

**Standard (Built-in) Mortality Tables**

#	Code	Name	First Age	Last Age
1	AMT2008	2008 Applicable Mortality Table (Revenue Ruling 2007-67)	1	120
2	GAM71F	1971 Group Annuity Mortality for Females	0	110
3	GAM71M	1971 Group Annuity Mortality for Males	0	110
4	GAM83BasicF	1983 US GAM Basic Female	5	110
5	GAM83BasicM	1983 US GAM Basic Male	5	110
6	GAM83-GATT	Blended (50/50 Male and Female) 1983 Group Annuity Mortality	5	110
7	GAM83F	1983 Group Annuity Mortality for Females	5	110
8	GAM83M	1983 Group Annuity Mortality for Males	5	110
9	GAM94StaticF	1994 US GAM Static Female	1	120
10	GAM94StaticM	1994 US GAM Static Male	1	120
11	GAR94Blend	Blended 1994 GAR Table, projected to 2002 (Revenue Ruling 2001-62)	1	120
12	IAM83BasicF	1983 US IAM Basic Female	0	115
13	IAM83BasicM	1983 US IAM Basic Male	0	115
14	IAM83F	1983 US IAM Female	0	115
15	IAM83M	1983 US IAM Male	0	115
16	RP2000F-CH	RP-2000 Female Combined Healthy	1	120
17	RP2000F-DR	RP-2000 Female Disabled Retiree	21	120
18	RP2000F-E	RP-2000 Female Employee	1	70
19	RP2000F-HA	RP-2000 Female Healthy Annuitant	50	120
20	RP2000M-CH	RP-2000 Male Combined Healthy	1	120
21	RP2000M-DR	RP-2000 Male Disabled Retiree	21	120
22	RP2000M-E	RP-2000 Male Employee	1	70
23	RP2000M-HA	RP-2000 Male Healthy Annuitant	50	120
24	ST08AnnF	2008 Static Mortality Table for Female Annuitants	1	120
25	ST08AnnM	2008 Static Mortality Table for Male Annuitants	1	120
26	ST08NonAnnF	2008 Static Mortality Table for Female Non-Annuitants	1	120
27	ST08NonAnnM	2008 Static Mortality Table for Male Non-Annuitants	1	120
28	ST08OCTSPF	2008 Static Mortality - Optional Combined Table for Small Plans - Female	1	120
29	ST08OCTSPM	2008 Static Mortality - Optional Combined Table for Small Plans - Male	1	120
30	ST09AnnF	2009 Static Mortality Table for Female Annuitants	1	120
31	ST09AnnM	2009 Static Mortality Table for Male Annuitants	1	120
32	ST09NonAnnF	2009 Static Mortality Table for Female Non-Annuitants	1	120
33	ST09NonAnnM	2009 Static Mortality Table for Male Non-Annuitants	1	120
34	ST09OCTSPF	2009 Static Mortality - Optional Combined Table for Small Plans - Female	1	120
35	ST09OCTSPM	2009 Static Mortality - Optional Combined Table for Small Plans - Male	1	120
36	DisTab09U	2009 Table for Distributions Subject to 417(e)(3)	1	120
37	ST10AnnF	2010 Static Mortality Table for Female Annuitants	1	120
38	ST10AnnM	2010 Static Mortality Table for Male Annuitants	1	120
39	ST10NonAnnF	2010 Static Mortality Table for Female Non-Annuitants	1	120
40	ST10NonAnnM	2010 Static Mortality Table for Male Non-Annuitants	1	120
41	ST10OCTSPF	2010 Static Mortality - Optional Combined Table for Small Plans - Female	1	120
42	ST10OCTSPM	2010 Static Mortality - Optional Combined Table for Small Plans - Male	1	120
43	DisTab10U	2010 Table for Distributions Subject to 417(e)(3)	1	120
44	ST11AnnF	2011 Static Mortality Table for Female Annuitants	1	120
45	ST11AnnM	2011 Static Mortality Table for Male Annuitants	1	120

