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amounts are excludable from the beneficiary's gross income as a death benefit under section 101(b), and

(2) Any amount or amounts of death benefits which are treated as additional consideration contributed by the employee under section 101(b)(2)(D) and the regulations thereunder, or which were excludable from the beneficiary's gross income as a death benefit under section 22(b)(1)(B) of the Internal Revenue Code of 1939 and the regulations thereunder.

Accordingly, in the case of an employee's beneficiary, any such amount shall be added to any amount or amounts deemed paid or contributed by the employee under paragraph (a)(1) of this section and to any amounts actually contributed by the employee for the purpose of finding the aggregate amount of premiums or other consideration paid or contributed by the employee.

(c) *Amounts "made available" to an employee or his beneficiary.* Any amount which, although not actually paid, is made available to and includable in the gross income of an employee or his beneficiary under the rules of sections 402 and 403 and the regulations thereunder, shall be considered an amount contributed by the employee and shall be aggregated with amounts, if any, to which paragraphs (a) and (b) of this section apply for the purpose of determining the aggregate amount of premiums or other consideration paid by the employee.

(d) *Amounts includable in gross income of employee when his rights under annuity contract change to nonforfeitable rights.* Any amount which, by reason of section 403(d) and after the application of paragraph (b) of § 1.403 (b)-1, is required to be included in an employee's gross income for the year when his rights under an annuity contract change from forfeitable to nonforfeitable rights shall be considered an amount contributed by the employee and shall be aggregated with amounts, if any, to which paragraphs (a), (b), and (c) of this section apply for the purpose of determining the aggregate amount of premiums or other consideration paid or contributed by the employee for such annuity contract. In other words, if, under section 403(d), an em-

ployee of an organization exempt from tax under section 501(a) or 521(a) is required to include an amount in gross income by reason of his rights under an annuity contract changing from forfeitable to nonforfeitable rights, such amount, to the extent it is not excludable from gross income under paragraph (b) of § 1.403 (b)-1, shall be considered an amount contributed by such employee for the annuity contract.

[T.D. 6500, 25 FR 11402, Nov. 26, 1960, as amended by T.D. 6665, 28 FR 7245, July 16, 1963; T.D. 6783, 29 FR 18356, Dec. 24, 1964]

§ 1.72-9 Tables.

The following tables are to be used in connection with computations under section 72 and the regulations thereunder. Tables I, II, IIA, III, and IV are to be used if the investment in the contract does not include a post-June 1986 investment in the contract (as defined in § 1.72-6(d)(3)). Tables V, VI, VIA, VII, and VIII are to be used if the investment in the contract includes a post-June 1986 investment in the contract (as defined in § 1.72-6(d)(3)).

In the case of a contract under which amounts are received as an annuity after June 30, 1986, a taxpayer receiving such amounts may elect to treat the entire investment in the contract as post-June 1986 investment in the contract and thus apply Tables V through VIII. A taxpayer may make the election for any taxable year in which such amounts are received by attaching to the taxpayer's return for such taxable year a statement that the taxpayer is electing under § 1.72-9 to treat the entire investment in the contract as post-June 1986 investment in the contract. The statement must contain the taxpayer's name, address, and taxpayer identification number. The election is irrevocable and applies with respect to all amounts that the taxpayer receives as an annuity under the contract in the taxable year for which the election is made or in any subsequent taxable year. (Note that for purposes of the examples in §§ 1.72-4 through 1.72-11 the election described in this section is disregarded (*i.e.*, it assumed that the taxpayer does not make an election under this section).) See also § 1.72-6(d)(3) for rules treating the entire investment in

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a contract as post-June 1986 investment in a contract if the annuity starting date of the contract is after June 30, 1986, and the contract provides for a disqualifying form of payment or settlement, such as an option to receive a lump sum in full discharge of the obligation under the contract. In addition, see §1.72-6(d) for special rules concerning the tables to be used and the separate computations required if the investment in the contract includes both a pre-July 1986 investment in the contract and a post-June 1986 investment in the contract and the election described in §1.72-6(d)(6) is made with respect to the contract.

TABLE I—ORDINARY LIFE ANNUITIES—ONE LIFE—EXPECTED RETURN MULTIPLES

Ages		Multiples
Male	Female	
6	11	65.0
7	12	64.1
8	13	63.2
9	14	62.3
10	15	61.4
11	16	60.4
12	17	59.5
13	18	58.6
14	19	57.7
15	20	56.7
16	21	55.8
17	22	54.9
18	23	53.9
19	24	53.0
20	25	52.1
21	26	51.1
22	27	50.2
23	28	49.3
24	29	48.3
25	30	47.4
26	31	46.5
27	32	45.6
28	33	44.6
29	34	43.7
30	35	42.8
31	36	41.9
32	37	41.0
33	38	40.0
34	39	39.1
35	40	38.2
36	41	37.3
37	42	36.5
38	43	35.6
39	44	34.7
40	45	33.8
41	46	33.0
42	47	32.1
43	48	31.2
44	49	30.4

TABLE I—ORDINARY LIFE ANNUITIES—ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

Ages		Multiples
Male	Female	
45	50	29.6
46	51	28.7
47	52	27.9
48	53	27.1
49	54	26.3
50	55	25.5
51	56	24.7
52	57	24.0
53	58	23.2
54	59	22.4
55	60	21.7
56	61	21.0
57	62	20.3
58	63	19.6
59	64	18.9
60	65	18.2
61	66	17.5
62	67	16.9
63	68	16.2
64	69	15.6
65	70	15.0
66	71	14.4
67	72	13.8
68	73	13.2
69	74	12.6
70	75	12.1
71	76	11.6
72	77	11.0
73	78	10.5
74	79	10.1
75	80	9.6
76	81	9.1
77	82	8.7
78	83	8.3
79	84	7.8
80	85	7.5
81	86	7.1
82	87	6.7
83	88	6.3
84	89	6.0
85	90	5.7
86	91	5.4
87	92	5.1
88	93	4.8
89	94	4.5
90	95	4.2
91	96	4.0
92	97	3.7
93	98	3.5
94	99	3.3
95	100	3.1
96	101	2.9
97	102	2.7
98	103	2.5
99	104	2.3
100	105	2.1

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TABLE I—ORDINARY LIFE ANNUITIES—ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

	Ages		Multiples
	Male	Female	
101	106	1.9	
102	107	1.7	
103	108	1.5	
104	109	1.3	
105	110	1.2	

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TABLE I—ORDINARY LIFE ANNUITIES—ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

	Ages		Multiples
	Male	Female	
106	111	1.0	
107	112	.8	
108	113	.7	
109	114	.6	
110	115	.5	
111	116	0	

TABLE II—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES—TWO LIVES—EXPECTED RETURN MULTIPLES

		Ages																				
		Male										Female										
		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
Male	Female	Male 6	Female 11	Male 7	Female 12	Male 8	Female 13	Male 9	Female 14	Male 10	Female 15	Male 11	Female 16	Male 12	Female 17	Male 13	Female 18	Male 14	Female 19	Male 15	Female 20	
6	11	73.0	73.5	72.6	72.2	71.8	71.4	71.0	70.7	70.4	70.0	69.7	69.5	69.2	68.9	68.5	68.2	67.9	67.6	67.3	67.0	
7	12	72.6	73.0	72.1	71.7	71.3	70.9	70.5	70.1	69.8	69.4	69.1	68.8	68.5	68.2	67.9	67.5	67.2	66.9	66.6	66.3	66.0
8	13	72.1	72.6	71.6	71.2	70.8	70.4	70.0	69.6	69.2	68.9	68.6	68.3	68.0	67.7	67.4	67.1	66.8	66.5	66.2	65.9	65.6
9	14	71.7	72.2	71.2	70.7	70.3	69.9	69.4	69.0	68.7	68.3	68.0	67.7	67.4	67.1	66.8	66.5	66.2	65.9	65.6	65.3	65.0
10	15	71.3	71.8	70.8	70.3	69.8	69.4	68.9	68.5	68.1	67.7	67.4	67.1	66.8	66.5	66.2	65.9	65.6	65.3	65.0	64.7	64.4
11	16	70.9	71.4	70.4	69.9	69.4	68.9	68.5	68.0	67.6	67.2	66.9	66.6	66.3	66.0	65.7	65.4	65.1	64.8	64.5	64.2	63.9
12	17	70.5	71.0	70.0	69.4	68.9	68.5	68.0	67.5	67.1	66.7	66.4	66.1	65.8	65.5	65.2	64.9	64.6	64.3	64.0	63.7	63.4
13	18	70.1	70.7	69.6	69.0	68.5	68.0	67.5	67.1	66.6	66.2	65.9	65.6	65.3	65.0	64.7	64.4	64.1	63.8	63.5	63.2	62.9
14	19	69.8	70.4	69.2	68.7	68.1	67.6	67.1	66.6	66.1	65.7	65.4	65.1	64.8	64.5	64.2	63.9	63.6	63.3	63.0	62.7	62.4
15	20	69.4	70.0	68.9	68.3	67.7	67.2	66.7	66.2	65.7	65.2	64.8	64.5	64.2	63.9	63.6	63.3	63.0	62.7	62.4	62.1	61.8
16	21	69.1	69.7	68.5	67.9	67.4	66.8	66.3	65.8	65.3	64.8	64.3	63.9	63.6	63.3	63.0	62.7	62.4	62.1	61.8	61.5	61.2
17	22	68.8	69.5	68.2	67.6	67.0	66.5	66.0	65.5	65.0	64.5	64.0	63.6	63.3	63.0	62.7	62.4	62.1	61.8	61.5	61.2	60.9
18	23	68.5	69.2	67.9	67.3	66.7	66.1	65.5	65.0	64.4	63.9	63.4	62.9	62.4	61.9	61.5	61.2	60.9	60.6	60.3	60.0	59.7
19	24	68.3	68.9	67.6	67.0	66.4	65.8	65.2	64.6	64.0	63.5	63.0	62.5	62.0	61.5	61.0	60.6	60.3	60.0	59.7	59.4	59.1
20	25	68.0	68.7	67.3	66.7	66.1	65.4	64.8	64.2	63.7	63.1	62.6	62.0	61.5	61.0	60.6	60.3	60.0	59.7	59.4	59.1	58.8
21	26	68.0	68.7	67.3	66.7	66.1	65.4	64.8	64.2	63.7	63.1	62.6	62.0	61.5	61.0	60.6	60.3	60.0	59.7	59.4	59.1	58.8

		Ages																			
		Male										Female									
		26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Male	Female	Male 21	Female 26	Male 22	Female 27	Male 23	Female 28	Male 24	Female 29	Male 25	Female 30	Male 26	Female 31	Male 27	Female 32	Male 28	Female 33	Male 29	Female 34	Male 30	Female 35
6	11	68.4	68.4	68.2	67.8	67.6	67.3	67.1	66.8	66.5	66.2	66.0	65.7	65.4	65.1	64.8	64.5	64.2	63.9	63.6	63.3
7	12	67.8	67.8	67.5	67.1	66.9	66.6	66.4	66.1	65.8	65.6	65.4	65.1	64.8	64.5	64.2	63.9	63.6	63.3	63.0	62.7
8	13	67.1	67.1	66.8	66.4	66.2	66.0	65.8	65.5	65.3	65.1	64.9	64.7	64.5	64.3	64.1	63.9	63.7	63.5	63.3	63.1
9	14	66.4	66.4	66.2	65.9	65.7	65.5	65.3	65.1	64.9	64.7	64.5	64.3	64.1	63.9	63.7	63.5	63.3	63.1	62.9	62.7
10	15	65.8	65.8	65.5	65.2	65.0	64.7	64.5	64.3	64.1	63.9	63.7	63.5	63.3	63.1	62.9	62.7	62.5	62.3	62.1	61.9
11	16	65.1	65.1	64.8	64.5	64.3	64.1	63.8	63.6	63.4	63.2	63.0	62.8	62.6	62.4	62.2	62.0	61.8	61.6	61.4	61.2
12	17	64.5	64.5	64.2	63.9	63.6	63.4	63.1	62.9	62.7	62.4	62.2	62.0	61.8	61.6	61.4	61.2	61.0	60.8	60.6	60.4
13	18	63.9	63.9	63.6	63.3	63.0	62.7	62.4	62.2	61.9	61.7	61.5	61.3	61.1	60.9	60.7	60.5	60.3	60.1	59.9	59.7
14	19	63.3	63.3	63.0	62.7	62.3	62.0	61.8	61.5	61.2	61.0	60.8	60.6	60.4	60.2	60.0	59.8	59.6	59.4	59.2	59.0
15	20	62.7	62.7	62.4	62.0	61.7	61.4	61.1	60.8	60.6	60.3	60.1	59.9	59.7	59.5	59.3	59.1	58.9	58.7	58.5	58.3
16	21	62.2	62.2	61.8	61.4	61.1	60.8	60.5	60.2	60.0	59.8	59.6	59.4	59.2	59.0	58.8	58.6	58.4	58.2	58.0	57.8
17	22	61.6	61.6	61.2	60.9	60.5	60.2	59.9	59.6	59.3	59.1	58.9	58.7	58.5	58.3	58.1	57.9	57.7	57.5	57.3	57.1
18	23	61.1	61.1	60.7	60.3	59.9	59.6	59.2	58.9	58.6	58.3	58.1	57.9	57.7	57.5	57.3	57.1	56.9	56.7	56.5	56.3
19	24	60.6	60.6	60.2	59.7	59.4	59.0	58.6	58.3	58.0	57.7	57.5	57.3	57.1	56.9	56.7	56.5	56.3	56.1	55.9	55.7
20	25	60.1	60.1	59.6	59.2	58.8	58.4	58.0	57.7	57.4	57.1	56.9	56.7	56.5	56.3	56.1	55.9	55.7	55.5	55.3	55.1
21	26	59.6	59.6	59.1	58.7	58.3	57.9	57.5	57.1	56.7	56.4	56.1	55.9	55.7	55.5	55.3	55.1	54.9	54.7	54.5	54.3

