

Society of Actuaries

Supplement to the RP-2014 Mortality Tables Report

RPH-2014 Headcount-Weighted Tables

November 2014



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Summary

This supplement includes tables of the headcount-weighted mortality rates alluded to in subsection 13.5 of the RP-2014 Mortality Tables Report (revised November 2014). The rates in these tables, denoted **RPH-2014** (for Retirement Plans by Headcount), were calculated using the same underlying datasets and methods¹ as those used in the development of the corresponding RP-2014 tables, but with exposures and deaths weighted by headcount rather than by amount.

While RPEC believes the use of amount-weighted mortality rates for the measurement of pension plan obligations continues to be appropriate, there are other applications for which the use of headcount-weighted mortality rates might be more suitable and possibly produce more accurate results. These other applications might include estimates of average age at death, projections of retirement plan populations, and the measurement of obligations for retirement programs with relatively flat benefit structures.

The reason for using a weighted version of a mortality table (either pension-amount-weighted, headcount-weighted, or otherwise) is to obtain the most appropriate result for the particular application at hand. For the measurement of most pension obligations, tables weighted by benefit amount generally produce the most appropriate results, while headcount-weighted tables might be more appropriate for the measurement of many OPEB plan obligations. As a consequence, the Committee believes that it would not necessarily be inappropriate—or inconsistent—to use (amount-weighted) RP-2014 tables to measure pension plan obligations and the corresponding headcount-weighted versions of those RP-2014 tables to measure OPEB plan obligations, even when the two covered populations are identical.

The RPH-2014 tables are organized as follows:

- Total dataset: pages 3 through 5
- Blue Collar: pages 6 through 8
- White Collar: pages 9 through 11
- Bottom Quartile: pages 12 through 14
- Top Quartile: pages 15 through 17
- Juvenile: page 18

These tables can be found in electronic format [here](#).

¹ The RP-2014 rates were used without modification for RPH-2014 at ages 0-12 of the Juvenile table, and at ages 100 and above for all of the Healthy Annuitant tables.

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Total Dataset; Males			Total Dataset; Females			Age
	Employee	Healthy Annuitant	Disabled Retiree	Employee	Healthy Annuitant	Disabled Retiree	
18	0.000469		0.005873	0.000199		0.002397	18
19	0.000516		0.006461	0.000199		0.002397	19
20	0.000563		0.007048	0.000193		0.002320	20
21	0.000612		0.007662	0.000196		0.002359	21
22	0.000637		0.007982	0.000199		0.002398	22
23	0.000646		0.008089	0.000203		0.002443	23
24	0.000630		0.007896	0.000207		0.002494	24
25	0.000615		0.007700	0.000212		0.002553	25
26	0.000604		0.007563	0.000220		0.002642	26
27	0.000597		0.007480	0.000229		0.002758	27
28	0.000595		0.007449	0.000241		0.002898	28
29	0.000596		0.007466	0.000254		0.003059	29
30	0.000601		0.007527	0.000269		0.003239	30
31	0.000609		0.007628	0.000285		0.003433	31
32	0.000620		0.007766	0.000302		0.003638	32
33	0.000634		0.007938	0.000320		0.003852	33
34	0.000650		0.008139	0.000338		0.004071	34
35	0.000668		0.008366	0.000357		0.004292	35
36	0.000688		0.008616	0.000375		0.004513	36
37	0.000709		0.008883	0.000397		0.004774	37
38	0.000734		0.009193	0.000423		0.005088	38
39	0.000764		0.009575	0.000454		0.005465	39
40	0.000803		0.010066	0.000492		0.005921	40
41	0.000854		0.010701	0.000538		0.006469	41
42	0.000919		0.011515	0.000592		0.007122	42
43	0.001001		0.012537	0.000656		0.007891	43
44	0.001100		0.013787	0.000730		0.008786	44
45	0.001219		0.015276	0.000815		0.009809	45
46	0.001357		0.016184	0.000911		0.010253	46
47	0.001514		0.017079	0.001016		0.010693	47
48	0.001689		0.017959	0.001130		0.011127	48
49	0.001880		0.018825	0.001253		0.011555	49