**Standard (Built-in) Mortality Tables** *(continued)*

#	Code	Name	First Age	Last Age
46	ST11NonAnnF	2011 Static Mortality Table for Female Non-Annuitants	1	120
47	ST11NonAnnM	2011 Static Mortality Table for Male Non-Annuitants	1	120
48	ST11OCTSPF	2011 Static Mortality - Optional Combined Table for Small Plans - Female	1	120
49	ST11OCTSPM	2011 Static Mortality - Optional Combined Table for Small Plans - Male	1	120
50	DisTab11U	2011 Table for Distributions Subject to 417(e)(3)	1	120
51	ST12AnnF	2012 Static Mortality Table for Female Annuitants	1	120
52	ST12AnnM	2012 Static Mortality Table for Male Annuitants	1	120
53	ST12NonAnnF	2012 Static Mortality Table for Female Non-Annuitants	1	120
54	ST12NonAnnM	2012 Static Mortality Table for Male Non-Annuitants	1	120
55	ST12OCTSPF	2012 Static Mortality - Optional Combined Table for Small Plans - Female	1	120
56	ST12OCTSPM	2012 Static Mortality - Optional Combined Table for Small Plans - Male	1	120
57	DisTab12U	2012 Table for Distributions Subject to 417(e)(3)	1	120
58	ST13AnnF	2013 Static Mortality Table for Female Annuitants	1	120
59	ST13AnnM	2013 Static Mortality Table for Male Annuitants	1	120
60	ST13NonAnnF	2013 Static Mortality Table for Female Non-Annuitants	1	120
61	ST13NonAnnM	2013 Static Mortality Table for Male Non-Annuitants	1	120
62	ST13OCTSPF	2013 Static Mortality - Optional Combined Table for Small Plans - Female	1	120
63	ST13OCTSPM	2013 Static Mortality - Optional Combined Table for Small Plans - Male	1	120
64	DisTab13U	2013 Table for Distributions Subject to 417(e)(3)	1	120
65	ST14AnnF	2014 Static Mortality Table for Female Annuitants	1	120
66	ST14AnnM	2014 Static Mortality Table for Male Annuitants	1	120
67	ST14NonAnnF	2014 Static Mortality Table for Female Non-Annuitants	1	120
68	ST14NonAnnM	2014 Static Mortality Table for Male Non-Annuitants	1	120
69	ST14OCTSPF	2014 Static Mortality - Optional Combined Table for Small Plans - Female	1	120
70	ST14OCTSPM	2014 Static Mortality - Optional Combined Table for Small Plans - Male	1	120
71	DisTab14U	2014 Table for Distributions Subject to 417(e)(3)	1	120
72	ST15AnnF	2015 Static Mortality Table for Female Annuitants	1	120
73	ST15AnnM	2015 Static Mortality Table for Male Annuitants	1	120
74	ST15NonAnnF	2015 Static Mortality Table for Female Non-Annuitants	1	120
75	ST15NonAnnM	2015 Static Mortality Table for Male Non-Annuitants	1	120
76	ST15OCTSPF	2015 Static Mortality - Optional Combined Table for Small Plans - Female	1	120
77	ST15OCTSPM	2015 Static Mortality - Optional Combined Table for Small Plans - Male	1	120
78	DisTab15U	2015 Table for Distributions Subject to 417(e)(3)	1	120
79	ST16AnnF	2016 Static Mortality Table for Female Annuitants	1	120
80	ST16AnnM	2016 Static Mortality Table for Male Annuitants	1	120
81	ST16NonAnnF	2016 Static Mortality Table for Female Non-Annuitants	1	120
82	ST16NonAnnM	2016 Static Mortality Table for Male Non-Annuitants	1	120
83	ST16OCTSPF	2016 Static Mortality - Optional Combined Table for Small Plans - Female	1	120
84	ST16OCTSPM	2016 Static Mortality - Optional Combined Table for Small Plans - Male	1	120
85	DisTab16U	2016 Table for Distributions Subject to 417(e)(3)	1	120
86	ST17AnnF	2017 Static Mortality Table for Female Annuitants	1	120
87	ST17AnnM	2017 Static Mortality Table for Male Annuitants	1	120
88	ST17NonAnnF	2017 Static Mortality Table for Female Non-Annuitants	1	120
89	ST17NonAnnM	2017 Static Mortality Table for Male Non-Annuitants	1	120
90	ST17OCTSPF	2017 Static Mortality - Optional Combined Table for Small Plans - Female	1	120