		Ages																		
		Male									Female									
		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	34
Male	Female	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
22	27	59.1	58.2	57.7	57.3	56.9	56.5	56.1	55.8	55.4	55.1	54.8	54.5	54.2	53.9	53.6	53.2	52.9	52.5	52.2
23	28	58.7	57.7	57.2	56.8	56.4	55.9	55.5	55.2	54.8	54.4	54.1	53.8	53.5	53.2	52.9	52.5	52.2	51.9	51.6
24	29	58.3	57.2	56.8	56.3	55.8	55.4	55.0	54.6	54.2	53.9	53.6	53.3	53.0	52.7	52.4	52.1	51.7	51.3	50.9
25	30	57.9	56.8	56.3	55.8	55.3	54.9	54.4	54.0	53.6	53.1	52.8	52.5	52.2	51.9	51.6	51.3	50.9	50.6	50.2
26	31	57.5	56.4	55.8	55.3	54.8	54.4	53.9	53.5	53.1	52.7	52.3	51.9	51.6	51.3	51.0	50.6	50.2	49.8	49.4
27	32	57.1	55.9	55.4	54.9	54.4	53.9	53.4	53.0	52.5	52.1	51.7	51.3	50.9	50.5	50.1	49.6	49.2	48.8	48.4
28	33	56.7	55.5	55.0	54.4	53.9	53.4	52.9	52.4	52.0	51.6	51.1	50.7	50.3	49.9	49.5	49.1	48.6	48.1	47.6
29	34	56.4	55.2	54.6	54.0	53.5	53.0	52.4	52.0	51.5	51.0	50.6	50.2	49.8	49.4	49.0	48.6	48.1	47.6	47.1
30	35	56.0	54.8	54.2	53.6	53.1	52.5	52.0	51.5	51.0	50.5	50.1	49.6	49.2	48.7	48.1	47.6	47.1	46.6	46.1
31	36	55.7	54.4	53.8	53.2	52.7	52.1	51.6	51.0	50.5	50.0	49.5	49.1	48.6	48.1	47.6	47.1	46.6	46.1	45.6
32	37	55.4	54.1	53.5	52.9	52.3	51.7	51.1	50.6	50.1	49.5	49.1	48.6	48.1	47.6	47.1	46.6	46.1	45.6	45.1
33	38	55.1	53.8	53.2	52.5	51.9	51.3	50.7	50.2	49.6	49.1	48.6	48.1	47.6	47.1	46.6	46.1	45.6	45.1	44.6
34	39	54.9	53.5	52.8	52.2	51.6	50.9	50.3	49.8	49.2	48.7	48.1	47.6	47.1	46.6	46.1	45.6	45.1	44.6	44.1

		Ages																		
		Male									Female									
		37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
Male	Female	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
6	11	66.2	66.0	65.9	65.9	65.8	65.7	65.7	65.6	65.6	65.5	65.5	65.5	65.4	65.4	65.4	65.4	65.4	65.4	65.4
7	12	65.3	65.2	65.1	65.0	64.9	64.9	64.8	64.8	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
8	13	64.5	64.3	64.2	64.2	64.1	64.0	64.0	63.9	63.8	63.8	63.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
9	14	63.7	63.6	63.4	63.3	63.2	63.2	63.1	63.0	63.0	62.9	62.9	62.9	62.8	62.8	62.8	62.8	62.8	62.8	62.8
10	15	62.9	62.8	62.6	62.5	62.4	62.3	62.2	62.2	62.1	62.0	62.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
11	16	62.1	61.9	61.8	61.6	61.5	61.4	61.4	61.3	61.2	61.2	61.1	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
12	17	61.3	61.1	61.0	60.8	60.7	60.6	60.5	60.4	60.4	60.3	60.2	60.2	60.1	60.1	60.1	60.1	60.1	60.1	60.1
13	18	60.5	60.3	60.2	60.0	59.9	59.8	59.7	59.6	59.5	59.4	59.4	59.3	59.2	59.2	59.2	59.2	59.2	59.2	59.2
14	19	59.7	59.5	59.4	59.3	59.1	59.0	58.9	58.8	58.7	58.6	58.5	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
15	20	58.9	58.7	58.6	58.4	58.2	58.1	58.0	57.9	57.8	57.7	57.6	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
16	21	58.3	57.9	57.8	57.6	57.5	57.4	57.2	57.1	56.9	56.8	56.8	56.7	56.6	56.6	56.6	56.6	56.6	56.6	56.6
17	22	57.5	57.2	57.0	56.8	56.6	56.4	56.3	56.2	56.1	56.0	55.9	55.8	55.7	55.7	55.7	55.7	55.7	55.7	55.7
18	23	56.8	56.4	56.2	56.0	55.7	55.6	55.5	55.4	55.2	55.1	55.1	55.0	54.9	54.9	54.9	54.9	54.9	54.9	54.9
19	24	56.0	55.8	55.6	55.4	55.1	54.9	54.8	54.7	54.5	54.4	54.3	54.2	54.1	54.1	54.1	54.1	54.1	54.1	54.1
20	25	55.3	54.9	54.7	54.5	54.1	54.0	53.8	53.7	53.6	53.5	53.4	53.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2
21	26	54.6	54.1	53.9	53.7	53.5	53.2	53.0	52.9	52.8	52.6	52.5	52.4	52.3	52.3	52.3	52.3	52.3	52.3	52.3
22	27	53.9	53.4	53.2	53.0	52.8	52.4	52.2	52.1	51.9	51.8	51.7	51.6	51.5	51.5	51.5	51.5	51.5	51.5	51.5
23	28	53.2	52.7	52.5	52.2	52.0	51.6	51.5	51.3	51.1	51.0	50.9	50.8	50.7	50.7	50.7	50.7	50.7	50.7	50.7
24	29	52.5	52.3	52.0	51.7	51.5	50.9	50.7	50.5	50.3	50.2	50.1	50.0	49.9	49.9	49.9	49.9	49.9	49.9	49.9
25	30	51.9	51.6	51.5	51.3	51.1	50.5	50.1	49.9	49.6	49.4	49.2	49.1	49.0	49.0	49.0	49.0	49.0	49.0	49.0

	Ages													
	50	51	52	53	54	55	56	57	58	59	60	61	62	63
26	50.9	50.6	50.3	50.1	49.8	49.6	49.4	49.2	49.0	48.8	48.6	48.4	48.3	48.1
27	50.3	50.0	49.7	49.4	49.1	48.9	48.6	48.4	48.2	48.0	47.8	47.6	47.5	47.3
28	49.6	49.3	49.0	48.7	48.4	48.2	47.9	47.7	47.5	47.2	47.1	46.9	46.7	46.5
29	49.0	48.7	48.3	48.0	47.7	47.5	47.2	47.0	46.7	46.5	46.3	46.1	45.9	45.7
30	48.4	48.1	47.7	47.4	47.1	46.8	46.5	46.2	46.0	45.8	45.5	45.3	45.2	45.0
31	48.2	47.8	47.5	47.1	46.8	46.4	46.1	45.8	45.5	45.3	45.0	44.8	44.4	44.2
32	47.7	47.3	46.9	46.5	46.1	45.8	45.5	45.2	44.9	44.6	44.3	44.1	43.9	43.4
33	47.2	46.7	46.3	45.9	45.5	45.2	44.8	44.5	44.2	43.9	43.7	43.4	43.2	42.9
34	46.7	46.2	45.8	45.4	44.6	44.2	43.9	43.6	43.3	43.0	42.7	42.5	42.2	42.0
	Male 50	51	52	53	54	55	56	57	58	59	60	61	62	63
	Female 55	56	57	58	59	60	61	62	63	64	65	66	67	68
6	65.4	65.4	65.3	65.3	65.3	65.3	65.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2
7	64.5	64.5	64.4	64.4	64.4	64.4	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.2
8	63.6	63.6	63.5	63.5	63.5	63.5	63.4	63.4	63.4	63.4	63.4	63.4	63.3	63.3
9	62.7	62.7	62.7	62.6	62.6	62.6	62.5	62.5	62.5	62.5	62.5	62.4	62.4	62.4
10	61.8	61.8	61.8	61.7	61.7	61.7	61.6	61.6	61.6	61.6	61.6	61.5	61.5	61.5
11	61.0	60.9	60.9	60.8	60.8	60.8	60.7	60.7	60.7	60.6	60.6	60.6	60.6	60.6
12	60.1	60.0	60.0	59.9	59.9	59.9	59.8	59.8	59.8	59.7	59.7	59.7	59.7	59.7
13	59.2	59.1	59.1	59.0	59.0	59.0	58.9	58.9	58.9	58.8	58.8	58.8	58.8	58.8
14	58.3	58.2	58.2	58.1	58.1	58.1	58.0	58.0	58.0	57.9	57.9	57.9	57.9	57.9
15	57.4	57.4	57.3	57.3	57.2	57.2	57.1	57.1	57.1	57.0	57.0	57.0	57.0	56.9
16	56.5	56.5	56.4	56.4	56.3	56.3	56.2	56.2	56.2	56.1	56.1	56.1	56.1	56.0
17	55.7	55.6	55.5	55.5	55.4	55.4	55.3	55.3	55.3	55.2	55.2	55.2	55.1	55.1
18	54.8	54.7	54.7	54.6	54.6	54.5	54.5	54.4	54.4	54.3	54.3	54.3	54.2	54.2
19	53.9	53.9	53.8	53.7	53.7	53.6	53.6	53.5	53.5	53.4	53.4	53.4	53.3	53.3
20	53.1	53.0	52.9	52.8	52.8	52.7	52.7	52.6	52.6	52.5	52.5	52.4	52.4	52.4
21	52.2	52.1	52.0	52.0	51.9	51.8	51.8	51.7	51.7	51.6	51.6	51.5	51.5	51.5
22	51.4	51.3	51.2	51.1	51.0	51.0	50.9	50.8	50.8	50.7	50.7	50.6	50.6	50.6
23	50.5	50.4	50.3	50.2	50.2	50.1	50.0	50.0	49.9	49.8	49.8	49.7	49.7	49.7
24	49.7	49.6	49.5	49.4	49.3	49.2	49.1	49.1	49.0	48.9	48.9	48.8	48.8	48.8
25	48.8	48.7	48.6	48.5	48.4	48.3	48.3	48.2	48.1	48.1	48.0	48.0	47.9	47.9
26	48.0	47.9	47.8	47.7	47.6	47.5	47.4	47.3	47.3	47.2	47.1	47.1	47.0	47.0
27	47.2	47.1	46.9	46.8	46.7	46.6	46.5	46.5	46.4	46.3	46.2	46.2	46.1	46.1
28	46.4	46.3	46.1	46.0	45.9	45.8	45.7	45.6	45.5	45.4	45.4	45.3	45.2	45.2
29	45.6	45.4	45.3	45.2	45.1	44.9	44.8	44.7	44.7	44.6	44.5	44.4	44.4	44.3
30	44.8	44.6	44.5	44.4	44.2	44.1	44.0	43.9	43.8	43.7	43.6	43.6	43.5	43.4
31	44.0	43.9	43.7	43.6	43.4	43.3	43.2	43.1	43.0	42.9	42.8	42.7	42.6	42.0
32	43.3	43.1	42.9	42.8	42.6	42.5	42.4	42.2	42.1	42.0	41.9	41.9	41.8	41.7

		Ages															
		50	51	52	53	54	55	56	57	58	59	60	61	62	63		
Male	Male 50	50	51	52	53	54	55	56	57	58	59	60	61	62	63		
	Female 55	55	56	57	58	59	60	61	62	63	64	65	66	67	68		
33	38	42.5	42.3	42.1	42.0	41.8	41.7	41.5	41.4	41.3	41.2	41.1	41.0	40.9	40.8		
34	39	41.8	41.6	41.4	41.2	41.0	40.9	40.7	40.6	40.5	40.4	40.3	40.2	40.1	40.0		