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Total Dataset; Males			Total Dataset; Females			Age
	Employee	Healthy Annuitant	Disabled Retiree	Employee	Healthy Annuitant	Disabled Retiree	
50	0.002087	0.005336	0.019674	0.001381	0.004028	0.011977	50
51	0.002311	0.005634	0.020507	0.001515	0.004105	0.012394	51
52	0.002552	0.005948	0.021324	0.001653	0.004199	0.012806	52
53	0.002814	0.006279	0.022126	0.001796	0.004313	0.013215	53
54	0.003099	0.006628	0.022916	0.001943	0.004449	0.013624	54
55	0.003412	0.006998	0.023700	0.002097	0.004609	0.014036	55
56	0.003760	0.007390	0.024484	0.002256	0.004799	0.014458	56
57	0.004150	0.007805	0.025279	0.002424	0.005022	0.014897	57
58	0.004589	0.008247	0.026094	0.002604	0.005282	0.015362	58
59	0.005088	0.008722	0.026943	0.002797	0.005584	0.015864	59
60	0.005652	0.009236	0.027840	0.003009	0.005931	0.016414	60
61	0.006290	0.009798	0.028800	0.003241	0.006328	0.017026	61
62	0.007009	0.010417	0.029841	0.003499	0.006780	0.017714	62
63	0.007818	0.011104	0.030979	0.003784	0.007292	0.018494	63
64	0.008723	0.011871	0.032231	0.004100	0.007875	0.019381	64
65	0.009734	0.012731	0.033611	0.004450	0.008539	0.020392	65
66	0.010735	0.013698	0.035133	0.004918	0.009295	0.021541	66
67	0.011838	0.014785	0.036812	0.005436	0.010157	0.022844	67
68	0.013056	0.016008	0.038660	0.006008	0.011136	0.024317	68
69	0.014398	0.017379	0.040690	0.006641	0.012243	0.025974	69
70	0.015878	0.018915	0.042916	0.007339	0.013487	0.027828	70
71	0.017511	0.020630	0.045353	0.008112	0.014878	0.029893	71
72	0.019311	0.022545	0.048018	0.008966	0.016424	0.032181	72
73	0.021297	0.024682	0.050929	0.009909	0.018137	0.034705	73
74	0.023487	0.027066	0.054109	0.010952	0.020025	0.037482	74
75	0.025901	0.029730	0.057583	0.012105	0.022106	0.040527	75
76	0.028565	0.032711	0.061382	0.013379	0.024399	0.043859	76
77	0.031502	0.036052	0.065542	0.014787	0.026933	0.047498	77
78	0.034740	0.039804	0.070106	0.016343	0.029746	0.051467	78
79	0.038312	0.044021	0.075122	0.018063	0.032885	0.055788	79
80	0.042252	0.048763	0.080642	0.019965	0.036406	0.060488	80
81		0.054091	0.086728		0.040371	0.065593	81
82		0.060074	0.093445		0.044848	0.071128	82
83		0.066778	0.100864		0.049913	0.077121	83
84		0.074275	0.109061		0.055640	0.083602	84

