

**§ 1.401(a)(9)-9 Life expectancy and distribution period tables.**

Q-1. What is the life expectancy for an individual for purposes of determining required minimum distributions under section 401(a)(9)?

A-1 The following table, referred to as the Single Life Table, is used for determining the life expectancy of an individual:

Age	Life expectancy
0	82.4
1	81.6
2	80.6
3	79.7
4	78.7
5	77.7
6	76.7
7	75.8
8	74.8
9	73.8
10	72.8
11	71.8
12	70.8
13	69.9
14	68.9
15	67.9
16	66.9
17	66.0
18	65.0
19	64.0
20	63.0
21	62.1
22	61.1
23	60.1
24	59.1
25	58.2
26	57.2
27	56.2
28	55.3
29	54.3
30	53.3
31	52.4
32	51.4
33	50.4
34	49.4
35	48.5
36	47.5
37	46.5
38	45.6
39	44.6
40	43.6
41	42.7
42	41.7
43	40.7
44	39.8
45	38.8
46	37.9
47	37.0
48	36.0
49	35.1
50	34.2
51	33.3
52	32.3
53	31.4
54	30.5
55	29.6
56	28.7

SINGLE LIFE TABLE—Continued

Age	Life expectancy
57	27.9
58	27.0
59	26.1
60	25.2
61	24.4
62	23.5
63	22.7
64	21.8
65	21.0
66	20.2
67	19.4
68	18.6
69	17.8
70	17.0
71	16.3
72	15.5
73	14.8
74	14.1
75	13.4
76	12.7
77	12.1
78	11.4
79	10.8
80	10.2
81	9.7
82	9.1
83	8.6
84	8.1
85	7.6
86	7.1
87	6.7
88	6.3
89	5.9
90	5.5
91	5.2
92	4.9
93	4.6
94	4.3
95	4.1
96	3.8
97	3.6
98	3.4
99	3.1
100	2.9
101	2.7
102	2.5
103	2.3
104	2.1
105	1.9
106	1.7
107	1.5
108	1.4
109	1.2
110	1.1
111 +	1.0

Q-2. What is the applicable distribution period for an individual account for purposes of determining required minimum distributions during an employee's lifetime under section 401(a)(9)?

A-2. Table for determining distribution period. The following table, referred to as the Uniform Lifetime Table, is used for determining the distribution period

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for lifetime distributions to an employee in situations in which the employee's spouse is either not the sole designated beneficiary or is the sole designated beneficiary but is not more than 10 years younger than the employee.

UNIFORM LIFETIME TABLE

Age of employee	Distribution period
70	27.4
71	26.5
72	25.6
73	24.7
74	23.8
75	22.9
76	22.0
77	21.2
78	20.3
79	19.5
80	18.7
81	17.9
82	17.1
83	16.3
84	15.5
85	14.8
86	14.1
87	13.4
88	12.7
89	12.0
90	11.4
91	10.8
92	10.2
93	9.6
94	9.1

UNIFORM LIFETIME TABLE—Continued

Age of employee	Distribution period
95	8.6
96	8.1
97	7.6
98	7.1
99	6.7
100	6.3
101	5.9
102	5.5
103	5.2
104	4.9
105	4.5
106	4.2
107	3.9
108	3.7
109	3.4
110	3.1
111	2.9
112	2.6
113	2.4
114	2.1
115 +	1.9

Q-3. What is the joint life and last survivor expectancy of an individual and beneficiary for purposes of determining required minimum distributions under section 401(a)(9)?

A-3. The following table, referred to as the Joint and Last Survivor Table, is used for determining the joint and last survivor life expectancy of two individuals:

JOINT AND LAST SURVIVOR TABLE

Ages	0	1	2	3	4	5	6	7	8	9
0	90.0	89.5	89.0	88.6	88.2	87.8	87.4	87.1	86.8	86.5
1	89.5	89.0	88.5	88.1	87.6	87.2	86.8	86.5	86.1	85.8
2	89.0	88.5	88.0	87.5	87.1	86.6	86.2	85.8	85.5	85.1
3	88.6	88.1	87.5	87.0	86.5	86.1	85.6	85.2	84.8	84.5
4	88.2	87.6	87.1	86.5	86.0	85.5	85.1	84.6	84.2	83.8
5	87.8	87.2	86.6	86.1	85.5	85.0	84.5	84.1	83.6	83.2
6	87.4	86.8	86.2	85.6	85.1	84.5	84.0	83.5	83.1	82.6
7	87.1	86.5	85.8	85.2	84.6	84.1	83.5	83.0	82.5	82.1
8	86.8	86.1	85.5	84.8	84.2	83.6	83.1	82.5	82.0	81.6
9	86.5	85.8	85.1	84.5	83.8	83.2	82.6	82.1	81.6	81.0
10	86.2	85.5	84.8	84.1	83.5	82.8	82.2	81.6	81.1	80.6
11	85.9	85.2	84.5	83.8	83.1	82.5	81.8	81.2	80.7	80.1
12	85.7	84.9	84.2	83.5	82.8	82.1	81.5	80.8	80.2	79.7
13	85.4	84.7	84.0	83.2	82.5	81.8	81.1	80.5	79.9	79.2
14	85.2	84.5	83.7	83.0	82.2	81.5	80.8	80.1	79.5	78.9
15	85.0	84.3	83.5	82.7	82.0	81.2	80.5	79.8	79.1	78.5
16	84.9	84.1	83.3	82.5	81.7	81.0	80.2	79.5	78.8	78.1
17	84.7	83.9	83.1	82.3	81.5	80.7	80.0	79.2	78.5	77.8
18	84.5	83.7	82.9	82.1	81.3	80.5	79.7	79.0	78.2	77.5
19	84.4	83.6	82.7	81.9	81.1	80.3	79.5	78.7	78.0	77.3
20	84.3	83.4	82.6	81.8	80.9	80.1	79.3	78.5	77.7	77.0
21	84.1	83.3	82.4	81.6	80.8	79.9	79.1	78.3	77.5	76.8
22	84.0	83.2	82.3	81.5	80.6	79.8	78.9	78.1	77.3	76.5
23	83.9	83.1	82.2	81.3	80.5	79.6	78.8	77.9	77.1	76.3
24	83.8	83.0	82.1	81.2	80.3	79.5	78.6	77.8	77.0	76.1
25	83.7	82.9	82.0	81.1	80.2	79.3	78.5	77.6	76.8	75.9
26	83.6	82.8	81.9	81.0	80.1	79.2	78.3	77.5	76.6	75.8
27	83.6	82.7	81.8	80.9	80.0	79.1	78.2	77.4	76.5	75.6
28	83.5	82.6	81.7	80.8	79.9	79.0	78.1	77.2	76.4	75.5
29	83.4	82.6	81.6	80.7	79.8	78.9	78.0	77.1	76.2	75.4
30	83.4	82.5	81.6	80.7	79.7	78.8	77.9	77.0	76.1	75.2

