0023	0.15%		2.6		152%	
65	1	1,281	0.0008	0.16%		2.0		49%	
66	4	1,041	0.0038	0.18%		1.8		220%	
67	4	803	0.0050	0.20%		1.6		255%	
68	1	626	0.0016	0.22%		1.4		73%	
69	4	449	0.0089	0.25%		1.1		356%	
70	1	0	N/A	0.00%		0		0%	
71	0	0	N/A	0.00%		0		0%	
72	2	0	N/A	0.00%		0		0%	
73	0	0	N/A	0.00%		0		0%	
74	1	0	N/A	0.00%		0		0%	
Other	3	0	N/A	0.00%		0		0%	
Total	148	173,802				112.4		132%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY MORTALITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

**TABLE 8A GROUPED**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7) (7)	Proposed (8) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20-24	1	850	0.0012	0.04%		0.3		294%	
25-29	1	5,460	0.0002	0.04%		2.2		46%	
30-34	0	7,073	0.0000	0.04%		3.1		0%	
35-39	2	6,624	0.0003	0.05%		3.6		56%	
40-44	11	6,267	0.0018	0.08%		5.0		222%	
45-49	9	6,033	0.0015	0.13%		7.9		114%	
50-54	16	6,418	0.0025	0.18%		11.6		138%	
55-59	18	6,437	0.0028	0.23%		14.8		122%	
60-64	16	4,343	0.0037	0.28%		12.0		133%	
65-69	9	1,423	0.0063	0.38%		5.4		167%	
70-74	3	0	N/A	0.00%		0		0%	
Other	4	0	N/A	0.00%		0		0%	
<b>Total</b>	<b>90</b>	<b>50,928</b>				<b>65.8</b>		<b>137%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK  
ORDINARY MORTALITY EXPERIENCE OF ACTIVE MEMBERS  
WOMEN**

**TABLE 8B GROUPED**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7) (7)	Proposed (8) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20-24	0	3,047	0.0000	0.02%		0.6		0%	
25-29	8	21,717	0.0004	0.02%		4.3		184%	
30-34	1	24,086	0.0000	0.02%		5.3		19%	
35-39	6	20,550	0.0003	0.03%		5.5		108%	
40-44	7	19,044	0.0004	0.04%		7.6		92%	
45-49	12	20,072	0.0006	0.07%		13.1		92%	
50-54	28	22,794	0.0012	0.09%		20.6		136%	
55-59	32	23,577	0.0014	0.11%		27.1		118%	
60-64	33	14,715	0.0022	0.14%		20.3		162%	
65-69	14	4,200	0.0033	0.19%		7.9		176%	
70-74	4	0	N/A	0.00%		0		0%	
Other	3	0	N/A	0.00%		0		0%	
<b>Total</b>	<b>148</b>	<b>173,802</b>				<b>112.4</b>		<b>132%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY MORTALITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

TABLE 8A

10-YEAR PERIOD ENDING 6/30/2011

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20	0	9	0.0000	0.04%		0.0		0%	
21	0	27	0.0000	0.04%		0.0		0%	
22	0	103	0.0000	0.04%		0.0		0%	
23	2	1,296	0.0015	0.04%		0.5		386%	
24	0	2,550	0.0000	0.04%		1.0		0%	
25	0	3,434	0.0000	0.04%		1.4		0%	
26	1	4,114	0.0002	0.04%		1.6		61%	
27	2	4,702	0.0004	0.04%		1.9		106%	
28	1	5,137	0.0002	0.04%		2.1		49%	
29	0	5,393	0.0000	0.04%		2.2		0%	
30	2	5,558	0.0004	0.04%		2.2		90%	
31	0	5,755	0.0000	0.04%		2.4		0%	
32	0	5,832	0.0000	0.04%		2.6		0%	
33	0	5,884	0.0000	0.05%		2.7		0%	
34	4	5,840	0.0007	0.05%		2.8		143%	
35	0	5,763	0.0000	0.05%		2.9		0%	
36	0	5,710	0.0000	0.05%		3.0		0%	
37	2	5,626	0.0004	0.05%		3.0		66%	
38	4	5,649	0.0007	0.06%		3.2		126%	
39	4	5,608	0.0007	0.06%		3.3		123%	
40	5	5,550	0.0009	0.06%		3.3		150%	
41	3	5,490	0.0005	0.07%		3.8		78%	
42	5	5,406	0.0009	0.08%		4.3		116%	
43	6	5,417	0.0011	0.09%		4.9		123%	
44	3	5,563	0.0005	0.10%		5.6		54%	
45	6	5,579	0.0011	0.11%		6.1		98%	
46	6	5,793	0.0010	0.12%		7.0		86%	
47	8	5,899	0.0014	0.13%		7.7		104%	
48	7	6,090	0.0011	0.14%		8.5		82%	
49	11	6,299	0.0017	0.15%		9.4		116%	
50	10	6,511	0.0015	0.16%		10.4		96%	
51	7	6,790	0.0010	0.17%		11.5		61%	
52	19	7,225	0.0026	0.18%		13.0		146%	
53	18	7,966	0.0023	0.19%		15.1		119%	
54	15	9,019	0.0017	0.20%		18.0		83%	
55	15	9,728	0.0015	0.21%		20.4		73%	
56	20	8,434	0.0024	0.22%		18.6		108%	
57	20	7,386	0.0027	0.23%		17.0		118%	
58	15	6,486	0.0023	0.24%		15.6		96%	
59	20	5,623	0.0036	0.25%		14.1		142%	
60	7	4,718	0.0015	0.26%		12.3		57%	
61	20	4,011	0.0050	0.27%		10.8		185%	
62	17	3,361	0.0051	0.28%		9.4		181%	
63	13	2,587	0.0050	0.29%		7.5		173%	
64	8	2,012	0.0040	0.30%		6.0		133%	
65	8	1,653	0.0048	0.32%		5.3		151%	
66	5	1,304	0.0038	0.35%		4.6		110%	
67	7	1,018	0.0069	0.39%		4.0		176%	
68	6	800	0.0075	0.44%		3.5		170%	
69	3	659	0.0046	0.50%		3.3		91%	
70	4	0	N/A	N/A		0		0%	
71	4	0	N/A	N/A		0		0%	
72	2	0	N/A	N/A		0		0%	
73	2	0	N/A	N/A		0		0%	
74	1	0	N/A	N/A		0		0%	
Other	16	3	5.3333	N/A		0		0%	
Total	364	238,370				319.8		114%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY MORTALITY EXPERIENCE OF ACTIVE MEMBERS**  
**WOMEN**

**TABLE 8B**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20	0	15	0.0000	0.02%		0.0		0%	
21	0	75	0.0000	0.02%		0.0		0%	
22	0	397	0.0000	0.02%		0.1		0%	
23	0	5,884	0.0000	0.02%		1.2		0%	
24	3	11,370	0.0003	0.02%		2.3		132%	
25	2	15,411	0.0001	0.02%		3.1		65%	
26	2	18,138	0.0001	0.02%		3.6		55%	
27	6	20,049	0.0003	0.02%		4.0		150%	
28	9	20,944	0.0004	0.02%		4.2		215%	
29	7	21,059	0.0003	0.02%		4.2		166%	
30	2	20,924	0.0001	0.02%		4.2		48%	
31	1	20,556	0.0000	0.02%		4.3		23%	
32	6	19,921	0.0003	0.02%		4.4		137%	
33	1	19,219	0.0001	0.02%		4.4		23%	
34	7	18,550	0.0004	0.02%		4.5		157%	
35	4	17,866	0.0002	0.03%		4.5		90%	
36	4	17,364	0.0002	0.03%		4.5		89%	
37	5	17,020	0.0003	0.03%		4.6		109%	
38	3	17,003	0.0002	0.03%		4.8		63%	
39	12	16,773	0.0007	0.03%		4.9		247%	
40	5	16,805	0.0003	0.03%		5.0		99%	
41	11	16,691	0.0007	0.04%		5.8		188%	
42	12	16,946	0.0007	0.04%		6.8		177%	
43	7	17,384	0.0004	0.05%		7.8		89%	
44	16	18,005	0.0009	0.05%		9.0		178%	
45	3	18,674	0.0002	0.06%		10.3		29%	
46	17	19,525	0.0009	0.06%		11.7		145%	
47	13	20,302	0.0006	0.07%		13.2		99%	
48	11	21,123	0.0005	0.07%		14.8		74%	
49	27	22,036	0.0012	0.08%		16.5		163%	
50	29	22,972	0.0013	0.08%		18.4		158%	
51	24	23,990	0.0010	0.09%		20.4		118%	
52	32	25,224	0.0013	0.09%		22.7		141%	
53	35	26,604	0.0013	0.10%		25.3		138%	
54	39	27,766	0.0014	0.10%		27.8		140%	
55	44	27,964	0.0016	0.11%		29.4		150%	
56	44	25,008	0.0018	0.11%		27.5		160%	
57	28	22,502	0.0012	0.12%		25.9		108%	
58	29	20,459	0.0014	0.12%		24.6		118%	
59	29	18,233	0.0016	0.13%		22.8		127%	
60	28	15,876	0.0018	0.13%		20.6		136%	
61	36	13,594	0.0026	0.14%		18.4		196%	
62	23	11,617	0.0020	0.14%		16.3		141%	
63	25	8,869	0.0028	0.15%		12.9		194%	
64	17	6,882	0.0025	0.15%		10.3		165%	
65	24	5,485	0.0044	0.16%		8.8		273%	
66	20	4,160	0.0048	0.18%		7.3		275%	
67	23	3,114	0.0074	0.20%		6.1		379%	
68	3	2,487	0.0012	0.22%		5.5		55%	
69	9	1,902	0.0047	0.25%		4.8		189%	
70	12	0	N/A	0.00%		0		0%	
71	4	0	N/A	0.00%		0		0%	
72	6	0	N/A	0.00%		0		0%	
73	2	0	N/A	0.00%		0		0%	
74	3	0	N/A	0.00%		0		0%	
Other	21	5	4.2000	0.00%		0		0%	
Total	785	800,742				524.0		150%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY MORTALITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