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Total Dataset; Males			Total Dataset; Females			Age
	Employee	Healthy Annuitant	Disabled Retiree	Employee	Healthy Annuitant	Disabled Retiree	
85		0.082638	0.118114		0.062108	0.090599	85
86		0.091946	0.128104		0.069398	0.098144	86
87		0.102285	0.139118		0.077594	0.106271	87
88		0.113752	0.151248		0.086791	0.115016	88
89		0.126461	0.164592		0.097092	0.124419	89
90		0.140537	0.179257		0.108615	0.134525	90
91		0.155492	0.193867		0.121153	0.145555	91
92		0.171025	0.208457		0.134580	0.157466	92
93		0.186996	0.223065		0.148826	0.170213	93
94		0.203376	0.237725		0.163868	0.183751	94
95		0.220220	0.252475		0.179707	0.198037	95
96		0.237621	0.267351		0.196359	0.213026	96
97		0.255676	0.282387		0.213832	0.228674	97
98		0.274448	0.297622		0.232115	0.244937	98
99		0.293926	0.313090		0.251159	0.261771	99
100		0.313988	0.328828		0.270858	0.279130	100
101		0.334365	0.344872		0.291040	0.296972	101
102		0.354599	0.361258		0.311444	0.315251	102
103		0.374524	0.378023		0.331900	0.333924	103
104		0.393982	0.395201		0.352232	0.352946	104
105		0.412831	0.412831		0.372273	0.372273	105
106		0.430946	0.430946		0.391860	0.391860	106
107		0.448227	0.448227		0.410849	0.410849	107
108		0.464592	0.464592		0.429112	0.429112	108
109		0.479987	0.479987		0.446544	0.446544	109
110		0.494376	0.494376		0.463061	0.463061	110
111		0.500000	0.500000		0.478604	0.478604	111
112		0.500000	0.500000		0.493137	0.493137	112
113		0.500000	0.500000		0.500000	0.500000	113
114		0.500000	0.500000		0.500000	0.500000	114
115		0.500000	0.500000		0.500000	0.500000	115
116		0.500000	0.500000		0.500000	0.500000	116
117		0.500000	0.500000		0.500000	0.500000	117
118		0.500000	0.500000		0.500000	0.500000	118
119		0.500000	0.500000		0.500000	0.500000	119
120		1.000000	1.000000		1.000000	1.000000	120

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Blue Collar; Males		Blue Collar; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
18	0.000559		0.000222		18
19	0.000615		0.000222		19
20	0.000671		0.000214		20
21	0.000730		0.000218		21
22	0.000760		0.000222		22
23	0.000770		0.000226		23
24	0.000752		0.000231		24
25	0.000733		0.000236		25
26	0.000720		0.000244		26
27	0.000712		0.000255		27
28	0.000709		0.000268		28
29	0.000711		0.000283		29
30	0.000717		0.000299		30
31	0.000726		0.000317		31
32	0.000739		0.000336		32
33	0.000756		0.000356		33
34	0.000775		0.000376		34
35	0.000797		0.000397		35
36	0.000820		0.000417		36
37	0.000846		0.000441		37
38	0.000875		0.000470		38
39	0.000912		0.000505		39
40	0.000958		0.000547		40
41	0.001019		0.000598		41
42	0.001096		0.000658		42
43	0.001194		0.000730		43
44	0.001313		0.000812		44
45	0.001455		0.000907		45
46	0.001619		0.001013		46
47	0.001806		0.001130		47
48	0.002015		0.001258		48
49	0.002243		0.001394		49

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Blue Collar; Males		Blue Collar; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
50	0.002490	0.005604	0.001537	0.004105	50
51	0.002757	0.005906	0.001685	0.004235	51
52	0.003045	0.006229	0.001839	0.004381	52
53	0.003357	0.006574	0.001997	0.004544	53
54	0.003697	0.006944	0.002162	0.004727	54
55	0.004071	0.007342	0.002332	0.004933	55
56	0.004485	0.007771	0.002510	0.005165	56
57	0.004950	0.008234	0.002697	0.005428	57
58	0.005475	0.008736	0.002896	0.005726	58
59	0.006069	0.009286	0.003111	0.006066	59
60	0.006743	0.009893	0.003347	0.006452	60
61	0.007504	0.010567	0.003606	0.006890	61
62	0.008362	0.011314	0.003892	0.007383	62
63	0.009326	0.012145	0.004209	0.007940	63
64	0.010406	0.013067	0.004561	0.008570	64
65	0.011612	0.014089	0.004950	0.009283	65
66	0.012739	0.015221	0.005456	0.010092	66
67	0.013974	0.016475	0.006013	0.011010	67
68	0.015330	0.017862	0.006627	0.012051	68
69	0.016816	0.019399	0.007303	0.013227	69
70	0.018447	0.021101	0.008049	0.014553	70
71	0.020237	0.022991	0.008871	0.016038	71
72	0.022199	0.025091	0.009777	0.017695	72
73	0.024353	0.027430	0.010775	0.019529	73
74	0.026715	0.030040	0.011875	0.021549	74
75	0.029306	0.032952	0.013088	0.023766	75
76	0.032148	0.036204	0.014424	0.026199	76
77	0.035266	0.039835	0.015897	0.028876	77
78	0.038686	0.043889	0.017521	0.031836	78
79	0.042439	0.048414	0.019310	0.035127	79
80	0.046555	0.053460	0.021281	0.038805	80
81		0.059081		0.042932	81
82		0.065333		0.047576	82
83		0.072280		0.052808	83
84		0.079987		0.058698	84

