

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
PRELIMINARY EXPERIENCE STUDY RESULTS
OVERVIEW

Table Number	Table Type	4-YEAR PERIOD ENDING 6/30/2013		10-YEAR PERIOD ENDING 6/30/2013		Average Number of Decrements per Year	GRS' Ideal A/E Range	Comments
		Expected	Average Number of Decrements per Year	Ratio of Actual to				
				Expected	Proposed			
	Service Retiree Mortality						98-103%	The proposed assumption is equivalent to the proposed assumption for the Police System.
1A	Men	102%	61	101%	106%	56		
1B	Women	283%	1	208%	124%	0		
1C	Men & Women	102%	61	102%	106%	56		
1D	By Year							
	Disabled Retiree Mortality						98-103%	The proposed assumption is equivalent to the proposed assumption for the Police System.
2A	Men	94%	28	95%	100%	26		
2B	Women	0%	0	56%	33%	0		
2C	Men & Women	93%	28	95%	99%	26		
2D	By Year							

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
MEN

TABLE 1A

4-YEAR PERIOD ENDING 6/30/2013

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	0.1149%	0.0847%	0	0	0%	0%
42	0	0	N/A	0.1268%	0.0924%	0	0	0%	0%
43	0	0	N/A	0.1381%	0.1007%	0	0	0%	0%
44	0	0	N/A	0.1489%	0.1096%	0	0	0%	0%
45	0	0	N/A	0.1593%	0.1191%	0	0	0%	0%
46	0	0	N/A	0.1692%	0.1291%	0	0	0%	0%
47	0	0	N/A	0.1787%	0.1397%	0	0	0%	0%
48	0	0	N/A	0.1877%	0.1509%	0	0	0%	0%
49	0	0	N/A	0.1962%	0.1626%	0	0	0%	0%
50	0	0	N/A	0.2044%	0.1760%	0	0	0%	0%
51	0	0	N/A	0.2650%	0.1915%	0	0	0%	0%
52	0	0	N/A	0.3230%	0.2100%	0	0	0%	0%
53	0	0	N/A	0.3815%	0.2320%	0	0	0%	0%
54	0	0	N/A	0.4387%	0.2581%	0	0	0%	0%
55	0	0	N/A	0.4736%	0.2889%	0	0	0%	0%
56	0	19	0.000000	0.5260%	0.3252%	0.1	0.1	0%	0%
57	2	67	0.029851	0.5794%	0.3661%	0.4	0.2	515%	815%
58	0	88	0.000000	0.6335%	0.4120%	0.6	0.4	0%	0%
59	0	122	0.000000	0.6829%	0.4637%	0.8	0.6	0%	0%
60	0	148	0.000000	0.7324%	0.5220%	1.1	0.8	0%	0%
61	2	177	0.011299	0.8220%	0.5875%	1.5	1.0	137%	192%
62	1	187	0.005348	0.9088%	0.6613%	1.7	1.2	59%	81%
63	0	241	0.000000	1.0069%	0.7443%	2.4	1.8	0%	0%
64	4	231	0.017316	1.1009%	0.8378%	2.5	1.9	157%	207%
65	3	391	0.007673	1.1979%	0.9430%	4.7	3.7	64%	81%
66	10	567	0.017637	1.3088%	1.0614%	7.4	6.0	135%	166%
67	9	651	0.013825	1.4132%	1.1947%	9.2	7.8	98%	116%
68	15	689	0.021771	1.6088%	1.3447%	11.1	9.3	135%	162%
69	17	725	0.023448	1.8232%	1.5136%	13.2	11.0	129%	155%
70	10	592	0.016892	2.0284%	1.7036%	12.0	10.1	83%	99%
71	10	521	0.019194	2.2557%	1.9175%	11.8	10.0	85%	100%
72	10	482	0.020747	2.4904%	2.1583%	12.0	10.4	83%	96%
73	8	419	0.019093	2.7697%	2.4293%	11.6	10.2	69%	79%
74	8	339	0.023599	3.0577%	2.7344%	10.4	9.3	77%	86%
75	9	274	0.032847	3.3819%	3.0777%	9.3	8.4	97%	107%
76	10	207	0.048309	3.6897%	3.4642%	7.6	7.2	131%	139%
77	9	139	0.064748	4.0392%	3.8992%	5.6	5.4	160%	166%
78	3	139	0.021583	4.5878%	4.3888%	6.4	6.1	47%	49%
79	9	123	0.073171	5.1603%	4.9399%	6.3	6.1	142%	148%
80	8	110	0.072727	5.7574%	5.5602%	6.3	6.1	126%	131%
81	8	96	0.083333	6.2750%	6.2583%	6.0	6.0	133%	133%
82	6	95	0.063158	6.8004%	7.0442%	6.5	6.7	93%	90%
83	5	81	0.061728	7.6869%	7.9287%	6.2	6.4	80%	78%
84	6	80	0.075000	8.6426%	8.9243%	6.9	7.1	87%	84%
85	6	75	0.080000	9.5359%	10.0449%	7.2	7.5	84%	80%
86	11	81	0.135802	10.4293%	11.3062%	8.4	9.2	130%	120%
87	5	62	0.080645	11.4143%	12.7259%	7.1	7.9	71%	63%
88	10	50	0.200000	12.9703%	14.3239%	6.5	7.2	154%	140%
89	7	42	0.166667	14.4340%	16.1225%	6.1	6.8	115%	103%
90	9	35	0.257143	16.0257%	18.1469%	5.6	6.4	160%	142%
91	2	13	0.153846	17.7342%	20.4256%	2.3	2.7	87%	75%
92	2	21	0.095238	19.6122%	22.9904%	4.1	4.8	49%	41%
93	3	12	0.250000	21.3511%	25.8773%	2.6	3.1	117%	97%
94	2	7	0.285714	23.1317%	29.1266%	1.6	2.0	124%	98%
95	0	3	0.000000	25.1888%	32.7840%	0.8	1.0	0%	0%
96	1	3	0.333333	27.1021%	36.9006%	0.8	1.1	123%	90%
97	1	1	1.000000	28.9236%	41.5341%	0.3	0.4	346%	241%
98	0	3	0.000000	30.9850%	46.7494%	0.9	1.4	0%	0%
99	0	4	0.000000	32.6300%	50.0000%	1.3	2.0	0%	0%
Subtotal	241	8,412				237.2	224.6	102%	107%
100 or more	1	2	0.500000	37.1685%	50.0000%	0.7	1.0	135%	100%
Total	242	8,414				237.9	225.6	102%	107%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
WOMEN**

TABLE 1B

4-YEAR PERIOD ENDING 6/30/2013

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	0.0652%	0.0891%	0	0	0%	0%
42	0	0	N/A	0.0724%	0.1482%	0	0	0%	0%
43	0	0	N/A	0.0813%	0.2073%	0	0	0%	0%
44	0	0	N/A	0.0921%	0.2663%	0	0	0%	0%
45	0	0	N/A	0.1042%	0.3254%	0	0	0%	0%
46	0	0	N/A	0.1182%	0.3844%	0	0	0%	0%
47	0	0	N/A	0.1336%	0.4435%	0	0	0%	0%
48	0	0	N/A	0.1515%	0.4658%	0	0	0%	0%
49	0	0	N/A	0.1706%	0.4882%	0	0	0%	0%
50	0	0	N/A	0.1835%	0.5105%	0	0	0%	0%
51	0	0	N/A	0.1877%	0.5328%	0	0	0%	0%
52	0	0	N/A	0.1886%	0.5551%	0	0	0%	0%
53	0	0	N/A	0.1888%	0.5775%	0	0	0%	0%
54	0	0	N/A	0.2353%	0.6000%	0	0	0%	0%
55	0	0	N/A	0.2757%	0.6224%	0	0	0%	0%
56	0	0	N/A	0.3173%	0.6448%	0	0	0%	0%
57	0	0	N/A	0.3601%	0.6672%	0	0	0%	0%
58	0	0	N/A	0.3940%	0.7265%	0	0	0%	0%
59	0	0	N/A	0.4434%	0.7858%	0	0	0%	0%
60	0	0	N/A	0.4948%	0.8451%	0	0	0%	0%
61	0	0	N/A	0.5483%	0.9044%	0	0	0%	0%
62	0	0	N/A	0.5910%	0.9637%	0	0	0%	0%
63	0	0	N/A	0.6339%	1.0967%	0	0	0%	0%
64	0	0	N/A	0.7209%	1.2297%	0	0	0%	0%
65	0	0	N/A	0.7970%	1.3628%	0	0	0%	0%
66	0	0	N/A	0.8947%	1.4958%	0	0	0%	0%
67	0	0	N/A	0.9782%	1.6288%	0	0	0%	0%
68	0	2	0.000000	1.0645%	1.8723%	0.0	0.0	0%	0%
69	0	4	0.000000	1.1784%	2.1159%	0.0	0.1	0%	0%
70	0	1	0.000000	1.2724%	2.3594%	0.0	0.0	0%	0%
71	0	4	0.000000	1.4484%	2.6030%	0.1	0.1	0%	0%
72	0	0	N/A	1.6414%	2.8465%	0	0	0%	0%
73	0	1	0.000000	1.8260%	3.2374%	0.0	0.0	0%	0%
74	0	0	N/A	2.0305%	3.6283%	0	0	0%	0%
75	0	0	N/A	2.2714%	4.0191%	0	0	0%	0%
76	0	2	0.000000	2.5261%	4.4100%	0.1	0.1	0%	0%
77	0	4	0.000000	2.7525%	4.8009%	0.1	0.2	0%	0%
78	0	0	N/A	3.0847%	5.3759%	0	0	0%	0%
79	0	2	0.000000	3.3655%	5.9510%	0.1	0.1	0%	0%
80	0	0	N/A	3.7332%	6.5260%	0	0	0%	0%
81	0	0	N/A	4.2964%	7.1011%	0	0	0%	0%
82	0	0	N/A	4.8965%	7.6761%	0	0	0%	0%
83	1	1	1.000000	5.5353%	8.4721%	0.1	0.1	1807%	1180%
84	0	0	N/A	6.1127%	9.2681%	0	0	0%	0%
85	0	0	N/A	6.6246%	10.0641%	0	0	0%	0%
86	0	0	N/A	7.3910%	10.8601%	0	0	0%	0%
87	0	1	0.000000	8.3102%	11.6561%	0.1	0.1	0%	0%
88	1	2	0.500000	9.1692%	12.7099%	0.2	0.3	545%	393%
89	0	0	N/A	9.8983%	13.7637%	0	0	0%	0%
90	0	0	N/A	10.9757%	14.8175%	0	0	0%	0%
91	0	0	N/A	12.6361%	15.8713%	0	0	0%	0%
92	0	0	N/A	14.0621%	16.9251%	0	0	0%	0%
93	0	0	N/A	15.6132%	18.2735%	0	0	0%	0%
94	0	0	N/A	17.2777%	19.6219%	0	0	0%	0%
95	0	0	N/A	19.0720%	20.9703%	0	0	0%	0%
96	0	0	N/A	20.3503%	22.3186%	0	0	0%	0%
97	0	0	N/A	21.6816%	23.6670%	0	0	0%	0%
98	0	0	N/A	22.5836%	25.3468%	0	0	0%	0%
99	0	0	N/A	23.2086%	27.0267%	0	0	0%	0%
Subtotal	2	24				0.7	1.1	283%	176%
100 or more	0	0	N/A	25.4498%	32.0661%	0	0	0%	0%
Total	2	24				0.7	1.1	283%	176%