		Ages															
		64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	
Male	Male 64	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	
	Female 69	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	
6	11	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
7	12	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.1	64.1	
8	13	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.2	63.2	63.2	63.2	
9	14	62.4	62.4	62.4	62.4	62.4	62.4	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
10	15	61.5	61.5	61.5	61.5	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	
11	16	60.6	60.6	60.6	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
12	17	59.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.5	59.5	
13	18	58.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.6	58.6	58.6	58.6	58.6	
14	19	57.8	57.8	57.8	57.8	57.8	57.8	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
15	20	56.9	56.9	56.9	56.9	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	
16	21	56.0	56.0	56.0	56.0	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.8	
17	22	55.1	55.1	55.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	54.9	54.9	54.9	54.9	
18	23	54.2	54.2	54.1	54.1	54.1	54.1	54.1	54.1	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
19	24	53.3	53.2	53.2	53.2	53.2	53.2	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	
20	25	52.4	52.3	52.3	52.3	52.3	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.1	52.1	
21	26	51.4	51.4	51.4	51.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.2	51.2	51.2	51.2	
22	27	50.5	50.5	50.5	50.5	50.4	50.4	50.4	50.4	50.4	50.3	50.3	50.3	50.3	50.3	50.3	
23	28	49.6	49.6	49.6	49.5	49.5	49.5	49.5	49.5	49.4	49.4	49.4	49.4	49.4	49.4	49.4	
24	29	48.7	48.7	48.7	48.6	48.6	48.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.4	48.4	
25	30	47.8	47.8	47.8	47.7	47.7	47.7	47.6	47.6	47.6	47.6	47.6	47.5	47.5	47.5	47.5	
26	31	46.9	46.9	46.8	46.8	46.8	46.8	46.7	46.7	46.7	46.7	46.6	46.6	46.6	46.6	46.6	
27	32	46.0	46.0	45.9	45.9	45.9	45.8	45.8	45.8	45.8	45.7	45.7	45.7	45.7	45.7	45.7	
28	33	45.1	45.1	45.1	45.0	45.0	44.9	44.9	44.9	44.8	44.8	44.8	44.8	44.8	44.8	44.8	
29	34	44.3	44.2	44.2	44.1	44.1	44.0	44.0	44.0	43.9	43.9	43.9	43.9	43.9	43.9	43.8	
30	35	43.4	43.3	43.3	43.2	43.2	43.1	43.1	43.1	43.1	43.0	43.0	43.0	43.0	42.9	42.9	
31	36	42.5	42.4	42.4	42.3	42.3	42.3	42.2	42.2	42.2	42.1	42.1	42.1	42.1	42.0	42.0	
32	37	41.6	41.6	41.5	41.5	41.4	41.4	41.3	41.3	41.3	41.2	41.2	41.2	41.2	41.1	41.1	
33	38	40.8	40.7	40.7	40.6	40.5	40.5	40.5	40.4	40.4	40.3	40.3	40.3	40.3	40.2	40.2	
34	39	39.9	39.9	39.8	39.7	39.7	39.6	39.6	39.5	39.5	39.5	39.4	39.4	39.4	39.3	39.3	

	Ages												
	47	48	49	50	51	52	53	54	55	56	57	58	59	60
42	43.3	42.7	42.1	41.6	41.0	40.5	40.0	39.6	39.1	38.7	38.2	37.8	37.5
43	43.0	42.3	41.8	41.2	40.6	40.1	39.6	39.1	38.6	38.2	37.7	37.3	36.9
44	42.6	42.0	41.4	40.8	40.2	39.7	39.2	38.7	38.2	37.7	37.2	36.8	36.4
45	42.3	41.7	41.1	40.5	39.9	39.3	38.8	38.2	37.7	37.2	36.8	36.3	35.9
46	42.0	41.4	40.7	40.1	39.5	38.9	38.4	37.8	37.3	36.8	36.3	35.9	35.4
47	41.8	41.1	40.4	39.8	39.2	38.6	38.0	37.5	36.9	36.4	35.9	35.4	35.0
	Male 48	49	50	51	52	53	54	55	56	57	58	59	60
	Female 53	54	55	56	57	58	59	60	61	62	63	64	65
35	41.5	41.3	41.0	40.8	40.6	40.4	40.3	40.1	40.0	39.8	39.7	39.6	39.5
36	40.8	40.6	40.3	40.1	39.9	39.7	39.5	39.3	39.2	39.0	38.9	38.8	38.6
37	39.9	39.6	39.4	39.2	39.0	38.8	38.6	38.4	38.4	38.3	38.1	38.0	37.9
38	39.5	39.2	39.0	38.7	38.5	38.3	38.1	37.9	37.7	37.5	37.3	37.2	37.1
39	38.9	38.6	38.3	38.0	37.8	37.6	37.3	37.1	36.9	36.8	36.6	36.4	36.3
40	38.3	38.0	37.7	37.4	37.1	36.9	36.6	36.4	36.2	36.0	35.9	35.7	35.5
41	37.7	37.3	37.0	36.7	36.5	36.2	36.0	35.7	35.5	35.3	35.1	35.0	34.8
42	37.1	36.8	36.4	36.1	35.8	35.6	35.3	35.1	34.8	34.6	34.4	34.2	34.1
43	36.5	36.2	35.8	35.5	35.2	34.9	34.7	34.4	34.2	33.9	33.7	33.5	33.3
44	36.0	35.6	35.3	34.9	34.6	34.3	34.0	33.8	33.5	33.3	33.0	32.8	32.6
45	35.5	35.1	34.7	34.4	34.0	33.7	33.4	33.1	32.9	32.6	32.4	32.2	31.9
46	35.0	34.6	34.2	33.8	33.5	33.1	32.8	32.5	32.2	32.0	31.7	31.5	31.3
47	34.5	34.1	33.7	33.3	32.9	32.6	32.2	31.9	31.6	31.4	31.1	30.9	30.6
48	34.0	33.6	33.2	32.8	32.4	32.0	31.7	31.4	31.1	30.8	30.5	30.2	30.0
49	33.6	33.1	32.7	32.3	31.9	31.5	31.2	30.8	30.5	30.2	29.9	29.6	29.4
50	33.2	32.7	32.3	31.8	31.4	31.0	30.6	30.3	29.9	29.6	29.3	29.0	28.8
51	32.8	32.3	31.8	31.4	30.9	30.5	30.1	29.8	29.4	29.1	28.8	28.5	28.2
52	32.4	31.9	31.4	30.9	30.5	30.1	29.7	29.3	28.9	28.6	28.2	27.9	27.6
53	32.0	31.5	31.0	30.5	30.1	29.6	29.2	28.8	28.4	28.1	27.7	27.4	27.1
54	31.7	31.2	30.6	30.1	29.7	29.2	28.8	28.3	27.9	27.6	27.2	26.9	26.5
55	31.4	30.8	30.3	29.8	29.3	28.8	28.3	27.9	27.5	27.1	26.7	26.4	26.0
56	31.1	30.5	29.9	29.4	28.9	28.4	27.9	27.5	27.1	26.7	26.3	25.9	25.5
57	30.8	30.2	29.6	29.1	28.6	28.1	27.6	27.1	26.7	26.2	25.8	25.4	25.1
58	30.5	29.9	29.3	28.8	28.2	27.7	27.2	26.7	26.3	25.8	25.4	25.0	24.6
59	30.2	29.6	29.0	28.5	27.9	27.4	26.9	26.4	25.9	25.4	25.0	24.6	24.2
60	30.0	29.4	28.8	28.2	27.6	27.1	26.5	26.0	25.5	25.1	24.6	24.2	23.8

	Ages		Ages																					
			Male								Female													
			61	62	63	64	65	66	67	68	61	62	63	64	65	66	67	68						
35	Male 61	Female 66	39.3	38.4	38.3	38.2	38.2	38.2	38.1	39.0	38.9	38.9	38.8	38.8	38.8	38.8	38.8	38.8	38.7	38.7	38.7	38.6	38.6	38.6
36	38.5	37.6	37.5	37.4	37.3	37.3	37.3	37.3	37.2	38.2	38.1	38.0	38.0	38.0	38.0	38.0	38.0	38.0	37.9	37.9	37.8	37.8	37.7	37.7
37	37.7	36.8	36.7	36.6	36.5	36.4	36.4	36.4	36.4	37.3	37.3	37.2	37.1	37.1	37.0	37.0	37.0	37.0	37.1	37.0	36.9	36.9	36.9	36.9
38	36.9	36.0	35.9	35.8	35.7	35.6	35.6	35.6	35.5	36.5	36.4	36.4	36.3	36.3	36.2	36.2	36.2	36.2	36.1	36.1	36.0	36.0	36.0	36.0
39	36.2	35.3	35.1	35.0	34.9	34.8	34.7	34.7	34.6	35.5	35.5	35.5	35.4	35.4	35.3	35.3	35.3	35.3	35.3	35.2	35.2	35.2	35.2	35.2
40	35.4	34.5	34.4	34.4	34.2	34.1	34.1	34.0	34.0	34.9	34.8	34.7	34.6	34.6	34.5	34.5	34.5	34.5	34.4	34.4	34.4	34.4	34.4	34.3
41	34.6	33.7	33.6	33.5	33.4	33.4	33.3	33.3	33.3	34.2	34.1	34.0	33.9	33.8	33.8	33.8	33.8	33.8	33.7	33.7	33.6	33.5	33.5	33.5
42	33.9	33.0	32.9	32.8	32.7	32.7	32.6	32.6	32.6	33.5	33.4	33.3	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.1	33.1	33.1	33.1	33.1
43	33.2	32.3	32.1	32.0	31.8	31.7	31.6	31.6	31.5	32.4	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.0	32.0	32.0	32.0
44	32.5	31.6	31.4	31.3	31.1	31.0	31.0	31.0	31.0	31.9	31.8	31.7	31.6	31.5	31.5	31.5	31.5	31.5	31.4	31.4	31.3	31.2	31.1	31.1
45	31.8	30.9	30.7	30.5	30.4	30.2	30.1	30.1	30.0	31.8	31.7	31.6	31.5	31.5	31.4	31.4	31.4	31.4	31.3	31.2	31.2	31.1	31.1	31.1
46	31.1	30.2	30.0	29.8	29.7	29.5	29.4	29.4	29.3	30.9	30.8	30.7	30.7	30.6	30.5	30.5	30.5	30.5	30.4	30.4	30.3	30.3	30.3	30.3
47	30.4	29.5	29.3	29.2	29.0	28.8	28.7	28.7	28.7	30.4	30.2	30.1	30.1	30.0	30.0	30.0	30.0	30.0	29.9	29.8	29.7	29.6	29.5	29.5
48	29.8	28.9	28.7	28.5	28.3	28.1	28.0	28.0	28.0	29.7	29.5	29.4	29.3	29.3	29.2	29.2	29.2	29.2	29.1	29.0	28.9	28.8	28.7	28.7
49	29.1	28.2	28.0	27.8	27.6	27.5	27.3	27.3	27.3	28.8	28.6	28.5	28.4	28.4	28.3	28.3	28.3	28.3	28.2	28.1	28.0	28.0	28.0	28.0
50	28.5	27.6	27.4	27.2	27.0	26.8	26.6	26.6	26.6	27.6	27.5	27.3	27.1	27.1	27.0	27.0	27.0	27.0	26.9	26.7	26.7	26.6	26.5	26.5
51	27.9	27.0	26.8	26.6	26.4	26.2	26.0	26.0	25.8	27.4	27.2	27.1	27.0	26.9	26.8	26.8	26.8	26.8	26.7	26.5	26.5	26.4	26.4	26.4
52	27.3	26.4	26.2	26.0	25.8	25.6	25.4	25.4	25.2	26.8	26.6	26.5	26.4	26.4	26.3	26.3	26.3	26.3	26.2	26.0	26.0	25.9	25.8	25.8
53	26.8	25.9	25.7	25.4	25.2	25.0	24.7	24.7	24.6	26.4	26.2	26.0	25.8	25.8	25.7	25.7	25.7	25.7	25.6	25.4	25.4	25.3	25.2	25.2
54	26.2	25.3	25.1	24.9	24.6	24.4	24.1	24.1	23.9	25.9	25.7	25.5	25.4	25.4	25.3	25.3	25.3	25.3	25.2	25.0	25.0	24.9	24.8	24.8
55	25.7	24.8	24.6	24.3	24.1	23.8	23.6	23.6	23.4	25.4	25.2	25.0	24.7	24.6	24.5	24.5	24.5	24.5	24.4	24.2	24.2	24.1	24.0	24.0
56	25.2	24.3	24.1	23.8	23.5	23.3	23.0	23.0	22.8	25.1	24.9	24.7	24.4	24.3	24.3	24.3	24.3	24.3	24.2	24.0	24.0	23.9	23.8	23.8
57	24.7	23.8	23.6	23.3	23.0	22.7	22.5	22.5	22.2	24.8	24.6	24.4	24.1	24.0	24.0	24.0	24.0	24.0	23.9	23.7	23.7	23.6	23.5	23.5
58	24.3	23.4	23.2	22.9	22.6	22.4	22.1	22.1	21.8	24.4	24.2	24.0	23.7	23.6	23.6	23.6	23.6	23.6	23.5	23.3	23.3	23.2	23.1	23.1
59	23.8	22.9	22.7	22.4	22.1	21.8	21.5	21.5	21.2	23.9	23.7	23.5	23.2	23.1	23.1	23.1	23.1	23.1	23.0	22.8	22.8	22.7	22.6	22.6
60	23.4	22.5	22.3	22.0	21.7	21.4	21.1	21.1	20.8	23.4	23.2	23.0	22.7	22.6	22.6	22.6	22.6	22.6	22.5	22.3	22.3	22.2	22.1	22.1
61	23.0	22.1	21.9	21.6	21.3	21.0	20.7	20.7	20.4	23.0	22.8	22.6	22.3	22.2	22.2	22.2	22.2	22.2	22.1	21.9	21.9	21.8	21.7	21.7
62	22.6	21.7	21.5	21.2	20.9	20.6	20.3	20.3	20.0	22.6	22.4	22.2	21.9	21.8	21.8	21.8	21.8	21.8	21.7	21.5	21.5	21.4	21.3	21.3
63	22.2	21.3	21.1	20.8	20.5	20.2	19.9	19.9	19.6	22.2	22.0	21.7	21.4	21.3	21.3	21.3	21.3	21.3	21.2	21.0	21.0	20.9	20.9	20.9
64	21.9	21.0	20.8	20.5	20.2	19.9	19.6	19.6	19.3	21.9	21.7	21.4	21.1	21.0	21.0	21.0	21.0	21.0	20.9	20.7	20.7	20.6	20.5	20.5
65	21.6	20.7	20.5	20.2	19.9	19.6	19.2	19.2	18.9	21.6	21.4	21.1	20.8	20.7	20.7	20.7	20.7	20.7	20.6	20.4	20.4	20.3	20.3	20.3
66	21.3	20.4	20.2	19.9	19.6	19.2	18.8	18.8	18.5	21.3	21.1	20.8	20.5	20.4	20.4	20.4	20.4	20.4	20.3	20.1	20.1	20.0	19.9	19.9
67	21.0	20.1	19.9	19.6	19.2	18.8	18.5	18.5	18.1	21.0	20.8	20.5	20.2	20.1	20.1	20.1	20.1	20.1	20.0	19.8	19.8	19.7	19.5	19.5
68	20.7	19.8	19.6	19.3	18.9	18.5	18.1	18.1	17.8	20.7	20.4	20.1	19.8	19.7	19.7	19.7	19.7	19.7	19.6	19.4	19.4	19.2	19.0	19.0
69	20.4	19.5	19.3	19.0	18.6	18.2	17.8	17.8	17.4	20.4	20.0	19.6	19.3	19.2	19.2	19.2	19.2	19.2	19.1	18.9	18.9	18.7	18.5	18.5
70	20.2	19.7	19.2	18.7	18.3	17.9	17.5	17.5	17.1	20.2	19.9	19.6	19.2	19.1	19.1	19.1	19.1	19.1	19.0	18.8	18.8	18.6	18.4	18.4
71	20.0	19.5	19.0	18.5	18.0	17.6	17.2	17.2	16.8	20.0	19.6	19.2	18.8	18.7	18.7	18.7	18.7	18.7	18.6	18.4	18.4	18.2	18.0	18.0
72	19.8	19.2	18.7	18.2	17.8	17.3	16.9	16.9	16.5	19.8	19.4	19.0	18.6	18.5	18.5	18.5	18.5	18.5	18.4	18.2	18.2	18.0	17.8	17.8
73	19.6	19.0	18.5	18.0	17.6	17.1	16.7	16.7	16.3	19.6	19.2	18.8	18.4	18.3	18.3	18.3	18.3	18.3	18.2	18.0	18.0	17.8	17.6	17.6
74	19.4	18.8	18.3	17.8	17.4	16.9	16.5	16.5	16.1	19.4	19.0	18.6	18.2	18.1	18.1	18.1	18.1	18.1	18.0	17.8	17.8	17.6	17.4	17.4
75	19.2	18.6	18.1	17.6	17.2	16.7	16.3	16.3	15.9	19.2	18.8	18.4	18.0	17.9	17.9	17.9	17.9	17.9	17.8	17.6	17.6	17.4	17.2	17.2
76	19.0	18.4	17.9	17.4	16.9	16.5	16.1	16.1	15.7	19.0	18.6	18.2	17.8	17.7	17.7	17.7	17.7	17.7	17.6	17.4	17.4	17.2	17.0	17.0
77	18.8	18.2	17.7	17.2	16.7	16.3	15.9	15.9	15.5	18.8	18.4	18.0	17.6	17.5	17.5	17.5	17.5	17.5	17.4	17.2	17.2	17.0	16.8	16.8
78	18.6	18.0	17.5	17.0	16.5	16.1	15.7	15.7	15.3	18.6	18.2	17.8	17.4	17.3	17.3	17.3	17.3	17.3	17.2	17.0	17.0	16.8	16.6	16.6