**TABLE 8A GROUPED**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20-24	2	3,985	0.0005	0.04%		1.6		125%	
25-29	4	22,780	0.0002	0.04%		9.1		44%	
30-34	6	28,869	0.0002	0.04%		12.7		47%	
35-39	10	28,356	0.0004	0.05%		15.3		65%	
40-44	22	27,426	0.0008	0.08%		21.9		100%	
45-49	38	29,660	0.0013	0.13%		38.7		98%	
50-54	69	37,511	0.0018	0.18%		68.1		101%	
55-59	90	37,657	0.0024	0.23%		85.6		105%	
60-64	65	16,689	0.0039	0.28%		46.0		141%	
65-69	29	5,434	0.0053	0.38%		20.6		141%	
70-74	13	0	N/A	0.00%		0		0%	
Other	16	3	5.3333	0.00%		0		0%	
<b>Total</b>	<b>364</b>	<b>238,370</b>				<b>319.8</b>		<b>114%</b>	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK  
ORDINARY MORTALITY EXPERIENCE OF ACTIVE MEMBERS  
WOMEN**

**TABLE 8B GROUPED**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Deaths		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7) (7)	Proposed (8) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20-24	3	17,741	0.0002	0.02%		3.5		85%	
25-29	26	95,601	0.0003	0.02%		19.1		136%	
30-34	17	99,170	0.0002	0.02%		21.8		78%	
35-39	28	86,026	0.0003	0.03%		23.2		121%	
40-44	51	85,831	0.0006	0.04%		34.5		148%	
45-49	71	101,660	0.0007	0.07%		66.5		107%	
50-54	159	126,556	0.0013	0.09%		114.5		139%	
55-59	174	114,166	0.0015	0.11%		130.1		134%	
60-64	129	56,838	0.0023	0.14%		78.4		164%	
65-69	79	17,148	0.0046	0.19%		32.4		244%	
70-74	27	0	N/A	0.00%		0		0%	
Other	21	5	4.2000	0.00%		0		0%	
<b>Total</b>	<b>785</b>	<b>800,742</b>				<b>524.0</b>		<b>150%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY MORTALITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN AND WOMEN**

Plan Year Ending June 30,	TABLE 8C Life Years Exposed	10-YEAR PERIOD ENDING 6/30/2011				
		Actual Deaths	Expected Deaths	Actual/ Expected	Mortality Rate	
					Actual (3) / (2)	Expected (4) / (2)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2002	92,129	90	81.9	110%	0.10%	0.09%
2003	92,946	104	81.9	127%	0.11%	0.09%
2004	96,156	91	81.7	111%	0.09%	0.08%
2005	102,826	92	82.5	111%	0.09%	0.08%
2006	103,676	131	82.3	159%	0.13%	0.08%
2007	107,357	146	83.9	174%	0.14%	0.08%
2008	107,700	125	84.5	148%	0.12%	0.08%
2009	111,592	132	86.9	152%	0.12%	0.08%
2010	113,661	131	89.4	146%	0.12%	0.08%
2011	111,069	107	88.8	120%	0.10%	0.08%
Total	1,039,112	1,149	843.8	136%	0.11%	0.08%

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

**TABLE 9A**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Disabilities		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20	0	0	N/A	0.01%		0		0%	
21	0	0	N/A	0.01%		0		0%	
22	0	0	N/A	0.01%		0		0%	
23	0	0	N/A	0.01%		0		0%	
24	0	0	N/A	0.01%		0		0%	
25	0	0	N/A	0.01%		0		0%	
26	0	1	0.0000	0.01%		0.0		0%	
27	0	2	0.0000	0.01%		0.0		0%	
28	0	1	0.0000	0.01%		0.0		0%	
29	0	1	0.0000	0.01%		0.0		0%	
30	0	2	0.0000	0.01%		0.0		0%	
31	0	11	0.0000	0.02%		0.0		0%	
32	0	52	0.0000	0.03%		0.0		0%	
33	0	91	0.0000	0.04%		0.0		0%	
34	0	153	0.0000	0.05%		0.1		0%	
35	0	213	0.0000	0.06%		0.1		0%	
36	0	253	0.0000	0.07%		0.2		0%	
37	0	321	0.0000	0.08%		0.2		0%	
38	0	419	0.0000	0.08%		0.4		0%	
39	0	501	0.0000	0.09%		0.5		0%	
40	0	529	0.0000	0.10%		0.5		0%	
41	0	543	0.0000	0.11%		0.6		0%	
42	0	539	0.0000	0.12%		0.6		0%	
43	0	557	0.0000	0.13%		0.7		0%	
44	0	584	0.0000	0.14%		0.8		0%	
45	0	590	0.0000	0.15%		0.9		0%	
46	1	627	0.0016	0.15%		0.9		106%	
47	0	648	0.0000	0.15%		1.0		0%	
48	0	705	0.0000	0.15%		1.1		0%	
49	0	778	0.0000	0.15%		1.2		0%	
50	0	778	0.0000	0.15%		1.2		0%	
51	1	795	0.0013	0.15%		1.2		84%	
52	0	871	0.0000	0.15%		1.3		0%	
53	0	907	0.0000	0.15%		1.4		0%	
54	0	924	0.0000	0.15%		1.4		0%	
55	0	935	0.0000	0.15%		1.4		0%	
56	0	921	0.0000	0.15%		1.4		0%	
57	0	923	0.0000	0.15%		1.4		0%	
58	0	956	0.0000	0.15%		1.4		0%	
59	0	903	0.0000	0.15%		1.4		0%	
60	0	779	0.0000	0.15%		1.2		0%	
61	1	737	0.0014	0.15%		1.1		90%	
62	0	715	0.0000	0.15%		1.1		0%	
63	1	584	0.0017	0.15%		0.9		114%	
64	0	405	0.0000	0.15%		0.6		0%	
65	1	327	0.0031	0.15%		0.5		204%	
66	1	265	0.0038	0.15%		0.4		252%	
67	0	206	0.0000	0.15%		0.3		0%	
68	0	149	0.0000	0.15%		0.2		0%	
69	0	135	0.0000	0.15%		0.2		0%	
70	0	0	N/A	0.00%		0		0%	
71	0	0	N/A	0.00%		0		0%	
72	0	0	N/A	0.00%		0		0%	
73	0	0	N/A	0.00%		0		0%	
74	0	0	N/A	0.00%		0		0%	
Other	0	0	N/A	0.00%		0		0%	
<b>Total</b>	<b>6</b>	<b>21,336</b>				<b>29.6</b>		<b>20%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**WOMEN**