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
MEN AND WOMEN

TABLE 1C

4-YEAR PERIOD ENDING 6/30/2013

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	0.0000%	0.0749%	0	0	0%	0%
42	0	0	N/A	0.0000%	0.0824%	0	0	0%	0%
43	0	0	N/A	0.0000%	0.0907%	0	0	0%	0%
44	0	0	N/A	0.0000%	0.0996%	0	0	0%	0%
45	0	0	N/A	0.0000%	0.1087%	0	0	0%	0%
46	0	0	N/A	0.0000%	0.1183%	0	0	0%	0%
47	0	0	N/A	0.0000%	0.1283%	0	0	0%	0%
48	0	0	N/A	0.0000%	0.1387%	0	0	0%	0%
49	0	0	N/A	0.0000%	0.1500%	0	0	0%	0%
50	0	0	N/A	0.0000%	0.1622%	0	0	0%	0%
51	0	0	N/A	0.0000%	0.1792%	0	0	0%	0%
52	0	0	N/A	0.0000%	0.1952%	0	0	0%	0%
53	0	0	N/A	0.0000%	0.2135%	0	0	0%	0%
54	0	0	N/A	0.0000%	0.2319%	0	0	0%	0%
55	0	0	N/A	0.0000%	0.2571%	0	0	0%	0%
56	0	19	0.000000	0.5260%	0.2892%	0.1	0.1	0%	0%
57	2	67	0.029851	0.5794%	0.3219%	0.4	0.2	515%	815%
58	0	88	0.000000	0.6335%	0.3591%	0.6	0.4	0%	0%
59	0	122	0.000000	0.6829%	0.4021%	0.8	0.6	0%	0%
60	0	148	0.000000	0.7324%	0.4526%	1.1	0.8	0%	0%
61	2	177	0.011299	0.8220%	0.5148%	1.5	1.0	137%	192%
62	1	187	0.005348	0.9088%	0.5829%	1.7	1.2	59%	81%
63	0	241	0.000000	1.0069%	0.6697%	2.4	1.8	0%	0%
64	4	231	0.017316	1.1009%	0.7547%	2.5	1.9	157%	207%
65	3	391	0.007673	1.1979%	0.8499%	4.7	3.7	64%	81%
66	10	567	0.017637	1.3088%	0.9592%	7.4	6.0	135%	166%
67	9	651	0.013825	1.4132%	1.0650%	9.2	7.8	98%	116%
68	15	691	0.021708	1.6072%	1.1773%	11.1	9.3	135%	161%
69	17	729	0.023320	1.8197%	1.3012%	13.3	11.1	128%	154%
70	10	593	0.016863	2.0271%	1.4660%	12.0	10.1	83%	99%
71	10	525	0.019048	2.2495%	1.6269%	11.8	10.1	85%	99%
72	10	482	0.020747	2.4904%	1.8095%	12.0	10.4	83%	96%
73	8	420	0.019048	2.7675%	2.0113%	11.6	10.2	69%	78%
74	8	339	0.023599	3.0577%	2.2292%	10.4	9.3	77%	86%
75	9	274	0.032847	3.3819%	2.4611%	9.3	8.4	97%	107%
76	10	209	0.047847	3.6786%	2.7115%	7.7	7.3	130%	138%
77	9	143	0.062937	4.0032%	2.9864%	5.7	5.6	157%	160%
78	3	139	0.021583	4.5878%	3.2920%	6.4	6.1	47%	49%
79	9	125	0.072000	5.1316%	3.6344%	6.4	6.2	140%	145%
80	8	110	0.072727	5.7574%	4.0174%	6.3	6.1	126%	131%
81	8	96	0.083333	6.2750%	4.4465%	6.0	6.0	133%	133%
82	6	95	0.063158	6.8004%	4.9293%	6.5	6.7	93%	90%
83	6	82	0.073171	7.6607%	5.4733%	6.3	6.5	96%	92%
84	6	80	0.075000	8.6426%	6.0872%	6.9	7.1	87%	84%
85	6	75	0.080000	9.5359%	6.7815%	7.2	7.5	84%	80%
86	11	81	0.135802	10.4293%	7.5634%	8.4	9.2	130%	120%
87	5	63	0.079365	11.3650%	8.4357%	7.2	8.0	70%	62%
88	11	52	0.211538	12.8241%	9.3959%	6.7	7.4	165%	148%
89	7	42	0.166667	14.4340%	10.4336%	6.1	6.8	115%	103%
90	9	35	0.257143	16.0257%	11.6597%	5.6	6.4	160%	142%
91	2	13	0.153846	17.7342%	12.9469%	2.3	2.7	87%	75%
92	2	21	0.095238	19.6122%	14.2697%	4.1	4.8	49%	41%
93	3	12	0.250000	21.3511%	15.6021%	2.6	3.1	117%	97%
94	2	7	0.285714	23.1317%	16.9206%	1.6	2.0	124%	98%
95	0	3	0.000000	25.1888%	18.2050%	0.8	1.0	0%	0%
96	1	3	0.333333	27.1021%	19.4361%	0.8	1.1	123%	90%
97	1	1	1.000000	28.9236%	20.5957%	0.3	0.4	346%	241%
98	0	3	0.000000	30.9850%	21.4288%	0.9	1.4	0%	0%
99	0	4	0.000000	32.6300%	22.3865%	1.3	2.0	0%	0%
Subtotal	243	8,436				237.9	225.8	102%	108%
100 or more	1	2	0.500000	37.1685%	24.8955%	0.7	1.0	135%	100%
Total	244	8,438				238.6	226.8	102%	108%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
MEN**

TABLE 1A GROUPED

4-YEAR PERIOD ENDING 6/30/2013

<u>Age</u> (1)	<u>Actual Deaths</u> (2)	<u>Total Exposed</u> (3)	<u>Actual Rate</u> (2) / (3) (4)	<u>Assumed Probability</u>		<u>Expected Deaths</u>		<u>Actual/Expected</u>	
				<u>Current</u> (7) / (3) (5)	<u>Proposed</u> (8) / (3) (6)	<u>Current</u> (7)	<u>Proposed</u> (8)	<u>Current</u> (2) / (7) (9)	<u>Proposed</u> (2) / (8) (10)
41-44	0	0	N/A			0	0	0%	0%
45-49	0	0	N/A			0	0	0%	0%
50-54	0	0	N/A			0	0	0%	0%
55-59	2	296	0.006757	0.6347%	0.4174%	1.9	1.2	106%	162%
60-64	7	984	0.007114	0.9358%	0.6888%	9.2	6.8	76%	103%
65-69	54	3,023	0.017863	1.5087%	1.2478%	45.6	37.7	118%	143%
70-74	46	2,353	0.019550	2.4537%	2.1219%	57.7	49.9	80%	92%
75-79	40	882	0.045351	3.9958%	3.7642%	35.2	33.2	113%	120%
80-84	33	462	0.071429	6.9173%	7.0082%	32.0	32.4	103%	102%
85-89	39	310	0.125806	11.3626%	12.4242%	35.2	38.5	111%	101%
90-94	18	88	0.204545	18.4254%	21.5669%	16.2	19.0	111%	95%
95-99	2	14	0.142857	29.2337%	42.2026%	4.1	5.9	49%	34%
100+	1	2	0.500000	37.1685%	50.0000%	0.7	1.0	135%	100%
Total	242	8,414				237.9	225.6	102%	107%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
WOMEN**

TABLE 1B GROUPED

4-YEAR PERIOD ENDING 6/30/2013

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	0%	0%
45-49	0	0	N/A			0	0	0%	0%
50-54	0	0	N/A			0	0	0%	0%
55-59	0	0	N/A			0	0	0%	0%
60-64	0	0	N/A			0	0	0%	0%
65-69	0	6	0.000000	1.1404%	2.0347%	0.1	0.1	0%	0%
70-74	0	6	0.000000	1.4820%	2.6681%	0.1	0.2	0%	0%
75-79	0	8	0.000000	2.8492%	4.9907%	0.2	0.4	0%	0%
80-84	1	1	1.000000	5.5353%	8.4721%	0.1	0.1	1807%	1180%
85-89	1	3	0.333333	8.8829%	12.3587%	0.3	0.4	375%	270%
90-94	0	0	N/A			0	0	0%	0%
95-99	0	0	N/A			0	0	0%	0%
100+	0	0	N/A			0	0	0%	0%
Total	2	24				0.7	1.1	283%	176%

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
MEN AND WOMEN

TABLE 1C GROUPED

4-YEAR PERIOD ENDING 6/30/2013

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	0%	0%
45-49	0	0	N/A			0	0	0%	0%
50-54	0	0	N/A			0	0	0%	0%
55-59	2	296	0.006757	0.6347%	0.4174%	1.9	1.2	106%	162%
60-64	7	984	0.007114	0.9358%	0.6888%	9.2	6.8	76%	103%
65-69	54	3,029	0.017828	1.5080%	1.2494%	45.7	37.8	118%	143%
70-74	46	2,359	0.019500	2.4512%	2.1232%	57.8	50.1	80%	92%
75-79	40	890	0.044944	3.9855%	3.7752%	35.5	33.6	113%	119%
80-84	34	463	0.073434	6.9143%	7.0114%	32.0	32.5	106%	105%
85-89	40	313	0.127796	11.3388%	12.4236%	35.5	38.9	113%	103%
90-94	18	88	0.204545	18.4254%	21.5669%	16.2	19.0	111%	95%
95-99	2	14	0.142857	29.2337%	42.2026%	4.1	5.9	49%	34%
100+	1	2	0.500000	37.1685%	50.0000%	0.7	1.0	135%	100%
Total	244	8,438				238.6	226.8	102%	108%