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Blue Collar; Males		Blue Collar; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
85		0.088524		0.065321	85
86		0.097971		0.072752	86
87		0.108417		0.081081	87
88		0.119965		0.090408	88
89		0.132734		0.100848	89
90		0.146859		0.112535	90
91		0.161673		0.125111	91
92		0.176800		0.138377	92
93		0.192095		0.152252	93
94		0.207589		0.166747	94
95		0.223428		0.181931	95
96		0.239822		0.197901	96
97		0.256980		0.214754	97
98		0.275058		0.232551	98
99		0.294103		0.251285	99
100		0.313988		0.270858	100
101		0.334365		0.291040	101
102		0.354599		0.311444	102
103		0.374524		0.331900	103
104		0.393982		0.352232	104
105		0.412831		0.372273	105
106		0.430946		0.391860	106
107		0.448227		0.410849	107
108		0.464592		0.429112	108
109		0.479987		0.446544	109
110		0.494376		0.463061	110
111		0.500000		0.478604	111
112		0.500000		0.493137	112
113		0.500000		0.500000	113
114		0.500000		0.500000	114
115		0.500000		0.500000	115
116		0.500000		0.500000	116
117		0.500000		0.500000	117
118		0.500000		0.500000	118
119		0.500000		0.500000	119
120		1.000000		1.000000	120

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	White Collar; Males		White Collar; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
18	0.000320		0.000155		18
19	0.000352		0.000155		19
20	0.000384		0.000150		20
21	0.000418		0.000152		21
22	0.000435		0.000155		22
23	0.000441		0.000158		23
24	0.000431		0.000161		24
25	0.000420		0.000165		25
26	0.000413		0.000170		26
27	0.000408		0.000178		27
28	0.000406		0.000187		28
29	0.000407		0.000197		29
30	0.000411		0.000209		30
31	0.000416		0.000222		31
32	0.000424		0.000235		32
33	0.000433		0.000249		33
34	0.000444		0.000263		34
35	0.000456		0.000277		35
36	0.000470		0.000291		36
37	0.000485		0.000308		37
38	0.000501		0.000328		38
39	0.000522		0.000353		39
40	0.000549		0.000382		40
41	0.000584		0.000417		41
42	0.000628		0.000460		42
43	0.000684		0.000509		43
44	0.000752		0.000567		44
45	0.000833		0.000633		45
46	0.000928		0.000707		46
47	0.001035		0.000789		47
48	0.001154		0.000878		48
49	0.001285		0.000973		49