**TABLE 9B**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Disabilities		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20	0	0	N/A	0.01%		0		0%	
21	0	0	N/A	0.01%		0		0%	
22	0	0	N/A	0.01%		0		0%	
23	0	0	N/A	0.01%		0		0%	
24	0	0	N/A	0.01%		0		0%	
25	0	0	N/A	0.01%		0		0%	
26	0	6	0.0000	0.01%		0.0		0%	
27	0	2	0.0000	0.01%		0.0		0%	
28	0	3	0.0000	0.01%		0.0		0%	
29	0	4	0.0000	0.01%		0.0		0%	
30	0	16	0.0000	0.01%		0.0		0%	
31	0	43	0.0000	0.01%		0.0		0%	
32	0	256	0.0000	0.02%		0.1		0%	
33	0	523	0.0000	0.03%		0.2		0%	
34	0	756	0.0000	0.04%		0.3		0%	
35	0	969	0.0000	0.05%		0.5		0%	
36	1	1,077	0.0009	0.06%		0.6		155%	
37	1	1,230	0.0008	0.07%		0.9		116%	
38	0	1,481	0.0000	0.08%		1.2		0%	
39	0	1,681	0.0000	0.09%		1.5		0%	
40	0	1,750	0.0000	0.10%		1.8		0%	
41	0	1,662	0.0000	0.11%		1.8		0%	
42	1	1,656	0.0006	0.12%		2.0		50%	
43	0	1,787	0.0000	0.13%		2.3		0%	
44	0	1,832	0.0000	0.14%		2.6		0%	
45	1	1,961	0.0005	0.15%		2.9		34%	
46	0	2,126	0.0000	0.16%		3.4		0%	
47	0	2,223	0.0000	0.17%		3.8		0%	
48	2	2,333	0.0009	0.18%		4.2		48%	
49	0	2,406	0.0000	0.19%		4.6		0%	
50	4	2,452	0.0016	0.20%		4.9		82%	
51	0	2,646	0.0000	0.20%		5.3		0%	
52	3	2,988	0.0010	0.20%		6.0		50%	
53	0	3,263	0.0000	0.20%		6.5		0%	
54	2	3,452	0.0006	0.20%		6.9		29%	
55	0	3,612	0.0000	0.20%		7.2		0%	
56	1	3,634	0.0003	0.20%		7.3		14%	
57	2	3,692	0.0005	0.20%		7.4		27%	
58	1	3,701	0.0003	0.20%		7.4		14%	
59	0	3,550	0.0000	0.20%		7.1		0%	
60	3	3,281	0.0009	0.20%		6.6		46%	
61	0	2,877	0.0000	0.20%		5.8		0%	
62	0	2,531	0.0000	0.20%		5.1		0%	
63	2	2,020	0.0010	0.20%		4.0		50%	
64	0	1,453	0.0000	0.20%		2.9		0%	
65	0	1,069	0.0000	0.20%		2.1		0%	
66	0	869	0.0000	0.20%		1.7		0%	
67	0	670	0.0000	0.20%		1.3		0%	
68	1	524	0.0019	0.20%		1.0		95%	
69	0	382	0.0000	0.20%		0.8		0%	
70	0	0	N/A	0.00%		0		0%	
71	0	0	N/A	0.00%		0		0%	
72	0	0	N/A	0.00%		0		0%	
73	0	0	N/A	0.00%		0		0%	
74	0	0	N/A	0.00%		0		0%	
Other	0	0	N/A	0.00%		0		0%	
<b>Total</b>	<b>25</b>	<b>76,449</b>				<b>131.9</b>		<b>19%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

**TABLE 9A GROUPED**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Disabilities		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20-24	0	0	N/A	0.00%		0		0%	
25-29	0	5	0.0000	0.01%		0.0		0%	
30-34	0	309	0.0000	0.04%		0.1		0%	
35-39	0	1,707	0.0000	0.08%		1.4		0%	
40-44	0	2,752	0.0000	0.12%		3.3		0%	
45-49	1	3,348	0.0003	0.15%		5.0		20%	
50-54	1	4,275	0.0002	0.15%		6.4		16%	
55-59	0	4,638	0.0000	0.15%		7.0		0%	
60-64	2	3,220	0.0006	0.15%		4.8		41%	
65-69	2	1,082	0.0018	0.15%		1.6		123%	
70-74	0	0	N/A	0.00%		0		0%	
Other	0	0	N/A	0.00%		0		0%	
<b>Total</b>	<b>6</b>	<b>21,336</b>				<b>29.6</b>		<b>20%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**WOMEN**

**TABLE 9B GROUPED**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Disabilities		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20-24	0	0	N/A	0.00%		0		0%	
25-29	0	15	0.0000	0.01%		0.0		0%	
30-34	0	1,594	0.0000	0.03%		0.5		0%	
35-39	2	6,438	0.0003	0.07%		4.7		43%	
40-44	1	8,687	0.0001	0.12%		10.5		10%	
45-49	3	11,049	0.0003	0.17%		18.9		16%	
50-54	9	14,801	0.0006	0.20%		29.6		30%	
55-59	4	18,189	0.0002	0.20%		36.4		11%	
60-64	5	12,162	0.0004	0.20%		24.3		21%	
65-69	1	3,514	0.0003	0.20%		7.0		14%	
70-74	0	0	N/A	0.00%		0		0%	
Other	0	0	N/A	0.00%		0		0%	
<b>Total</b>	<b>25</b>	<b>76,449</b>				<b>131.9</b>		<b>19%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

**TABLE 9A**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Disabilities		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20	0	8	0.0000	0.01%		0.0		0%	
21	0	17	0.0000	0.01%		0.0		0%	
22	0	76	0.0000	0.01%		0.0		0%	
23	0	1,044	0.0000	0.01%		0.1		0%	
24	0	1,990	0.0000	0.01%		0.2		0%	
25	0	2,666	0.0000	0.01%		0.3		0%	
26	0	3,191	0.0000	0.01%		0.3		0%	
27	0	3,603	0.0000	0.01%		0.4		0%	
28	0	3,842	0.0000	0.01%		0.4		0%	
29	0	4,023	0.0000	0.01%		0.4		0%	
30	0	4,172	0.0000	0.01%		0.4		0%	
31	0	4,352	0.0000	0.02%		0.9		0%	
32	1	4,440	0.0002	0.03%		1.3		75%	
33	0	4,543	0.0000	0.04%		1.8		0%	
34	0	4,598	0.0000	0.05%		2.3		0%	
35	0	4,651	0.0000	0.06%		2.8		0%	
36	1	4,690	0.0002	0.07%		3.2		31%	
37	0	4,686	0.0000	0.08%		3.6		0%	
38	3	4,723	0.0006	0.08%		4.0		76%	
39	0	4,689	0.0000	0.09%		4.3		0%	
40	2	4,689	0.0004	0.10%		4.7		43%	
41	4	4,710	0.0008	0.11%		5.2		77%	
42	4	4,735	0.0008	0.12%		5.7		70%	
43	4	4,800	0.0008	0.13%		6.2		64%	
44	6	4,977	0.0012	0.14%		7.0		86%	
45	6	5,029	0.0012	0.15%		7.5		80%	
46	4	5,234	0.0008	0.15%		7.9		51%	
47	6	5,355	0.0011	0.15%		8.0		75%	
48	5	5,551	0.0009	0.15%		8.3		60%	
49	11	5,806	0.0019	0.15%		8.7		126%	
50	6	6,073	0.0010	0.15%		9.1		66%	
51	19	6,373	0.0030	0.15%		9.6		199%	
52	22	6,795	0.0032	0.15%		10.2		216%	
53	17	7,520	0.0023	0.15%		11.3		151%	
54	18	8,607	0.0021	0.15%		12.9		139%	
55	16	9,332	0.0017	0.15%		14.0		114%	
56	17	8,074	0.0021	0.15%		12.1		140%	
57	5	7,037	0.0007	0.15%		10.6		47%	
58	7	6,125	0.0011	0.15%		9.2		76%	
59	10	5,290	0.0019	0.15%		7.9		126%	
60	9	4,435	0.0020	0.15%		6.7		135%	
61	6	3,731	0.0016	0.15%		5.6		107%	
62	1	3,110	0.0003	0.15%		4.7		21%	
63	2	2,411	0.0008	0.15%		3.6		55%	
64	8	1,879	0.0043	0.15%		2.8		284%	
65	5	1,547	0.0032	0.15%		2.3		215%	
66	1	1,213	0.0008	0.15%		1.8		55%	
67	0	951	0.0000	0.15%		1.4		0%	
68	3	757	0.0040	0.15%		1.1		264%	
69	3	625	0.0048	0.15%		0.9		320%	
70	1	0	N/A	0.00%		0		0%	
71	1	0	N/A	0.00%		0		0%	
72	1	0	N/A	0.00%		0		0%	
73	0	0	N/A	0.00%		0		0%	
74	0	0	N/A	0.00%		0		0%	
Other	0	3	0.0000	0.00%		0		0%	
<b>Total</b>	<b>235</b>	<b>208,778</b>				<b>233.7</b>		<b>101%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**WOMEN**