JOINT AND LAST SURVIVOR TABLE—Continued

Ages	0	1	2	3	4	5	6	7	8	9
31	83.3	82.4	81.5	80.6	79.7	78.8	77.8	76.9	76.0	75.1
32	83.3	82.4	81.5	80.5	79.6	78.7	77.8	76.8	75.9	75.0
33	83.2	82.3	81.4	80.5	79.5	78.6	77.7	76.8	75.9	74.9
34	83.2	82.3	81.3	80.4	79.5	78.5	77.6	76.7	75.8	74.9
35	83.1	82.2	81.3	80.4	79.4	78.5	77.6	76.6	75.7	74.8
36	83.1	82.2	81.3	80.3	79.4	78.4	77.5	76.6	75.6	74.7
37	83.0	82.2	81.2	80.3	79.3	78.4	77.4	76.5	75.6	74.6
38	83.0	82.1	81.2	80.2	79.3	78.3	77.4	76.4	75.5	74.6
39	83.0	82.1	81.1	80.2	79.2	78.3	77.3	76.4	75.5	74.5
40	82.9	82.1	81.1	80.2	79.2	78.3	77.3	76.4	75.4	74.5
41	82.9	82.0	81.1	80.1	79.2	78.2	77.3	76.3	75.4	74.4
42	82.9	82.0	81.1	80.1	79.1	78.2	77.2	76.3	75.3	74.4
43	82.9	82.0	81.0	80.1	79.1	78.2	77.2	76.2	75.3	74.3
44	82.8	81.9	81.0	80.0	79.1	78.1	77.2	76.2	75.2	74.3
45	82.8	81.9	81.0	80.0	79.1	78.1	77.1	76.2	75.2	74.3
46	82.8	81.9	81.0	80.0	79.0	78.1	77.1	76.1	75.2	74.2
47	82.8	81.9	80.9	80.0	79.0	78.0	77.1	76.1	75.2	74.2
48	82.8	81.9	80.9	80.0	79.0	78.0	77.1	76.1	75.1	74.2
49	82.7	81.8	80.9	79.9	79.0	78.0	77.0	76.1	75.1	74.1
50	82.7	81.8	80.9	79.9	79.0	78.0	77.0	76.0	75.1	74.1
51	82.7	81.8	80.9	79.9	78.9	78.0	77.0	76.0	75.1	74.1
52	82.7	81.8	80.9	79.9	78.9	78.0	77.0	76.0	75.0	74.1
53	82.7	81.8	80.8	79.9	78.9	77.9	77.0	76.0	75.0	74.0
54	82.7	81.8	80.8	79.9	78.9	77.9	76.9	76.0	75.0	74.0
55	82.6	81.8	80.8	79.8	78.9	77.9	76.9	76.0	75.0	74.0
56	82.6	81.7	80.8	79.8	78.9	77.9	76.9	75.9	75.0	74.0
57	82.6	81.7	80.8	79.8	78.9	77.9	76.9	75.9	75.0	74.0
58	82.6	81.7	80.8	79.8	78.8	77.9	76.9	75.9	74.9	74.0
59	82.6	81.7	80.8	79.8	78.8	77.9	76.9	75.9	74.9	74.0
60	82.6	81.7	80.8	79.8	78.8	77.8	76.9	75.9	74.9	73.9
61	82.6	81.7	80.8	79.8	78.8	77.8	76.9	75.9	74.9	73.9
62	82.6	81.7	80.7	79.8	78.8	77.8	76.9	75.9	74.9	73.9
63	82.6	81.7	80.7	79.8	78.8	77.8	76.8	75.9	74.9	73.9
64	82.5	81.7	80.7	79.8	78.8	77.8	76.8	75.9	74.9	73.9
65	82.5	81.7	80.7	79.8	78.8	77.8	76.8	75.8	74.9	73.9
66	82.5	81.7	80.7	79.7	78.8	77.8	76.8	75.8	74.9	73.9
67	82.5	81.7	80.7	79.7	78.8	77.8	76.8	75.8	74.9	73.9
68	82.5	81.6	80.7	79.7	78.8	77.8	76.8	75.8	74.8	73.9
69	82.5	81.6	80.7	79.7	78.8	77.8	76.8	75.8	74.8	73.9
70	82.5	81.6	80.7	79.7	78.8	77.8	76.8	75.8	74.8	73.9
71	82.5	81.6	80.7	79.7	78.7	77.8	76.8	75.8	74.8	73.8
72	82.5	81.6	80.7	79.7	78.7	77.8	76.8	75.8	74.8	73.8
73	82.5	81.6	80.7	79.7	78.7	77.8	76.8	75.8	74.8	73.8
74	82.5	81.6	80.7	79.7	78.7	77.8	76.8	75.8	74.8	73.8
75	82.5	81.6	80.7	79.7	78.7	77.8	76.8	75.8	74.8	73.8
76	82.5	81.6	80.7	79.7	78.7	77.8	76.8	75.8	74.8	73.8
77	82.5	81.6	80.7	79.7	78.7	77.7	76.8	75.8	74.8	73.8
78	82.5	81.6	80.7	79.7	78.7	77.7	76.8	75.8	74.8	73.8
79	82.5	81.6	80.7	79.7	78.7	77.7	76.8	75.8	74.8	73.8
80	82.5	81.6	80.7	79.7	78.7	77.7	76.8	75.8	74.8	73.8
81	82.4	81.6	80.7	79.7	78.7	77.7	76.8	75.8	74.8	73.8
82	82.4	81.6	80.7	79.7	78.7	77.7	76.8	75.8	74.8	73.8
83	82.4	81.6	80.7	79.7	78.7	77.7	76.8	75.8	74.8	73.8
84	82.4	81.6	80.7	79.7	78.7	77.7	76.8	75.8	74.8	73.8
85	82.4	81.6	80.6	79.7	78.7	77.7	76.8	75.8	74.8	73.8
86	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
87	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
88	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
89	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
90	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
91	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
92	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
93	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
94	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
95	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
96	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
97	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
98	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
99	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
100	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
101	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
102	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8

JOINT AND LAST SURVIVOR TABLE—Continued

Ages	0	1	2	3	4	5	6	7	8	9
103 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
104 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
105 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
106 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
107 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
108 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
109 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
110 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
111 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
112 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
113 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
114 .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8
115 + .....	82.4	81.6	80.6	79.7	78.7	77.7	76.7	75.8	74.8	73.8

Ages	10	11	12	13	14	15	16	17	18	19
10	80.0	79.6	79.1	78.7	78.2	77.9	77.5	77.2	76.8	76.5
11	79.6	79.0	78.6	78.1	77.7	77.3	76.9	76.5	76.2	75.8
12	79.1	78.6	78.1	77.6	77.1	76.7	76.3	75.9	75.5	75.2
13	78.7	78.1	77.6	77.1	76.6	76.1	75.7	75.3	74.9	74.5
14	78.2	77.7	77.1	76.6	76.1	75.6	75.1	74.7	74.3	73.9
15	77.9	77.3	76.7	76.2	75.6	75.1	74.6	74.1	73.7	73.3
16	77.5	76.9	76.3	75.7	75.1	74.6	74.1	73.6	73.1	72.7
17	77.2	76.5	75.9	75.3	74.7	74.3	73.6	73.1	72.6	72.1
18	76.8	76.2	75.5	74.9	74.3	73.7	73.1	72.6	72.1	71.6
19	76.5	75.8	75.2	74.5	73.9	73.3	72.7	72.1	71.6	71.1
20	76.3	75.5	74.8	74.2	73.5	72.9	72.3	71.7	71.1	70.6
21	76.0	75.3	74.5	73.8	73.2	72.5	71.9	71.3	70.7	70.1
22	75.8	75.0	74.3	73.5	72.9	72.2	71.5	70.9	70.3	69.7
23	75.5	74.8	74.0	73.3	72.6	71.9	71.2	70.5	69.9	69.3
24	75.3	74.5	73.8	73.0	72.3	71.6	70.9	70.2	69.5	68.9
25	75.1	74.3	73.5	72.8	72.0	71.3	70.6	69.9	69.2	68.5
26	75.0	74.1	73.3	72.5	71.8	71.0	70.3	69.6	68.9	68.2
27	74.8	74.0	73.1	72.3	71.6	70.8	70.0	69.3	68.6	67.9
28	74.6	73.8	73.0	72.2	71.3	70.6	69.8	69.0	68.3	67.6
29	74.5	73.6	72.8	72.0	71.2	70.4	69.6	68.8	68.0	67.3
30	74.4	73.5	72.7	71.8	71.0	70.2	69.4	68.6	67.8	67.1
31	74.3	73.4	72.5	71.7	70.8	70.0	69.2	68.4	67.6	66.8
32	74.1	73.3	72.4	71.5	70.7	69.8	69.0	68.2	67.4	66.6
33	74.0	73.2	72.3	71.4	70.5	69.7	68.8	68.0	67.2	66.4
34	73.9	73.0	72.2	71.3	70.4	69.5	68.7	67.8	67.0	66.2
35	73.8	72.9	72.1	71.2	70.3	69.4	68.5	67.7	66.8	66.0
36	73.7	72.8	72.0	71.1	70.2	69.3	68.4	67.6	66.7	65.9
37	73.7	72.7	71.8	70.9	70.0	69.2	68.3	67.4	66.6	65.7
38	73.6	72.7	71.7	70.8	69.9	69.0	68.1	67.2	66.3	65.4
39	73.6	72.6	71.7	70.7	69.8	68.9	68.0	67.1	66.2	65.3
40	73.5	72.6	71.6	70.7	69.7	68.8	67.9	67.0	66.1	65.2
41	73.5	72.5	71.6	70.6	69.7	68.8	67.8	66.9	66.0	65.0
42	73.4	72.4	71.5	70.6	69.6	68.7	67.8	66.8	65.9	65.0
43	73.4	72.4	71.4	70.5	69.6	68.6	67.7	66.8	65.9	64.9
44	73.3	72.3	71.4	70.5	69.5	68.6	67.6	66.7	65.8	64.9
45	73.3	72.3	71.4	70.4	69.5	68.5	67.6	66.6	65.7	64.8
46	73.3	72.3	71.3	70.4	69.4	68.5	67.5	66.6	65.7	64.7
47	73.2	72.3	71.3	70.3	69.4	68.4	67.5	66.5	65.6	64.7
48	73.2	72.2	71.3	70.3	69.3	68.4	67.4	66.5	65.6	64.6
49	73.2	72.2	71.2	70.3	69.3	68.4	67.4	66.5	65.5	64.6
50	73.1	72.2	71.2	70.3	69.3	68.3	67.4	66.4	65.5	64.5
51	73.1	72.2	71.2	70.2	69.2	68.3	67.3	66.4	65.4	64.5
52	73.1	72.1	71.1	70.2	69.2	68.3	67.3	66.3	65.4	64.4
53	73.1	72.1	71.1	70.2	69.2	68.2	67.3	66.3	65.4	64.4
54	73.0	72.1	71.1	70.1	69.2	68.2	67.2	66.3	65.3	64.4
55	73.0	72.1	71.1	70.1	69.2	68.2	67.2	66.3	65.3	64.3
56	73.0	72.1	71.1	70.1	69.1	68.2	67.2	66.3	65.3	64.3
57	73.0	72.0	71.1	70.1	69.1	68.2	67.2	66.2	65.3	64.3