**Standard (Built-in) Mortality Tables** *(continued)*

#	Code	Name	First Age	Last Age
91	ST17OCTSPM	2017 Static Mortality - Optional Combined Table for Small Plans - Male	1	120
92	DisTab17U	2017 Table for Distributions Subject to 417(e)(3)	1	120
93	ST18AnnF	2018 Static Mortality Table for Female Annuitants	0	120
94	ST18AnnM	2018 Static Mortality Table for Male Annuitants	0	120
95	ST18NonAnnF	2018 Static Mortality Table for Female Non-Annuitants	0	120
96	ST18NonAnnM	2018 Static Mortality Table for Male Non-Annuitants	0	120
97	ST18OCTSPF	2018 Static Mortality - Optional Combined Table for Small Plans - Female	0	120
98	ST18OCTSPM	2018 Static Mortality - Optional Combined Table for Small Plans - Male	0	120
99	DisTab18U	2018 Table for Distributions Subject to 417(e)(3)	0	120
100	ST19AnnF	2019 Static Mortality Table for Female Annuitants	0	120
101	ST19AnnM	2019 Static Mortality Table for Male Annuitants	0	120
102	ST19NonAnnF	2019 Static Mortality Table for Female Non-Annuitants	0	120
103	ST19NonAnnM	2019 Static Mortality Table for Male Non-Annuitants	0	120
104	ST19OCTSPF	2019 Static Mortality - Optional Combined Table for Small Plans - Female	0	120
105	ST19OCTSPM	2019 Static Mortality - Optional Combined Table for Small Plans - Male	0	120
106	DisTab19U	2019 Table for Distributions Subject to 417(e)(3)	0	120
107	UP84	1984 Unisex Pensioners Mortality	15	111
108	UP94F	1994 US UP-94 Female	1	120
109	UP94M	1994 US UP-94 Male	1	120
110	ZERO	Zero Mortality	0	120
111	Base1992EM	1992 Base Year Rates for RP-2000 Employees - Male	1	70
112	Base1992EF	1992 Base Year Rates for RP-2000 Employees - Female	1	70
113	Base1992HAM	1992 Base Year Rates for RP-2000 Healthy Annuitants - Male	50	115
114	Base1992HAF	1992 Base Year Rates for RP-2000 Healthy Annuitants - Female	50	115
115	Base1992DRM	1992 Base Year Rates for RP-2000 Disabled Retirees - Male	21	115
116	Base1992DRF	1992 Base Year Rates for RP-2000 Disabled Retirees - Female	21	115
117	RP2000EM	RP-2000 Employee - Male (same as RP2000M-E)	1	70
118	RP2000EF	RP-2000 Employee - Female (same as RP2000F-E)	1	70
119	RP2000HAM	RP-2000 Healthy Annuitant - Male (same as RP2000M-HA)	50	120
120	RP2000HAF	RP-2000 Healthy Annuitant - Female (same as RP2000F-HA)	50	120
121	RP2000CHM	RP-2000 Combined Healthy - Male (same as RP2000M-CH)	1	120
122	RP2000CHF	RP-2000 Combined Healthy - Female (same as RP2000F-CH)	1	120
123	RP2000DRM	RP-2000 Disabled Retiree - Male (same as RP2000M-DR)	21	120
124	RP2000DRF	RP-2000 Disabled Retiree - Female (same as RP2000F-DR)	21	120
125	RP2000CHwithBCM	RP-2000 Combined Healthy with Blue Collar Adjustment - Male	1	120
126	RP2000CHwithBCF	RP-2000 Combined Healthy with Blue Collar Adjustment - Female	1	120
127	RP2000CHwithWCM	RP-2000 Combined Healthy with White Collar Adjustment - Male	1	120
128	RP2000CHwithWCF	RP-2000 Combined Healthy with White Collar Adjustment - Female	1	120
129	RP2000HAwithSBAM	RP-2000 Healthy Annuitant with Small (Benefit) Amount - Male	50	120
130	RP2000HAwithSBAF	RP-2000 Healthy Annuitant with Small (Benefit) Amount - Female	50	120
131	RP2000HAwithMBAM	RP-2000 Healthy Annuitant with Medium (Benefit) Amount - Male	50	120
132	RP2000HAwithMBAF	RP-2000 Healthy Annuitant with Medium (Benefit) Amount - Female	50	120
133	RP2000HAwithLBAM	RP-2000 Healthy Annuitant with Large (Benefit) Amount - Male	50	120
134	RP2000HAwithLBAF	RP-2000 Healthy Annuitant with Large (Benefit) Amount - Female	50	120
135	BaseNonAnn2000M	Base Non-Annuitant Mortality Rates (year 2000) under section 430 - Male	1	120