**TABLE 9B**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Disabilities		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20	0	10	0.0000	0.01%		0.0		0%	
21	0	56	0.0000	0.01%		0.0		0%	
22	0	320	0.0000	0.01%		0.0		0%	
23	0	4,995	0.0000	0.01%		0.5		0%	
24	0	9,313	0.0000	0.01%		0.9		0%	
25	0	12,316	0.0000	0.01%		1.2		0%	
26	0	14,197	0.0000	0.01%		1.4		0%	
27	0	15,433	0.0000	0.01%		1.5		0%	
28	0	15,935	0.0000	0.01%		1.6		0%	
29	0	16,018	0.0000	0.01%		1.6		0%	
30	0	15,779	0.0000	0.01%		1.6		0%	
31	0	15,615	0.0000	0.01%		1.6		0%	
32	1	15,474	0.0001	0.02%		3.1		32%	
33	0	15,021	0.0000	0.03%		4.5		0%	
34	2	14,789	0.0001	0.04%		5.9		34%	
35	2	14,583	0.0001	0.05%		7.3		27%	
36	2	14,424	0.0001	0.06%		8.7		23%	
37	8	14,268	0.0006	0.07%		10.0		80%	
38	5	14,390	0.0003	0.08%		11.5		43%	
39	9	14,249	0.0006	0.09%		12.8		70%	
40	9	14,419	0.0006	0.10%		14.4		62%	
41	6	14,533	0.0004	0.11%		16.0		38%	
42	6	14,916	0.0004	0.12%		17.9		34%	
43	8	15,469	0.0005	0.13%		20.1		40%	
44	10	16,137	0.0006	0.14%		22.6		44%	
45	19	16,800	0.0011	0.15%		25.2		75%	
46	30	17,665	0.0017	0.16%		28.3		106%	
47	22	18,532	0.0012	0.17%		31.5		70%	
48	18	19,371	0.0009	0.18%		34.9		52%	
49	28	20,269	0.0014	0.19%		38.5		73%	
50	42	21,246	0.0020	0.20%		42.5		99%	
51	42	22,356	0.0019	0.20%		44.7		94%	
52	45	23,624	0.0019	0.20%		47.2		95%	
53	70	25,018	0.0028	0.20%		50.0		140%	
54	61	26,319	0.0023	0.20%		52.6		116%	
55	57	26,663	0.0021	0.20%		53.3		107%	
56	50	23,855	0.0021	0.20%		47.7		105%	
57	57	21,410	0.0027	0.20%		42.8		133%	
58	49	19,456	0.0025	0.20%		38.9		126%	
59	36	17,394	0.0021	0.20%		34.8		103%	
60	38	15,164	0.0025	0.20%		30.3		125%	
61	23	12,981	0.0018	0.20%		26.0		89%	
62	24	11,110	0.0022	0.20%		22.2		108%	
63	18	8,453	0.0021	0.20%		16.9		106%	
64	8	6,577	0.0012	0.20%		13.2		61%	
65	4	5,273	0.0008	0.20%		10.5		38%	
66	6	3,988	0.0015	0.20%		8.0		75%	
67	6	2,981	0.0020	0.20%		6.0		101%	
68	7	2,385	0.0029	0.20%		4.8		147%	
69	1	1,835	0.0005	0.20%		3.7		27%	
70	1	0	N/A	0.00%		0		0%	
71	2	0	N/A	0.00%		0		0%	
72	0	0	N/A	0.00%		0		0%	
73	2	0	N/A	0.00%		0		0%	
74	0	0	N/A	0.00%		0		0%	
Other	1	5	0.2000	0.00%		0		0%	
Total	835	703,389				921.3		91%	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

**TABLE 9A GROUPED**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Disabilities		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20-24	0	3,135	0.0000	0.01%		0.3		0%	
25-29	0	17,325	0.0000	0.01%		1.7		0%	
30-34	1	22,105	0.0000	0.03%		6.7		15%	
35-39	4	23,439	0.0002	0.08%		17.8		22%	
40-44	20	23,911	0.0008	0.12%		28.8		70%	
45-49	32	26,975	0.0012	0.15%		40.5		79%	
50-54	82	35,368	0.0023	0.15%		53.1		155%	
55-59	55	35,858	0.0015	0.15%		53.8		102%	
60-64	26	15,566	0.0017	0.15%		23.3		111%	
65-69	12	5,093	0.0024	0.15%		7.6		157%	
70-74	3	0	N/A	0.00%		0		0%	
Other	0	3	0.0000	0.00%		0		0%	
<b>Total</b>	<b>235</b>	<b>208,778</b>				<b>233.7</b>		<b>101%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ORDINARY DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**WOMEN**

**TABLE 9B GROUPED**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Disabilities		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20-24	0	14,694	0.0000	0.01%		1.5		0%	
25-29	0	73,899	0.0000	0.01%		7.4		0%	
30-34	3	76,678	0.0000	0.02%		16.7		18%	
35-39	26	71,914	0.0004	0.07%		50.3		52%	
40-44	39	75,474	0.0005	0.12%		91.0		43%	
45-49	117	92,637	0.0013	0.17%		158.3		74%	
50-54	260	118,563	0.0022	0.20%		237.1		110%	
55-59	249	108,778	0.0023	0.20%		217.6		114%	
60-64	111	54,285	0.0020	0.20%		108.6		102%	
65-69	24	16,462	0.0015	0.20%		32.9		73%	
70-74	5	0	N/A	0.00%		0		0%	
Other	1	5	0.2000	0.00%		0		0%	
Total	835	703,389				921.3		91%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK  
ORDINARY DISABILITY EXPERIENCE OF ACTIVE MEMBERS  
MEN AND WOMEN**

Plan Year Ending June 30, (1)	TABLE 9C Life Years Exposed (2)	10-YEAR PERIOD ENDING 6/30/2011				
		Actual Disabilities (3)	Expected Disabilities (4)	Actual/ Expected (5)	Disability Rate	
					Actual (3) / (2) (6)	Expected (4) / (2) (7)
2002	92,129	122	122.3	100%	0.13%	0.13%
2003	92,946	103	122.7	84%	0.11%	0.13%
2004	96,156	142	122.8	116%	0.15%	0.13%
2005	102,826	206	123.8	166%	0.20%	0.12%
2006	103,676	112	123.1	91%	0.11%	0.12%
2007	107,357	149	125.2	119%	0.14%	0.12%
2008	107,700	124	125.3	99%	0.12%	0.12%
2009	111,592	81	128.3	63%	0.07%	0.11%
2010	47,906	12	79.8	15%	0.03%	0.17%
2011	49,879	19	81.8	23%	0.04%	0.16%
Total	912,167	1,070	1,155.0	93%	0.12%	0.13%

The probabilities for Ordinary Disability apply even if the Disability benefit is not payable.

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ACCIDENTAL DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

**TABLE 10A**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Disabilities		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
20	0	1	0.0000	0.00%		0.0		0%	
21	0	10	0.0000	0.00%		0.0		0%	
22	0	27	0.0000	0.00%		0.0		0%	
23	0	252	0.0000	0.00%		0.0		0%	
24	0	560	0.0000	0.00%		0.0		0%	
25	0	768	0.0000	0.00%		0.0		0%	
26	0	924	0.0000	0.00%		0.0		0%	
27	0	1,101	0.0000	0.00%		0.0		0%	
28	0	1,296	0.0000	0.00%		0.0		0%	
29	0	1,371	0.0000	0.00%		0.0		0%	
30	0	1,388	0.0000	0.00%		0.0		0%	
31	0	1,414	0.0000	0.00%		0.0		0%	
32	0	1,444	0.0000	0.00%		0.1		0%	
33	0	1,432	0.0000	0.01%		0.1		0%	
34	2	1,395	0.0014	0.01%		0.1		1792%	
35	0	1,325	0.0000	0.01%		0.1		0%	
36	0	1,273	0.0000	0.01%		0.2		0%	
37	0	1,261	0.0000	0.01%		0.2		0%	
38	1	1,345	0.0007	0.02%		0.2		465%	
39	0	1,420	0.0000	0.02%		0.3		0%	
40	1	1,390	0.0007	0.02%		0.3		360%	
41	0	1,323	0.0000	0.02%		0.3		0%	
42	0	1,210	0.0000	0.02%		0.3		0%	
43	0	1,174	0.0000	0.02%		0.3		0%	
44	1	1,170	0.0009	0.02%		0.3		356%	
45	2	1,140	0.0018	0.03%		0.3		702%	
46	1	1,186	0.0008	0.03%		0.3		324%	
47	2	1,192	0.0017	0.03%		0.3		621%	
48	4	1,244	0.0032	0.03%		0.3		1148%	
49	4	1,271	0.0031	0.03%		0.4		1085%	
50	2	1,216	0.0016	0.03%		0.4		548%	
51	2	1,212	0.0017	0.03%		0.4		532%	
52	2	1,301	0.0015	0.03%		0.4		480%	
53	3	1,353	0.0022	0.03%		0.4		672%	
54	4	1,336	0.0030	0.03%		0.5		881%	
55	8	1,331	0.0060	0.04%		0.5		1717%	
56	4	1,281	0.0031	0.04%		0.5		867%	
57	6	1,272	0.0047	0.04%		0.5		1275%	
58	5	1,317	0.0038	0.04%		0.5		999%	
59	4	1,236	0.0032	0.04%		0.5		830%	
60	3	1,062	0.0028	0.04%		0.4		706%	
61	2	1,017	0.0020	0.04%		0.4		492%	
62	2	966	0.0021	0.04%		0.4		518%	
63	3	760	0.0039	0.04%		0.3		987%	
64	2	538	0.0037	0.04%		0.2		929%	
65	2	433	0.0046	0.04%		0.2		1155%	
66	2	356	0.0056	0.04%		0.1		1404%	
67	1	273	0.0037	0.04%		0.1		916%	
68	0	192	0.0000	0.04%		0.1		0%	
69	0	169	0.0000	0.04%		0.1		0%	
70	1	0	N/A	0.00%		0		0%	
71	0	0	N/A	0.00%		0		0%	
72	1	0	N/A	0.00%		0		0%	
73	1	0	N/A	0.00%		0		0%	
74	0	0	N/A	0.00%		0		0%	
Other	0	0	N/A	0.00%		0		0%	
<b>Total</b>	<b>78</b>	<b>50,928</b>				<b>11.1</b>		<b>701%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ACCIDENTAL DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**WOMEN**