Ages	10	11	12	13	14	15	16	17	18	19
58	73.0	72.0	71.0	70.1	69.1	68.1	67.2	66.2	65.2	64.3
59	73.0	72.0	71.0	70.1	69.1	68.1	67.2	66.2	65.2	64.3
60	73.0	72.0	71.0	70.0	69.1	68.1	67.1	66.2	65.2	64.2
61	73.0	72.0	71.0	70.0	69.0	68.1	67.1	66.1	65.2	64.2
62	72.9	72.0	71.0	70.0	69.0	68.1	67.1	66.1	65.2	64.2
63	72.9	72.0	71.0	70.0	69.0	68.0	67.1	66.1	65.1	64.2
64	72.9	71.9	71.0	70.0	69.0	68.0	67.1	66.1	65.1	64.2
65	72.9	71.9	70.9	70.0	69.0	68.0	67.1	66.1	65.1	64.1
66	72.9	71.9	70.9	70.0	69.0	68.0	67.0	66.1	65.1	64.1
67	72.9	71.9	70.9	70.0	69.0	68.0	67.0	66.1	65.1	64.1
68	72.9	71.9	70.9	70.0	69.0	68.0	67.0	66.1	65.1	64.1
69	72.9	71.9	70.9	69.9	69.0	68.0	67.0	66.1	65.1	64.1
70	72.9	71.9	70.9	69.9	69.0	68.0	67.0	66.0	65.1	64.1
71	72.9	71.9	70.9	69.9	69.0	68.0	67.0	66.0	65.1	64.1
72	72.9	71.9	70.9	69.9	69.0	68.0	67.0	66.0	65.1	64.1
73	72.9	71.9	70.9	69.9	68.9	68.0	67.0	66.0	65.0	64.1
74	72.9	71.9	70.9	69.9	68.9	68.0	67.0	66.0	65.0	64.1
75	72.8	71.9	70.9	69.9	68.9	68.0	67.0	66.0	65.0	64.1
76	72.8	71.9	70.9	69.9	68.9	68.0	67.0	66.0	65.0	64.1
77	72.8	71.9	70.9	69.9	68.9	68.0	67.0	66.0	65.0	64.1
78	72.8	71.9	70.9	69.9	68.9	67.9	67.0	66.0	65.0	64.0
79	72.8	71.9	70.9	69.9	68.9	67.9	67.0	66.0	65.0	64.0
80	72.8	71.9	70.9	69.9	68.9	67.9	67.0	66.0	65.0	64.0
81	72.8	71.8	70.9	69.9	68.9	67.9	67.0	66.0	65.0	64.0
82	72.8	71.8	70.9	69.9	68.9	67.9	67.0	66.0	65.0	64.0
83	72.8	71.8	70.9	69.9	68.9	67.9	67.0	66.0	65.0	64.0
84	72.8	71.8	70.9	69.9	68.9	67.9	66.9	66.0	65.0	64.0
85	72.8	71.8	70.9	69.9	68.9	67.9	66.9	66.0	65.0	64.0
86	72.8	71.8	70.9	69.9	68.9	67.9	66.9	66.0	65.0	64.0
87	72.8	71.8	70.9	69.9	68.9	67.9	66.9	66.0	65.0	64.0
88	72.8	71.8	70.9	69.9	68.9	67.9	66.9	66.0	65.0	64.0
89	72.8	71.8	70.9	69.9	68.9	67.9	66.9	66.0	65.0	64.0
90	72.8	71.8	70.9	69.9	68.9	67.9	66.9	66.0	65.0	64.0
91	72.8	71.8	70.9	69.9	68.9	67.9	66.9	66.0	65.0	64.0
92	72.8	71.8	70.9	69.9	68.9	67.9	66.9	66.0	65.0	64.0
93	72.8	71.8	70.9	69.9	68.9	67.9	66.9	66.0	65.0	64.0
94	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
95	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
96	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
97	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
98	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
99	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
100	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
101	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
102	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
103	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
104	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
105	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0

	20	21	22	23	24	25	26	27	28	29
106 .....	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
107 .....	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
108 .....	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
109 .....	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
110 .....	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
111 .....	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
112 .....	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
113 .....	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
114 .....	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
115 + .....	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
Ages										
20 .....	70.1	69.6	69.1	68.7	68.3	67.9	67.5	67.2	66.9	66.6
21 .....	69.6	69.1	68.6	68.2	67.7	67.3	66.9	66.6	66.2	65.9
22 .....	69.1	68.6	68.1	67.6	67.2	66.7	66.3	66.0	65.6	65.2
23 .....	68.7	68.2	67.9	67.1	66.6	66.2	65.7	65.3	64.9	64.6
24 .....	68.3	67.7	67.2	66.6	66.1	65.6	65.2	64.7	64.3	63.9
25 .....	67.9	67.3	66.7	66.2	65.6	65.1	64.6	64.2	63.7	63.3
26 .....	67.5	66.9	66.3	65.7	65.2	64.6	64.1	63.6	63.2	62.8
27 .....	67.2	66.6	65.9	65.3	64.7	64.2	63.6	63.1	62.7	62.2
28 .....	66.9	66.2	65.6	65.0	64.3	63.7	63.2	62.7	62.1	61.7
29 .....	66.6	65.9	65.2	64.6	63.9	63.3	62.8	62.2	61.7	61.2
30 .....	66.3	65.6	64.9	64.2	63.6	62.9	62.3	61.8	61.2	60.7
31 .....	66.1	65.3	64.6	63.9	63.2	62.6	62.0	61.4	60.8	60.2
32 .....	65.8	65.1	64.3	63.6	62.9	62.2	61.6	61.0	60.4	59.8
33 .....	65.6	64.8	64.1	63.3	62.6	61.9	61.3	60.6	60.0	59.4
34 .....	65.4	64.6	63.8	63.1	62.3	61.6	60.9	60.3	59.6	59.0
35 .....	65.2	64.4	63.6	62.8	62.1	61.4	60.6	59.9	59.3	58.6
36 .....	65.0	64.2	63.4	62.6	61.9	61.1	60.4	59.6	59.0	58.3
37 .....	64.9	64.0	63.2	62.4	61.6	60.9	60.1	59.4	58.7	58.0
38 .....	64.7	63.9	63.0	62.2	61.4	60.6	59.9	59.1	58.4	57.7
39 .....	64.6	63.7	62.9	62.1	61.2	60.4	59.6	58.9	58.1	57.4
40 .....	64.4	63.6	62.7	61.9	61.1	60.2	59.4	58.7	57.9	57.1
41 .....	64.3	63.5	62.6	61.7	60.9	60.1	59.3	58.5	57.7	56.9
42 .....	64.2	63.3	62.5	61.6	60.8	59.9	59.1	58.3	57.5	56.7
43 .....	64.1	63.2	62.4	61.5	60.6	59.8	58.9	58.1	57.3	56.5
44 .....	64.0	63.1	62.2	61.4	60.5	59.6	58.8	57.9	57.1	56.3
45 .....	64.0	63.0	62.2	61.3	60.4	59.5	58.6	57.8	56.9	56.1
46 .....	63.9	63.0	62.1	61.2	60.3	59.4	58.5	57.7	56.8	56.0
47 .....	63.8	62.9	62.0	61.1	60.2	59.3	58.4	57.5	56.7	55.8
48 .....	63.7	62.8	61.9	61.0	60.1	59.2	58.3	57.4	56.5	55.7
49 .....	63.7	62.8	61.8	60.9	60.0	59.1	58.2	57.3	56.4	55.6
50 .....	63.6	62.7	61.8	60.8	59.9	59.0	58.1	57.2	56.3	55.4
51 .....	63.6	62.6	61.7	60.7	59.8	58.9	58.0	57.1	56.2	55.3
52 .....	63.5	62.6	61.6	60.6	59.7	58.8	57.9	57.0	56.1	55.2
53 .....	63.5	62.5	61.6	60.6	59.7	58.8	57.8	56.9	56.0	55.1
54 .....	63.5	62.5	61.6	60.6	59.7	58.8	57.8	56.8	55.9	55.0
55 .....	63.4	62.5	61.5	60.6	59.6	58.7	57.8	56.8	55.9	55.0
56 .....	63.4	62.4	61.5	60.5	59.6	58.7	57.7	56.8	55.9	54.9