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	White Collar; Males		White Collar; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
50	0.001426	0.003823	0.001073	0.003040	50
51	0.001579	0.004037	0.001176	0.003098	51
52	0.001744	0.004262	0.001283	0.003169	52
53	0.001923	0.004499	0.001394	0.003255	53
54	0.002118	0.004749	0.001509	0.003357	54
55	0.002332	0.005014	0.001628	0.003479	55
56	0.002570	0.005238	0.001752	0.003622	56
57	0.002836	0.005483	0.001882	0.003790	57
58	0.003136	0.005751	0.002021	0.003986	58
59	0.003477	0.006046	0.002172	0.004214	59
60	0.003863	0.006371	0.002336	0.004476	60
61	0.004299	0.006733	0.002517	0.004808	61
62	0.004790	0.007142	0.002716	0.005184	62
63	0.005343	0.007611	0.002938	0.005611	63
64	0.005961	0.008156	0.003183	0.006096	64
65	0.006652	0.008791	0.003455	0.006649	65
66	0.007421	0.009531	0.003846	0.007279	66
67	0.008278	0.010389	0.004281	0.007998	67
68	0.009234	0.011375	0.004765	0.008819	68
69	0.010300	0.012500	0.005304	0.009753	69
70	0.011490	0.013772	0.005904	0.010812	70
71	0.012817	0.015205	0.006571	0.012008	71
72	0.014298	0.016814	0.007315	0.013354	72
73	0.015949	0.018622	0.008142	0.014864	73
74	0.017792	0.020655	0.009063	0.016553	74
75	0.019847	0.022945	0.010088	0.018438	75
76	0.022139	0.025534	0.011229	0.020538	76
77	0.024696	0.028466	0.012499	0.022876	77
78	0.027549	0.031791	0.013913	0.025483	78
79	0.030731	0.035567	0.015486	0.028399	79
80	0.034281	0.039855	0.017238	0.031674	80
81		0.044724		0.035365	81
82		0.050248		0.039538	82
83		0.056505		0.044265	83
84		0.063574		0.049629	84

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	White Collar; Males		White Collar; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
85		0.071536		0.055721	85
86		0.080471		0.062636	86
87		0.090465		0.070476	87
88		0.101614		0.079348	88
89		0.114030		0.089367	89
90		0.127845		0.100662	90
91		0.142947		0.113257	91
92		0.159208		0.127123	92
93		0.176493		0.142191	93
94		0.194657		0.158356	94
95		0.213553		0.175492	95
96		0.233034		0.193459	96
97		0.252953		0.212111	97
98		0.273170		0.231308	98
99		0.293555		0.250924	99
100		0.313988		0.270858	100
101		0.334365		0.291040	101
102		0.354599		0.311444	102
103		0.374524		0.331900	103
104		0.393982		0.352232	104
105		0.412831		0.372273	105
106		0.430946		0.391860	106
107		0.448227		0.410849	107
108		0.464592		0.429112	108
109		0.479987		0.446544	109
110		0.494376		0.463061	110
111		0.500000		0.478604	111
112		0.500000		0.493137	112
113		0.500000		0.500000	113
114		0.500000		0.500000	114
115		0.500000		0.500000	115
116		0.500000		0.500000	116
117		0.500000		0.500000	117
118		0.500000		0.500000	118
119		0.500000		0.500000	119
120		1.000000		1.000000	120

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Bottom Quartile; Males		Bottom Quartile; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
18	0.000532		0.000265		18
19	0.000586		0.000265		19
20	0.000639		0.000256		20
21	0.000695		0.000261		21
22	0.000723		0.000265		22
23	0.000733		0.000270		23
24	0.000716		0.000276		24
25	0.000698		0.000282		25
26	0.000686		0.000292		26
27	0.000678		0.000305		27
28	0.000675		0.000320		28
29	0.000677		0.000338		29
30	0.000682		0.000358		30
31	0.000691		0.000379		31
32	0.000704		0.000402		32
33	0.000720		0.000426		33
34	0.000738		0.000450		34
35	0.000758		0.000474		35
36	0.000781		0.000498		36
37	0.000805		0.000527		37
38	0.000833		0.000562		38
39	0.000868		0.000604		39
40	0.000912		0.000654		40
41	0.000970		0.000715		41
42	0.001044		0.000787		42
43	0.001136		0.000872		43
44	0.001250		0.000970		44
45	0.001385		0.001083		45
46	0.001542		0.001210		46
47	0.001720		0.001350		47
48	0.001918		0.001502		48
49	0.002135		0.001665		49