**TABLE 10B**

**2-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Disabilities		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20	0	5	0.0000	0.00%		0.0		0%	
21	0	19	0.0000	0.00%		0.0		0%	
22	0	77	0.0000	0.00%		0.0		0%	
23	0	889	0.0000	0.00%		0.0		0%	
24	0	2,057	0.0000	0.00%		0.0		0%	
25	0	3,095	0.0000	0.00%		0.1		0%	
26	1	3,947	0.0003	0.00%		0.1		1267%	
27	0	4,618	0.0000	0.00%		0.1		0%	
28	0	5,012	0.0000	0.00%		0.1		0%	
29	0	5,045	0.0000	0.00%		0.1		0%	
30	0	5,161	0.0000	0.00%		0.1		0%	
31	0	4,984	0.0000	0.00%		0.1		0%	
32	1	4,703	0.0002	0.00%		0.1		1063%	
33	0	4,721	0.0000	0.00%		0.1		0%	
34	0	4,517	0.0000	0.00%		0.2		0%	
35	2	4,252	0.0005	0.01%		0.2		941%	
36	0	4,017	0.0000	0.01%		0.2		0%	
37	2	3,982	0.0005	0.01%		0.3		718%	
38	3	4,094	0.0007	0.01%		0.3		916%	
39	4	4,205	0.0010	0.01%		0.4		1057%	
40	0	4,136	0.0000	0.01%		0.4		0%	
41	1	3,820	0.0003	0.01%		0.5		218%	
42	0	3,686	0.0000	0.01%		0.5		0%	
43	3	3,702	0.0008	0.02%		0.6		506%	
44	6	3,700	0.0016	0.02%		0.7		901%	
45	5	3,835	0.0013	0.02%		0.8		652%	
46	6	3,986	0.0015	0.02%		0.9		684%	
47	5	3,993	0.0013	0.02%		1.0		522%	
48	11	4,085	0.0027	0.03%		1.1		1036%	
49	8	4,173	0.0019	0.03%		1.2		685%	
50	12	4,178	0.0029	0.03%		1.3		957%	
51	14	4,280	0.0033	0.03%		1.3		1055%	
52	11	4,588	0.0024	0.03%		1.5		749%	
53	17	4,849	0.0035	0.03%		1.6		1062%	
54	16	4,899	0.0033	0.03%		1.7		961%	
55	8	4,913	0.0016	0.04%		1.7		465%	
56	24	4,787	0.0050	0.04%		1.7		1393%	
57	11	4,784	0.0023	0.04%		1.8		621%	
58	10	4,704	0.0021	0.04%		1.8		559%	
59	7	4,389	0.0016	0.04%		1.7		409%	
60	10	3,993	0.0025	0.04%		1.6		626%	
61	9	3,490	0.0026	0.04%		1.4		645%	
62	12	3,038	0.0039	0.04%		1.2		987%	
63	8	2,436	0.0033	0.04%		1.0		821%	
64	5	1,758	0.0028	0.04%		0.7		711%	
65	3	1,281	0.0023	0.04%		0.5		585%	
66	3	1,041	0.0029	0.04%		0.4		720%	
67	0	803	0.0000	0.04%		0.3		0%	
68	0	626	0.0000	0.04%		0.3		0%	
69	1	449	0.0022	0.04%		0.2		557%	
70	0	0	N/A	0.00%		0		0%	
71	3	0	N/A	0.00%		0		0%	
72	2	0	N/A	0.00%		0		0%	
73	0	0	N/A	0.00%		0		0%	
74	0	0	N/A	0.00%		0		0%	
Other	1	0	N/A	0.00%		0		0%	
<b>Total</b>	<b>245</b>	<b>173,802</b>				<b>33.6</b>		<b>729%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ACCIDENTAL DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

**TABLE 10A GROUPED**

Age	Actual Disabilities	Total Exposed	Actual Rate (2) / (3)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Disabilities		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(7) / (3)	(8) / (3)	(7)	(8)	(2) / (7)	(2) / (8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
20-24	0	850	0.0000	0.00%		0.0		0%	
25-29	0	5,460	0.0000	0.00%		0.1		0%	
30-34	2	7,073	0.0003	0.00%		0.3		642%	
35-39	1	6,624	0.0002	0.01%		0.9		107%	
40-44	2	6,267	0.0003	0.02%		1.4		146%	
45-49	13	6,033	0.0022	0.03%		1.6		797%	
50-54	13	6,418	0.0020	0.03%		2.1		632%	
55-59	27	6,437	0.0042	0.04%		2.4		1134%	
60-64	12	4,343	0.0028	0.04%		1.7		691%	
65-69	5	1,423	0.0035	0.04%		0.6		878%	
70-74	3	0	N/A	0.00%		0		0%	
Other	0	0	N/A	0.00%		0		0%	
Total	78	50,928				11.1		701%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ACCIDENTAL DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**WOMEN**

**TABLE 10B GROUPED**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		2-YEAR PERIOD ENDING 6/30/2011 Expected Disabilities		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20-24	0	3,047	0.0000	0.00%		0.1		0%	
25-29	1	21,717	0.0000	0.00%		0.4		230%	
30-34	1	24,086	0.0000	0.00%		0.6		161%	
35-39	11	20,550	0.0005	0.01%		1.4		765%	
40-44	10	19,044	0.0005	0.01%		2.6		378%	
45-49	35	20,072	0.0017	0.02%		4.8		724%	
50-54	70	22,794	0.0031	0.03%		7.3		957%	
55-59	60	23,577	0.0025	0.04%		8.7		689%	
60-64	44	14,715	0.0030	0.04%		5.9		748%	
65-69	7	4,200	0.0017	0.04%		1.7		417%	
70-74	5	0	N/A	0.00%		0		0%	
Other	1	0	N/A	0.00%		0		0%	
<b>Total</b>	<b>245</b>	<b>173,802</b>				<b>33.6</b>		<b>729%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ACCIDENTAL DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

**TABLE 10A**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Disabilities		Actual/ Expected	
				Current	Proposed	Current	Proposed	Current	Proposed
				(5)	(6)	(3) x (5) (7)	(3) x (6) (8)	(2) / (7) (9)	(2) / (8) (10)
20	0	9	0.0000	0.00%		0.0		0%	
21	0	27	0.0000	0.00%		0.0		0%	
22	0	103	0.0000	0.00%		0.0		0%	
23	0	1,296	0.0000	0.00%		0.0		0%	
24	0	2,550	0.0000	0.00%		0.1		0%	
25	0	3,434	0.0000	0.00%		0.1		0%	
26	0	4,114	0.0000	0.00%		0.1		0%	
27	0	4,702	0.0000	0.00%		0.1		0%	
28	0	5,137	0.0000	0.00%		0.1		0%	
29	0	5,393	0.0000	0.00%		0.1		0%	
30	0	5,558	0.0000	0.00%		0.1		0%	
31	0	5,755	0.0000	0.00%		0.1		0%	
32	0	5,832	0.0000	0.00%		0.2		0%	
33	0	5,884	0.0000	0.01%		0.4		0%	
34	2	5,840	0.0003	0.01%		0.5		428%	
35	0	5,763	0.0000	0.01%		0.6		0%	
36	1	5,710	0.0002	0.01%		0.7		146%	
37	1	5,626	0.0002	0.01%		0.8		127%	
38	2	5,649	0.0004	0.02%		0.9		221%	
39	0	5,608	0.0000	0.02%		1.0		0%	
40	2	5,550	0.0004	0.02%		1.1		180%	
41	0	5,490	0.0000	0.02%		1.2		0%	
42	1	5,406	0.0002	0.02%		1.2		84%	
43	0	5,417	0.0000	0.02%		1.2		0%	
44	2	5,563	0.0004	0.02%		1.3		150%	
45	2	5,579	0.0004	0.03%		1.4		143%	
46	3	5,793	0.0005	0.03%		1.5		199%	
47	3	5,899	0.0005	0.03%		1.6		188%	
48	5	6,090	0.0008	0.03%		1.7		293%	
49	10	6,299	0.0016	0.03%		1.8		547%	
50	4	6,511	0.0006	0.03%		2.0		205%	
51	3	6,790	0.0004	0.03%		2.1		143%	
52	5	7,225	0.0007	0.03%		2.3		216%	
53	6	7,966	0.0008	0.03%		2.6		228%	
54	7	9,019	0.0008	0.03%		3.1		228%	
55	12	9,728	0.0012	0.04%		3.4		352%	
56	7	8,434	0.0008	0.04%		3.0		231%	
57	9	7,386	0.0012	0.04%		2.7		329%	
58	7	6,486	0.0011	0.04%		2.5		284%	
59	8	5,623	0.0014	0.04%		2.2		365%	
60	4	4,718	0.0008	0.04%		1.9		212%	
61	7	4,011	0.0017	0.04%		1.6		436%	
62	4	3,361	0.0012	0.04%		1.3		298%	
63	3	2,587	0.0012	0.04%		1.0		290%	
64	4	2,012	0.0020	0.04%		0.8		497%	
65	2	1,653	0.0012	0.04%		0.7		302%	
66	4	1,304	0.0031	0.04%		0.5		767%	
67	1	1,018	0.0010	0.04%		0.4		246%	
68	0	800	0.0000	0.04%		0.3		0%	
69	2	659	0.0030	0.04%		0.3		759%	
70	1	0	N/A	0.00%		0		0%	
71	0	0	N/A	0.00%		0		0%	
72	1	0	N/A	0.00%		0		0%	
73	1	0	N/A	0.00%		0		0%	
74	0	0	N/A	0.00%		0		0%	
Other	0	3	0.0000	0.00%		0		0%	
Total	136	238,370				54.6		249%	