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
MEN

TABLE 1A

10-YEAR PERIOD ENDING 6/30/2013

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	0.1181%	0.0919%	0	0	0%	0%
42	0	0	N/A	0.1307%	0.1007%	0	0	0%	0%
43	0	0	N/A	0.1428%	0.1099%	0	0	0%	0%
44	0	0	N/A	0.1544%	0.1195%	0	0	0%	0%
45	0	0	N/A	0.1657%	0.1295%	0	0	0%	0%
46	0	0	N/A	0.1766%	0.1399%	0	0	0%	0%
47	0	0	N/A	0.1870%	0.1506%	0	0	0%	0%
48	0	0	N/A	0.1970%	0.1616%	0	0	0%	0%
49	0	0	N/A	0.2066%	0.1730%	0	0	0%	0%
50	0	19	0.000000	0.2158%	0.1858%	0.0	0.0	0%	0%
51	1	50	0.020000	0.2807%	0.2005%	0.1	0.1	713%	997%
52	1	84	0.011905	0.3432%	0.2179%	0.3	0.2	347%	546%
53	1	122	0.008197	0.4054%	0.2385%	0.5	0.3	202%	344%
54	1	174	0.005747	0.4662%	0.2633%	0.8	0.5	123%	218%
55	1	216	0.004630	0.5017%	0.2930%	1.1	0.6	92%	158%
56	0	288	0.000000	0.5555%	0.3286%	1.6	0.9	0%	0%
57	7	363	0.019284	0.6099%	0.3697%	2.2	1.3	316%	522%
58	1	433	0.002309	0.6649%	0.4170%	2.9	1.8	35%	55%
59	3	605	0.004959	0.7167%	0.4716%	4.3	2.9	69%	105%
60	11	806	0.013648	0.7688%	0.5344%	6.2	4.3	178%	255%
61	11	983	0.011190	0.8602%	0.6062%	8.5	6.0	130%	185%
62	13	1,115	0.011659	0.9510%	0.6879%	10.6	7.7	123%	169%
63	17	1,273	0.013354	1.0504%	0.7802%	13.4	9.9	127%	171%
64	18	1,290	0.013953	1.1484%	0.8841%	14.8	11.4	122%	158%
65	15	1,406	0.010669	1.2497%	1.0008%	17.6	14.1	85%	107%
66	23	1,489	0.015447	1.3612%	1.1318%	20.3	16.9	113%	136%
67	21	1,484	0.014151	1.4697%	1.2790%	21.8	19.0	96%	111%
68	29	1,385	0.020939	1.6783%	1.4440%	23.2	20.0	125%	145%
69	24	1,303	0.018419	1.9020%	1.6298%	24.8	21.2	97%	113%
70	20	1,083	0.018467	2.1225%	1.8386%	23.0	19.9	87%	100%
71	20	930	0.021505	2.3603%	2.0735%	22.0	19.3	91%	104%
72	16	812	0.019704	2.6060%	2.3377%	21.2	19.0	76%	84%
73	18	689	0.026125	2.8981%	2.6348%	20.0	18.2	90%	99%
74	16	567	0.028219	3.1996%	2.9684%	18.1	16.8	88%	95%
75	23	475	0.048421	3.5280%	3.3425%	16.8	15.9	137%	145%
76	11	398	0.027638	3.8491%	3.7630%	15.3	15.0	72%	73%
77	21	337	0.062315	4.2010%	4.2342%	14.2	14.3	148%	147%
78	12	315	0.038095	4.7570%	4.7619%	15.0	15.0	80%	80%
79	19	294	0.064626	5.3344%	5.3544%	15.7	15.7	121%	121%
80	18	278	0.064748	5.9336%	6.0199%	16.5	16.7	109%	108%
81	16	251	0.063745	6.4475%	6.7668%	16.2	17.0	99%	94%
82	17	240	0.070833	6.9662%	7.6055%	16.7	18.3	102%	93%
83	14	210	0.066667	7.8743%	8.5482%	16.5	18.0	85%	78%
84	10	198	0.050505	8.8266%	9.6078%	17.5	19.0	57%	53%
85	18	174	0.103448	9.7390%	10.7988%	16.9	18.8	106%	96%
86	16	158	0.101266	10.6514%	12.1361%	16.8	19.2	95%	83%
87	11	128	0.085938	11.6222%	13.6376%	14.9	17.5	74%	63%
88	17	99	0.171717	13.1669%	15.3202%	13.0	15.2	130%	112%
89	12	75	0.160000	14.6527%	17.2052%	11.0	12.9	109%	93%
90	14	57	0.245614	16.2196%	19.3163%	9.2	11.0	151%	127%
91	3	27	0.111111	17.9487%	21.6797%	4.8	5.9	62%	51%
92	4	29	0.137931	19.7897%	24.3200%	5.7	7.1	70%	57%
93	4	18	0.222222	21.5444%	27.2626%	3.9	4.9	103%	82%
94	2	13	0.153846	23.3411%	30.5706%	3.0	4.0	66%	50%
95	1	8	0.125000	25.3405%	34.2977%	2.0	2.7	49%	36%
96	1	7	0.142857	27.2653%	38.5104%	1.9	2.7	52%	37%
97	2	4	0.500000	29.0978%	43.2408%	1.2	1.7	172%	116%
98	0	3	0.000000	31.0781%	48.5522%	0.9	1.5	0%	0%
99	0	4	0.000000	32.7280%	51.8074%	1.3	2.1	0%	0%
Subtotal	554	22,769				546.3	524.0	101%	106%
100 or more	1	2	0.500000	37.1685%	51.6818%	0.7	1.0	135%	97%
Total	555	22,771				547.0	525.1	101%	106%

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
WOMEN

TABLE 1B

10-YEAR PERIOD ENDING 6/30/2013

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	0.0683%	0.0967%	0	0	0%	0%
42	0	0	N/A	0.0758%	0.1614%	0	0	0%	0%
43	0	0	N/A	0.0851%	0.2261%	0	0	0%	0%
44	0	0	N/A	0.0964%	0.2903%	0	0	0%	0%
45	0	0	N/A	0.1094%	0.3539%	0	0	0%	0%
46	0	0	N/A	0.1245%	0.4165%	0	0	0%	0%
47	0	0	N/A	0.1411%	0.4781%	0	0	0%	0%
48	0	0	N/A	0.1599%	0.4991%	0	0	0%	0%
49	0	0	N/A	0.1801%	0.5195%	0	0	0%	0%
50	0	0	N/A	0.1931%	0.5390%	0	0	0%	0%
51	0	0	N/A	0.1970%	0.5579%	0	0	0%	0%
52	0	0	N/A	0.1967%	0.5760%	0	0	0%	0%
53	0	0	N/A	0.1958%	0.5938%	0	0	0%	0%
54	0	0	N/A	0.2425%	0.6119%	0	0	0%	0%
55	0	0	N/A	0.2825%	0.6310%	0	0	0%	0%
56	0	0	N/A	0.3231%	0.6515%	0	0	0%	0%
57	0	0	N/A	0.3656%	0.6738%	0	0	0%	0%
58	0	0	N/A	0.3999%	0.7354%	0	0	0%	0%
59	0	0	N/A	0.4501%	0.7991%	0	0	0%	0%
60	0	0	N/A	0.5023%	0.8653%	0	0	0%	0%
61	0	0	N/A	0.5566%	0.9332%	0	0	0%	0%
62	0	2	0.000000	0.5999%	1.0025%	0.0	0.0	0%	0%
63	0	2	0.000000	0.6435%	1.1496%	0.0	0.0	0%	0%
64	0	3	0.000000	0.7318%	1.2977%	0.0	0.0	0%	0%
65	0	3	0.000000	0.8091%	1.4463%	0.0	0.0	0%	0%
66	0	3	0.000000	0.9083%	1.5949%	0.0	0.0	0%	0%
67	0	3	0.000000	0.9930%	1.7437%	0.0	0.1	0%	0%
68	0	3	0.000000	1.0806%	2.0106%	0.0	0.1	0%	0%
69	0	5	0.000000	1.1963%	2.2784%	0.1	0.1	0%	0%
70	0	3	0.000000	1.2916%	2.5464%	0.0	0.1	0%	0%
71	0	6	0.000000	1.4748%	2.8147%	0.1	0.2	0%	0%
72	0	2	0.000000	1.6713%	3.0831%	0.0	0.1	0%	0%
73	0	4	0.000000	1.8648%	3.5112%	0.1	0.1	0%	0%
74	0	3	0.000000	2.0738%	3.9388%	0.1	0.1	0%	0%
75	1	3	0.333333	2.3268%	4.3649%	0.1	0.1	1433%	764%
76	0	2	0.000000	2.5877%	4.7904%	0.1	0.1	0%	0%
77	0	5	0.000000	2.8111%	5.2134%	0.1	0.3	0%	0%
78	0	1	0.000000	3.1504%	5.8330%	0.0	0.1	0%	0%
79	0	3	0.000000	3.4372%	6.4503%	0.1	0.2	0%	0%
80	0	1	0.000000	3.8127%	7.0656%	0.0	0.1	0%	0%
81	0	2	0.000000	4.3879%	7.6779%	0.1	0.2	0%	0%
82	0	2	0.000000	5.0008%	8.2878%	0.1	0.2	0%	0%
83	1	2	0.500000	5.6532%	9.1341%	0.1	0.2	884%	547%
84	0	1	0.000000	6.2429%	9.9780%	0.1	0.1	0%	0%
85	0	1	0.000000	6.7453%	10.8194%	0.1	0.1	0%	0%
86	0	1	0.000000	7.5029%	11.6572%	0.1	0.1	0%	0%
87	0	1	0.000000	8.4107%	12.4912%	0.1	0.1	0%	0%
88	1	2	0.500000	9.2801%	13.5940%	0.2	0.3	539%	368%
89	0	0	N/A	9.9879%	14.6881%	0	0	0%	0%
90	0	0	N/A	11.0751%	15.7723%	0	0	0%	0%
91	0	0	N/A	12.7505%	16.8458%	0	0	0%	0%
92	0	0	N/A	14.1894%	17.9039%	0	0	0%	0%
93	0	0	N/A	15.7073%	19.2517%	0	0	0%	0%
94	0	0	N/A	17.3818%	20.5947%	0	0	0%	0%
95	1	1	1.000000	19.1869%	21.9385%	0.2	0.2	521%	456%
96	0	0	N/A	20.4729%	23.2924%	0	0	0%	0%
97	0	0	N/A	21.7468%	24.6395%	0	0	0%	0%
98	0	0	N/A	22.6515%	26.3243%	0	0	0%	0%
99	0	0	N/A	23.2784%	28.0036%	0	0	0%	0%
Subtotal	4	70				1.9	3.2	208%	124%
100 or more	0	0	N/A	25.4498%	33.2252%	0	0	0%	0%
Total	4	70				1.9	3.2	208%	124%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
MEN AND WOMEN**