	73	74	75	76	77	78	79	80	81	82	83	84	85	14.4
	19.6	19.0	18.5	18.0	17.5	17.1	16.7	16.2	15.8	15.5	15.1	14.8	14.4	
	78	79	80	81	82	83	84	85	86	87	88	89	90	
	Male 74	Female 79												
	Male	Female												
35	38.6	38.5	38.5	38.5	38.5	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.3	38.3
36	37.7	37.6	37.6	37.6	37.6	37.6	37.5	37.5	37.5	37.5	37.5	37.5	37.4	37.4
37	36.8	36.8	36.7	36.7	36.7	36.7	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
38	36.0	35.9	35.9	35.9	35.9	35.8	35.8	35.8	35.8	35.8	35.7	35.7	35.7	35.7
39	35.1	35.1	35.0	35.0	35.0	34.9	34.9	34.9	34.9	34.9	34.8	34.8	34.8	34.8
40	34.3	34.2	34.2	34.2	34.1	34.1	34.1	34.1	34.0	34.0	34.0	34.0	34.0	34.0
41	33.4	33.4	33.3	33.3	33.3	33.3	33.2	33.2	33.2	33.2	33.1	33.1	33.1	33.1
42	32.6	32.6	32.5	32.5	32.5	32.4	32.4	32.4	32.3	32.3	32.3	32.3	32.3	32.3
43	31.8	31.8	31.7	31.7	31.7	31.6	31.6	31.5	31.5	31.5	31.5	31.4	31.4	31.4
44	31.0	30.9	30.9	30.8	30.8	30.8	30.8	30.7	30.7	30.7	30.6	30.6	30.6	30.6
45	30.2	30.1	30.1	30.0	30.0	30.0	29.9	29.9	29.9	29.8	29.8	29.8	29.8	29.8
46	29.4	29.4	29.3	29.3	29.2	29.2	29.2	29.1	29.1	29.0	29.0	29.0	28.9	28.9
47	28.7	28.6	28.5	28.5	28.5	28.4	28.4	28.3	28.3	28.2	28.2	28.2	28.1	28.1
48	27.9	27.8	27.8	27.8	27.7	27.6	27.6	27.5	27.5	27.5	27.4	27.4	27.4	27.4
49	27.2	27.1	27.0	27.0	26.9	26.9	26.8	26.8	26.7	26.7	26.6	26.6	26.6	26.6
50	26.4	26.3	26.3	26.3	26.2	26.1	26.1	26.0	26.0	25.9	25.9	25.8	25.8	25.8
51	25.7	25.6	25.5	25.5	25.5	25.4	25.3	25.3	25.2	25.2	25.1	25.1	25.0	25.0
52	25.0	24.9	24.8	24.7	24.7	24.6	24.6	24.5	24.5	24.4	24.4	24.3	24.3	24.3
53	24.3	24.2	24.1	24.0	23.9	23.9	23.8	23.7	23.7	23.6	23.6	23.5	23.5	23.5
54	23.6	23.5	23.4	23.3	23.3	23.2	23.2	23.1	23.0	23.0	22.9	22.9	22.8	22.8
55	23.0	22.9	22.8	22.7	22.7	22.6	22.5	22.4	22.3	22.3	22.2	22.2	22.1	22.1
56	22.3	22.2	22.1	22.1	22.0	21.9	21.8	21.7	21.6	21.6	21.5	21.5	21.4	21.4
57	21.7	21.6	21.5	21.3	21.3	21.2	21.1	21.1	21.0	20.9	20.8	20.8	20.7	20.7
58	21.1	21.0	20.8	20.7	20.6	20.6	20.5	20.4	20.3	20.2	20.2	20.1	20.0	20.0
59	20.5	20.4	20.2	20.1	20.0	20.0	19.9	19.8	19.7	19.6	19.5	19.4	19.4	19.4
60	19.9	19.8	19.6	19.5	19.5	19.4	19.3	19.1	19.0	19.0	18.9	18.8	18.7	18.7
61	19.4	19.2	19.1	18.9	18.9	18.8	18.7	18.5	18.4	18.3	18.3	18.2	18.1	18.1
62	18.8	18.7	18.5	18.3	18.3	18.2	18.1	18.0	17.8	17.7	17.7	17.6	17.5	17.5
63	18.3	18.1	18.0	17.8	17.8	17.6	17.5	17.4	17.3	17.2	17.1	17.0	16.9	16.9
64	17.8	17.6	17.4	17.3	17.3	17.1	17.0	16.8	16.7	16.6	16.5	16.4	16.3	16.3
65	17.3	17.1	16.9	16.7	16.7	16.6	16.4	16.3	16.2	16.0	15.9	15.8	15.8	15.8
66	16.9	16.6	16.4	16.3	16.3	16.1	15.9	15.8	15.6	15.5	15.4	15.3	15.2	15.2
67	16.4	16.2	16.0	15.8	15.8	15.6	15.4	15.3	15.1	15.0	14.9	14.8	14.7	14.7
68	16.0	15.7	15.5	15.3	15.3	15.1	15.0	14.8	14.6	14.5	14.4	14.3	14.2	14.2
69	15.6	15.3	15.1	14.9	14.9	14.7	14.5	14.3	14.2	14.0	13.9	13.8	13.7	13.7
70	15.2	14.9	14.7	14.5	14.5	14.3	14.1	13.9	13.7	13.6	13.4	13.3	13.2	13.2

		Ages														
		Male 98						Female								
		Male			Female			Female								
		99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
52	.....	24.3	24.2	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.0
53	.....	23.5	23.4	23.4	23.4	23.4	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
54	.....	22.8	22.7	22.7	22.7	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.5
55	.....	22.1	22.0	22.0	21.9	21.9	21.9	21.9	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
56	.....	21.4	21.3	21.3	21.2	21.2	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
57	.....	20.7	20.6	20.6	20.5	20.5	20.5	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
58	.....	20.0	19.9	19.9	19.8	19.8	19.8	19.8	19.8	19.7	19.7	19.7	19.7	19.7	19.7	19.7
59	.....	19.3	19.3	19.2	19.2	19.1	19.1	19.1	19.1	19.0	19.0	19.0	19.0	19.0	19.0	19.0
		Ages														
		Male 98			Female											
		Male 103			Female											
		99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
35	.....	38.3	38.3	38.3	38.3	38.3	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
36	.....	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.3
37	.....	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
38	.....	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
39	.....	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
40	.....	33.9	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
41	.....	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
42	.....	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
43	.....	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
44	.....	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
45	.....	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
46	.....	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.7
47	.....	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
48	.....	27.2	27.2	27.2	27.2	27.2	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
49	.....	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.3
50	.....	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.5
51	.....	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
52	.....	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
53	.....	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.2
54	.....	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
55	.....	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.7
56	.....	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
57	.....	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
58	.....	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.6
59	.....	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0

		Ages															
		Male								Female							
		86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101
60	.....	18.7	18.6	18.6	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.4	18.4	18.4	18.4	18.3	18.3
61	.....	18.1	18.0	17.9	17.9	17.9	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.7	17.7	17.7	17.7
62	.....	17.4	17.4	17.3	17.3	17.2	17.2	17.2	17.2	17.2	17.2	17.1	17.1	17.1	17.1	17.0	17.0
63	.....	16.8	16.8	16.7	16.7	16.6	16.6	16.6	16.6	16.6	16.5	16.5	16.5	16.5	16.4	16.4	16.4
64	.....	16.2	16.2	16.1	16.1	16.0	16.0	16.0	15.9	15.9	15.9	15.9	15.9	15.9	15.8	15.8	15.8
65	.....	15.7	15.6	15.5	15.5	15.4	15.4	15.4	15.4	15.4	15.3	15.3	15.3	15.3	15.2	15.2	15.2
66	.....	15.1	15.0	15.0	14.9	14.8	14.8	14.8	14.8	14.8	14.7	14.7	14.7	14.7	14.6	14.6	14.6
67	.....	14.6	14.5	14.4	14.4	14.3	14.2	14.2	14.2	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.0
68	.....	14.1	14.0	13.9	13.8	13.8	13.7	13.7	13.6	13.6	13.6	13.6	13.6	13.6	13.5	13.5	13.5
69	.....	13.6	13.5	13.4	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.1	13.1	13.1	13.0	13.0	12.9
70	.....	13.1	13.0	12.9	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.5	12.5	12.5	12.4	12.4	12.4
71	.....	12.6	12.5	12.4	12.3	12.2	12.2	12.2	12.1	12.1	12.1	12.1	12.0	12.0	12.0	11.9	11.9
72	.....	12.1	12.0	11.9	11.8	11.8	11.7	11.7	11.6	11.6	11.6	11.6	11.5	11.5	11.4	11.4	11.4
73	.....	11.7	11.6	11.5	11.4	11.3	11.3	11.2	11.2	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.9
74	.....	11.3	11.2	11.1	11.0	10.9	10.8	10.8	10.7	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.5
75	.....	10.9	10.8	10.7	10.5	10.5	10.4	10.4	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	10.0
76	.....	10.5	10.4	10.3	10.2	10.1	10.1	10.0	9.9	9.9	9.9	9.8	9.7	9.7	9.7	9.6	9.6
77	.....	10.2	10.0	9.9	9.8	9.7	9.6	9.6	9.5	9.5	9.5	9.4	9.3	9.3	9.2	9.2	9.2
78	.....	9.8	9.7	9.5	9.4	9.3	9.2	9.2	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8
79	.....	9.5	9.3	9.2	9.2	8.9	8.8	8.8	8.8	8.8	8.7	8.7	8.6	8.5	8.5	8.5	8.4
80	.....	9.2	9.0	8.9	8.7	8.6	8.5	8.4	8.4	8.3	8.3	8.3	8.3	8.2	8.1	8.1	8.1
81	.....	8.9	8.7	8.6	8.4	8.3	8.2	8.1	8.1	8.0	8.0	7.9	7.9	7.9	7.8	7.7	7.7
82	.....	8.6	8.4	8.3	8.1	8.0	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.5	7.5	7.4	7.4
83	.....	8.3	8.2	8.0	7.9	7.7	7.6	7.5	7.5	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1
84	.....	8.1	7.9	7.8	7.6	7.5	7.3	7.2	7.2	7.1	7.1	7.0	7.0	7.0	6.9	6.8	6.8