Ages	20	21	22	23	24	25	26	27	28	29
57	63.4	62.4	61.5	60.5	59.6	58.6	57.7	56.7	55.8	54.9
58	63.3	62.4	61.4	60.5	59.5	58.6	57.6	56.7	55.8	54.8
59	63.3	62.3	61.4	60.4	59.5	58.5	57.6	56.7	55.7	54.8
60	63.3	62.3	61.4	60.4	59.5	58.5	57.6	56.6	55.7	54.7
61	63.3	62.3	61.3	60.4	59.4	58.5	57.5	56.6	55.6	54.7
62	63.2	62.3	61.3	60.4	59.4	58.4	57.5	56.5	55.6	54.7
63	63.2	62.3	61.3	60.3	59.4	58.4	57.4	56.5	55.6	54.6
64	63.2	62.2	61.3	60.3	59.4	58.4	57.4	56.5	55.5	54.6
65	63.2	62.2	61.3	60.3	59.3	58.4	57.4	56.5	55.5	54.6
66	63.2	62.2	61.2	60.3	59.3	58.4	57.4	56.4	55.5	54.5
67	63.2	62.2	61.2	60.3	59.3	58.3	57.4	56.4	55.5	54.5
68	63.1	62.2	61.2	60.2	59.3	58.3	57.4	56.4	55.4	54.5
69	63.1	62.2	61.2	60.2	59.3	58.3	57.3	56.4	55.4	54.5
70	63.1	62.2	61.2	60.2	59.3	58.3	57.3	56.4	55.4	54.4
71	63.1	62.1	61.2	60.2	59.2	58.3	57.3	56.4	55.4	54.4
72	63.1	62.1	61.2	60.2	59.2	58.3	57.3	56.3	55.4	54.4
73	63.1	62.1	61.2	60.2	59.2	58.3	57.3	56.3	55.4	54.4
74	63.1	62.1	61.2	60.2	59.2	58.2	57.3	56.3	55.4	54.4
75	63.1	62.1	61.1	60.2	59.2	58.2	57.3	56.3	55.3	54.4
76	63.1	62.1	61.1	60.2	59.2	58.2	57.3	56.3	55.3	54.4
77	63.1	62.1	61.1	60.2	59.2	58.2	57.3	56.3	55.3	54.4
78	63.1	62.1	61.1	60.2	59.2	58.2	57.3	56.3	55.3	54.4
79	63.1	62.1	61.1	60.2	59.2	58.2	57.2	56.3	55.3	54.3
80	63.1	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
81	63.1	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
82	63.1	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
83	63.1	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
84	63.0	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
85	63.0	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
86	63.0	62.1	61.1	60.1	59.2	58.2	57.2	56.2	55.3	54.3
87	63.0	62.1	61.1	60.1	59.2	58.2	57.2	56.2	55.3	54.3
88	63.0	62.1	61.1	60.1	59.2	58.2	57.2	56.2	55.3	54.3
89	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
90	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
91	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
92	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
93	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
94	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
95	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
96	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
97	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
98	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
99	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
100	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
101	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
102	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
103	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
104	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3



	30	31	32	33	34	35	36	37	38	39
105 .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
106 .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
107 .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
108 .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
109 .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
110 .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
111 .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
112 .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
113 .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
114 .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
115 + .....	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
Ages										
30 .....	60.2	59.7	59.2	58.8	58.4	58.0	57.6	57.3	57.0	56.7
31 .....	59.7	59.2	58.7	58.2	57.8	57.4	57.0	56.6	56.3	56.0
32 .....	59.2	58.7	58.2	57.7	57.2	56.8	56.4	56.0	55.6	55.3
33 .....	58.8	58.2	57.7	57.2	56.7	56.2	55.8	55.4	55.0	54.7
34 .....	58.4	57.8	57.2	56.7	56.2	55.7	55.3	54.8	54.4	54.0
35 .....	58.0	57.4	56.8	56.2	55.7	55.2	54.7	54.3	53.8	53.4
36 .....	57.6	57.0	56.4	55.8	55.3	54.7	54.2	53.7	53.3	52.8
37 .....	57.3	56.6	56.0	55.4	54.8	54.3	53.7	53.2	52.7	52.3
38 .....	57.0	56.3	55.6	55.0	54.4	53.8	53.3	52.7	52.2	51.7
39 .....	56.7	56.0	55.3	54.7	54.0	53.4	52.8	52.3	51.7	51.2
40 .....	56.4	55.7	55.0	54.3	53.7	53.0	52.4	51.8	51.3	50.8
41 .....	56.1	55.4	54.7	54.0	53.3	52.7	52.0	51.4	50.9	50.3
42 .....	55.9	55.2	54.4	53.7	53.0	52.3	51.7	51.1	50.4	49.9
43 .....	55.7	54.9	54.2	53.4	52.7	52.0	51.3	50.7	50.1	49.5
44 .....	55.5	54.7	53.9	53.2	52.4	51.7	51.0	50.4	49.7	49.1
45 .....	55.3	54.5	53.7	52.9	52.2	51.5	50.7	50.0	49.4	48.7
46 .....	55.1	54.3	53.5	52.7	52.0	51.2	50.5	49.8	49.1	48.4
47 .....	55.0	54.1	53.3	52.5	51.7	51.0	50.2	49.5	48.8	48.1
48 .....	54.8	54.0	53.2	52.3	51.5	50.8	50.0	49.2	48.5	47.8
49 .....	54.7	53.8	53.0	52.2	51.4	50.6	49.8	49.0	48.2	47.5
50 .....	54.6	53.7	52.9	52.0	51.2	50.4	49.6	48.8	48.0	47.3
51 .....	54.5	53.6	52.7	51.9	51.0	50.2	49.4	48.6	47.8	47.0
52 .....	54.4	53.5	52.6	51.7	50.9	50.0	49.2	48.4	47.6	46.8
53 .....	54.3	53.4	52.5	51.6	50.8	49.9	49.1	48.2	47.4	46.6
54 .....	54.2	53.3	52.4	51.5	50.6	49.8	48.9	48.1	47.2	46.4
55 .....	54.1	53.2	52.3	51.4	50.5	49.7	48.8	47.9	47.1	46.3
56 .....	54.0	53.1	52.2	51.3	50.4	49.5	48.7	47.8	47.0	46.1
57 .....	54.0	53.0	52.1	51.2	50.3	49.4	48.6	47.7	46.8	46.0
58 .....	53.9	53.0	52.1	51.2	50.3	49.4	48.5	47.6	46.7	45.8
59 .....	53.8	52.9	52.0	51.1	50.2	49.3	48.4	47.5	46.6	45.7
60 .....	53.8	52.9	51.9	51.0	50.1	49.2	48.3	47.4	46.5	45.6
61 .....	53.8	52.8	51.9	51.0	50.0	49.1	48.2	47.3	46.4	45.5
62 .....	53.7	52.8	51.8	50.9	50.0	49.1	48.1	47.2	46.3	45.4
63 .....	53.7	52.7	51.8	50.9	49.9	49.0	48.1	47.2	46.3	45.3
64 .....	53.6	52.7	51.8	50.8	49.9	49.0	48.0	47.1	46.2	45.3
65 .....	53.6	52.7	51.7	50.8	49.8	48.9	48.0	47.0	46.1	45.2