TABLE 1C

10-YEAR PERIOD ENDING 6/30/2013

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	0.0000%	0.0000%	0	0	0%	0%
42	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
43	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
44	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
45	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
46	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
47	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
48	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
49	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
50	0	19	0.000000	0.2158%	0.1858%	0.0	0.0	0%	0%
51	1	50	0.020000	0.2807%	0.2005%	0.1	0.1	713%	997%
52	1	84	0.011905	0.3432%	0.2179%	0.3	0.2	347%	546%
53	1	122	0.008197	0.4054%	0.2385%	0.5	0.3	202%	344%
54	1	174	0.005747	0.4662%	0.2633%	0.8	0.5	123%	218%
55	1	216	0.004630	0.5017%	0.2930%	1.1	0.6	92%	158%
56	0	288	0.000000	0.5555%	0.3286%	1.6	0.9	0%	0%
57	7	363	0.019284	0.6099%	0.3697%	2.2	1.3	316%	522%
58	1	433	0.002309	0.6649%	0.4170%	2.9	1.8	35%	55%
59	3	605	0.004959	0.7167%	0.4716%	4.3	2.9	69%	105%
60	11	806	0.013648	0.7688%	0.5344%	6.2	4.3	178%	255%
61	11	983	0.011190	0.8602%	0.6062%	8.5	6.0	130%	185%
62	13	1,117	0.011638	0.9504%	0.6885%	10.6	7.7	122%	169%
63	17	1,275	0.013333	1.0498%	0.7808%	13.4	10.0	127%	171%
64	18	1,293	0.013921	1.1474%	0.8851%	14.8	11.4	121%	157%
65	15	1,409	0.010646	1.2488%	1.0017%	17.6	14.1	85%	106%
66	23	1,492	0.015416	1.3603%	1.1327%	20.3	16.9	113%	136%
67	21	1,487	0.014122	1.4687%	1.2799%	21.8	19.0	96%	110%
68	29	1,388	0.020893	1.6770%	1.4452%	23.3	20.1	125%	145%
69	24	1,308	0.018349	1.8993%	1.6323%	24.8	21.4	97%	112%
70	20	1,086	0.018416	2.1202%	1.8406%	23.0	20.0	87%	100%
71	20	936	0.021368	2.3546%	2.0783%	22.0	19.5	91%	103%
72	16	814	0.019656	2.6037%	2.3396%	21.2	19.0	75%	84%
73	18	693	0.025974	2.8921%	2.6398%	20.0	18.3	90%	98%
74	16	570	0.028070	3.1937%	2.9735%	18.2	16.9	88%	94%
75	24	478	0.050209	3.5205%	3.3489%	16.8	16.0	143%	150%
76	11	400	0.027500	3.8428%	3.7681%	15.4	15.1	72%	73%
77	21	342	0.061404	4.1807%	4.2485%	14.3	14.5	147%	145%
78	12	316	0.037975	4.7519%	4.7653%	15.0	15.1	80%	80%
79	19	297	0.063973	5.3152%	5.3654%	15.8	15.9	120%	119%
80	18	279	0.064516	5.9260%	6.0236%	16.5	16.8	109%	107%
81	16	253	0.063241	6.4312%	6.7740%	16.3	17.1	98%	93%
82	17	242	0.070248	6.9500%	7.6112%	16.8	18.4	101%	92%
83	15	212	0.070755	7.8533%	8.5538%	16.6	18.1	90%	83%
84	10	199	0.050251	8.8136%	9.6097%	17.5	19.1	57%	52%
85	18	175	0.102857	9.7219%	10.7989%	17.0	18.9	106%	95%
86	16	159	0.100629	10.6316%	12.1331%	16.9	19.3	95%	83%
87	11	129	0.085271	11.5973%	13.6287%	15.0	17.6	74%	63%
88	18	101	0.178218	13.0899%	15.2861%	13.2	15.4	136%	117%
89	12	75	0.160000	14.6527%	17.2052%	11.0	12.9	109%	93%
90	14	57	0.245614	16.2196%	19.3163%	9.2	11.0	151%	127%
91	3	27	0.111111	17.9487%	21.6797%	4.8	5.9	62%	51%
92	4	29	0.137931	19.7897%	24.3200%	5.7	7.1	70%	57%
93	4	18	0.222222	21.5444%	27.2626%	3.9	4.9	103%	82%
94	2	13	0.153846	23.3411%	30.5706%	3.0	4.0	66%	50%
95	2	9	0.222222	24.6568%	32.9244%	2.2	3.0	90%	67%
96	1	7	0.142857	27.2653%	38.5104%	1.9	2.7	52%	37%
97	2	4	0.500000	29.0978%	43.2408%	1.2	1.7	172%	116%
98	0	3	0.000000	31.0781%	48.5522%	0.9	1.5	0%	0%
99	0	4	0.000000	32.7280%	51.8074%	1.3	2.1	0%	0%
Subtotal	558	22,839				548.2	527.2	102%	106%
100 or more	1	2	0.500000	37.1685%	51.6818%	0.7	1.0	135%	97%
Total	559	22,841				549.0	528.3	102%	106%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
MEN**

TABLE 1A GROUPED

10-YEAR PERIOD ENDING 6/30/2013

<u>Age</u> (1)	<u>Actual Deaths</u> (2)	<u>Total Exposed</u> (3)	<u>Actual Rate</u> (2) / (3) (4)	<u>Assumed Probability</u>		<u>Expected Deaths</u>		<u>Actual/Expected</u>	
				<u>Current</u> (7) / (3) (5)	<u>Proposed</u> (8) / (3) (6)	<u>Current</u> (7)	<u>Proposed</u> (8)	<u>Current</u> (2) / (7) (9)	<u>Proposed</u> (2) / (8) (10)
41-44	0	0	N/A			0	0	0%	0%
45-49	0	0	N/A			0	0	0%	0%
50-54	4	449	0.008909	0.3954%	0.2378%	1.8	1.1	225%	375%
55-59	12	1,905	0.006299	0.6358%	0.3979%	12.1	7.6	99%	158%
60-64	70	5,467	0.012804	0.9775%	0.7184%	53.4	39.3	131%	178%
65-69	112	7,067	0.015848	1.5237%	1.2896%	107.7	91.1	104%	123%
70-74	90	4,081	0.022053	2.5535%	2.2828%	104.2	93.2	86%	97%
75-79	86	1,819	0.047279	4.2277%	4.1707%	76.9	75.9	112%	113%
80-84	75	1,177	0.063721	7.0867%	7.5572%	83.4	88.9	90%	84%
85-89	74	634	0.116719	11.4631%	13.1691%	72.7	83.5	102%	89%
90-94	27	144	0.187500	18.5713%	22.7764%	26.7	32.8	101%	82%
95-99	4	26	0.153846	28.2353%	41.1463%	7.3	10.7	54%	37%
100+	1	2	0.500000	37.1685%	51.6818%	0.7	1.0	135%	97%
Total	555	22,771				547.0	525.1	101%	106%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
WOMEN**

TABLE 1B GROUPED

10-YEAR PERIOD ENDING 6/30/2013

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Rate		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	0%	0%
45-49	0	0	N/A			0	0	0%	0%
50-54	0	0	N/A			0	0	0%	0%
55-59	0	0	N/A			0	0	0%	0%
60-64	0	7	0.000000	0.6689%	1.1710%	0.0	0.1	0%	0%
65-69	0	17	0.000000	1.0209%	1.8693%	0.2	0.3	0%	0%
70-74	0	18	0.000000	1.6526%	3.1419%	0.3	0.6	0%	0%
75-79	1	14	0.071429	2.8338%	5.2804%	0.4	0.7	252%	135%
80-84	1	8	0.125000	5.0174%	8.4054%	0.4	0.7	249%	149%
85-89	1	5	0.200000	8.2438%	12.4312%	0.4	0.6	243%	161%
90-94	0	0	N/A			0	0	0%	0%
95-99	1	1	1.000000	19.1869%	21.9385%	0.2	0.2	521%	456%
100+	0	0	N/A			0	0	0%	0%
Total	4	70				1.9	3.2	208%	124%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
MEN AND WOMEN**

TABLE 1C GROUPED

Age (1)	Actual Deaths (2)	Total Exposed (3)	Actual Rate (2) / (3) (4)	Assumed Rate		10-YEAR PERIOD ENDING 6/30/2013 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	0%	0%
45-49	0	0	N/A			0	0	0%	0%
50-54	4	449	0.008909	0.3954%	0.2378%	1.8	1.1	225%	375%
55-59	12	1,905	0.006299	0.6358%	0.3979%	12.1	7.6	99%	158%
60-64	70	5,474	0.012788	0.9771%	0.7190%	53.5	39.4	131%	178%
65-69	112	7,084	0.015810	1.5225%	1.2910%	107.9	91.5	104%	122%
70-74	90	4,099	0.021957	2.5495%	2.2866%	104.5	93.7	86%	96%
75-79	87	1,833	0.047463	4.2171%	4.1791%	77.3	76.6	113%	114%
80-84	76	1,185	0.064135	7.0727%	7.5629%	83.8	89.6	91%	85%
85-89	75	639	0.117371	11.4379%	13.1633%	73.1	84.1	103%	89%
90-94	27	144	0.187500	18.5713%	22.7764%	26.7	32.8	101%	82%
95-99	5	27	0.185185	27.9002%	40.4349%	7.5	10.9	66%	46%
100+	1	2	0.500000	37.1685%	51.6818%	0.7	1.0	135%	97%
Total	559	22,841				549.0	528.3	102%	106%

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF SERVICE RETIREES
MEN AND WOMEN

Plan Year Ending June 30, (1)	TABLE 1D Life Years Exposed (2)	10-YEAR PERIOD ENDING 6/30/2013				
		Actual Deaths (3)	Expected Deaths (4)	Actual / Expected (5)	Mortality Rate	
					Actual (3) / (2) (6)	Expected (4) / (2) (7)
2004	2,531	49	36.1	136%	1.9360%	1.4279%
2005	2,482	54	38.0	142%	2.1757%	1.5293%
2006	2,428	55	40.2	137%	2.2652%	1.6558%
2007	2,373	51	43.0	119%	2.1492%	1.8108%
2008	2,321	52	45.5	114%	2.2404%	1.9616%
2009	2,268	54	48.0	113%	2.3810%	2.1157%
2010	2,213	65	50.4	129%	2.9372%	2.2766%
2011	2,134	56	51.9	108%	2.6242%	2.4302%
2012	2,078	61	48.7	125%	2.9355%	2.3439%
2013	2,013	62	55.6	112%	3.0800%	2.7621%
Total	22,841	559	457.3	122%	2.4474%	2.0022%

*The total exposures and actuals shown above include experience at all age ranges. I.e. ages under 41.