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Bottom Quartile; Males		Bottom Quartile; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
50	0.002370	0.008741	0.001836	0.005586	50
51	0.002624	0.009230	0.002013	0.005692	51
52	0.002899	0.009744	0.002197	0.005823	52
53	0.003196	0.010286	0.002386	0.005981	53
54	0.003520	0.010859	0.002583	0.006169	54
55	0.003875	0.011464	0.002786	0.006392	55
56	0.004270	0.011541	0.002999	0.006400	56
57	0.004713	0.011647	0.003222	0.006441	57
58	0.005212	0.011784	0.003460	0.006519	58
59	0.005778	0.011959	0.003717	0.006638	59
60	0.006419	0.012182	0.003998	0.006803	60
61	0.007144	0.012463	0.004308	0.007022	61
62	0.007960	0.012819	0.004650	0.007304	62
63	0.008878	0.013268	0.005029	0.007658	63
64	0.009906	0.013828	0.005449	0.008099	64
65	0.011055	0.014522	0.005914	0.008640	65
66	0.012149	0.015367	0.006463	0.009298	66
67	0.013351	0.016380	0.007064	0.010157	67
68	0.014672	0.017572	0.007720	0.011136	68
69	0.016125	0.018951	0.008436	0.012243	69
70	0.017720	0.020527	0.009220	0.013487	70
71	0.019474	0.022310	0.010076	0.014878	71
72	0.021402	0.024313	0.011011	0.016424	72
73	0.023520	0.026557	0.012034	0.018211	73
74	0.025848	0.029066	0.013151	0.020223	74
75	0.028406	0.031872	0.014373	0.022456	75
76	0.031217	0.035015	0.015707	0.024925	76
77	0.034307	0.038541	0.017166	0.027651	77
78	0.037702	0.042504	0.018760	0.030663	78
79	0.041434	0.046960	0.020502	0.033994	79
80	0.045534	0.051971	0.022406	0.037689	80
81		0.057601		0.041799	81
82		0.063908		0.046382	82
83		0.070952		0.051505	83
84		0.078790		0.057238	84

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Bottom Quartile; Males		Bottom Quartile; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
85		0.087479		0.063656	85
86		0.097082		0.070836	86
87		0.107671		0.078858	87
88		0.119329		0.087810	88
89		0.132154		0.097788	89
90		0.146257		0.108900	90
91		0.161034		0.121153	91
92		0.176148		0.134580	92
93		0.191472		0.148826	93
94		0.207038		0.163868	94
95		0.222985		0.179707	95
96		0.239503		0.196359	96
97		0.256783		0.213832	97
98		0.274963		0.232115	98
99		0.294074		0.251159	99
100		0.313988		0.270858	100
101		0.334365		0.291040	101
102		0.354599		0.311444	102
103		0.374524		0.331900	103
104		0.393982		0.352232	104
105		0.412831		0.372273	105
106		0.430946		0.391860	106
107		0.448227		0.410849	107
108		0.464592		0.429112	108
109		0.479987		0.446544	109
110		0.494376		0.463061	110
111		0.500000		0.478604	111
112		0.500000		0.493137	112
113		0.500000		0.500000	113
114		0.500000		0.500000	114
115		0.500000		0.500000	115
116		0.500000		0.500000	116
117		0.500000		0.500000	117
118		0.500000		0.500000	118
119		0.500000		0.500000	119
120		1.000000		1.000000	120

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Top Quartile; Males		Top Quartile; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
18	0.000219		0.000111		18
19	0.000241		0.000111		19
20	0.000263		0.000107		20
21	0.000286		0.000109		21
22	0.000298		0.000111		22
23	0.000302		0.000113		23
24	0.000295		0.000115		24
25	0.000288		0.000118		25
26	0.000282		0.000122		26
27	0.000279		0.000127		27
28	0.000278		0.000134		28
29	0.000279		0.000141		29
30	0.000281		0.000149		30
31	0.000285		0.000158		31
32	0.000290		0.000168		32
33	0.000296		0.000178		33
34	0.000304		0.000188		34
35	0.000312		0.000198		35
36	0.000322		0.000208		36
37	0.000332		0.000220		37
38	0.000343		0.000235		38
39	0.000357		0.000252		39
40	0.000376		0.000273		40
41	0.000400		0.000298		41
42	0.000430		0.000328		42
43	0.000468		0.000364		43
44	0.000515		0.000405		44
45	0.000570		0.000452		45
46	0.000635		0.000505		46
47	0.000708		0.000563		47
48	0.000790		0.000627		48
49	0.000879		0.000695		49