Ages	30	31	32	33	34	35	36	37	38	39
66	53.6	52.6	51.7	50.7	49.8	48.9	47.9	47.0	46.1	45.1
67	53.6	52.6	51.7	50.7	49.8	48.8	47.9	46.9	46.0	45.1
68	53.5	52.6	51.6	50.7	49.7	48.8	47.8	46.9	46.0	45.0
69	53.5	52.5	51.6	50.6	49.7	48.7	47.8	46.8	45.9	45.0
70	53.5	52.5	51.6	50.6	49.6	48.7	47.7	46.8	45.9	44.9
71	53.5	52.5	51.5	50.6	49.6	48.7	47.7	46.8	45.9	44.9
72	53.4	52.5	51.5	50.6	49.6	48.6	47.7	46.7	45.8	44.8
73	53.4	52.5	51.5	50.6	49.6	48.6	47.7	46.7	45.8	44.8
74	53.4	52.5	51.5	50.5	49.6	48.6	47.7	46.7	45.8	44.8
75	53.4	52.5	51.5	50.5	49.6	48.6	47.7	46.7	45.7	44.8
76	53.4	52.4	51.5	50.5	49.6	48.6	47.6	46.7	45.7	44.8
77	53.4	52.4	51.5	50.5	49.5	48.6	47.6	46.7	45.7	44.8
78	53.4	52.4	51.5	50.5	49.5	48.6	47.6	46.6	45.7	44.7
79	53.4	52.4	51.5	50.5	49.5	48.6	47.6	46.6	45.7	44.7
80	53.4	52.4	51.4	50.5	49.5	48.5	47.6	46.6	45.7	44.7
81	53.4	52.4	51.4	50.5	49.5	48.5	47.6	46.6	45.7	44.7
82	53.4	52.4	51.4	50.5	49.5	48.5	47.6	46.6	45.6	44.7
83	53.4	52.4	51.4	50.5	49.5	48.5	47.6	46.6	45.6	44.7
84	53.4	52.4	51.4	50.5	49.5	48.5	47.6	46.6	45.6	44.7
85	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.7
86	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
87	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
88	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
89	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
90	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
91	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
92	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
93	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
94	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
95	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
96	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
97	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
98	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
99	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
100	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
101	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
102	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
103	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
104	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
105	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
106	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
107	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
108	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
109	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
110	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
111	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
112	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
113	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6

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	40	41	42	43	44	45	46	47	48	49
114 .....	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
115 + .....	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
Ages										
40 .....	50.2	49.8	49.3	48.9	48.5	48.1	47.7	47.4	47.1	46.8
41 .....	49.8	49.3	48.8	48.3	47.9	47.5	47.1	46.7	46.4	46.1
42 .....	49.3	48.8	48.3	47.8	47.3	46.9	46.5	46.1	45.8	45.4
43 .....	48.9	48.3	47.8	47.3	46.8	46.3	45.9	45.5	45.1	44.8
44 .....	48.5	47.9	47.3	46.8	46.3	45.8	45.4	44.9	44.5	44.2
45 .....	48.1	47.5	46.9	46.3	45.8	45.3	44.8	44.4	44.0	43.6
46 .....	47.7	47.1	46.5	45.9	45.4	44.8	44.3	43.9	43.4	43.0
47 .....	47.4	46.7	46.1	45.5	44.9	44.4	43.9	43.4	42.9	42.4
48 .....	47.1	46.4	45.8	45.1	44.5	44.0	43.4	42.9	42.4	41.9
49 .....	46.8	46.1	45.4	44.8	44.2	43.6	43.0	42.4	41.9	41.4
50 .....	46.5	45.8	45.1	44.4	43.8	43.2	42.6	42.0	41.5	40.9
51 .....	46.3	45.5	44.8	44.1	43.5	42.8	42.2	41.6	41.0	40.5
52 .....	46.0	45.3	44.6	43.9	43.2	42.5	41.8	41.2	40.6	40.1
53 .....	45.8	45.1	44.3	43.6	42.9	42.2	41.5	40.9	40.3	39.7
54 .....	45.6	44.8	44.1	43.3	42.6	41.9	41.2	40.5	39.9	39.3
55 .....	45.5	44.7	43.9	43.1	42.4	41.6	40.9	40.2	39.6	38.9
56 .....	45.3	44.5	43.7	42.9	42.1	41.4	40.7	40.0	39.3	38.6
57 .....	45.1	44.3	43.5	42.7	41.9	41.2	40.4	39.7	39.0	38.3
58 .....	45.0	44.2	43.3	42.5	41.7	40.9	40.2	39.4	38.7	38.0
59 .....	44.9	44.0	43.2	42.4	41.5	40.7	40.0	39.2	38.5	37.8
60 .....	44.7	43.9	43.0	42.2	41.4	40.6	39.8	39.0	38.2	37.5
61 .....	44.6	43.8	42.9	42.1	41.2	40.4	39.6	38.8	38.0	37.3
62 .....	44.5	43.7	42.8	41.9	41.1	40.3	39.4	38.6	37.8	37.1
63 .....	44.5	43.6	42.7	41.8	41.0	40.1	39.3	38.5	37.7	36.9
64 .....	44.4	43.5	42.6	41.7	40.8	40.0	39.2	38.3	37.5	36.7
65 .....	44.3	43.4	42.5	41.6	40.7	39.9	39.0	38.2	37.4	36.6
66 .....	44.2	43.3	42.4	41.5	40.6	39.8	38.9	38.1	37.2	36.4
67 .....	44.2	43.3	42.3	41.4	40.6	39.7	38.8	38.0	37.1	36.3
68 .....	44.1	43.2	42.3	41.4	40.5	39.6	38.7	37.9	37.0	36.2
69 .....	44.1	43.1	42.2	41.3	40.4	39.5	38.6	37.8	36.9	36.0
70 .....	44.0	43.1	42.2	41.3	40.3	39.4	38.5	37.7	36.8	35.9
71 .....	44.0	43.0	42.1	41.2	40.3	39.4	38.5	37.6	36.7	35.9
72 .....	43.9	43.0	42.1	41.1	40.2	39.3	38.4	37.5	36.6	35.8
73 .....	43.9	43.0	42.0	41.1	40.2	39.3	38.4	37.5	36.6	35.7
74 .....	43.9	42.9	42.0	41.1	40.1	39.2	38.3	37.4	36.5	35.6
75 .....	43.8	42.9	42.0	41.0	40.1	39.2	38.3	37.4	36.5	35.6
76 .....	43.8	42.9	41.9	41.0	40.1	39.1	38.2	37.3	36.4	35.5
77 .....	43.8	42.9	41.9	41.0	40.0	39.1	38.2	37.3	36.4	35.5
78 .....	43.8	42.8	41.9	40.9	40.0	39.1	38.2	37.2	36.3	35.4
79 .....	43.8	42.8	41.9	40.9	40.0	39.1	38.1	37.2	36.3	35.4
80 .....	43.7	42.8	41.8	40.9	40.0	39.0	38.1	37.2	36.3	35.4
81 .....	43.7	42.8	41.8	40.9	39.9	39.0	38.1	37.2	36.2	35.3
82 .....	43.7	42.8	41.8	40.9	39.9	39.0	38.1	37.1	36.2	35.3
83 .....	43.7	42.8	41.8	40.9	39.9	39.0	38.1	37.1	36.2	35.3
84 .....	43.7	42.7	41.8	40.8	39.9	39.0	38.0	37.1	36.2	35.3

Ages	40	41	42	43	44	45	46	47	48	49
85	43.7	42.7	41.8	40.8	39.9	38.9	38.0	37.1	36.2	35.2
86	43.7	42.7	41.8	40.8	39.9	38.9	38.0	37.1	36.1	35.2
87	43.7	42.7	41.8	40.8	39.9	38.9	38.0	37.0	36.1	35.2
88	43.7	42.7	41.8	40.8	39.9	38.9	38.0	37.0	36.1	35.2
89	43.7	42.7	41.7	40.8	39.8	38.9	38.0	37.0	36.1	35.2
90	43.7	42.7	41.7	40.8	39.8	38.9	38.0	37.0	36.1	35.2
91	43.7	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.2
92	43.7	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1
93	43.7	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1
94	43.7	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1
95	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1
96	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1
97	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
98	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
99	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
100	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
101	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
102	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
103	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
104	43.6	42.7	41.7	40.8	39.8	38.8	37.9	37.0	36.0	35.1
105	43.6	42.7	41.7	40.8	39.8	38.8	37.9	37.0	36.0	35.1
106	43.6	42.7	41.7	40.8	39.8	38.8	37.9	37.0	36.0	35.1
107	43.6	42.7	41.7	40.8	39.8	38.8	37.9	37.0	36.0	35.1
108	43.6	42.7	41.7	40.8	39.8	38.8	37.9	37.0	36.0	35.1
109	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
110	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
111	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
112	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
113	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
114	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
115 +	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1