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
MEN

TABLE 2A

4-YEAR PERIOD ENDING 6/30/2013

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	5	0.000000	0.1831%	0.0891%	0.0	0.0	0%	0%
42	0	9	0.000000	0.1997%	0.1482%	0.0	0.0	0%	0%
43	0	7	0.000000	0.2159%	0.2073%	0.0	0.0	0%	0%
44	0	9	0.000000	0.2319%	0.2663%	0.0	0.0	0%	0%
45	1	30	0.033333	0.2476%	0.3254%	0.1	0.1	1346%	1024%
46	0	45	0.000000	0.2543%	0.3844%	0.1	0.2	0%	0%
47	0	52	0.000000	0.2597%	0.4435%	0.1	0.2	0%	0%
48	1	46	0.021739	0.2639%	0.4658%	0.1	0.2	824%	467%
49	0	75	0.000000	0.3334%	0.4882%	0.3	0.4	0%	0%
50	0	72	0.000000	0.3956%	0.5105%	0.3	0.4	0%	0%
51	0	80	0.000000	0.4504%	0.5328%	0.4	0.4	0%	0%
52	0	78	0.000000	0.4983%	0.5551%	0.4	0.4	0%	0%
53	1	74	0.013514	0.5168%	0.5775%	0.4	0.4	261%	234%
54	0	72	0.000000	0.5434%	0.6000%	0.4	0.4	0%	0%
55	0	56	0.000000	0.5949%	0.6224%	0.3	0.3	0%	0%
56	1	78	0.012821	0.6505%	0.6448%	0.5	0.5	197%	199%
57	1	72	0.013889	0.6920%	0.6672%	0.5	0.5	201%	208%
58	1	103	0.009709	0.7324%	0.7265%	0.8	0.7	133%	134%
59	2	82	0.024390	0.8330%	0.7858%	0.7	0.6	293%	310%
60	0	105	0.000000	0.9209%	0.8451%	1.0	0.9	0%	0%
61	0	107	0.000000	1.0203%	0.9044%	1.1	1.0	0%	0%
62	1	137	0.007299	1.1155%	0.9637%	1.5	1.3	65%	76%
63	3	129	0.023256	1.1979%	1.0967%	1.5	1.4	194%	212%
64	4	145	0.027586	1.3262%	1.2297%	1.9	1.8	208%	224%
65	4	227	0.017621	1.4319%	1.3628%	3.3	3.1	123%	129%
66	5	290	0.017241	1.5878%	1.4958%	4.6	4.3	109%	115%
67	6	318	0.018868	1.7994%	1.6288%	5.7	5.2	105%	116%
68	6	331	0.018127	2.0018%	1.8723%	6.6	6.2	91%	97%
69	6	296	0.020270	2.2261%	2.1159%	6.6	6.3	91%	96%
70	5	262	0.019084	2.4904%	2.3594%	6.5	6.2	77%	81%
71	1	211	0.004739	2.7697%	2.6030%	5.8	5.5	17%	18%
72	6	191	0.031414	3.0577%	2.8465%	5.8	5.4	103%	110%
73	7	177	0.039548	3.4268%	3.2374%	6.1	5.7	115%	122%
74	4	160	0.025000	3.7387%	3.6283%	6.0	5.8	67%	69%
75	5	114	0.043860	4.0928%	4.0191%	4.7	4.6	107%	109%
76	2	79	0.025316	4.7102%	4.4100%	3.7	3.5	54%	57%
77	2	63	0.031746	5.2979%	4.8009%	3.3	3.0	60%	66%
78	3	51	0.058824	5.9107%	5.3759%	3.0	2.7	100%	109%
79	5	48	0.104167	6.4420%	5.9510%	3.1	2.9	162%	175%
80	2	44	0.045455	6.9811%	6.5260%	3.1	2.9	65%	70%
81	0	18	0.000000	7.7883%	7.1011%	1.4	1.3	0%	0%
82	4	44	0.090909	8.7565%	7.6761%	3.9	3.4	104%	118%
83	3	27	0.111111	9.6617%	8.4721%	2.6	2.3	115%	131%
84	2	33	0.060606	10.4293%	9.2681%	3.4	3.1	58%	65%
85	4	29	0.137931	11.5646%	10.0641%	3.4	2.9	119%	137%
86	4	21	0.190476	13.3141%	10.8601%	2.8	2.3	143%	175%
87	1	20	0.050000	14.6239%	11.6561%	2.9	2.3	34%	43%
88	2	10	0.200000	16.2364%	12.7099%	1.6	1.3	123%	157%
89	3	13	0.230769	17.9673%	13.7637%	2.3	1.8	128%	168%
90	1	2	0.500000	19.8697%	14.8175%	0.4	0.3	252%	337%
91	2	7	0.285714	21.6314%	15.8713%	1.5	1.1	132%	180%
92	0	2	0.000000	23.1317%	16.9251%	0.5	0.3	0%	0%
93	0	1	0.000000	25.5192%	18.2735%	0.3	0.2	0%	0%
94	1	4	0.250000	27.4576%	19.6219%	1.1	0.8	91%	127%
95	0	2	0.000000	28.9236%	20.9703%	0.6	0.4	0%	0%
96	0	1	0.000000	31.3910%	22.3186%	0.3	0.2	0%	0%
97	0	1	0.000000	33.0576%	23.6670%	0.3	0.2	0%	0%
98	0	0	N/A	34.0444%	25.3468%	0	0	0%	0%
99	0	0	N/A	36.3323%	27.0267%	0	0	0%	0%
Subtotal	112	4,765				119.6	109.8	94%	102%
100 or more	0	0	N/A	39.2003%	32.0661%	0	0	0%	0%
Total	112	4,765				119.6	109.8	94%	102%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
WOMEN**

TABLE 2B

4-YEAR PERIOD ENDING 6/30/2013

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	0.0813%	0.0891%	0	0	0%	0%
42	0	1	0.000000	0.0921%	0.1482%	0.0	0.0	0%	0%
43	0	5	0.000000	0.1050%	0.2073%	0.0	0.0	0%	0%
44	0	8	0.000000	0.1201%	0.2663%	0.0	0.0	0%	0%
45	0	6	0.000000	0.1358%	0.3254%	0.0	0.0	0%	0%
46	0	6	0.000000	0.1527%	0.3844%	0.0	0.0	0%	0%
47	0	7	0.000000	0.1706%	0.4435%	0.0	0.0	0%	0%
48	0	12	0.000000	0.1906%	0.4658%	0.0	0.1	0%	0%
49	0	14	0.000000	0.2149%	0.4882%	0.0	0.1	0%	0%
50	0	12	0.000000	0.2431%	0.5105%	0.0	0.1	0%	0%
51	0	16	0.000000	0.2639%	0.5328%	0.0	0.1	0%	0%
52	0	14	0.000000	0.3093%	0.5551%	0.0	0.1	0%	0%
53	0	9	0.000000	0.3486%	0.5775%	0.0	0.1	0%	0%
54	0	16	0.000000	0.4000%	0.6000%	0.1	0.1	0%	0%
55	0	8	0.000000	0.4254%	0.6224%	0.0	0.0	0%	0%
56	0	6	0.000000	0.4297%	0.6448%	0.0	0.0	0%	0%
57	0	4	0.000000	0.4460%	0.6672%	0.0	0.0	0%	0%
58	0	3	0.000000	0.4948%	0.7265%	0.0	0.0	0%	0%
59	0	1	0.000000	0.5483%	0.7858%	0.0	0.0	0%	0%
60	0	3	0.000000	0.5910%	0.8451%	0.0	0.0	0%	0%
61	0	1	0.000000	0.6339%	0.9044%	0.0	0.0	0%	0%
62	0	3	0.000000	0.7209%	0.9637%	0.0	0.0	0%	0%
63	0	0	N/A	0.7970%	1.0967%	0	0	0%	0%
64	0	2	0.000000	0.8947%	1.2297%	0.0	0.0	0%	0%
65	0	4	0.000000	0.9782%	1.3628%	0.0	0.1	0%	0%
66	0	4	0.000000	1.0645%	1.4958%	0.0	0.1	0%	0%
67	0	3	0.000000	1.1784%	1.6288%	0.0	0.0	0%	0%
68	0	7	0.000000	1.2724%	1.8723%	0.1	0.1	0%	0%
69	0	2	0.000000	1.4296%	2.1159%	0.0	0.0	0%	0%
70	0	2	0.000000	1.6201%	2.3594%	0.0	0.0	0%	0%
71	0	1	0.000000	1.8022%	2.6030%	0.0	0.0	0%	0%
72	0	0	N/A	2.0041%	2.8465%	0	0	0%	0%
73	0	0	N/A	2.2419%	3.2374%	0	0	0%	0%
74	0	0	N/A	2.4932%	3.6283%	0	0	0%	0%
75	0	0	N/A	2.7888%	4.0191%	0	0	0%	0%
76	0	0	N/A	3.1254%	4.4100%	0	0	0%	0%
77	0	1	0.000000	3.3655%	4.8009%	0.0	0.0	0%	0%
78	0	2	0.000000	3.7332%	5.3759%	0.1	0.1	0%	0%
79	0	0	N/A	4.2964%	5.9510%	0	0	0%	0%
80	0	1	0.000000	4.8965%	6.5260%	0.0	0.1	0%	0%
81	0	0	N/A	5.5353%	7.1011%	0	0	0%	0%
82	0	0	N/A	6.1127%	7.6761%	0	0	0%	0%
83	0	0	N/A	6.7119%	8.4721%	0	0	0%	0%
84	0	0	N/A	7.5868%	9.2681%	0	0	0%	0%
85	0	0	N/A	8.5302%	10.0641%	0	0	0%	0%
86	0	0	N/A	9.2897%	10.8601%	0	0	0%	0%
87	0	0	N/A	10.0282%	11.6561%	0	0	0%	0%
88	0	0	N/A	11.1199%	12.7099%	0	0	0%	0%
89	0	0	N/A	12.6361%	13.7637%	0	0	0%	0%
90	0	0	N/A	14.0621%	14.8175%	0	0	0%	0%
91	0	0	N/A	15.8180%	15.8713%	0	0	0%	0%
92	0	0	N/A	17.0938%	16.9251%	0	0	0%	0%
93	0	0	N/A	18.4000%	18.2735%	0	0	0%	0%
94	0	0	N/A	19.6185%	19.6219%	0	0	0%	0%
95	0	0	N/A	20.7285%	20.9703%	0	0	0%	0%
96	0	0	N/A	21.7157%	22.3186%	0	0	0%	0%
97	0	0	N/A	22.7838%	23.6670%	0	0	0%	0%
98	0	0	N/A	23.3830%	25.3468%	0	0	0%	0%
99	0	0	N/A	23.7058%	27.0267%	0	0	0%	0%
Subtotal	0	184				0.9	1.5	0%	0%
100 or more	0	0	N/A	25.4498%	32.0661%	0	0	0%	0%
Total	0	184				0.9	1.5	0%	0%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
MEN AND WOMEN**