		Ages															
		Male								Female							
		98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
60	.....	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.2	18.2	18.2	18.2
61	.....	17.7	17.7	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.5
62	.....	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.9	16.9
63	.....	16.4	16.4	16.4	16.4	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.2
64	.....	15.8	15.8	15.8	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.6	15.6
65	.....	15.2	15.2	15.2	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.0	15.0
66	.....	14.6	14.6	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.4	14.4	14.4
67	.....	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9	13.9	13.8

68	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.3	13.3	13.3	13.2
69	12.9	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.7
70	12.4	12.4	12.3	12.3	12.3	12.3	12.3	12.3	12.2	12.2	12.2	12.1
71	11.9	11.9	11.8	11.8	11.8	11.8	11.8	11.7	11.7	11.7	11.7	11.6
72	11.4	11.4	11.3	11.3	11.3	11.3	11.3	11.2	11.2	11.2	11.2	11.1
73	10.9	10.9	10.9	10.8	10.8	10.8	10.8	10.7	10.7	10.7	10.7	10.6
74	10.5	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.3	10.2	10.2	10.1
75	10.0	10.0	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.7	9.7
76	9.6	9.5	9.5	9.5	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.3
77	9.2	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.9	8.9	8.9
78	8.8	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.5	8.5	8.4	8.4
79	8.4	8.4	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.1	8.0	8.0
80	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.7	7.7	7.6	7.6
81	7.7	7.6	7.6	7.6	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.3
82	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	7.0	6.9	6.9
83	7.1	7.0	6.9	6.9	6.8	6.8	6.7	6.7	6.7	6.7	6.6	6.6
84	6.8	6.7	6.6	6.6	6.5	6.5	6.4	6.4	6.4	6.3	6.3	6.3

	Ages															
	Male							Female								
	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101
85	Male	7.9	7.7	7.5	7.4	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.6
86	Female	7.7	7.5	7.3	7.1	7.0	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	6.4
87	Male	7.5	7.3	7.1	6.9	6.8	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	6.1
88	Female	7.3	7.1	6.9	6.7	6.6	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.9
89	Male	7.1	6.9	6.7	6.5	6.4	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.7
90	Female	7.0	6.8	6.6	6.4	6.2	6.1	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.5
91	Male	6.8	6.6	6.4	6.2	6.1	5.9	5.8	5.7	5.5	5.4	5.3	5.2	5.1	5.0	5.3
92	Female	6.7	6.5	6.3	6.1	5.9	5.8	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	5.2
93	Male	6.6	6.4	6.2	6.0	5.8	5.7	5.5	5.4	5.2	5.1	5.0	4.9	4.8	4.7	5.0
94	Female	6.5	6.3	6.1	5.9	5.7	5.5	5.4	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.9
95	Male	6.4	6.2	6.0	5.8	5.6	5.4	5.3	5.1	5.0	4.9	4.7	4.6	4.5	4.4	4.7
96	Female	6.4	6.1	5.9	5.7	5.5	5.3	5.2	5.0	4.9	4.7	4.6	4.5	4.4	4.3	4.6
97	Male	6.3	6.1	5.8	5.6	5.4	5.2	5.1	4.9	4.8	4.6	4.5	4.4	4.3	4.2	4.5
98	Female	6.2	6.0	5.8	5.5	5.3	5.1	5.0	4.8	4.7	4.5	4.4	4.3	4.2	4.1	4.4
99	Male	6.2	5.9	5.7	5.5	5.2	5.1	4.9	4.7	4.6	4.4	4.3	4.2	4.1	4.0	4.3

		Ages															
		Male 21	Female 26	22	23	24	25	26	27	28	29	30	31	32	33	34	
Male	6	47.7	47.0	46.3	45.6	44.8	44.1	43.3	42.5	41.8	41.0	40.2	39.4	38.6	37.8	37.0	
	7	47.5	46.8	46.1	45.4	44.6	43.9	43.2	42.4	41.6	40.9	40.1	39.3	38.5	37.7	37.0	
Female	11	46.4	45.8	45.1	44.5	43.8	43.1	42.4	41.7	41.0	40.2	39.5	38.8	38.0	37.2	36.6	
	12	46.1	45.5	44.8	44.2	43.6	42.9	42.2	41.5	40.8	40.1	39.3	38.6	37.9	37.1	36.5	
Male	16	44.8	44.2	43.6	43.0	42.4	41.8	41.2	40.5	39.9	39.2	38.6	37.9	37.2	36.5	35.9	
	17	44.4	43.8	43.2	42.6	42.0	41.4	40.8	40.2	39.6	39.0	38.3	37.7	37.0	36.3	35.7	
Female	21	44.8	44.2	43.6	43.0	42.4	41.8	41.2	40.5	39.9	39.2	38.6	37.9	37.2	36.5	35.9	
	22	44.4	43.8	43.2	42.6	42.0	41.4	40.8	40.2	39.6	39.0	38.3	37.7	37.0	36.3	35.7	
Male	26	42.7	42.2	41.7	41.2	40.7	40.2	39.6	39.1	38.5	37.9	37.3	36.7	36.1	35.4	34.8	
	27	42.2	41.8	41.3	40.8	40.3	39.8	39.3	38.7	38.2	37.6	37.0	36.4	35.8	35.2	34.6	
Female	31	40.2	39.6	39.1	38.5	38.0	37.4	36.8	36.3	35.7	35.2	34.6	34.1	33.5	32.9	32.3	
	32	39.6	39.1	38.5	38.0	37.4	36.8	36.3	35.7	35.2	34.6	34.1	33.5	32.9	32.3	31.7	
Male	36	37.3	37.0	36.7	36.4	36.0	35.7	35.3	34.9	34.6	34.1	33.7	33.3	32.8	32.3	31.8	
	37	36.7	36.4	36.1	35.8	35.5	35.2	34.8	34.5	34.1	33.7	33.3	32.9	32.4	32.0	31.6	
Female	41	35.4	35.2	34.9	34.6	34.4	34.1	33.7	33.4	33.1	32.7	32.3	32.0	31.6	31.1	30.7	
	42	35.2	34.9	34.6	34.3	34.0	33.7	33.3	33.0	32.6	32.3	31.9	31.6	31.2	30.8	30.4	

		Ages															
		Male 35	Female 40	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Male	6	36.2	35.4	34.6	33.8	33.0	32.2	31.4	30.6	29.8	29.0	28.2	27.5	26.7	25.9	25.1	24.3
	7	36.9	36.1	35.3	34.5	33.7	32.9	32.1	31.3	30.5	29.8	29.0	28.2	27.4	26.6	25.8	25.0
Female	11	36.7	36.0	35.2	34.4	33.6	32.8	32.0	31.2	30.4	29.7	28.9	28.1	27.3	26.5	25.7	24.9
	12	36.7	36.0	35.2	34.4	33.6	32.8	32.0	31.2	30.4	29.7	28.9	28.1	27.3	26.5	25.7	24.9

		Ages																		
		Male 35	Female 40	36	41	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
Male	Female	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
10	15	36.6	35.8	34.3	33.5	32.7	31.9	31.2	30.4	29.6	28.8	28.1	27.3	26.5	25.8	25.1	24.4	23.6	22.8	22.0
11	16	36.5	34.9	34.2	33.4	32.6	31.9	31.1	30.3	29.5	28.8	28.0	27.3	26.5	25.7	25.0	24.2	23.4	22.6	21.8
12	17	36.4	34.8	34.1	33.3	32.5	31.8	31.0	30.2	29.5	28.7	28.0	27.2	26.4	25.7	25.0	24.2	23.4	22.6	21.8
13	18	36.2	34.7	34.0	33.2	32.4	31.7	30.9	30.2	29.4	28.7	27.9	27.1	26.4	25.7	25.0	24.2	23.4	22.6	21.8
14	19	36.1	34.6	33.8	33.1	32.3	31.6	30.8	30.1	29.3	28.6	27.8	27.1	26.3	25.6	24.9	24.1	23.3	22.5	21.7
15	20	35.9	34.5	33.7	33.0	32.2	31.5	30.7	30.0	29.3	28.5	27.8	27.0	26.3	25.6	24.9	24.1	23.3	22.5	21.7
16	21	35.8	34.3	33.6	32.9	32.1	31.4	30.6	29.9	29.2	28.4	27.7	27.0	26.2	25.5	24.8	24.0	23.2	22.4	21.6
17	22	35.6	34.9	34.2	33.4	32.7	32.0	31.3	30.5	29.8	29.1	28.3	27.6	26.9	26.2	25.4	24.7	23.9	23.1	22.3
18	23	35.4	34.7	34.0	33.3	32.6	31.9	31.2	30.4	29.7	29.0	28.3	27.5	26.8	26.1	25.4	24.6	23.8	23.0	22.2
19	24	35.2	34.5	33.8	33.1	32.4	31.7	31.0	30.3	29.6	28.9	28.2	27.4	26.7	26.0	25.3	24.5	23.7	22.9	22.1
20	25	35.0	34.3	33.7	33.0	32.3	31.6	30.9	30.2	29.5	28.8	28.1	27.3	26.6	25.9	25.2	24.4	23.6	22.8	22.0
21	26	34.8	34.1	33.5	32.8	32.1	31.4	30.7	30.0	29.3	28.6	27.9	27.2	26.5	25.8	25.1	24.3	23.5	22.7	21.9
22	27	34.5	33.9	33.3	32.6	31.9	31.3	30.6	29.9	29.2	28.5	27.8	27.1	26.4	25.7	25.0	24.2	23.4	22.6	21.8
23	28	34.3	33.7	33.0	32.4	31.7	31.1	30.4	29.7	29.1	28.4	27.7	27.0	26.3	25.6	25.0	24.2	23.4	22.6	21.8
24	29	34.0	33.4	32.8	32.2	31.5	30.9	30.2	29.6	28.9	28.2	27.6	26.9	26.2	25.5	24.9	24.1	23.3	22.5	21.7
25	30	33.8	33.2	32.6	32.0	31.3	30.7	30.1	29.4	28.8	28.1	27.4	26.8	26.1	25.4	24.8	24.0	23.2	22.4	21.6
26	31	33.5	32.9	32.3	31.7	31.1	30.5	29.9	29.2	28.6	27.9	27.3	26.6	26.0	25.3	24.6	23.9	23.1	22.3	21.5
27	32	33.2	32.6	32.1	31.5	30.9	30.3	29.6	29.0	28.4	27.8	27.1	26.5	25.8	25.2	24.5	23.8	23.0	22.2	21.4
28	33	32.9	32.3	31.8	31.2	30.6	30.0	29.4	28.8	28.2	27.6	27.0	26.3	25.7	25.0	24.4	23.6	22.8	22.0	21.2
29	34	32.6	32.0	31.5	30.9	30.4	29.8	29.2	28.6	28.0	27.4	26.8	26.2	25.5	24.9	24.3	23.5	22.7	21.9	21.1
30	35	32.2	31.7	31.2	30.6	30.1	29.5	29.0	28.4	27.8	27.2	26.6	26.0	25.4	24.7	24.1	23.3	22.5	21.7	20.9
31	36	31.9	31.4	30.9	30.3	29.8	29.3	28.7	28.1	27.6	27.0	26.4	25.8	25.2	24.6	24.0	23.2	22.4	21.6	20.8
32	37	31.5	31.0	30.5	30.0	29.5	29.0	28.4	27.9	27.3	26.8	26.2	25.6	25.0	24.4	23.8	23.0	22.2	21.4	20.6
33	38	31.1	30.7	30.2	29.7	29.2	28.7	28.2	27.6	27.1	26.5	26.0	25.4	24.8	24.2	23.6	22.8	22.0	21.2	20.4
34	39	30.7	30.3	29.8	29.3	28.9	28.4	27.9	27.3	26.8	26.3	25.7	25.2	24.6	24.0	23.4	22.6	21.8	21.0	20.2

		Ages																		
		Male 50	Female 55	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
Male	Female	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
6	11	25.2	24.4	23.7	22.9	22.2	21.5	20.8	20.1	19.4	18.7	18.0	17.4	16.7	16.1	15.4	14.7	14.0	13.3	12.6
7	12	25.1	24.4	23.6	22.9	22.2	21.5	20.8	20.1	19.4	18.7	18.0	17.4	16.7	16.1	15.4	14.7	14.0	13.3	12.6
8	13	25.1	24.4	23.6	22.9	22.2	21.4	20.7	20.0	19.4	18.7	18.0	17.4	16.7	16.1	15.4	14.7	14.0	13.3	12.6
9	14	25.1	24.3	23.6	22.9	22.1	21.4	20.7	20.0	19.3	18.7	18.0	17.3	16.7	16.1	15.4	14.7	14.0	13.3	12.6
10	15	25.0	24.3	23.6	22.8	22.1	21.4	20.7	20.0	19.3	18.6	18.0	17.3	16.7	16.1	15.4	14.7	14.0	13.3	12.6
11	16	25.0	24.3	23.5	22.8	22.1	21.4	20.7	20.0	19.3	18.6	18.0	17.3	16.7	16.1	15.4	14.7	14.0	13.3	12.6
12	17	25.0	24.2	23.5	22.8	22.1	21.4	20.7	20.0	19.3	18.6	18.0	17.3	16.7	16.1	15.4	14.7	14.0	13.3	12.6