  

Ages	50	51	52	53	54	55	56	57	58	59
50	40.4	40.0	39.5	39.1	38.7	38.3	38.0	37.6	37.3	37.1
51	40.0	39.5	39.0	38.5	38.1	37.7	37.4	37.0	36.7	36.4
52	39.5	39.0	38.5	38.0	37.6	37.2	36.8	36.4	36.0	35.7
53	39.1	38.5	38.0	37.5	37.1	36.6	36.2	35.8	35.4	35.1
54	38.7	38.1	37.6	37.1	36.6	36.1	35.7	35.2	34.8	34.5
55	38.3	37.7	37.2	36.6	36.1	35.6	35.1	34.7	34.3	33.9
56	38.0	37.4	36.8	36.2	35.7	35.1	34.7	34.2	33.7	33.3
57	37.6	37.0	36.4	35.8	35.2	34.7	34.2	33.7	33.2	32.8
58	37.3	36.7	36.0	35.4	34.8	34.3	33.7	33.2	32.8	32.3
59	37.1	36.4	35.7	35.1	34.5	33.9	33.3	32.8	32.3	31.8
60	36.8	36.1	35.4	34.8	34.1	33.5	32.9	32.4	31.9	31.3
61	36.6	35.8	35.1	34.5	33.8	33.2	32.6	32.0	31.4	30.9
62	36.3	35.6	34.9	34.2	33.5	32.9	32.2	31.6	31.1	30.5
63	36.1	35.4	34.6	33.9	33.2	32.6	31.9	31.3	30.7	30.1

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64	35.9	35.2	34.4	33.7	33.0	32.3	31.6	31.0	30.4	29.8
65	35.8	35.0	34.2	33.5	32.7	32.0	31.4	30.7	30.0	29.4
66	35.6	34.8	34.0	33.3	32.5	31.8	31.1	30.4	29.8	29.1
67	35.5	34.7	33.9	33.1	32.3	31.6	30.9	30.2	29.5	28.8
68	35.3	34.5	33.7	32.9	32.1	31.4	30.7	29.9	29.2	28.6
69	35.2	34.4	33.6	32.8	32.0	31.2	30.5	29.7	29.0	28.3
70	35.1	34.3	33.4	32.6	31.8	31.1	30.3	29.5	28.8	28.1
71	35.0	34.2	33.3	32.5	31.7	30.9	30.1	29.4	28.6	27.9
72	34.9	34.1	33.2	32.4	31.6	30.8	30.0	29.2	28.4	27.7
73	34.8	34.0	33.1	32.3	31.5	30.6	29.8	29.1	28.3	27.5
74	34.8	33.9	33.0	32.2	31.4	30.5	29.7	28.9	28.1	27.4
75	34.7	33.8	33.0	32.1	31.3	30.4	29.6	28.8	28.0	27.2
76	34.6	33.8	32.9	32.0	31.2	30.3	29.5	28.7	27.9	27.1
77	34.6	33.7	32.8	32.0	31.1	30.3	29.4	28.6	27.8	27.0
78	34.5	33.6	32.7	31.9	31.0	30.2	29.3	28.5	27.7	26.9
79	34.5	33.6	32.7	31.8	31.0	30.1	29.3	28.4	27.6	26.8
80	34.5	33.6	32.7	31.8	30.9	30.1	29.2	28.4	27.5	26.7
81	34.4	33.5	32.6	31.8	30.9	30.0	29.2	28.3	27.5	26.6
82	34.4	33.5	32.6	31.7	30.8	30.0	29.1	28.3	27.4	26.6
83	34.4	33.5	32.6	31.7	30.8	29.9	29.1	28.2	27.4	26.5
84	34.3	33.4	32.5	31.7	30.8	29.9	29.0	28.2	27.3	26.5
85	34.3	33.4	32.5	31.6	30.7	29.9	29.0	28.1	27.3	26.4
86	34.3	33.4	32.5	31.6	30.7	29.8	29.0	28.1	27.2	26.4
87	34.3	33.4	32.5	31.6	30.7	29.8	28.9	28.1	27.2	26.4
88	34.3	33.4	32.5	31.6	30.7	29.8	28.9	28.0	27.2	26.3
89	34.3	33.3	32.4	31.5	30.7	29.8	28.9	28.0	27.2	26.3
90	34.2	33.3	32.4	31.5	30.6	29.8	28.9	28.0	27.1	26.3
91	34.2	33.3	32.4	31.5	30.6	29.7	28.8	28.0	27.1	26.3
92	34.2	33.3	32.4	31.5	30.6	29.7	28.8	28.0	27.1	26.2
93	34.2	33.3	32.4	31.5	30.6	29.7	28.8	28.0	27.1	26.2
94	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.1	26.2
95	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.1	26.2
96	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.2
97	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.2
98	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.2
99	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.2
100	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.1
101	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.1
102	34.2	33.3	32.4	31.4	30.5	29.7	28.8	27.9	27.0	26.1
103	34.2	33.3	32.4	31.4	30.5	29.7	28.8	27.9	27.0	26.1
104	34.2	33.3	32.4	31.4	30.5	29.6	28.8	27.9	27.0	26.1
105	34.2	33.3	32.3	31.4	30.5	29.6	28.8	27.9	27.0	26.1
106	34.2	33.3	32.3	31.4	30.5	29.6	28.8	27.9	27.0	26.1
107	34.2	33.3	32.3	31.4	30.5	29.6	28.8	27.9	27.0	26.1
108	34.2	33.3	32.3	31.4	30.5	29.6	28.8	27.9	27.0	26.1
109	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
110	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
111	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
112	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
113	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1

Ages		50	51	52	53	54	55	56	57	58	59
114	.....	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
115 +	.....	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
Ages		60	61	62	63	64	65	66	67	68	69
60	.....	30.9	30.4	30.0	29.6	29.2	28.8	28.5	28.2	27.9	27.6
61	.....	30.4	29.9	29.5	29.0	28.6	28.3	28.0	27.6	27.3	27.0
62	.....	30.0	29.5	29.0	28.5	28.1	27.7	27.3	27.0	26.7	26.4
63	.....	29.6	29.0	28.5	28.1	27.6	27.2	26.8	26.4	26.1	25.7
64	.....	28.2	28.6	28.1	27.6	27.1	26.7	26.3	25.9	25.5	25.2
65	.....	28.8	28.3	27.7	27.2	26.7	26.2	25.8	25.4	25.0	24.6
66	.....	28.5	27.9	27.3	26.8	26.3	25.8	25.3	24.9	24.5	24.1
67	.....	28.2	27.6	27.0	26.4	25.9	25.4	24.9	24.4	24.0	23.6
68	.....	27.9	27.3	26.7	26.1	25.5	25.0	24.5	24.0	23.5	23.1
69	.....	27.6	27.0	26.4	25.7	25.2	24.6	24.1	23.6	23.1	22.6
70	.....	27.4	26.7	26.1	25.4	24.8	24.3	23.7	23.2	22.7	22.2
71	.....	27.2	26.5	25.8	25.2	24.5	23.9	23.4	22.8	22.3	21.8
72	.....	27.0	26.3	25.6	24.9	24.3	23.7	23.1	22.5	22.0	21.4
73	.....	26.8	26.1	25.4	24.7	24.0	23.4	22.8	22.2	21.6	21.1
74	.....	26.6	25.9	25.2	24.5	23.8	23.1	22.5	21.9	21.3	20.8
75	.....	26.5	25.7	25.0	24.3	23.6	22.9	22.3	21.6	21.0	20.5
76	.....	26.3	25.6	24.8	24.1	23.4	22.7	22.0	21.4	20.8	20.2
77	.....	26.2	25.4	24.7	24.0	23.3	22.6	21.8	21.2	20.6	19.9
78	.....	26.1	25.3	24.6	23.9	23.2	22.5	21.8	21.0	20.3	19.7
79	.....	26.0	25.2	24.5	23.8	23.1	22.4	21.7	21.0	20.3	19.7
80	.....	25.9	25.1	24.3	23.6	22.9	22.2	21.5	20.8	20.1	19.5
81	.....	25.8	25.0	24.2	23.5	22.8	22.1	21.4	20.6	20.0	19.3
82	.....	25.8	25.0	24.2	23.4	22.7	21.9	21.2	20.5	19.8	19.1
83	.....	25.7	24.9	24.1	23.3	22.6	21.8	21.1	20.4	19.7	19.0
84	.....	25.6	24.8	24.0	23.2	22.5	21.7	21.0	20.2	19.5	18.8
85	.....	25.6	24.8	24.0	23.2	22.4	21.6	20.9	20.1	19.4	18.7
86	.....	25.5	24.7	23.9	23.1	22.3	21.6	20.8	20.1	19.3	18.6
87	.....	25.5	24.7	23.8	23.0	22.2	21.4	20.7	20.0	19.2	18.5
88	.....	25.5	24.6	23.8	23.0	22.2	21.4	20.7	19.9	19.2	18.4
89	.....	25.4	24.6	23.8	22.9	22.1	21.3	20.5	19.8	19.1	18.3
90	.....	25.4	24.6	23.7	22.9	22.1	21.3	20.5	19.7	19.0	18.2
91	.....	25.4	24.5	23.7	22.9	22.1	21.3	20.5	19.7	18.9	18.2
92	.....	25.4	24.5	23.7	22.9	22.0	21.2	20.4	19.6	18.9	18.1
93	.....	25.4	24.5	23.7	22.8	22.0	21.2	20.4	19.6	18.8	18.1
94	.....	25.3	24.5	23.6	22.8	22.0	21.2	20.4	19.6	18.8	18.0
95	.....	25.3	24.5	23.6	22.8	22.0	21.1	20.3	19.5	18.8	18.0
96	.....	25.3	24.5	23.6	22.8	21.9	21.1	20.3	19.5	18.8	18.0
97	.....	25.3	24.5	23.6	22.8	21.9	21.1	20.3	19.5	18.7	18.0
98	.....	25.3	24.4	23.6	22.8	21.9	21.1	20.3	19.5	18.7	17.9
99	.....	25.3	24.4	23.6	22.7	21.9	21.1	20.3	19.5	18.7	17.9
100	.....	25.3	24.4	23.6	22.7	21.9	21.1	20.3	19.5	18.7	17.9
101	.....	25.3	24.4	23.6	22.7	21.9	21.1	20.2	19.4	18.7	17.9
102	.....	25.3	24.4	23.6	22.7	21.9	21.1	20.2	19.4	18.6	17.9