TABLE 2C

4-YEAR PERIOD ENDING 6/30/2013

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	5	0.000000	0.1831%	0.0891%	0.0	0.0	0%	0%
42	0	10	0.000000	0.1889%	0.1482%	0.0	0.0	0%	0%
43	0	12	0.000000	0.1697%	0.2073%	0.0	0.0	0%	0%
44	0	17	0.000000	0.1793%	0.2663%	0.0	0.0	0%	0%
45	1	36	0.027778	0.2290%	0.3254%	0.1	0.1	1213%	854%
46	0	51	0.000000	0.2423%	0.3844%	0.1	0.2	0%	0%
47	0	59	0.000000	0.2491%	0.4435%	0.1	0.3	0%	0%
48	1	58	0.017241	0.2487%	0.4658%	0.1	0.3	693%	370%
49	0	89	0.000000	0.3148%	0.4882%	0.3	0.4	0%	0%
50	0	84	0.000000	0.3738%	0.5105%	0.3	0.4	0%	0%
51	0	96	0.000000	0.4193%	0.5328%	0.4	0.5	0%	0%
52	0	92	0.000000	0.4695%	0.5551%	0.4	0.5	0%	0%
53	1	83	0.012048	0.4986%	0.5775%	0.4	0.5	242%	209%
54	0	88	0.000000	0.5173%	0.6000%	0.5	0.5	0%	0%
55	0	64	0.000000	0.5737%	0.6224%	0.4	0.4	0%	0%
56	1	84	0.011905	0.6347%	0.6448%	0.5	0.5	188%	185%
57	1	76	0.013158	0.6791%	0.6672%	0.5	0.5	194%	197%
58	1	106	0.009434	0.7257%	0.7265%	0.8	0.8	130%	130%
59	2	83	0.024096	0.8296%	0.7858%	0.7	0.7	290%	307%
60	0	108	0.000000	0.9117%	0.8451%	1.0	0.9	0%	0%
61	0	108	0.000000	1.0167%	0.9044%	1.1	1.0	0%	0%
62	1	140	0.007143	1.1070%	0.9637%	1.5	1.3	65%	74%
63	3	129	0.023256	1.1979%	1.0967%	1.5	1.4	194%	212%
64	4	147	0.027211	1.3203%	1.2297%	1.9	1.8	206%	221%
65	4	231	0.017316	1.4240%	1.3628%	3.3	3.1	122%	127%
66	5	294	0.017007	1.5807%	1.4958%	4.6	4.4	108%	114%
67	6	321	0.018692	1.7936%	1.6288%	5.8	5.2	104%	115%
68	6	338	0.017751	1.9867%	1.8723%	6.7	6.3	89%	95%
69	6	298	0.020134	2.2208%	2.1159%	6.6	6.3	91%	95%
70	5	264	0.018939	2.4838%	2.3594%	6.6	6.2	76%	80%
71	1	212	0.004717	2.7651%	2.6030%	5.9	5.5	17%	18%
72	6	191	0.031414	3.0577%	2.8465%	5.8	5.4	103%	110%
73	7	177	0.039548	3.4268%	3.2374%	6.1	5.7	115%	122%
74	4	160	0.025000	3.7387%	3.6283%	6.0	5.8	67%	69%
75	5	114	0.043860	4.0928%	4.0191%	4.7	4.6	107%	109%
76	2	79	0.025316	4.7102%	4.4100%	3.7	3.5	54%	57%
77	2	64	0.031250	5.2677%	4.8009%	3.4	3.1	59%	65%
78	3	53	0.056604	5.8285%	5.3759%	3.1	2.8	97%	105%
79	5	48	0.104167	6.4420%	5.9510%	3.1	2.9	162%	175%
80	2	45	0.044444	6.9348%	6.5260%	3.1	2.9	64%	68%
81	0	18	0.000000	7.7883%	7.1011%	1.4	1.3	0%	0%
82	4	44	0.090909	8.7565%	7.6761%	3.9	3.4	104%	118%
83	3	27	0.111111	9.6617%	8.4721%	2.6	2.3	115%	131%
84	2	33	0.060606	10.4293%	9.2681%	3.4	3.1	58%	65%
85	4	29	0.137931	11.5646%	10.0641%	3.4	2.9	119%	137%
86	4	21	0.190476	13.3141%	10.8601%	2.8	2.3	143%	175%
87	1	20	0.050000	14.6239%	11.6561%	2.9	2.3	34%	43%
88	2	10	0.200000	16.2364%	12.7099%	1.6	1.3	123%	157%
89	3	13	0.230769	17.9673%	13.7637%	2.3	1.8	128%	168%
90	1	2	0.500000	19.8697%	14.8175%	0.4	0.3	252%	337%
91	2	7	0.285714	21.6314%	15.8713%	1.5	1.1	132%	180%
92	0	2	0.000000	23.1317%	16.9251%	0.5	0.3	0%	0%
93	0	1	0.000000	25.5192%	18.2735%	0.3	0.2	0%	0%
94	1	4	0.250000	27.4576%	19.6219%	1.1	0.8	91%	127%
95	0	2	0.000000	28.9236%	20.9703%	0.6	0.4	0%	0%
96	0	1	0.000000	31.3910%	22.3186%	0.3	0.2	0%	0%
97	0	1	0.000000	33.0576%	23.6670%	0.3	0.2	0%	0%
98	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
99	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
Subtotal	112	4,949				120.6	111.3	93%	101%
100 or more	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
Total	112	4,949				120.6	111.3	93%	101%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
MEN**

TABLE 2A GROUPED

4-YEAR PERIOD ENDING 6/30/2013

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	30	0.000000	0.2104%	0.1876%	0.1	0.1	0%	0%
45-49	2	248	0.008065	0.2803%	0.4361%	0.7	1.1	288%	185%
50-54	1	376	0.002660	0.4807%	0.5548%	1.8	2.1	55%	48%
55-59	5	391	0.012788	0.7100%	0.6968%	2.8	2.7	180%	184%
60-64	8	623	0.012841	1.1325%	1.0230%	7.1	6.4	113%	126%
65-69	27	1,462	0.018468	1.8326%	1.7149%	26.8	25.1	101%	108%
70-74	23	1,001	0.022977	3.0226%	2.8617%	30.3	28.6	76%	80%
75-79	17	355	0.047887	5.0229%	4.7010%	17.8	16.7	95%	102%
80-84	11	166	0.066265	8.6607%	7.7549%	14.4	12.9	77%	85%
85-89	14	93	0.150538	14.0149%	11.3879%	13.0	10.6	107%	132%
90-94	4	16	0.250000	23.2983%	16.9591%	3.7	2.7	107%	147%
95-99	0	4	0.000000	30.5740%	21.9815%	1.2	0.9	0%	0%
100+	0	0	N/A			0	0	0%	0%
Total	112	4,765				119.6	109.8	94%	102%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
WOMEN**

TABLE 2B GROUPED

4-YEAR PERIOD ENDING 6/30/2013

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	14	0.000000	0.1127%	0.2368%	0.0	0.0	0%	0%
45-49	0	45	0.000000	0.1827%	0.4397%	0.1	0.2	0%	0%
50-54	0	67	0.000000	0.3135%	0.5555%	0.2	0.4	0%	0%
55-59	0	22	0.000000	0.4454%	0.6583%	0.1	0.1	0%	0%
60-64	0	9	0.000000	0.7066%	0.9767%	0.1	0.1	0%	0%
65-69	0	20	0.000000	1.1736%	1.6829%	0.2	0.3	0%	0%
70-74	0	3	0.000000	1.6808%	2.4406%	0.1	0.1	0%	0%
75-79	0	3	0.000000	3.6106%	5.1843%	0.1	0.2	0%	0%
80-84	0	1	0.000000	4.8965%	6.5260%	0.0	0.1	0%	0%
85-89	0	0	N/A			0	0	0%	0%
90-94	0	0	N/A			0	0	0%	0%
95-99	0	0	N/A			0	0	0%	0%
100+	0	0	N/A			0	0	0%	0%
Total	0	184				0.9	1.5	0%	0%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
MEN AND WOMEN**

TABLE 2C GROUPED

4-YEAR PERIOD ENDING 6/30/2013

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	44	0.000000	0.1793%	0.2032%	0.1	0.1	0%	0%
45-49	2	293	0.006826	0.2653%	0.4367%	0.8	1.3	257%	156%
50-54	1	443	0.002257	0.4554%	0.5549%	2.0	2.5	50%	41%
55-59	5	413	0.012107	0.6959%	0.6947%	2.9	2.9	174%	174%
60-64	8	632	0.012658	1.1264%	1.0223%	7.1	6.5	112%	124%
65-69	27	1,482	0.018219	1.8237%	1.7144%	27.0	25.4	100%	106%
70-74	23	1,004	0.022908	3.0186%	2.8605%	30.3	28.7	76%	80%
75-79	17	358	0.047486	5.0110%	4.7050%	17.9	16.8	95%	101%
80-84	11	167	0.065868	8.6382%	7.7475%	14.4	12.9	76%	85%
85-89	14	93	0.150538	14.0149%	11.3879%	13.0	10.6	107%	132%
90-94	4	16	0.250000	23.2983%	16.9591%	3.7	2.7	107%	147%
95-99	0	4	0.000000	30.5740%	21.9815%	1.2	0.9	0%	0%
100+	0	0	N/A			0	0	0%	0%
Total	112	4,949				120.6	111.3	93%	101%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
MEN**