**Standard (Built-in) Mortality Tables** *(continued)*

#	Code	Name	First Age	Last Age
136	BaseNonAnn2000F	Base Non-Annuitant Mortality Rates (year 2000) under section 430 - Female	1	120
137	BaseAnn2000M	Base annuitant mortality rates (year 2000) under section 430 - Male	1	120
138	BaseAnn2000F	Base annuitant mortality rates (year 2000) under section 430 - Female	1	120
139	RP2014EEM	RP-2014 Total Dataset Employee - Male	18	80
140	RP2014HAM	RP-2014 Total Dataset Healthy Annuitant - Male	50	120
141	RP2014DRM	RP-2014 Total Dataset Disabled Retiree - Male	18	120
142	RP2014EEF	RP-2014 Total Dataset Employee - Female	18	80
143	RP2014HAF	RP-2014 Total Dataset Healthy Annuitant - Female	50	120
144	RP2014DRF	RP-2014 Total Dataset Disabled Retiree - Female	18	120
145	RP2014BCEEM	RP-2014 Blue Collar Employee - Male	18	80
146	RP2014BCHAM	RP-2014 Blue Collar Healthy Annuitant - Male	50	120
147	RP2014BCEEF	RP-2014 Blue Collar Employee - Female	18	80
148	RP2014BCHAF	RP-2014 Blue Collar Healthy Annuitant - Female	50	120
149	RP2014WCEEM	RP-2014 White Collar Employee - Male	18	80
150	RP2014WCHAM	RP-2014 White Collar Healthy Annuitant - Male	50	120
151	RP2014WCEEF	RP-2014 White Collar Employee - Female	18	80
152	RP2014WCHAF	RP-2014 White Collar Healthy Annuitant - Female	50	120
153	RP2014BQEEM	RP-2014 Bottom Quartile Employee - Male	18	80
154	RP2014BQHAM	RP-2014 Bottom Quartile Healthy Annuitant - Male	50	120
155	RP2014BQEEF	RP-2014 Bottom Quartile Employee - Female	18	80
156	RP2014BQHAF	RP-2014 Bottom Quartile Healthy Annuitant - Female	50	120
157	RP2014TQEEM	RP-2014 Top Quartile Employee - Male	18	80
158	RP2014TQHAM	RP-2014 Top Quartile Healthy Annuitant - Male	50	120
159	RP2014TQEEF	RP-2014 Top Quartile Employee - Female	18	80
160	RP2014TQHAF	RP-2014 Top Quartile Healthy Annuitant - Female	50	120
161	RP2014JuvM	RP-2014 Juvenile - Male	0	17
162	RP2014JuvF	RP-2014 Juvenile - Female	0	17
163	RPH2014EEM	RPH-2014 (headcount-weighted) Total Dataset Employee - Male	18	80
164	RPH2014HAM	RPH-2014 (headcount-weighted) Total Dataset Healthy Annuitant - Male	50	120
165	RPH2014DRM	RPH-2014 (headcount-weighted) Total Dataset Disabled Retiree - Male	18	120
166	RPH2014EEF	RPH-2014 (headcount-weighted) Total Dataset Employee - Female	18	80
167	RPH2014HAF	RPH-2014 (headcount-weighted) Total Dataset Healthy Annuitant - Female	50	120
168	RPH2014DRF	RPH-2014 (headcount-weighted) Total Dataset Disabled Retiree - Female	18	120
169	RPH2014BCEEM	RPH-2014 (headcount-weighted) Blue Collar Employee - Male	18	80
170	RPH2014BCHAM	RPH-2014 (headcount-weighted) Blue Collar Healthy Annuitant - Male	50	120
171	RPH2014BCEEF	RPH-2014 (headcount-weighted) Blue Collar Employee - Female	18	80
172	RPH2014BCHAF	RPH-2014 (headcount-weighted) Blue Collar Healthy Annuitant - Female	50	120
173	RPH2014WCEEM	RPH-2014 (headcount-weighted) White Collar Employee - Male	18	80
174	RPH2014WCHAM	RPH-2014 (headcount-weighted) White Collar Healthy Annuitant - Male	50	120
175	RPH2014WCEEF	RPH-2014 (headcount-weighted) White Collar Employee - Female	18	80
176	RPH2014WCHAF	RPH-2014 (headcount-weighted) White Collar Healthy Annuitant - Female	50	120
177	RPH2014BQEEM	RPH-2014 (headcount-weighted) Bottom Quartile Employee - Male	18	80
178	RPH2014BQHAM	RPH-2014 (headcount-weighted) Bottom Quartile Healthy Annuitant - Male	50	120
179	RPH2014BQEEF	RPH-2014 (headcount-weighted) Bottom Quartile Employee - Female	18	80
180	RPH2014BQHAF	RPH-2014 (headcount-weighted) Bottom Quartile Healthy Annuitant - Female	50	120