	70	71	72	73	74	75	76	77	78	79
103	25.3	24.4	23.6	22.7	21.9	21.0	20.2	19.4	18.6	17.9
104	25.3	24.4	23.5	22.7	21.9	21.0	20.2	19.4	18.6	17.8
105	25.3	24.4	23.5	22.7	21.9	21.0	20.2	19.4	18.6	17.8
106	25.3	24.4	23.5	22.7	21.9	21.0	20.2	19.4	18.6	17.8
107	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
108	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
109	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
110	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
111	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
112	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
113	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
114	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
115 +	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
Ages										
70	21.8	21.3	20.9	20.6	20.2	19.9	19.6	19.4	19.1	18.9
71	21.3	20.9	20.5	20.1	19.7	19.4	19.1	18.8	18.5	18.3
72	20.9	20.5	20.0	19.6	19.3	18.9	18.6	18.3	18.0	17.7
73	20.6	20.1	19.6	19.2	18.8	18.4	18.1	17.8	17.5	17.2
74	20.2	19.7	19.3	18.8	18.4	18.0	17.6	17.3	17.0	16.7
75	19.9	19.4	18.9	18.4	18.0	17.6	17.2	16.8	16.5	16.2
76	19.6	19.1	18.6	18.1	17.6	17.2	16.8	16.4	16.0	15.7
77	19.4	18.8	18.3	17.8	17.3	16.8	16.4	16.0	15.6	15.3
78	19.1	18.5	18.0	17.5	17.0	16.5	16.0	15.6	15.2	14.9
79	18.9	18.3	17.7	17.2	16.7	16.2	15.7	15.3	14.9	14.5
80	18.7	18.1	17.5	16.9	16.4	15.9	15.4	15.0	14.5	14.1
81	18.5	17.9	17.3	16.7	16.2	15.6	15.1	14.7	14.2	13.8
82	18.3	17.7	17.1	16.5	15.9	15.4	14.9	14.4	13.9	13.5
83	18.2	17.5	16.9	16.3	15.7	15.2	14.7	14.2	13.7	13.2
84	18.0	17.4	16.7	16.1	15.5	15.0	14.4	13.9	13.4	13.0
85	17.9	17.3	16.6	16.0	15.4	14.8	14.3	13.7	13.2	12.8
86	17.8	17.1	16.5	15.8	15.2	14.6	14.1	13.5	13.0	12.5
87	17.7	17.0	16.4	15.7	15.1	14.5	13.9	13.4	12.9	12.4
88	17.6	16.9	16.3	15.6	15.0	14.4	13.8	13.2	12.7	12.2
89	17.6	16.9	16.2	15.5	14.9	14.3	13.7	13.1	12.6	12.0
90	17.5	16.8	16.1	15.4	14.8	14.2	13.6	13.0	12.4	11.9
91	17.4	16.7	16.0	15.4	14.7	14.1	13.5	12.9	12.3	11.8
92	17.4	16.7	16.0	15.3	14.6	14.0	13.4	12.8	12.2	11.7
93	17.3	16.6	15.9	15.2	14.6	13.9	13.3	12.7	12.1	11.6
94	17.3	16.6	15.9	15.2	14.5	13.8	13.2	12.6	12.0	11.5
95	17.3	16.5	15.8	15.1	14.5	13.8	13.2	12.6	12.0	11.4
96	17.2	16.5	15.8	15.1	14.4	13.8	13.1	12.5	11.9	11.3
97	17.2	16.5	15.8	15.1	14.4	13.7	13.1	12.5	11.9	11.3
98	17.2	16.4	15.7	15.0	14.3	13.7	13.0	12.4	11.8	11.2
99	17.2	16.4	15.7	15.0	14.3	13.6	13.0	12.4	11.8	11.2
100	17.1	16.4	15.7	15.0	14.3	13.6	12.9	12.3	11.7	11.1
101	17.1	16.4	15.6	14.9	14.2	13.6	12.9	12.3	11.7	11.1
102	17.1	16.4	15.6	14.9	14.2	13.5	12.9	12.2	11.6	11.0
103	17.1	16.3	15.6	14.9	14.2	13.5	12.9	12.2	11.6	11.0

Ages	70	71	72	73	74	75	76	77	78	79
104	17.1	16.3	15.6	14.9	14.2	13.5	12.8	12.2	11.6	11.0
105	17.1	16.3	15.6	14.9	14.2	13.5	12.8	12.2	11.6	11.0
106	17.1	16.3	15.6	14.8	14.1	13.5	12.8	12.2	11.5	10.9
107	17.0	16.3	15.6	14.8	14.1	13.4	12.8	12.1	11.5	10.9
108	17.0	16.3	15.5	14.8	14.1	13.4	12.8	12.1	11.5	10.9
109	17.0	16.3	15.5	14.8	14.1	13.4	12.8	12.1	11.5	10.9
110	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.5	10.9
111	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.5	10.8
112	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.5	10.8
113	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.4	10.8
114	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.4	10.8
115 +	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.4	10.8

  