TABLE 2A

10-YEAR PERIOD ENDING 6/30/2013

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	56	0.000000	0.1881%	0.0967%	0.1	0.1	0%	0%
42	0	74	0.000000	0.2058%	0.1614%	0.2	0.1	0%	0%
43	0	94	0.000000	0.2232%	0.2261%	0.2	0.2	0%	0%
44	0	112	0.000000	0.2404%	0.2903%	0.3	0.3	0%	0%
45	1	139	0.007194	0.2576%	0.3539%	0.4	0.5	279%	203%
46	0	151	0.000000	0.2653%	0.4165%	0.4	0.6	0%	0%
47	0	175	0.000000	0.2718%	0.4781%	0.5	0.8	0%	0%
48	1	162	0.006173	0.2770%	0.4991%	0.4	0.8	223%	124%
49	2	190	0.010526	0.3510%	0.5195%	0.7	1.0	300%	203%
50	0	180	0.000000	0.4178%	0.5390%	0.8	1.0	0%	0%
51	1	199	0.005025	0.4771%	0.5579%	0.9	1.1	105%	90%
52	1	204	0.004902	0.5294%	0.5760%	1.1	1.2	93%	85%
53	1	204	0.004902	0.5490%	0.5938%	1.1	1.2	89%	83%
54	2	219	0.009132	0.5774%	0.6119%	1.3	1.3	158%	149%
55	0	220	0.000000	0.6301%	0.6310%	1.4	1.4	0%	0%
56	3	265	0.011321	0.6870%	0.6515%	1.8	1.7	165%	174%
57	1	257	0.003891	0.7285%	0.6738%	1.9	1.7	53%	58%
58	1	317	0.003155	0.7688%	0.7354%	2.4	2.3	41%	43%
59	4	363	0.011019	0.8743%	0.7991%	3.2	2.9	126%	138%
60	4	464	0.008621	0.9666%	0.8653%	4.5	4.0	89%	100%
61	3	517	0.005803	1.0676%	0.9332%	5.5	4.8	54%	62%
62	6	590	0.010169	1.1672%	1.0025%	6.9	5.9	87%	101%
63	7	624	0.011218	1.2497%	1.1496%	7.8	7.2	90%	98%
64	13	642	0.020249	1.3835%	1.2977%	8.9	8.3	146%	156%
65	8	677	0.011817	1.4938%	1.4463%	10.1	9.8	79%	82%
66	11	693	0.015873	1.6513%	1.5949%	11.4	11.1	96%	100%
67	17	680	0.025000	1.8714%	1.7437%	12.7	11.9	134%	143%
68	13	645	0.020155	2.0883%	2.0106%	13.5	13.0	97%	100%
69	12	555	0.021622	2.3223%	2.2784%	12.9	12.6	93%	95%
70	10	476	0.021008	2.6060%	2.5464%	12.4	12.1	81%	83%
71	9	395	0.022785	2.8981%	2.8147%	11.4	11.1	79%	81%
72	11	337	0.032641	3.1996%	3.0831%	10.8	10.4	102%	106%
73	12	293	0.040956	3.5857%	3.5112%	10.5	10.3	114%	117%
74	9	245	0.036735	3.9121%	3.9388%	9.6	9.6	94%	93%
75	6	191	0.031414	4.2697%	4.3649%	8.2	8.3	74%	72%
76	4	165	0.024242	4.9137%	4.7904%	8.1	7.9	49%	51%
77	12	146	0.082192	5.5100%	5.2134%	8.0	7.6	149%	158%
78	10	123	0.081301	6.1287%	5.8330%	7.5	7.2	133%	139%
79	6	105	0.057143	6.6593%	6.4503%	7.0	6.8	86%	89%
80	9	112	0.080357	7.1948%	7.0656%	8.1	7.9	112%	114%
81	4	79	0.050633	8.0024%	7.6779%	6.3	6.1	63%	66%
82	7	95	0.073684	8.9701%	8.2878%	8.5	7.9	82%	89%
83	6	71	0.084507	9.8973%	9.1341%	7.0	6.5	85%	93%
84	5	69	0.072464	10.6514%	9.9780%	7.3	6.9	68%	73%
85	9	58	0.155172	11.8109%	10.8194%	6.9	6.3	131%	143%
86	4	40	0.100000	13.5976%	11.6572%	5.4	4.7	74%	86%
87	4	37	0.108108	14.8903%	12.4912%	5.5	4.6	73%	87%
88	4	22	0.181818	16.4824%	13.5940%	3.6	3.0	110%	134%
89	5	21	0.238095	18.2395%	14.6881%	3.8	3.1	131%	162%
90	1	7	0.142857	20.1100%	15.7723%	1.4	1.1	71%	91%
91	3	10	0.300000	21.8931%	16.8458%	2.2	1.7	137%	178%
92	0	4	0.000000	23.3411%	17.9039%	0.9	0.7	0%	0%
93	0	2	0.000000	25.7503%	19.2517%	0.5	0.4	0%	0%
94	1	4	0.250000	27.7062%	20.5947%	1.1	0.8	90%	121%
95	0	2	0.000000	29.0978%	21.9385%	0.6	0.4	0%	0%
96	0	1	0.000000	31.5801%	23.2924%	0.3	0.2	0%	0%
97	0	1	0.000000	33.2567%	24.6395%	0.3	0.2	0%	0%
98	0	0	N/A	34.1468%	26.3243%	0	0	0%	0%
99	0	0	N/A	36.4415%	28.0036%	0	0	0%	0%
Subtotal	263	12,779				276.6	262.8	95%	100%
100 or more	0	0	N/A	39.2003%	33.2252%	0	0	0%	0%
Total	263	12,779				276.6	262.8	95%	100%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
WOMEN**

TABLE 2B

10-YEAR PERIOD ENDING 6/30/2013

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	11	0.000000	0.0851%	0.0967%	0.0	0.0	0%	0%
42	0	16	0.000000	0.0964%	0.1614%	0.0	0.0	0%	0%
43	0	20	0.000000	0.1099%	0.2261%	0.0	0.0	0%	0%
44	0	24	0.000000	0.1257%	0.2903%	0.0	0.1	0%	0%
45	0	27	0.000000	0.1425%	0.3539%	0.0	0.1	0%	0%
46	0	27	0.000000	0.1608%	0.4165%	0.0	0.1	0%	0%
47	0	29	0.000000	0.1801%	0.4781%	0.1	0.1	0%	0%
48	1	32	0.031250	0.2013%	0.4991%	0.1	0.2	1552%	626%
49	0	31	0.000000	0.2269%	0.5195%	0.1	0.2	0%	0%
50	0	26	0.000000	0.2559%	0.5390%	0.1	0.1	0%	0%
51	0	26	0.000000	0.2770%	0.5579%	0.1	0.1	0%	0%
52	0	23	0.000000	0.3227%	0.5760%	0.1	0.1	0%	0%
53	0	15	0.000000	0.3615%	0.5938%	0.1	0.1	0%	0%
54	0	19	0.000000	0.4122%	0.6119%	0.1	0.1	0%	0%
55	0	11	0.000000	0.4358%	0.6310%	0.0	0.1	0%	0%
56	0	9	0.000000	0.4376%	0.6515%	0.0	0.1	0%	0%
57	0	6	0.000000	0.4528%	0.6738%	0.0	0.0	0%	0%
58	0	6	0.000000	0.5023%	0.7354%	0.0	0.0	0%	0%
59	0	5	0.000000	0.5566%	0.7991%	0.0	0.0	0%	0%
60	0	7	0.000000	0.5999%	0.8653%	0.0	0.1	0%	0%
61	0	6	0.000000	0.6435%	0.9332%	0.0	0.1	0%	0%
62	0	9	0.000000	0.7318%	1.0025%	0.1	0.1	0%	0%
63	0	6	0.000000	0.8091%	1.1496%	0.0	0.1	0%	0%
64	0	7	0.000000	0.9083%	1.2977%	0.1	0.1	0%	0%
65	0	7	0.000000	0.9930%	1.4463%	0.1	0.1	0%	0%
66	0	7	0.000000	1.0806%	1.5949%	0.1	0.1	0%	0%
67	0	4	0.000000	1.1963%	1.7437%	0.0	0.1	0%	0%
68	0	7	0.000000	1.2916%	2.0106%	0.1	0.1	0%	0%
69	0	2	0.000000	1.4512%	2.2784%	0.0	0.0	0%	0%
70	0	2	0.000000	1.6447%	2.5464%	0.0	0.1	0%	0%
71	0	2	0.000000	1.8351%	2.8147%	0.0	0.1	0%	0%
72	0	1	0.000000	2.0406%	3.0831%	0.0	0.0	0%	0%
73	0	1	0.000000	2.2896%	3.5112%	0.0	0.0	0%	0%
74	0	1	0.000000	2.5463%	3.9388%	0.0	0.0	0%	0%
75	0	1	0.000000	2.8568%	4.3649%	0.0	0.0	0%	0%
76	0	1	0.000000	3.2016%	4.7904%	0.0	0.0	0%	0%
77	0	1	0.000000	3.4372%	5.2134%	0.0	0.1	0%	0%
78	0	2	0.000000	3.8127%	5.8330%	0.1	0.1	0%	0%
79	0	0	N/A	4.3879%	6.4503%	0	0	0%	0%
80	0	1	0.000000	5.0008%	7.0656%	0.1	0.1	0%	0%
81	0	0	N/A	5.6532%	7.6779%	0	0	0%	0%
82	0	0	N/A	6.2429%	8.2878%	0	0	0%	0%
83	0	0	N/A	6.8548%	9.1341%	0	0	0%	0%
84	0	0	N/A	7.7484%	9.9780%	0	0	0%	0%
85	0	0	N/A	8.6856%	10.8194%	0	0	0%	0%
86	0	0	N/A	9.4305%	11.6572%	0	0	0%	0%
87	0	0	N/A	10.1495%	12.4912%	0	0	0%	0%
88	0	0	N/A	11.2544%	13.5940%	0	0	0%	0%
89	0	0	N/A	12.7505%	14.6881%	0	0	0%	0%
90	0	0	N/A	14.1894%	15.7723%	0	0	0%	0%
91	0	0	N/A	15.9612%	16.8458%	0	0	0%	0%
92	0	0	N/A	17.2486%	17.9039%	0	0	0%	0%
93	0	0	N/A	18.5108%	19.2517%	0	0	0%	0%
94	0	0	N/A	19.7367%	20.5947%	0	0	0%	0%
95	0	0	N/A	20.8534%	21.9385%	0	0	0%	0%
96	0	0	N/A	21.8465%	23.2924%	0	0	0%	0%
97	0	0	N/A	22.8523%	24.6395%	0	0	0%	0%
98	0	0	N/A	23.4533%	26.3243%	0	0	0%	0%
99	0	0	N/A	23.7771%	28.0036%	0	0	0%	0%
Subtotal	1	438				1.8	3.1	56%	33%
100 or more	0	0	N/A	25.4498%	33.2252%	0	0	0%	0%
Total	1	438				1.8	3.1	56%	33%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
MEN AND WOMEN**