13	18	24.9	24.2	23.5	22.7	22.0	21.3	20.6	19.9	19.3	18.6	17.9	17.3	16.7	16.0
14	19	24.9	24.1	23.4	22.7	22.0	21.3	20.6	19.9	19.2	18.6	17.9	17.3	16.6	16.0
15	20	24.8	24.1	23.4	22.7	22.0	21.3	20.6	19.9	19.2	18.5	17.9	17.3	16.6	16.0
16	21	24.8	24.0	23.3	22.6	21.9	21.2	20.5	19.9	19.2	18.5	17.9	17.2	16.6	16.0
17	22	24.7	24.0	23.3	22.6	21.9	21.2	20.5	19.8	19.2	18.5	17.8	17.2	16.6	16.0
18	23	24.7	23.9	23.2	22.5	21.8	21.1	20.5	19.8	19.1	18.5	17.8	17.2	16.6	15.9
19	24	24.6	23.9	23.2	22.5	21.8	21.1	20.4	19.8	19.1	18.4	17.8	17.2	16.5	15.9
20	25	24.5	23.8	23.1	22.4	21.7	21.1	20.4	19.7	19.1	18.4	17.8	17.1	16.5	15.9
21	26	24.4	23.7	23.1	22.4	21.7	21.0	20.3	19.7	19.0	18.4	17.7	17.1	16.5	15.9
22	27	24.4	23.7	23.0	22.3	21.6	21.0	20.3	19.6	19.0	18.3	17.7	17.1	16.5	15.9
23	28	24.3	23.6	22.9	22.2	21.6	20.9	20.2	19.6	18.9	18.3	17.7	17.0	16.4	15.8
24	29	24.2	23.5	22.8	22.2	21.5	20.8	20.2	19.5	18.9	18.3	17.6	17.0	16.4	15.8
25	30	24.1	23.4	22.8	22.1	21.4	20.8	20.1	19.5	18.8	18.2	17.6	17.0	16.4	15.8
26	31	24.0	23.3	22.7	22.0	21.4	20.7	20.1	19.4	18.8	18.2	17.5	16.9	16.3	15.7
27	32	23.9	23.2	22.6	21.9	21.3	20.6	20.0	19.4	18.7	18.1	17.5	16.9	16.3	15.7
28	33	23.8	23.1	22.5	21.8	21.2	20.6	19.9	19.3	18.7	18.1	17.4	16.8	16.2	15.6
29	34	23.6	23.0	22.4	21.7	21.1	20.5	19.8	19.2	18.6	18.0	17.4	16.8	16.2	15.6
30	35	23.5	22.9	22.3	21.6	21.0	20.4	19.8	19.1	18.5	17.9	17.3	16.7	16.1	15.5
31	36	23.4	22.7	22.1	21.5	20.9	20.3	19.7	19.1	18.5	17.9	17.3	16.7	16.1	15.5
32	37	23.2	22.6	22.0	21.4	20.8	20.2	19.6	19.0	18.4	17.8	17.2	16.6	16.0	15.5
33	38	23.1	22.5	21.9	21.3	20.7	20.1	19.5	18.9	18.3	17.7	17.1	16.5	16.0	15.4
34	39	22.9	22.3	21.7	21.1	20.5	20.0	19.4	18.8	18.2	17.6	17.0	16.5	15.9	15.3

	Ages															
		65	66	67	68	69	70	71	72	73	74	75	76	77	78	
Male	Male 64	70	71	72	73	74	75	76	77	78	79	80	81	82	83	
	Female 69	15.5	14.9	14.3	13.7	13.1	12.6	12.0	11.5	11.0	10.5	10.0	9.6	9.1	8.7	
	11	15.5	14.9	14.3	13.7	13.1	12.6	12.0	11.5	11.0	10.5	10.0	9.6	9.1	8.7	
	12	15.5	14.9	14.3	13.7	13.1	12.6	12.0	11.5	11.0	10.5	10.0	9.6	9.1	8.7	
	13	15.5	14.9	14.3	13.7	13.1	12.6	12.0	11.5	11.0	10.5	10.0	9.6	9.1	8.7	
Female	14	15.5	14.9	14.3	13.7	13.1	12.6	12.0	11.5	11.0	10.5	10.0	9.5	9.1	8.7	
	15	15.4	14.8	14.3	13.7	13.1	12.6	12.0	11.5	11.0	10.5	10.0	9.5	9.1	8.7	
	16	15.4	14.8	14.2	13.7	13.1	12.6	12.0	11.5	11.0	10.5	10.0	9.5	9.1	8.7	
	17	15.4	14.8	14.2	13.6	13.1	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.1	8.6	
	18	15.4	14.8	14.2	13.6	13.1	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.1	8.6	
Male	19	15.4	14.8	14.2	13.6	13.1	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.1	8.6	
	20	15.4	14.8	14.2	13.6	13.1	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.1	8.6	
	21	15.4	14.8	14.2	13.6	13.1	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.1	8.6	
	22	15.4	14.8	14.2	13.6	13.0	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.1	8.6	
	23	15.3	14.7	14.2	13.6	13.0	12.5	12.0	11.4	10.9	10.4	10.0	9.5	9.1	8.6	
Female	24	15.3	14.7	14.1	13.6	13.0	12.5	12.0	11.4	10.9	10.4	10.0	9.5	9.1	8.6	
	25	15.3	14.7	14.1	13.6	13.0	12.5	11.9	11.4	10.9	10.4	10.0	9.5	9.1	8.6	
	25	15.3	14.7	14.1	13.6	13.0	12.5	11.9	11.4	10.9	10.4	10.0	9.5	9.1	8.6	

		Ages															
Male	Female	Male 64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	
		Female 69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	
21	26	15.3	14.7	14.1	13.5	13.0	12.5	11.9	11.4	10.9	10.4	9.9	9.5	9.0	8.6	8.2	
22	27	15.3	14.7	14.1	13.5	13.0	12.4	11.9	11.4	10.9	10.4	9.9	9.5	9.0	8.6	8.2	
23	28	15.2	14.6	14.1	13.5	13.0	12.4	11.9	11.4	10.9	10.4	9.9	9.5	9.0	8.6	8.2	
24	29	15.2	14.6	14.0	13.5	12.9	12.4	11.9	11.4	10.9	10.4	9.9	9.5	9.0	8.6	8.2	
25	30	15.2	14.6	14.0	13.5	12.9	12.4	11.9	11.4	10.9	10.4	9.9	9.5	9.0	8.6	8.2	
26	31	15.1	14.6	14.0	13.4	12.9	12.4	11.9	11.3	10.8	10.4	9.9	9.4	9.0	8.6	8.2	
27	32	15.1	14.5	14.0	13.4	12.9	12.4	11.8	11.3	10.8	10.4	9.9	9.4	9.0	8.6	8.2	
28	33	15.1	14.5	13.9	13.4	12.9	12.3	11.8	11.3	10.8	10.3	9.9	9.4	9.0	8.6	8.1	
29	34	15.0	14.5	13.9	13.4	12.8	12.3	11.8	11.3	10.8	10.3	9.9	9.4	9.0	8.5	8.1	
30	35	15.0	14.4	13.9	13.3	12.8	12.3	11.8	11.3	10.8	10.3	9.8	9.4	9.0	8.5	8.1	
31	36	14.9	14.4	13.8	13.3	12.8	12.2	11.7	11.2	10.8	10.3	9.8	9.4	8.9	8.5	8.1	
32	37	14.9	14.3	13.8	13.3	12.7	12.2	11.7	11.2	10.7	10.3	9.8	9.4	8.9	8.5	8.1	
33	38	14.8	14.3	13.8	13.2	12.7	12.2	11.7	11.2	10.7	10.2	9.8	9.3	8.9	8.5	8.1	
34	39	14.8	14.2	13.7	13.2	12.7	12.2	11.7	11.2	10.7	10.2	9.8	9.3	8.9	8.5	8.1	

		Ages															
Male	Female	Male 79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	
		Female 84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	
6	11	7.8	7.4	7.1	6.7	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	4.0	3.7	3.5	
7	12	7.8	7.4	7.1	6.7	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	4.0	3.7	3.5	
8	13	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	4.0	3.7	3.5	
9	14	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	4.0	3.7	3.5	
10	15	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	4.0	3.7	3.5	
11	16	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	4.0	3.7	3.5	
12	17	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	4.0	3.7	3.5	
13	18	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.3	5.1	4.8	4.5	4.2	4.0	3.7	3.5	
14	19	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	
15	20	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	
16	21	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	
17	22	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	
18	23	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	
19	24	7.8	7.4	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	
20	25	7.8	7.4	7.0	6.7	6.3	6.0	5.6	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	
21	26	7.8	7.4	7.0	6.7	6.3	6.0	5.6	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	
22	27	7.8	7.4	7.0	6.7	6.3	6.0	5.6	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	
23	28	7.8	7.4	7.0	6.6	6.3	6.0	5.6	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	

24	7.8	7.4	7.0	6.6	6.3	6.0	5.6	5.3	5.0	4.7	4.5	4.2	4.0	3.7	3.5
25	7.8	7.4	7.0	6.6	6.3	6.0	5.6	5.3	5.0	4.7	4.5	4.2	4.0	3.7	3.5
26	7.8	7.4	7.0	6.6	6.3	6.0	5.6	5.3	5.0	4.7	4.5	4.2	4.0	3.7	3.5
27	7.7	7.4	7.0	6.6	6.3	5.9	5.6	5.3	5.0	4.7	4.5	4.2	4.0	3.7	3.5
28	7.7	7.4	7.0	6.6	6.3	5.9	5.6	5.3	5.0	4.7	4.5	4.2	4.0	3.7	3.5
29	7.7	7.3	7.0	6.6	6.3	5.9	5.6	5.3	5.0	4.7	4.5	4.2	4.0	3.7	3.5
30	7.7	7.3	7.0	6.6	6.3	5.9	5.6	5.3	5.0	4.7	4.5	4.2	4.0	3.7	3.5
31	7.7	7.3	7.0	6.6	6.3	5.9	5.6	5.3	5.0	4.7	4.5	4.2	4.0	3.7	3.5
32	7.7	7.3	7.0	6.6	6.3	5.9	5.6	5.3	5.0	4.7	4.5	4.2	4.0	3.7	3.5
33	7.7	7.3	6.9	6.6	6.2	5.9	5.6	5.3	5.0	4.7	4.5	4.2	3.9	3.7	3.5
34	7.7	7.3	6.9	6.6	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9	3.7	3.5

	Ages																																
	Male		Female		94		95		96		97		98		99		100		101		102		103		104		105		106		107		108
	Male	Female	Male 94	Female 94	Male 95	Female 95	Male 96	Female 96	Male 97	Female 97	Male 98	Female 98	Male 99	Female 99	Male 100	Female 100	Male 101	Female 101	Male 102	Female 102	Male 103	Female 103	Male 104	Female 104	Male 105	Female 105	Male 106	Female 106	Male 107	Female 107	Male 108	Female 108	
6	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
7	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
8	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
9	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
10	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
11	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
12	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
13	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
14	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
15	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
16	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
17	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
18	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
19	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
20	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
21	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
22	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
23	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
24	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
25	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
26	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
27	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
28	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
29	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
30	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
31	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
32	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
33	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
34	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															
35	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7															

		Ages																													
		Male									Female																				
		95	96	97	98	99	100	101	102	103	104	105	106	107	108	95	96	97	98	99	100	101	102	103	104	105	106	107	108		
		Male 94	Male 95	Male 96	Male 97	Male 98	Male 99	Male 100	Male 101	Male 102	Male 103	Male 104	Male 105	Male 106	Male 107	Male 108	Female 99	Female 100	Female 101	Female 102	Female 103	Female 104	Female 105	Female 106	Female 107	Female 108	Female 109	Female 110	Female 111	Female 112	Female 113
31	.....	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7
32	.....	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7
33	.....	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7
34	.....	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7