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ACCIDENTAL DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**WOMEN**

**TABLE 10B**

**10-YEAR PERIOD ENDING 6/30/2011**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		Expected Disabilities		Actual/ Expected	
				Current (5)	Proposed (6)	Current (3) x (5) (7)	Proposed (3) x (6) (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20	0	15	0.0000	0.00%		0.0		0%	
21	0	75	0.0000	0.00%		0.0		0%	
22	0	397	0.0000	0.00%		0.0		0%	
23	0	5,884	0.0000	0.00%		0.1		0%	
24	0	11,370	0.0000	0.00%		0.2		0%	
25	0	15,411	0.0000	0.00%		0.3		0%	
26	1	18,138	0.0001	0.00%		0.4		276%	
27	0	20,049	0.0000	0.00%		0.4		0%	
28	1	20,944	0.0000	0.00%		0.4		239%	
29	0	21,059	0.0000	0.00%		0.4		0%	
30	0	20,924	0.0000	0.00%		0.4		0%	
31	0	20,556	0.0000	0.00%		0.4		0%	
32	1	19,921	0.0001	0.00%		0.4		251%	
33	0	19,219	0.0000	0.00%		0.6		0%	
34	1	18,550	0.0001	0.00%		0.7		135%	
35	2	17,866	0.0001	0.01%		0.9		224%	
36	1	17,364	0.0001	0.01%		1.0		96%	
37	3	17,020	0.0002	0.01%		1.2		252%	
38	5	17,003	0.0003	0.01%		1.4		368%	
39	5	16,773	0.0003	0.01%		1.5		331%	
40	2	16,805	0.0001	0.01%		1.7		119%	
41	2	16,691	0.0001	0.01%		2.0		100%	
42	1	16,946	0.0001	0.01%		2.4		42%	
43	3	17,384	0.0002	0.02%		2.8		108%	
44	12	18,005	0.0007	0.02%		3.2		370%	
45	8	18,674	0.0004	0.02%		3.7		214%	
46	8	19,525	0.0004	0.02%		4.3		186%	
47	10	20,302	0.0005	0.02%		4.9		205%	
48	20	21,123	0.0009	0.03%		5.5		364%	
49	10	22,036	0.0005	0.03%		6.2		162%	
50	17	22,972	0.0007	0.03%		6.9		247%	
51	26	23,990	0.0011	0.03%		7.4		350%	
52	21	25,224	0.0008	0.03%		8.1		260%	
53	29	26,604	0.0011	0.03%		8.8		330%	
54	25	27,766	0.0009	0.03%		9.4		265%	
55	23	27,964	0.0008	0.04%		9.8		235%	
56	38	25,008	0.0015	0.04%		9.0		422%	
57	23	22,502	0.0010	0.04%		8.3		276%	
58	21	20,459	0.0010	0.04%		7.8		270%	
59	23	18,233	0.0013	0.04%		7.1		323%	
60	21	15,876	0.0013	0.04%		6.4		331%	
61	14	13,594	0.0010	0.04%		5.4		257%	
62	17	11,617	0.0015	0.04%		4.6		366%	
63	12	8,869	0.0014	0.04%		3.5		338%	
64	10	6,882	0.0015	0.04%		2.8		363%	
65	5	5,485	0.0009	0.04%		2.2		228%	
66	5	4,160	0.0012	0.04%		1.7		300%	
67	2	3,114	0.0006	0.04%		1.2		161%	
68	1	2,487	0.0004	0.04%		1.0		101%	
69	2	1,902	0.0011	0.04%		0.8		263%	
70	1	0	N/A	0.00%		0		0%	
71	5	0	N/A	0.00%		0		0%	
72	3	0	N/A	0.00%		0		0%	
73	0	0	N/A	0.00%		0		0%	
74	0	0	N/A	0.00%		0		0%	
Other	1	5	0.2000	0.00%		0		0%	
Total	441	800,742				159.7		276%	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**ACCIDENTAL DISABILITY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN**

**TABLE 10A GROUPED**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Disabilities		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
				20-24	0	3,985	0.0000	0.00%	
25-29	0	22,780	0.0000	0.00%		0.5		0%	
30-34	2	28,869	0.0001	0.00%		1.3		156%	
35-39	4	28,356	0.0001	0.01%		4.0		101%	
40-44	5	27,426	0.0002	0.02%		6.0		83%	
45-49	23	29,660	0.0008	0.03%		8.0		287%	
50-54	25	37,511	0.0007	0.03%		12.1		207%	
55-59	43	37,657	0.0011	0.04%		13.8		311%	
60-64	22	16,689	0.0013	0.04%		6.7		330%	
65-69	9	5,434	0.0017	0.04%		2.2		414%	
70-74	3	0	N/A	0.00%		0		0%	
Other	0	3	0.0000	0.00%		0		0%	
<b>Total</b>	<b>136</b>	<b>238,370</b>				<b>54.6</b>		<b>249%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK  
ACCIDENTAL DISABILITY EXPERIENCE OF ACTIVE MEMBERS  
WOMEN**

**TABLE 10B GROUPED**

Age (1)	Actual Disabilities (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Probability		10-YEAR PERIOD ENDING 6/30/2011 Expected Disabilities		Actual/ Expected	
				Current (7) / (3) (5)	Proposed (8) / (3) (6)	Current (7)	Proposed (8)	Current (2) / (7) (9)	Proposed (2) / (8) (10)
20-24	0	17,741	0.0000	0.00%		0.4		0%	
25-29	2	95,601	0.0000	0.00%		1.9		105%	
30-34	2	99,170	0.0000	0.00%		2.5		79%	
35-39	16	86,026	0.0002	0.01%		6.0		267%	
40-44	20	85,831	0.0002	0.01%		12.1		166%	
45-49	56	101,660	0.0006	0.02%		24.6		228%	
50-54	118	126,556	0.0009	0.03%		40.6		290%	
55-59	128	114,166	0.0011	0.04%		42.0		305%	
60-64	74	56,838	0.0013	0.04%		22.7		325%	
65-69	15	17,148	0.0009	0.04%		6.9		219%	
70-74	9	0	N/A	0.00%		0		0%	
Other	1	5	0.2000	0.00%		0		0%	
<b>Total</b>	<b>441</b>	<b>800,742</b>				<b>159.7</b>		<b>276%</b>	

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK  
ACCIDENTAL DISABILITY EXPERIENCE OF ACTIVE MEMBERS  
MEN AND WOMEN**

Plan Year Ending June 30, (1)	TABLE 10C Life Years Exposed (2)	10-YEAR PERIOD ENDING 6/30/2011				
		Actual Disabilities (3)	Expected Disabilities (4)	Actual/ Expected (5)	Disability Rate	
					Actual (3) / (2) (6)	Expected (4) / (2) (7)
2002	92,129	17	21.0	81%	0.02%	0.02%
2003	92,946	15	21.0	71%	0.02%	0.02%
2004	96,156	29	21.0	138%	0.03%	0.02%
2005	102,826	51	21.1	242%	0.05%	0.02%
2006	103,676	21	20.9	100%	0.02%	0.02%
2007	107,357	57	21.3	268%	0.05%	0.02%
2008	107,700	26	21.4	122%	0.02%	0.02%
2009	111,592	38	21.9	174%	0.03%	0.02%
2010	113,661	157	22.4	700%	0.14%	0.02%
2011	111,069	166	22.3	744%	0.15%	0.02%
Total	1,039,112	577	214.2	269%	0.06%	0.02%