TABLE 2C

10-YEAR PERIOD ENDING 6/30/2013

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	67	0.000000	0.1712%	0.0967%	0.1	0.1	0%	0%
42	0	90	0.000000	0.1864%	0.1614%	0.2	0.1	0%	0%
43	0	114	0.000000	0.2033%	0.2261%	0.2	0.3	0%	0%
44	0	136	0.000000	0.2202%	0.2903%	0.3	0.4	0%	0%
45	1	166	0.006024	0.2389%	0.3539%	0.4	0.6	252%	170%
46	0	178	0.000000	0.2494%	0.4165%	0.4	0.7	0%	0%
47	0	204	0.000000	0.2588%	0.4781%	0.5	1.0	0%	0%
48	2	194	0.010309	0.2645%	0.4991%	0.5	1.0	390%	207%
49	2	221	0.009050	0.3336%	0.5195%	0.7	1.1	271%	174%
50	0	206	0.000000	0.3974%	0.5390%	0.8	1.1	0%	0%
51	1	225	0.004444	0.4540%	0.5579%	1.0	1.3	98%	80%
52	1	227	0.004405	0.5085%	0.5760%	1.2	1.3	87%	76%
53	1	219	0.004566	0.5362%	0.5938%	1.2	1.3	85%	77%
54	2	238	0.008403	0.5642%	0.6119%	1.3	1.5	149%	137%
55	0	231	0.000000	0.6208%	0.6310%	1.4	1.5	0%	0%
56	3	274	0.010949	0.6788%	0.6515%	1.9	1.8	161%	168%
57	1	263	0.003802	0.7222%	0.6738%	1.9	1.8	53%	56%
58	1	323	0.003096	0.7638%	0.7354%	2.5	2.4	41%	42%
59	4	368	0.010870	0.8700%	0.7991%	3.2	2.9	125%	136%
60	4	471	0.008493	0.9612%	0.8653%	4.5	4.1	88%	98%
61	3	523	0.005736	1.0627%	0.9332%	5.6	4.9	54%	61%
62	6	599	0.010017	1.1607%	1.0025%	7.0	6.0	86%	100%
63	7	630	0.011111	1.2455%	1.1496%	7.8	7.2	89%	97%
64	13	649	0.020031	1.3784%	1.2977%	8.9	8.4	145%	154%
65	8	684	0.011696	1.4887%	1.4463%	10.2	9.9	79%	81%
66	11	700	0.015714	1.6456%	1.5949%	11.5	11.2	95%	99%
67	17	684	0.024854	1.8675%	1.7437%	12.8	11.9	133%	143%
68	13	652	0.019939	2.0797%	2.0106%	13.6	13.1	96%	99%
69	12	557	0.021544	2.3192%	2.2784%	12.9	12.7	93%	95%
70	10	478	0.020921	2.6020%	2.5464%	12.4	12.2	80%	82%
71	9	397	0.022670	2.8927%	2.8147%	11.5	11.2	78%	81%
72	11	338	0.032544	3.1962%	3.0831%	10.8	10.4	102%	106%
73	12	294	0.040816	3.5813%	3.5112%	10.5	10.3	114%	116%
74	9	246	0.036585	3.9065%	3.9388%	9.6	9.7	94%	93%
75	6	192	0.031250	4.2623%	4.3649%	8.2	8.4	73%	72%
76	4	166	0.024096	4.9034%	4.7904%	8.1	8.0	49%	50%
77	12	147	0.081633	5.4959%	5.2134%	8.1	7.7	149%	157%
78	10	125	0.080000	6.0916%	5.8330%	7.6	7.3	131%	137%
79	6	105	0.057143	6.6593%	6.4503%	7.0	6.8	86%	89%
80	9	113	0.079646	7.1754%	7.0656%	8.1	8.0	111%	113%
81	4	79	0.050633	8.0024%	7.6779%	6.3	6.1	63%	66%
82	7	95	0.073684	8.9701%	8.2878%	8.5	7.9	82%	89%
83	6	71	0.084507	9.8973%	9.1341%	7.0	6.5	85%	93%
84	5	69	0.072464	10.6514%	9.9780%	7.3	6.9	68%	73%
85	9	58	0.155172	11.8109%	10.8194%	6.9	6.3	131%	143%
86	4	40	0.100000	13.5976%	11.6572%	5.4	4.7	74%	86%
87	4	37	0.108108	14.8903%	12.4912%	5.5	4.6	73%	87%
88	4	22	0.181818	16.4824%	13.5940%	3.6	3.0	110%	134%
89	5	21	0.238095	18.2395%	14.6881%	3.8	3.1	131%	162%
90	1	7	0.142857	20.1100%	15.7723%	1.4	1.1	71%	91%
91	3	10	0.300000	21.8931%	16.8458%	2.2	1.7	137%	178%
92	0	4	0.000000	23.3411%	17.9039%	0.9	0.7	0%	0%
93	0	2	0.000000	25.7503%	19.2517%	0.5	0.4	0%	0%
94	1	4	0.250000	27.7062%	20.5947%	1.1	0.8	90%	121%
95	0	2	0.000000	29.0978%	21.9385%	0.6	0.4	0%	0%
96	0	1	0.000000	31.5801%	23.2924%	0.3	0.2	0%	0%
97	0	1	0.000000	33.2567%	24.6395%	0.3	0.2	0%	0%
98	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
99	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
Subtotal	264	13,217				278.4	265.9	95%	99%
100 or more	0	0	N/A	0.0000%	0.0000%	0	0	0%	0%
Total	264	13,217				278.4	265.9	95%	99%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
MEN**

TABLE 2A GROUPED

10-YEAR PERIOD ENDING 6/30/2013

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	336	0.000000	0.2193%	0.2117%	0.7	0.7	0%	0%
45-49	4	817	0.004896	0.2876%	0.4594%	2.3	3.8	170%	107%
50-54	5	1,006	0.004970	0.5135%	0.5772%	5.2	5.8	97%	86%
55-59	9	1,422	0.006329	0.7517%	0.7087%	10.7	10.1	84%	89%
60-64	33	2,837	0.011632	1.1833%	1.0666%	33.6	30.3	98%	109%
65-69	61	3,250	0.018769	1.8659%	1.7943%	60.6	58.3	101%	105%
70-74	51	1,746	0.029210	3.1343%	3.0680%	54.7	53.6	93%	95%
75-79	38	730	0.052055	5.3203%	5.1781%	38.8	37.8	98%	101%
80-84	31	426	0.072770	8.7508%	8.2682%	37.3	35.2	83%	88%
85-89	26	178	0.146067	14.1883%	12.1545%	25.3	21.6	103%	120%
90-94	5	27	0.185185	22.7923%	17.4578%	6.2	4.7	81%	106%
95-99	0	4	0.000000	30.7581%	22.9522%	1.2	0.9	0%	0%
100+	0	0	N/A			0	0	0%	0%
Total	263	12,779				276.6	262.8	95%	100%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
WOMEN**

TABLE 2B GROUPED

10-YEAR PERIOD ENDING 6/30/2013

<u>Age</u> (1)	<u>Actual Deaths</u> (2)	<u>Total Exposed</u> (3)	<u>Actual Rate</u> (4)	<u>Assumed Probability</u>		<u>Expected Deaths</u>		<u>Actual/Expected</u>	
				<u>Current (7) / (3)</u> (5)	<u>Proposed (8) / (3)</u> (6)	<u>Current</u> (7)	<u>Proposed</u> (8)	<u>Current (2) / (7)</u> (9)	<u>Proposed (2) / (8)</u> (10)
41-44	0	71	0.000000	0.1084%	0.2132%	0.1	0.2	0%	0%
45-49	1	146	0.006849	0.1842%	0.4571%	0.3	0.7	372%	150%
50-54	0	109	0.000000	0.3168%	0.5716%	0.3	0.6	0%	0%
55-59	0	37	0.000000	0.4661%	0.6826%	0.2	0.3	0%	0%
60-64	0	35	0.000000	0.7388%	1.0474%	0.3	0.4	0%	0%
65-69	0	27	0.000000	1.1572%	1.7368%	0.3	0.5	0%	0%
70-74	0	7	0.000000	1.9766%	3.0365%	0.1	0.2	0%	0%
75-79	0	5	0.000000	3.4242%	5.2069%	0.2	0.3	0%	0%
80-84	0	1	0.000000	5.0008%	7.0656%	0.1	0.1	0%	0%
85-89	0	0	N/A			0	0	0%	0%
90-94	0	0	N/A			0	0	0%	0%
95-99	0	0	N/A			0	0	0%	0%
100+	0	0	N/A			0	0	0%	0%
Total	1	438				1.8	3.1	56%	33%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
MEN AND WOMEN**

TABLE 2C GROUPED

10-YEAR PERIOD ENDING 6/30/2013

<u>Age</u> (1)	<u>Actual Deaths</u> (2)	<u>Total Exposed</u> (3)	<u>Actual Rate</u> (4)	<u>Assumed Probability</u>		<u>Expected Deaths</u>		<u>Actual/Expected</u>	
				<u>Current (7) / (3)</u> (5)	<u>Proposed (8) / (3)</u> (6)	<u>Current</u> (7)	<u>Proposed</u> (8)	<u>Current (2) / (7)</u> (9)	<u>Proposed (2) / (8)</u> (10)
41-44	0	407	0.000000	0.1999%	0.2119%	0.8	0.9	0%	0%
45-49	5	963	0.005192	0.2719%	0.4590%	2.6	4.4	191%	113%
50-54	5	1,115	0.004484	0.4943%	0.5767%	5.5	6.4	91%	78%
55-59	9	1,459	0.006169	0.7445%	0.7081%	10.9	10.3	83%	87%
60-64	33	2,872	0.011490	1.1779%	1.0663%	33.8	30.6	98%	108%
65-69	61	3,277	0.018615	1.8600%	1.7938%	61.0	58.8	100%	104%
70-74	51	1,753	0.029093	3.1297%	3.0678%	54.9	53.8	93%	95%
75-79	38	735	0.051701	5.3074%	5.1783%	39.0	38.1	97%	100%
80-84	31	427	0.072600	8.7420%	8.2654%	37.3	35.3	83%	88%
85-89	26	178	0.146067	14.1883%	12.1545%	25.3	21.6	103%	120%
90-94	5	27	0.185185	22.7923%	17.4578%	6.2	4.7	81%	106%
95-99	0	4	0.000000	30.7581%	22.9522%	1.2	0.9	0%	0%
100+	0	0	N/A			0	0	0%	0%
Total	264	13,217				278.4	265.9	95%	99%

**NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM - HP TP
MORTALITY EXPERIENCE OF DISABILITY RETIREES
MEN AND WOMEN**

Plan Year Ending June 30, (1)	TABLE 2D		10-YEAR PERIOD ENDING 6/30/2013			
	Life Years Exposed (2)	Actual Deaths (3)	Expected Deaths (4)	Actual / Expected (5)	Mortality Rate	
					Actual (3) / (2) (6)	Expected (4) / (2) (7)
2004	1,466	25	18.0	139%	1.7053%	1.2298%
2005	1,441	30	19.3	156%	2.0819%	1.3378%
2006	1,411	25	20.0	125%	1.7718%	1.4206%
2007	1,385	22	21.3	104%	1.5884%	1.5344%
2008	1,360	23	22.7	101%	1.6912%	1.6665%
2009	1,337	27	24.0	112%	2.0194%	1.7964%
2010	1,310	32	25.3	126%	2.4427%	1.9330%
2011	1,245	33	25.4	130%	2.6506%	2.0439%
2012	1,212	26	23.8	109%	2.1452%	1.9649%
2013	1,183	21	28.3	74%	1.7751%	2.3907%
Total	13,350	264	228.1	116%	1.9775%	1.7090%

*The total exposures and actuals shown above include experience at all age ranges. I.e. ages under 41.