**Standard (Built-in) Mortality Tables** *(continued)*

#	Code	Name	First Age	Last Age
181	RPH2014TQEEM	RPH-2014 (headcount-weighted) Top Quartile Employee - Male	18	80
182	RPH2014TQHAM	RPH-2014 (headcount-weighted) Top Quartile Healthy Annuitant - Male	50	120
183	RPH2014TQEEF	RPH-2014 (headcount-weighted) Top Quartile Employee - Female	18	80
184	RPH2014TQHAF	RPH-2014 (headcount-weighted) Top Quartile Healthy Annuitant - Female	50	120
185	RPH2014JuvM	RPH-2014 (headcount-weighted) Juvenile - Male	0	17
186	RPH2014JuvF	RPH-2014 (headcount-weighted) Juvenile - Female	0	17
187	BaseNonAnn2006M	Base Non-Annuitant Mortality Rates (year 2006) under section 430 - Male	0	120
188	BaseNonAnn2006F	Base Non-Annuitant Mortality Rates (year 2006) under section 430 - Female	0	120
189	BaseAnn2006M	Base annuitant mortality rates (year 2006) under section 430 - Male	0	120
190	BaseAnn2006F	Base annuitant mortality rates (year 2006) under section 430 - Female	0	120
191	ST18AnnF-opt	2018 Static Mortality Table for Female Annuitants (pre TD 9826)	1	120
192	ST18AnnM-opt	2018 Static Mortality Table for Male Annuitants (pre TD 9826)	1	120
193	ST18NonAnnF-opt	2018 Static Mortality Table for Female Non-Annuitants (pre TD 9826)	1	120
194	ST18NonAnnM-opt	2018 Static Mortality Table for Male Non-Annuitants (pre TD 9826)	1	120
195	ST18OCTSPF-opt	2018 Static Mortality - Optional Combined Table for Small Plans - Female (pre TD 9826)	1	120
196	ST18OCTSPM-opt	2018 Static Mortality - Optional Combined Table for Small Plans - Male (pre TD 9826)	1	120

**Standard (Built-in) Scale Tables**

#	Code	Name	First Age	Last Age
1	ScaleAAMale	Projection Scale AA - Male	1	120
2	ScaleAAFemale	Projection Scale AA - Female	1	120
3	ScaleBBMale	Projection Scale BB - Male	20	120
4	ScaleBBFemale	Projection Scale BB - Female	20	120

**Standard (Built-in) 2d Scale Tables**

#	Code	Name	First Age	Last Age	First CY	Last CY
1	ScaleBB2DMale	Projection Scale BB-2D Male	20	120	1950	2030
2	ScaleBB2DFemale	Projection Scale BB-2D Female	20	120	1950	2030
3	ScaleMP2014Male	Projection Scale MP-2014 Male	0	120	1951	2030
4	ScaleMP2014Female	Projection Scale MP-2014 Female	0	120	1951	2030
5	ScaleMP2015Male	Projection Scale MP-2015 Male	0	120	1951	2030
6	ScaleMP2015Female	Projection Scale MP-2015 Female	0	120	1951	2030
7	ScaleMP2016Male	Projection Scale MP-2016 Male	0	120	1951	2032
8	ScaleMP2016Female	Projection Scale MP-2016 Female	0	120	1951	2032
9	ScaleMP2017Male	Projection Scale MP-2017 Male	0	120	1951	2033
10	ScaleMP2017Female	Projection Scale MP-2017 Female	0	120	1951	2033
11	ScaleMP2018Male	Projection Scale MP-2018 Male	0	120	1951	2034
12	ScaleMP2018Female	Projection Scale MP-2018 Female	0	120	1951	2034