		Ages																												
		Male									Female																			
		35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60			
		Male 35	Male 36	Male 37	Male 38	Male 39	Male 40	Male 41	Male 42	Male 43	Male 44	Male 45	Male 46	Male 47	Male 48	Male 49	Male 50	Male 51	Male 52	Male 53	Male 54	Male 55	Male 56	Male 57	Male 58	Male 59	Male 60			
40	30.3	29.9	29.4	29.0	28.5	28.0	27.5	27.0	26.5	26.2	25.8	25.4	25.0	24.6	24.2	23.8	23.4	23.0	22.6	22.2	21.9	21.6	21.3	21.0	20.7	20.4	20.1	19.8	19.5
41	29.9	29.5	29.0	28.6	28.2	27.7	27.2	26.7	26.2	25.8	25.4	25.0	24.6	24.2	23.8	23.4	23.0	22.6	22.2	21.9	21.6	21.3	21.0	20.7	20.4	20.1	19.8	19.5	19.2
42	29.4	29.0	28.6	28.2	27.8	27.3	26.9	26.4	26.0	25.6	25.2	24.8	24.4	24.0	23.6	23.2	22.8	22.4	22.0	21.6	21.2	20.8	20.4	20.0	19.6	19.2	18.8	18.4	18.0
43	29.0	28.6	28.2	27.8	27.4	27.0	26.6	26.2	25.8	25.4	25.0	24.6	24.2	23.8	23.4	23.0	22.6	22.2	21.8	21.4	21.0	20.6	20.2	19.8	19.4	19.0	18.6	18.2	17.8
44	28.5	28.2	27.8	27.4	27.0	26.6	26.2	25.8	25.4	25.0	24.6	24.2	23.8	23.4	23.0	22.6	22.2	21.8	21.4	21.0	20.6	20.2	19.8	19.4	19.0	18.6	18.2	17.8	17.4
45	28.0	27.7	27.3	27.0	26.6	26.2	25.8	25.4	25.0	24.6	24.2	23.8	23.4	23.0	22.6	22.2	21.8	21.4	21.0	20.6	20.2	19.8	19.4	19.0	18.6	18.2	17.8	17.4	17.0
46	27.5	27.2	26.9	26.5	26.2	25.8	25.4	25.0	24.6	24.2	23.8	23.4	23.0	22.6	22.2	21.8	21.4	21.0	20.6	20.2	19.8	19.4	19.0	18.6	18.2	17.8	17.4	17.0	16.6
47	27.0	26.7	26.4	26.1	25.8	25.4	25.0	24.6	24.2	23.8	23.4	23.0	22.6	22.2	21.8	21.4	21.0	20.6	20.2	19.8	19.4	19.0	18.6	18.2	17.8	17.4	17.0	16.6	16.2
48	26.5	26.2	25.9	25.6	25.3	25.0	24.6	24.2	23.8	23.4	23.0	22.6	22.2	21.8	21.4	21.0	20.6	20.2	19.8	19.4	19.0	18.6	18.2	17.8	17.4	17.0	16.6	16.2	15.8
49	26.0	25.7	25.5	25.2	24.8	24.5	24.2	23.8	23.4	23.0	22.6	22.2	21.8	21.4	21.0	20.6	20.2	19.8	19.4	19.0	18.6	18.2	17.8	17.4	17.0	16.6	16.2	15.8	15.4
50	25.5	25.2	25.0	24.7	24.4	24.1	23.8	23.4	23.0	22.6	22.2	21.8	21.4	21.0	20.6	20.2	19.8	19.4	19.0	18.6	18.2	17.8	17.4	17.0	16.6	16.2	15.8	15.4	15.0
51	24.9	24.7	24.4	24.2	23.9	23.6	23.3	23.0	22.7	22.4	22.1	21.8	21.5	21.2	20.9	20.6	20.3	20.0	19.7	19.4	19.1	18.8	18.5	18.2	17.9	17.6	17.3	17.0	16.7
52	24.4	24.2	23.9	23.7	23.4	23.1	22.9	22.6	22.3	22.0	21.7	21.4	21.1	20.8	20.5	20.2	19.9	19.6	19.3	19.0	18.7	18.4	18.1	17.8	17.5	17.2	16.9	16.6	16.3

		Ages																	
		Male									Female								
		48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
		Male 48	Male 49	Male 50	Male 51	Male 52	Male 53	Male 54	Male 55	Male 56	Male 57	Male 58	Male 59	Male 60	Male 61	Male 62	Male 63	Male 64	Male 65
40	.....	23.8	23.3	22.7	22.1	21.6	21.0	20.4	19.8	19.3	18.7	18.1	17.5	17.0	16.4	15.8	15.2	14.6	14.0
41	.....	23.6	23.1	22.5	22.0	21.4	20.8	20.3	19.7	19.1	18.6	18.0	17.4	16.9	16.3	15.7	15.1	14.5	13.9
42	.....	23.4	22.9	22.3	21.8	21.2	20.7	20.1	19.6	19.0	18.4	17.9	17.3	16.8	16.2	15.6	15.0	14.4	13.8
43	.....	23.2	22.6	22.1	21.6	21.1	20.5	20.0	19.4	18.9	18.3	17.8	17.2	16.7	16.1	15.5	14.9	14.3	13.7
44	.....	22.9	22.4	21.9	21.4	20.9	20.3	19.8	19.3	18.7	18.2	17.7	17.1	16.6	16.0	15.4	14.8	14.2	13.6
45	.....	22.7	22.2	21.7	21.2	20.7	20.1	19.6	19.1	18.6	18.0	17.5	17.0	16.5	15.9	15.3	14.7	14.1	13.5
46	.....	22.4	21.9	21.4	20.9	20.4	19.9	19.4	18.9	18.4	17.9	17.4	16.9	16.3	15.8	15.2	14.6	14.0	13.4
47	.....	22.1	21.6	21.2	20.7	20.2	19.7	19.2	18.7	18.2	17.7	17.2	16.7	16.2	15.6	15.0	14.4	13.8	13.2
48	.....	21.8	21.4	20.9	20.5	20.0	19.5	19.0	18.6	18.1	17.6	17.1	16.6	16.1	15.5	14.9	14.3	13.7	13.1
49	.....	21.5	21.1	20.6	20.2	19.8	19.3	18.8	18.4	17.9	17.4	16.9	16.4	15.9	15.3	14.7	14.1	13.5	12.9
50	.....	21.2	20.8	20.4	19.9	19.5	19.1	18.6	18.1	17.7	17.2	16.7	16.3	15.8	15.2	14.6	14.0	13.4	12.8

	Ages												
	61	62	63	64	65	66	67	68	69	70	71	72	73
46	20.9	20.5	20.1	19.7	19.2	18.8	18.4	17.9	17.5	17.0	16.6	16.1	15.6
47	20.5	20.1	19.8	19.4	19.0	18.5	18.1	17.7	17.3	16.8	16.4	15.9	15.5
48	20.2	19.8	19.4	19.1	18.7	18.3	17.9	17.5	17.0	16.6	16.2	15.7	15.3
49	19.8	19.5	19.1	18.8	18.4	18.0	17.6	17.2	16.8	16.4	16.0	15.5	15.1
50	19.4	19.1	18.8	18.4	18.1	17.7	17.3	16.9	16.6	16.2	15.8	15.3	14.9
51	19.1	18.8	18.4	18.1	17.8	17.4	17.0	16.7	16.3	15.9	15.5	15.1	14.7
52	18.7	18.4	18.1	17.8	17.4	17.1	16.8	16.4	16.0	15.7	15.3	14.9	14.5
53	18.3	18.0	17.7	17.4	17.1	16.8	16.4	16.1	15.8	15.4	15.1	14.7	14.3
54	17.9	17.6	17.3	17.0	16.8	16.4	16.1	15.8	15.5	15.1	14.8	14.4	14.1
55	17.5	17.2	16.9	16.7	16.4	16.1	15.8	15.5	15.2	14.9	14.5	14.2	13.9
56	17.0	16.8	16.6	16.3	16.0	15.8	15.5	15.2	14.9	14.6	14.3	13.9	13.6
57	16.6	16.4	16.2	15.9	15.7	15.4	15.1	14.9	14.6	14.3	14.0	13.7	13.4
58	16.2	16.0	15.8	15.5	15.3	15.1	14.8	14.5	14.3	14.0	13.7	13.4	13.1
59	15.7	15.5	15.3	15.1	14.9	14.7	14.4	14.2	13.9	13.7	13.4	13.1	12.8
60	15.3	15.1	14.9	14.7	14.5	14.3	14.1	13.9	13.6	13.4	13.1	12.8	12.6

	Ages												
	61	62	63	64	65	66	67	68	69	70	71	72	73
35	16.4	15.8	15.3	14.7	14.2	13.7	13.1	12.6	12.1	11.6	11.1	10.7	10.2
36	16.3	15.8	15.2	14.7	14.1	13.6	13.0	12.6	12.1	11.6	11.1	10.6	10.2
37	16.2	15.7	15.1	14.6	14.1	13.6	13.0	12.5	12.0	11.5	11.1	10.6	10.1
38	16.1	15.6	15.1	14.5	14.0	13.5	13.0	12.5	12.0	11.5	11.0	10.6	10.1
39	16.0	15.5	15.0	14.5	13.9	13.4	12.9	12.4	11.9	11.5	11.0	10.5	10.1
40	15.9	15.4	14.9	14.4	13.9	13.4	12.9	12.4	11.9	11.4	11.0	10.5	10.0
41	15.8	15.3	14.8	14.3	13.8	13.3	12.8	12.3	11.8	11.4	10.9	10.5	10.0
42	15.7	15.2	14.7	14.2	13.7	13.2	12.7	12.3	11.8	11.3	10.9	10.4	10.0
43	15.6	15.1	14.6	14.1	13.6	13.1	12.7	12.2	11.7	11.3	10.8	10.4	9.9
44	15.5	15.0	14.5	14.0	13.5	13.1	12.6	12.1	11.7	11.2	10.8	10.3	9.9
45	15.3	14.8	14.4	13.9	13.4	13.0	12.5	12.0	11.6	11.1	10.7	10.3	9.8
46	15.2	14.7	14.2	13.8	13.3	12.9	12.4	12.0	11.5	11.1	10.6	10.2	9.8
47	15.0	14.6	14.1	13.7	13.2	12.8	12.3	11.9	11.4	11.0	10.6	10.1	9.7
48	14.9	14.4	14.0	13.5	13.1	12.6	12.2	11.8	11.3	10.9	10.5	10.1	9.7
49	14.7	14.3	13.8	13.4	13.0	12.5	12.1	11.7	11.3	10.8	10.4	10.0	9.6
50	14.5	14.1	13.7	13.3	12.8	12.4	12.0	11.6	11.2	10.7	10.3	9.9	9.5
51	14.3	13.9	13.5	13.1	12.7	12.3	11.9	11.5	11.1	10.7	10.3	9.9	9.5
52	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.3	10.9	10.6	10.2	9.8	9.4
53	13.9	13.6	13.2	12.8	12.4	12.0	11.6	11.2	10.8	10.5	10.1	9.7	9.3
54	13.7	13.4	13.0	12.6	12.2	11.9	11.5	11.1	10.7	10.3	10.0	9.6	9.2
55	13.5	13.2	12.8	12.4	12.1	11.7	11.3	11.0	10.6	10.2	9.9	9.5	9.1

	Ages															
	Male		Female		Male		Female		Male		Female		Male		Female	
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
56	13.3	12.9	12.6	12.2	11.9	11.5	11.2	10.8	10.5	10.3	10.0	9.8	9.4	9.1	8.8	8.5
57	13.0	12.7	12.4	12.1	11.7	11.4	11.0	10.7	10.3	10.0	9.8	9.6	9.3	9.0	8.7	8.4
58	12.8	12.5	12.2	11.8	11.5	11.2	10.9	10.5	10.2	9.9	9.7	9.4	9.1	8.8	8.5	8.2
59	12.6	12.3	11.9	11.6	11.3	11.0	10.7	10.4	10.0	9.7	9.5	9.2	8.9	8.7	8.4	8.1
60	12.3	12.0	11.7	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.8	8.5	8.2	8.0
61	11.8	11.5	11.2	10.9	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.6	8.3	8.1	7.8	7.7
62	11.5	11.2	11.0	10.7	10.4	10.1	9.8	9.6	9.3	9.0	8.7	8.5	8.2	8.0	7.7	7.5
63	11.2	11.0	10.7	10.5	10.2	10.0	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.9	7.7	7.5
64	11.0	10.7	10.5	10.2	10.0	9.8	9.5	9.3	9.0	8.8	8.6	8.4	8.1	7.9	7.7	7.5
65	10.9	10.7	10.5	10.2	10.0	9.8	9.5	9.3	9.0	8.8	8.6	8.4	8.1	7.9	7.7	7.5
66	10.6	10.4	10.2	10.0	9.8	9.5	9.3	9.1	8.8	8.6	8.4	8.1	7.9	7.7	7.5	7.3
67	10.3	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.6	8.4	8.1	7.9	7.7	7.5	7.3	7.1
68	10.0	9.8	9.7	9.5	9.3	9.1	8.9	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.2	7.0
69	9.7	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.8
70	9.4	9.3	9.1	8.9	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.8	6.7
71	9.1	9.0	8.8	8.7	8.5	8.3	8.1	8.0	7.8	7.6	7.4	7.2	7.0	6.8	6.7	6.6
72	8.8	8.7	8.5	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.2	7.0	6.8	6.7	6.6	6.5
73	8.5	8.4	8.2	8.1	8.0	7.8	7.7	7.5	7.3	7.2	7.0	6.8	6.7	6.6	6.5	6.4