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Top Quartile; Males		Top Quartile; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
50	0.000976	0.003335	0.000766	0.002699	50
51	0.001081	0.003705	0.000840	0.002750	51
52	0.001194	0.004072	0.000917	0.002813	52
53	0.001316	0.004435	0.000996	0.002889	53
54	0.001450	0.004795	0.001078	0.002980	54
55	0.001596	0.005149	0.001163	0.003088	55
56	0.001759	0.005499	0.001251	0.003443	56
57	0.001941	0.005845	0.001345	0.003821	57
58	0.002147	0.006188	0.001444	0.004225	58
59	0.002380	0.006534	0.001551	0.004657	59
60	0.002644	0.006886	0.001669	0.005121	60
61	0.002943	0.007253	0.001798	0.005620	61
62	0.003279	0.007642	0.001941	0.006155	62
63	0.003657	0.008063	0.002099	0.006728	63
64	0.004080	0.008527	0.002274	0.007341	64
65	0.004553	0.009046	0.002468	0.008000	65
66	0.005131	0.009630	0.002776	0.008709	66
67	0.005781	0.010290	0.003122	0.009477	67
68	0.006514	0.011038	0.003511	0.010310	68
69	0.007339	0.011885	0.003949	0.011218	69
70	0.008269	0.012846	0.004441	0.012208	70
71	0.009317	0.013937	0.004995	0.013292	71
72	0.010498	0.015179	0.005618	0.014482	72
73	0.011829	0.016595	0.006318	0.015793	73
74	0.013328	0.018214	0.007106	0.017245	74
75	0.015017	0.020068	0.007992	0.018860	75
76	0.016920	0.022194	0.008988	0.020667	76
77	0.019065	0.024632	0.010109	0.022697	77
78	0.021481	0.027425	0.011369	0.024987	78
79	0.024204	0.030620	0.012786	0.027575	79
80	0.027271	0.034266	0.014380	0.030506	80
81		0.038422		0.033830	81
82		0.043151		0.037602	82
83		0.048523		0.041887	83
84		0.054617		0.046756	84

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Top Quartile; Males		Top Quartile; Females		Age
	Employee	Healthy Annuitant	Employee	Healthy Annuitant	
85		0.061523		0.052288	85
86		0.069344		0.058568	86
87		0.078197		0.065686	87
88		0.088219		0.073742	88
89		0.099567		0.082845	89
90		0.112423		0.093122	90
91		0.127206		0.105039	91
92		0.144033		0.118794	92
93		0.162776		0.134372	93
94		0.183128		0.151590	94
95		0.204655		0.170150	95
96		0.226867		0.189689	96
97		0.249270		0.209826	97
98		0.271435		0.230218	98
99		0.293050		0.250604	99
100		0.313988		0.270858	100
101		0.334365		0.291040	101
102		0.354599		0.311444	102
103		0.374524		0.331900	103
104		0.393982		0.352232	104
105		0.412831		0.372273	105
106		0.430946		0.391860	106
107		0.448227		0.410849	107
108		0.464592		0.429112	108
109		0.479987		0.446544	109
110		0.494376		0.463061	110
111		0.500000		0.478604	111
112		0.500000		0.493137	112
113		0.500000		0.500000	113
114		0.500000		0.500000	114
115		0.500000		0.500000	115
116		0.500000		0.500000	116
117		0.500000		0.500000	117
118		0.500000		0.500000	118
119		0.500000		0.500000	119
120		1.000000		1.000000	120

RPH-2014 Rates (Headcount-weighted; not RP-2014)

Age	Juvenile Rates	
	Males	Females
0	0.007071	0.005830
1	0.000410	0.000361
2	0.000277	0.000236
3	0.000230	0.000176
4	0.000179	0.000132
5	0.000157	0.000119
6	0.000141	0.000110
7	0.000124	0.000102
8	0.000105	0.000094
9	0.000085	0.000087
10	0.000072	0.000082
11	0.000076	0.000084
12	0.000113	0.000097
13	0.000163	0.000115
14	0.000221	0.000136
15	0.000285	0.000156
16	0.000350	0.000176
17	0.000412	0.000191