Ages	80	81	82	83	84	85	86	87	88	89
80	13.8	13.4	13.1	12.8	12.6	12.3	12.1	11.9	11.7	11.5
81	13.4	13.1	12.7	12.4	12.2	11.9	11.7	11.4	11.3	11.1
82	13.1	12.7	12.4	12.1	11.8	11.5	11.3	11.0	10.8	10.6
83	12.8	12.4	12.1	11.7	11.4	11.1	10.9	10.6	10.4	10.2
84	12.6	12.2	11.8	11.4	11.1	10.8	10.5	10.3	10.1	9.9
85	12.3	11.9	11.5	11.1	10.8	10.5	10.2	9.9	9.7	9.5
86	12.1	11.7	11.3	10.9	10.5	10.2	9.9	9.6	9.4	9.2
87	11.9	11.4	11.0	10.6	10.3	9.9	9.6	9.4	9.1	8.9
88	11.7	11.3	10.8	10.4	10.1	9.7	9.4	9.1	8.8	8.6
89	11.5	11.1	10.6	10.2	9.9	9.5	9.2	8.9	8.6	8.3
90	11.4	10.9	10.5	10.1	9.7	9.3	9.0	8.6	8.3	8.1
91	11.3	10.8	10.3	9.9	9.5	9.1	8.8	8.4	8.1	7.9
92	11.2	10.7	10.2	9.8	9.3	9.0	8.6	8.3	8.0	7.7
93	11.1	10.6	10.1	9.6	9.2	8.8	8.5	8.1	7.8	7.5
94	11.0	10.5	10.0	9.5	9.1	8.7	8.3	8.0	7.6	7.3
95	10.9	10.4	9.9	9.4	9.0	8.6	8.2	7.8	7.5	7.2
96	10.8	10.3	9.8	9.3	8.9	8.5	8.1	7.7	7.4	7.1
97	10.7	10.2	9.7	9.2	8.8	8.4	8.0	7.6	7.3	6.9
98	10.7	10.1	9.6	9.1	8.7	8.3	7.9	7.5	7.1	6.8
99	10.6	10.1	9.6	9.1	8.6	8.2	7.8	7.4	7.0	6.7
100	10.6	10.0	9.5	9.0	8.5	8.1	7.7	7.3	6.9	6.6
101	10.5	10.0	9.4	9.0	8.5	8.0	7.6	7.2	6.9	6.5
102	10.5	9.9	9.4	8.9	8.4	8.0	7.5	7.1	6.8	6.4
103	10.4	9.9	9.4	8.8	8.4	7.9	7.5	7.1	6.7	6.3
104	10.4	9.8	9.3	8.8	8.3	7.9	7.4	7.0	6.6	6.3
105	10.4	9.8	9.3	8.8	8.3	7.8	7.4	7.0	6.6	6.2
106	10.3	9.8	9.2	8.7	8.2	7.8	7.3	6.9	6.5	6.2
107	10.3	9.8	9.2	8.7	8.2	7.7	7.3	6.9	6.5	6.1
108	10.3	9.7	9.2	8.7	8.2	7.7	7.3	6.8	6.4	6.1
109	10.3	9.7	9.2	8.7	8.2	7.7	7.2	6.8	6.4	6.0
110	10.3	9.7	9.2	8.6	8.1	7.7	7.2	6.8	6.4	6.0
111	10.3	9.7	9.1	8.6	8.1	7.6	7.2	6.8	6.3	6.0
112	10.2	9.7	9.1	8.6	8.1	7.6	7.2	6.7	6.3	5.9



	90	91	92	93	94	95	96	97	98	99
113 .....	102	97	91	86	81	76	72	67	63	59
114 .....	102	97	91	86	81	76	71	67	63	59
115 + .....	102	97	91	86	81	76	71	67	63	59
Ages										
90 .....	78	76	74	72	71	69	68	66	65	64
91 .....	76	74	72	70	68	67	65	64	63	61
92 .....	74	72	70	68	66	64	63	61	60	59
93 .....	72	70	68	66	64	62	61	59	58	56
94 .....	71	68	66	64	62	60	59	57	56	54
95 .....	69	67	64	62	60	58	57	55	54	52
96 .....	68	65	63	61	59	57	55	53	52	50
97 .....	66	64	61	59	57	55	53	52	50	49
98 .....	65	63	60	58	56	54	52	50	48	47
99 .....	64	61	59	56	54	52	50	49	47	45
100 .....	63	60	58	55	53	51	49	47	45	44
101 .....	62	59	56	54	52	50	48	46	44	42
102 .....	61	58	55	53	51	49	46	44	43	41
103 .....	60	57	54	52	50	47	45	43	41	40
104 .....	59	56	54	51	49	46	44	42	40	38
105 .....	59	56	53	50	48	45	43	41	39	37
106 .....	58	55	52	49	47	45	42	40	38	36
107 .....	58	54	51	49	46	44	42	39	37	35
108 .....	57	54	51	48	46	43	41	39	37	35
109 .....	57	53	50	48	45	43	40	38	36	34
110 .....	56	53	50	47	45	42	40	38	35	33
111 .....	56	53	50	47	44	42	39	37	35	33
112 .....	56	53	49	47	44	41	39	37	35	32
113 .....	56	52	49	46	44	41	39	36	34	32
114 .....	56	52	49	46	43	41	39	36	34	32
115 + .....	55	52	49	46	43	41	38	36	34	31
Ages										
100 .....	42	41	39	38	37	35	34	33	33	32
101 .....	41	39	37	36	35	34	32	31	31	30
102 .....	39	37	36	34	33	32	31	30	29	28
103 .....	38	36	34	33	32	30	29	28	27	26
104 .....	37	35	33	32	30	29	27	26	25	24
105 .....	35	34	32	30	29	27	26	25	24	23
106 .....	34	32	31	29	27	26	24	23	22	21
107 .....	33	31	30	28	26	25	23	22	21	20
108 .....	33	31	29	27	25	24	22	21	19	18
109 .....	32	30	28	26	24	23	21	20	18	17
110 .....	31	29	27	25	23	22	20	19	17	16
111 .....	31	29	27	25	23	21	19	18	16	15
112 .....	30	28	26	24	22	20	18	17	15	14
113 .....	30	28	26	24	22	20	18	16	15	13

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Ages	100	101	102	103	104	105	106	107	108	109
114 .....	3.0	2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.4	1.3
115 + .....	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.4	1.2

Ages	110	111	112	113	114	115 +
110 .....	1.5	1.4	1.3	1.2	1.1	1.1
111 .....	1.4	1.2	1.1	1.1	1.0	1.0
112 .....	1.3	1.1	1.0	1.0	1.0	1.0
113 .....	1.2	1.1	1.0	1.0	1.0	1.0
114 .....	1.1	1.0	1.0	1.0	1.0	1.0
115 + .....	1.1	1.0	1.0	1.0	1.0	1.0

Q-4. May the tables under this section be changed?

A-4. The Single Life Table, Uniform Lifetime Table and Joint and Last Survivor Table provided in A-1 through A-3 of this section may be changed by the Commissioner in revenue rulings, notices, and other guidance published in the Internal Revenue Bulletin. See § 601.601(d)(2)(ii)(b) of this chapter.

[T.D. 8987, 67 FR 18994, Apr. 17, 2002; 67 FR 36676, May 24, 2002]

#### § 1.401(a)(17)-1 Limitation on annual compensation.

(a) *Compensation limit requirement*—(1) *In general.* In order to be a qualified plan, a plan must satisfy section 401(a)(17). Section 401(a)(17) provides an annual compensation limit for each employee under a qualified plan. This limit applies to a qualified plan in two ways. First, a plan may not base allocations, in the case of a defined contribution plan, or benefit accruals, in the case of a defined benefit plan, on compensation in excess of the annual compensation limit. Second, the amount of an employee's annual compensation that may be taken into account in applying certain specified nondiscrimination rules under the Internal Revenue Code is subject to the annual compensation limit. These two limitations are set forth in paragraphs (b) and (c) of this section, respectively. Paragraph (d) of this section provides the effective dates of section 401(a)(17), the amendments made by section 13212 of the Omnibus Budget Reconciliation Act of 1993 (OBRA '93), and this section. Paragraph (e) of this section provides rules for determining post-effective-date accrued benefits under the fresh-start rules.

(2) *Annual compensation limit for plan years beginning before January 1, 1994.* For purposes of this section, for plan years beginning prior to the OBRA '93 effective date, annual compensation

limit means \$200,000, adjusted as provided by the Commissioner. The amount of the annual compensation limit is adjusted at the same time and in the same manner as under section 415(d). The base period for the annual adjustment is the calendar quarter ending December 31, 1988, and the first adjustment is effective on January 1, 1990. Any increase in the annual compensation limit is effective as of January 1 of a calendar year and applies to any plan year beginning in that calendar year. In any plan year beginning prior to the OBRA '93 effective date, if compensation for any plan year beginning prior to the statutory effective date is used for determining allocations or benefit accruals, or when applying any nondiscrimination rule, then the annual compensation limit for the first plan year beginning on or after the statutory effective date (generally \$200,000) must be applied to compensation for that prior plan year.

(3) *Annual compensation limit for plan years beginning on or after January 1, 1994*—(i) *In general.* For purposes of this section, for plan years beginning on or after the OBRA '93 effective date, annual compensation limit means \$150,000, adjusted as provided by the Commissioner. The adjusted dollar amount of the annual compensation limit is determined by adjusting the \$150,000 amount for changes in the cost of living as provided in paragraph (a)(3)(ii) of this section and rounding this adjusted dollar amount as provided in paragraph (a)(3)(iii) of this section. Any increase in the annual compensation limit is effective as of January 1 of a calendar year and applies to any plan year beginning in that calendar year. For example, if a plan has a plan year beginning July 1, 1994, and ending June 30, 1995, the annual compensation limit in effect on January 1, 1994 (\$150,000), applies to the plan for the entire plan year.