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**TOTAL SALARY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN AND WOMEN**

TABLE 11A

2-YEAR PERIOD ENDING 6/30/2011

Service	Life Years Exposed	Total Salary BOY	Actual Salary EOY	Expected Salary EOY	Actual/Expected	Increase %	
						Actual %	Expected %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
0	7,430	\$ 311,164,689	\$ 326,497,226	\$ 351,616,099	38%	4.93%	13.00%
1	12,059	578,870,819	609,533,462	642,546,609	48%	5.30%	11.00%
2	14,364	767,010,137	800,198,420	836,041,049	48%	4.33%	9.00%
3	14,903	827,992,992	856,127,527	894,232,431	42%	3.40%	8.00%
4	13,239	772,724,172	802,280,889	842,269,347	43%	3.83%	9.00%
5	12,992	830,167,349	871,062,507	896,580,737	62%	4.93%	8.00%
6	13,766	929,778,833	975,009,576	1,004,161,140	61%	4.86%	8.00%
7	12,772	907,027,229	940,712,797	970,519,135	53%	3.71%	7.00%
8	10,290	735,872,134	746,221,667	772,665,741	28%	1.41%	5.00%
9	8,988	645,432,481	657,126,001	697,067,079	600%	1.81%	8.00%
10	8,990	651,215,144	664,831,301	677,263,750	52%	2.09%	4.00%
11	7,491	544,310,529	550,225,368	566,082,950	27%	1.09%	4.00%
12	6,996	524,666,428	532,765,339	556,146,414	26%	1.54%	6.00%
13	5,687	444,851,386	452,427,756	462,645,441	43%	1.70%	4.00%
14	4,968	385,713,060	393,639,495	416,570,105	26%	2.06%	8.00%
15	4,370	341,145,559	348,563,888	354,791,381	54%	2.17%	4.00%
16	4,526	363,722,137	367,188,507	378,271,022	24%	0.95%	4.00%
17	4,380	350,009,307	353,799,990	367,509,772	22%	1.08%	5.00%
18	4,590	372,185,674	377,789,101	387,073,101	38%	1.51%	4.00%
19	4,322	354,432,268	364,115,224	396,964,140	23%	2.73%	12.00%
20	4,617	389,474,807	403,878,307	405,053,799	92%	3.70%	4.00%
21	4,147	368,003,486	374,365,057	397,443,765	22%	1.73%	8.00%
22	4,079	376,286,466	386,019,277	391,337,925	65%	2.59%	4.00%
23	3,630	346,710,858	348,806,197	360,579,292	15%	0.60%	4.00%
24	3,765	369,447,891	371,069,622	384,225,807	11%	0.44%	4.00%
25	2,988	296,474,844	297,904,812	308,333,838	12%	0.48%	4.00%
26	2,466	251,538,737	252,231,708	261,600,286	7%	0.28%	4.00%
27	1,764	180,292,042	181,061,969	187,503,724	11%	0.43%	4.00%
28	1,655	170,634,469	171,232,457	177,459,848	9%	0.35%	4.00%
29	1,352	138,976,860	139,478,298	144,535,934	9%	0.36%	4.00%
30+	1,242	129,321,185	129,836,903	134,494,032	10%	0.40%	4.00%
Total	208,828	14,655,453,972	15,046,000,648	15,623,585,695	40%	2.66%	6.61%

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MERIT SALARY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN AND WOMEN**

**TABLE 11B**

**2-YEAR PERIOD ENDING 6/30/2011**

<u>Service</u>	<u>Life Years Exposed</u>	<u>Total Salary BOY</u>	<u>Estimated Actual Merit Salary EOY</u>	<u>Expected Merit Salary EOY</u>	<u>Actual/Expected</u>	<u>Increase %</u>	
						<u>Actual %</u>	<u>Expected %</u>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
0	7,430	\$ 311,164,689	\$ 325,256,337	\$ 339,169,511	50%	4.53%	9.00%
1	12,059	578,870,819	607,224,992	619,391,776	70%	4.90%	7.00%
2	14,364	767,010,137	797,139,672	805,360,644	79%	3.93%	5.00%
3	14,903	827,992,992	852,825,586	861,112,712	75%	3.00%	4.00%
4	13,239	772,724,172	799,199,354	811,360,381	69%	3.43%	5.00%
5	12,992	830,167,349	867,751,895	863,374,043	113%	4.53%	4.00%
6	13,766	929,778,833	971,301,725	966,969,986	112%	4.47%	4.00%
7	12,772	907,027,229	937,095,677	934,238,046	111%	3.32%	3.00%
8	10,290	735,872,134	743,287,094	743,230,855	101%	1.01%	1.00%
9	8,988	645,432,481	654,552,091	671,249,780	35%	1.41%	4.00%
10	8,990	651,215,144	662,234,330	651,215,144		1.69%	0.00%
11	7,491	544,310,529	548,054,720	544,310,529		0.69%	0.00%
12	6,996	524,666,428	530,673,030	535,159,757	57%	1.14%	2.00%
13	5,687	444,851,386	450,653,740	444,851,386		1.30%	0.00%
14	4,968	385,713,060	392,101,316	401,141,582	41%	1.66%	4.00%
15	4,370	341,145,559	347,203,439	341,145,559		1.78%	0.00%
16	4,526	363,722,137	365,738,025	363,722,137		0.55%	0.00%
17	4,380	350,009,307	352,404,193	353,509,400	68%	0.68%	1.00%
18	4,590	372,185,674	376,304,867	372,185,674		1.11%	0.00%
19	4,322	354,432,268	362,701,789	382,786,849	29%	2.33%	8.00%
20	4,617	389,474,807	402,325,126	389,474,807		3.30%	0.00%
21	4,147	368,003,486	372,897,501	382,723,625	33%	1.33%	4.00%
22	4,079	376,286,466	384,518,690	376,286,466		2.19%	0.00%
23	3,630	346,710,858	347,423,554	346,710,858		0.21%	0.00%
24	3,765	369,447,891	369,596,306	369,447,891		0.04%	0.00%
25	2,988	296,474,844	296,722,504	296,474,844		0.08%	0.00%
26	2,466	251,538,737	251,228,600	251,538,737		-0.12%	0.00%
27	1,764	180,292,042	180,342,985	180,292,042		0.03%	0.00%
28	1,655	170,634,469	170,551,986	170,634,469		-0.05%	0.00%
29	1,352	138,976,860	138,924,074	138,976,860		-0.04%	0.00%
30+	1,242	129,321,185	129,321,185	129,321,185		0.00%	0.00%
Total	208,828	14,655,453,972	14,987,556,385	15,037,367,536	87%	2.27%	2.61%

The rates for expected merit salary increases are based on actual rates of increase for total salary, adjusted for inflation of 2.30%.  
Actual Merit Salary EOY was estimated using Total Salary BOY and expected merit increase rates.

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**TOTAL SALARY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN AND WOMEN**

**TABLE 11A**

**10-YEAR PERIOD ENDING 6/30/2011**

<u>Service</u>	<u>Life Years Exposed</u>	<u>Total Salary BOY</u>	<u>Actual Salary EOY</u>	<u>Expected Salary EOY</u>	<u>Actual/Expected</u>	<u>Increase %</u>	
						<u>Actual %</u>	<u>Expected %</u>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
0	10,650	\$ 449,341,913	\$ 475,857,722	\$ 507,756,362	45%	5.90%	13.00%
1	68,227	3,107,105,839	3,376,851,660	3,448,887,481	79%	8.68%	11.00%
2	104,982	4,824,412,958	5,283,928,378	5,258,610,124	106%	9.52%	9.00%
3	72,799	3,684,172,844	3,956,855,905	3,978,906,672	93%	7.40%	8.00%
4	66,401	3,554,992,072	3,835,106,634	3,874,941,358	88%	7.88%	9.00%
5	53,945	3,077,800,410	3,319,149,555	3,324,024,443	98%	7.84%	8.00%
6	50,411	2,992,980,913	3,219,938,781	3,232,419,386	95%	7.58%	8.00%
7	41,790	2,623,528,082	2,789,095,004	2,807,175,048	90%	6.31%	7.00%
8	38,048	2,403,415,622	2,517,082,559	2,523,586,403	95%	4.73%	5.00%
9	31,645	2,030,832,766	2,134,093,755	2,193,299,387	64%	5.08%	8.00%
10	32,358	2,092,004,286	2,204,793,608	2,175,684,457	135%	5.39%	4.00%
11	27,730	1,814,173,658	1,889,815,408	1,886,740,604	104%	4.17%	4.00%
12	28,435	1,859,376,975	1,946,806,029	1,970,939,594	78%	4.70%	6.00%
13	24,594	1,629,512,824	1,713,957,975	1,694,693,337	130%	5.18%	4.00%
14	26,297	1,744,315,719	1,840,571,055	1,883,860,977	69%	5.52%	8.00%
15	22,536	1,533,968,995	1,624,022,794	1,595,327,755	147%	5.87%	4.00%
16	25,102	1,751,814,645	1,831,430,181	1,821,887,231	114%	4.54%	4.00%
17	21,944	1,564,402,703	1,637,930,591	1,642,622,838	94%	4.70%	5.00%
18	23,412	1,702,826,517	1,788,263,693	1,770,939,578	125%	5.02%	4.00%
19	20,210	1,514,297,291	1,604,023,699	1,696,012,966	49%	5.93%	12.00%
20	21,073	1,635,824,248	1,753,969,661	1,701,257,218	181%	7.22%	4.00%
21	17,353	1,428,716,646	1,500,250,778	1,543,013,978	63%	5.01%	8.00%
22	18,120	1,536,930,194	1,625,063,413	1,598,407,402	143%	5.73%	4.00%
23	14,564	1,283,864,492	1,329,040,539	1,335,219,072	88%	3.52%	4.00%
24	14,612	1,303,503,608	1,348,164,491	1,355,643,752	86%	3.43%	4.00%
25	11,174	1,008,686,090	1,043,193,867	1,049,033,534	86%	3.42%	4.00%
26	11,023	991,710,110	1,028,224,869	1,031,378,514	92%	3.68%	4.00%
27	8,907	797,005,276	827,052,544	828,885,487	94%	3.77%	4.00%
28	9,510	842,128,873	876,898,408	875,814,028	103%	4.13%	4.00%
29	8,008	709,834,780	739,839,657	738,228,171	106%	4.23%	4.00%
30+	7,981	700,391,980	729,988,172	728,407,659	106%	4.23%	4.00%
Total	933,841	58,193,873,329	61,791,261,385	62,073,604,815	93%	6.18%	6.67%

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**MERIT SALARY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN AND WOMEN**

**TABLE 11B**

**10-YEAR PERIOD ENDING 6/30/2011**

<u>Service</u>	<u>Life Years Exposed</u>	<u>Total Salary BOY</u>	<u>Estimated Actual Merit Salary EOY</u>	<u>Expected Merit Salary EOY</u>	<u>Actual/Expected</u>	<u>Increase %</u>	
						<u>Actual %</u>	<u>Expected %</u>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
0	10,650	\$ 449,341,913	\$ 500,506,038	\$ 489,782,685	127%	11.39%	9.00%
1	68,227	3,107,105,839	3,252,477,250	3,324,603,248	67%	4.68%	7.00%
2	104,982	4,824,412,958	5,065,981,407	5,065,633,606	100%	5.01%	5.00%
3	72,799	3,684,172,844	3,827,275,115	3,831,539,758	97%	3.88%	4.00%
4	66,401	3,554,992,072	3,703,356,109	3,732,741,676	83%	4.17%	5.00%
5	53,945	3,077,800,410	3,218,424,461	3,200,912,426	114%	4.57%	4.00%
6	50,411	2,992,980,913	3,128,109,465	3,112,700,150	113%	4.51%	4.00%
7	41,790	2,623,528,082	2,706,129,634	2,702,233,924	105%	3.15%	3.00%
8	38,048	2,403,415,622	2,442,202,345	2,427,449,778	161%	1.61%	1.00%
9	31,645	2,030,832,766	2,071,834,553	2,112,066,077	50%	2.02%	4.00%
10	32,358	2,092,004,286	2,137,823,395	2,092,004,286		2.19%	0.00%
11	27,730	1,814,173,658	1,831,831,750	1,814,173,658		0.97%	0.00%
12	28,435	1,859,376,975	1,882,898,387	1,896,564,515	63%	1.27%	2.00%
13	24,594	1,629,512,824	1,657,503,049	1,629,512,824		1.72%	0.00%
14	26,297	1,744,315,719	1,773,817,188	1,814,088,348	42%	1.69%	4.00%
15	22,536	1,533,968,995	1,566,505,106	1,533,968,995		2.12%	0.00%
16	25,102	1,751,814,645	1,764,127,928	1,751,814,645		0.70%	0.00%
17	21,944	1,564,402,703	1,579,627,334	1,580,046,730	97%	0.97%	1.00%
18	23,412	1,702,826,517	1,724,593,781	1,702,826,517		1.28%	0.00%
19	20,210	1,514,297,291	1,550,701,052	1,635,441,074	30%	2.40%	8.00%
20	21,073	1,635,824,248	1,694,057,758	1,635,824,248		3.56%	0.00%
21	17,353	1,428,716,646	1,449,949,195	1,485,865,312	37%	1.49%	4.00%
22	18,120	1,536,930,194	1,568,909,351	1,536,930,194		2.08%	0.00%
23	14,564	1,283,864,492	1,286,013,058	1,283,864,492		0.17%	0.00%
24	14,612	1,303,503,608	1,303,976,262	1,303,503,608		0.04%	0.00%
25	11,174	1,008,686,090	1,009,728,713	1,008,686,090		0.10%	0.00%
26	11,023	991,710,110	991,525,103	991,710,110		-0.02%	0.00%
27	8,907	797,005,276	796,926,267	797,005,276		-0.01%	0.00%
28	9,510	842,128,873	842,740,309	842,128,873		0.07%	0.00%
29	8,008	709,834,780	711,190,951	709,834,780		0.19%	0.00%
30+	7,981	700,391,980	700,391,980	700,391,980		0.00%	0.00%
Total	933,841	58,193,873,329	59,741,134,295	59,745,849,882	100%	2.66%	2.67%

The rates for expected merit salary increases are based on actual rates of increase for total salary, adjusted for inflation of 2.40%. Actual Merit Salary EOY was estimated using Total Salary BOY and expected merit increase rates.



**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK**  
**TOTAL SALARY EXPERIENCE OF ACTIVE MEMBERS**  
**MEN AND WOMEN**

Plan Year Ending June 30, (1)	TABLE 11C Life Years Exposed (2)	10-YEAR PERIOD ENDING 6/30/2011					
		Total Salary BOY (3)	Actual Salary EOY (4)	Expected Salary EOY (5)	Actual/ Expected (5)	Increase %	
						Actual (4) / (3)	Expected (5) / (3)
2002	85,132	\$ 4,449,187,345	\$ 4,798,445,373	\$ 4,715,610,708	131%	7.85%	5.99%
2003	85,332	4,610,997,754	5,231,188,861	4,897,296,922	217%	13.45%	6.21%
2004	87,737	5,145,513,062	5,411,898,407	5,475,023,215	81%	5.18%	6.40%
2005	94,076	5,562,504,734	5,839,094,030	5,941,494,673	73%	4.97%	6.81%
2006	96,824	5,826,830,796	6,400,527,254	6,216,709,714	147%	9.85%	6.69%
2007	99,216	6,361,070,811	6,714,376,695	6,785,979,869	83%	5.55%	6.68%
2008	100,240	6,642,445,486	7,330,300,938	7,081,820,444	157%	10.36%	6.61%
2009	105,324	7,427,497,474	7,636,487,058	7,923,216,805	42%	2.81%	6.67%
2010	108,135	7,620,768,928	7,824,059,175	8,127,916,494	40%	2.67%	6.65%
2011	105,104	7,493,538,216	7,683,149,390	7,972,876,499	40%	2.53%	6.40%
Total	967,120	61,140,354,606	64,869,527,181	65,137,945,343	93%	6.10%	6.54%

**TEACHERS' RETIREMENT SYSTEM OF THE CITY OF NEW YORK  
OVERTIME PAY EXPERIENCE FOR ALL YEARS  
MEN AND WOMEN**

Plan Year Ending June 30, (1)	Life Years Exposed (2)	TABLE 12A			10-YEAR PERIOD ENDING 6/30/2011		
		Salary during the Year (3)	Actual Overtime (4)	Expected Overtime (5)	Actual/ Expected (6)	Increase %	
						Actual (4) / (3)	Expected (5) / (3)
2002	85,187	\$ 4,451,551,935	-	-			0.00%
2003	85,418	4,615,000,785	\$ 85,043	-		0.00%	0.00%
2004	87,789	5,147,965,127	92,288	-		0.00%	0.00%
2005	94,283	5,572,017,261	102,946	-		0.00%	0.00%
2006	96,830	5,826,946,695	-	-			0.00%
2007	99,766	6,387,385,493	-	-			0.00%
2008	100,241	6,642,489,520	-	-			0.00%
2009	105,324	7,427,497,474	-	-			0.00%
2010	105,011	7,485,743,880	-	-			0.00%
2011	100,453	7,273,525,045	-	-			0.00%
Total	960,302	60,830,123,215	280,277	-		0.00%	0.00%