	Ages															
	Male		Female		Male		Female		Male		Female		Male		Female	
	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
35	9.7	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.6	6.2	5.9	5.6	5.3	5.0	4.7	4.4
36	9.7	9.3	8.9	8.4	8.0	7.7	7.3	6.9	6.6	6.2	5.9	5.6	5.3	5.0	4.7	4.4
37	9.7	9.3	8.8	8.4	8.0	7.6	7.3	6.9	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4
38	9.7	9.2	8.8	8.4	8.0	7.6	7.2	6.9	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4
39	9.6	9.2	8.8	8.4	8.0	7.6	7.2	6.9	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4
40	9.6	9.2	8.8	8.4	8.0	7.6	7.2	6.9	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4
41	9.6	9.2	8.7	8.3	7.9	7.6	7.2	6.8	6.5	6.2	5.8	5.5	5.2	4.9	4.6	4.3
42	9.5	9.1	8.7	8.3	7.9	7.5	7.2	6.8	6.5	6.2	5.8	5.5	5.2	4.9	4.6	4.3
43	9.5	9.1	8.7	8.3	7.9	7.5	7.2	6.8	6.5	6.1	5.8	5.5	5.2	4.9	4.6	4.3
44	9.0	9.0	8.6	8.2	7.9	7.5	7.1	6.8	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3
45	9.4	9.0	8.6	8.2	7.8	7.5	7.1	6.8	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3
46	9.4	9.0	8.6	8.2	7.8	7.4	7.1	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3
47	9.3	8.9	8.5	8.1	7.7	7.4	7.1	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3
48	9.3	8.9	8.5	8.1	7.7	7.4	7.0	6.7	6.4	6.0	5.7	5.4	5.1	4.8	4.5	4.2
49	9.2	8.8	8.4	8.1	7.7	7.3	7.0	6.7	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2
50	8.8	8.3	8.4	8.0	7.7	7.3	7.0	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2

Internal Revenue Service, Treasury

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51	56	9.1	8.7	8.3	8.0	7.6	7.3	6.9	6.6	6.3	6.0	5.7	5.4	5.1
52	57	9.0	8.6	8.3	7.9	7.6	7.2	6.9	6.6	6.2	5.9	5.6	5.4	5.1
53	58	8.9	8.6	8.2	7.9	7.5	7.2	6.9	6.5	6.2	5.9	5.6	5.3	5.0
54	59	8.5	8.2	7.8	7.5	7.1	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.7
55	60	8.8	8.4	8.1	7.7	7.4	7.1	6.8	6.4	6.1	5.8	5.5	5.2	4.9
56	61	8.7	8.4	8.0	7.7	7.3	7.0	6.7	6.4	6.1	5.8	5.5	5.2	4.9
57	62	8.6	8.3	7.9	7.6	7.3	7.0	6.7	6.4	6.1	5.8	5.5	5.2	4.9
58	63	8.5	8.2	7.9	7.5	7.2	6.9	6.6	6.3	6.0	5.7	5.5	5.2	4.9
59	64	8.4	8.1	7.8	7.5	7.1	6.8	6.5	6.3	6.0	5.7	5.4	5.2	4.9
60	65	8.3	8.0	7.7	7.4	7.1	6.8	6.5	6.2	5.9	5.6	5.4	5.1	4.9
61	66	8.2	7.9	7.6	7.3	7.0	6.7	6.4	6.1	5.9	5.6	5.3	5.1	4.8
62	67	8.1	7.8	7.5	7.2	6.9	6.6	6.4	6.1	5.8	5.5	5.3	5.0	4.8
63	68	8.0	7.7	7.4	7.1	6.8	6.6	6.3	6.0	5.7	5.5	5.2	5.0	4.7
64	69	7.8	7.6	7.3	7.0	6.7	6.5	6.2	5.9	5.7	5.4	5.2	4.9	4.7
65	70	7.7	7.4	7.2	6.9	6.6	6.4	6.1	5.9	5.6	5.4	5.1	4.9	4.7
66	71	7.6	7.3	7.1	6.8	6.5	6.3	6.0	5.8	5.5	5.3	5.1	4.8	4.6
67	72	7.4	7.2	6.9	6.7	6.4	6.2	6.0	5.7	5.5	5.2	5.0	4.8	4.6
68	73	7.3	7.0	6.8	6.6	6.3	6.1	5.9	5.6	5.4	5.2	4.9	4.7	4.5
69	74	7.1	6.9	6.7	6.4	6.2	6.0	5.8	5.5	5.3	5.1	4.9	4.7	4.5
70	75	7.0	6.8	6.5	6.3	6.1	5.9	5.7	5.4	5.2	5.0	4.8	4.6	4.4
71	76	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.3	5.1	4.9	4.7	4.5	4.3
72	77	6.6	6.4	6.3	6.1	5.9	5.7	5.5	5.3	5.0	4.9	4.7	4.5	4.3
73	78	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	5.0	4.8	4.6	4.4	4.2
74	79	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.9	4.7	4.5	4.3	4.1
75	80	6.1	6.0	5.8	5.6	5.5	5.3	5.1	4.9	4.8	4.6	4.4	4.2	4.1
76	81	6.0	5.8	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.1	4.0
77	82	5.8	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.4	4.2	4.1	3.9
78	83	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.8
79	84	5.4	5.3	5.2	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.7
80	85	5.2	5.1	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6
81	86	5.0	4.9	4.8	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.7	3.6
82	87	4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5
83	88	4.7	4.6	4.5	4.4	4.3	4.2	4.1	3.9	3.8	3.7	3.6	3.5	3.4
84	89	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3
85	90	4.3	4.2	4.1	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2
86	91	4.1	4.1	4.0	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.2	3.1

		Ages													
Male	Female	Male 87	88	89	90	91	92	93	94	95	96	97			
		Female 92	93	94	95	96	97	98	99	100	101	102			
		5.0		4.7	4.4	4.2	3.9	3.7	3.5	3.3	3.1	2.9			
				4.0										2.7	

		Ages																										
Male	Female	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
		Male 87 Female 92	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
36	41	5.0	4.7	4.4	4.2	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
37	42	5.0	4.7	4.4	4.2	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
38	43	5.0	4.7	4.4	4.2	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
39	44	5.0	4.7	4.4	4.2	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
40	45	5.0	4.7	4.4	4.2	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
41	46	5.0	4.7	4.4	4.2	3.9	3.7	3.5	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
42	47	4.9	4.7	4.4	4.2	3.9	3.7	3.5	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
43	48	4.9	4.7	4.4	4.1	3.9	3.7	3.5	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
44	49	4.9	4.7	4.4	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
45	50	4.9	4.6	4.4	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
46	51	4.9	4.6	4.4	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
47	52	4.9	4.6	4.4	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
48	53	4.9	4.6	4.4	4.1	3.9	3.6	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
49	54	4.9	4.6	4.3	4.1	3.9	3.6	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
50	55	4.8	4.6	4.3	4.1	3.9	3.6	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
51	56	4.8	4.6	4.3	4.1	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
52	57	4.8	4.5	4.3	4.1	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
53	58	4.8	4.5	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
54	59	4.8	4.5	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
55	60	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
56	61	4.7	4.5	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
57	62	4.7	4.5	4.2	4.0	3.8	3.5	3.3	3.1	2.9	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
58	63	4.7	4.4	4.2	4.0	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
59	64	4.6	4.4	4.2	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

		Ages															
Male	Female	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
		Male 98 Female 103	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
35	40	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7
36	41	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7
37	42	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7
38	43	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7
39	44	2.4	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7
40	45	2.4	2.2	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7
41	46	2.4	2.2	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7
42	47	2.4	2.2	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7
43	48	2.4	2.2	2.0	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7

44	2.4	2.2	2.0	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.7
45	2.4	2.2	2.0	1.8	1.7	1.5	1.3	1.1	1.0	0.8	0.7
46	2.4	2.2	2.0	1.8	1.7	1.5	1.3	1.1	1.0	0.8	0.7
47	2.4	2.2	2.0	1.8	1.7	1.5	1.3	1.1	1.0	0.8	0.7
48	2.4	2.2	2.0	1.8	1.7	1.5	1.3	1.1	1.0	0.8	0.7
49	2.4	2.2	2.0	1.8	1.7	1.5	1.3	1.1	1.0	0.8	0.7
50	2.4	2.2	2.0	1.8	1.6	1.5	1.3	1.1	1.0	0.8	0.7
51	2.4	2.2	2.0	1.8	1.6	1.5	1.3	1.1	1.0	0.8	0.7
52	2.4	2.2	2.0	1.8	1.6	1.5	1.3	1.1	1.0	0.8	0.7
53	2.4	2.2	2.0	1.8	1.6	1.5	1.3	1.1	1.0	0.8	0.7
54	2.4	2.2	2.0	1.8	1.6	1.5	1.3	1.1	1.0	0.8	0.7
55	2.4	2.2	2.0	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.7
56	2.4	2.2	2.0	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.7
57	2.4	2.2	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.8	0.7
58	2.4	2.2	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.8	0.7
59	2.3	2.2	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.8	0.7

	Ages											
	Male 87	88	89	90	91	92	93	94	95	96	97	98
60	4.6	4.4	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.5
61	4.6	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.5
62	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.5
63	4.5	4.3	4.1	3.8	3.6	3.4	3.2	3.0	2.9	2.7	2.5	2.5
64	4.5	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.4
65	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.4
66	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.4
67	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.8	2.6	2.4	2.4
68	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.8	2.6	2.4	2.4
69	4.2	4.0	3.8	3.6	3.5	3.3	3.1	2.9	2.7	2.6	2.4	2.4
70	4.2	4.0	3.8	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.4	2.4
71	4.1	3.9	3.8	3.6	3.4	3.2	3.0	2.9	2.7	2.5	2.3	2.3
72	4.1	3.9	3.7	3.5	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.3
73	4.0	3.8	3.7	3.5	3.3	3.1	3.0	2.8	2.6	2.5	2.3	2.3
74	3.9	3.8	3.6	3.4	3.3	3.1	2.9	2.8	2.6	2.4	2.3	2.3
75	3.9	3.7	3.5	3.4	3.2	3.0	2.9	2.7	2.6	2.4	2.2	2.2
76	3.8	3.6	3.5	3.3	3.2	3.0	2.8	2.7	2.5	2.4	2.2	2.2
77	3.7	3.6	3.4	3.3	3.1	3.0	2.8	2.6	2.5	2.3	2.2	2.2
78	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.3	2.1	2.1
79	3.6	3.4	3.3	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1	2.1

TABLE III—PERCENT VALUE OF REFUND FEATURE

Ages		Duration of guaranteed amount—[Years]												
Male	Female	1	2	3	4	5	6	7	8	9	10	11	12	13
6	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	1
7	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1
8	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
9	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
10	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
11	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
12	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
13	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
14	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
15	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
16	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
17	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
18	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
19	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
20	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
21	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
22	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
23	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
24	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
25	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
26	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
27	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
28	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
29	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
30	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
31	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
32	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
33	38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
34	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
35	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
36	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
37	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
38	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
39	44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
40	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
41	46	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
42	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4

TABLE III—PERCENT VALUE OF REFUND FEATURE—Continued

Ages		Duration of guaranteed amount—[Years]													
		1	2	3	4	5	6	7	8	9	10	11	12	13	
Male	Female														
	90	6	11	17	22	27	32	36	41	44	48	51	55	57	
Ages		Duration of guaranteed amount—[Years]													
Male	Female	14	15	16	17	18	19	20	21	22	23	24	25	26	
	6	1	1	1	1	1	1	1	1	1	1	1	1	2	
7	1	1	1	1	1	1	1	1	1	1	1	1	2		
8	1	1	1	1	1	1	1	1	1	1	1	1	2		
9	1	1	1	1	1	1	1	1	1	1	1	1	2		
10	1	1	1	1	1	1	1	1	1	1	1	1	2		
11	1	1	1	1	1	1	1	1	1	1	1	1	2		
12	1	1	1	1	1	1	1	1	1	1	1	1	2		
13	1	1	1	1	1	1	1	1	1	1	1	1	2		
14	1	1	1	1	1	1	1	1	1	1	1	1	2		
15	1	1	1	1	1	1	1	1	1	1	1	1	2		
16	1	1	1	1	1	1	1	1	1	1	1	1	2		
17	1	1	1	1	1	1	1	1	1	1	1	1	2		
18	1	1	1	1	1	1	1	1	1	1	1	1	2		
19	1	1	1	1	1	1	1	1	1	1	1	1	2		
20	1	1	1	1	1	1	1	1	1	1	1	1	2		
21	1	1	1	1	1	1	1	1	1	1	1	1	2		
22	1	1	1	1	1	1	1	1	1	1	1	1	2		
23	1	1	1	1	1	1	1	1	1	1	1	1	2		
24	1	1	1	1	1	1	1	1	1	1	1	1	2		
25	1	1	1	1	1	1	1	1	1	1	1	1	2		
26	1	1	1	1	1	1	1	1	1	1	1	1	2		
27	1	1	1	1	1	1	1	1	1	1	1	1	2		
28	1	1	1	1	1	1	1	1	1	1	1	1	2		
29	1	1	1	1	1	1	1	1	1	1	1	1	2		
30	1	1	1	1	1	1	1	1	1	1	1	1	2		
31	1	2	2	2	2	2	2	2	2	2	2	2	2		
32	2	2	2	2	2	2	2	2	2	2	2	2	2		
33	2	2	2	2	2	2	2	2	2	2	2	2	2		
34	2	2	2	2	2	2	2	2	2	2	2	2	2		
35	2	2	2	2	2	2	2	2	2	2	2	2	2		
36	2	2	2	2	2	2	2	2	2	2	2	2	2		
37	2	2	2	2	2	2	2	2	2	2	2	2	2		
38	2	2	2	2	2	2	2	2	2	2	2	2	2		
39	2	2	2	2	2	2	2	2	2	2	2	2	2		
40	2	2	2	2	2	2	2	2	2	2	2	2	2		
41	2	2	2	2	2	2	2	2	2	2	2	2	2		
42	2	2	2	2	2	2	2	2	2	2	2	2	2		

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38	43	4	4	4	5	5	6	6	7	7	8	8	8	9	9	9	10
39	44	4	4	4	5	6	6	6	7	7	8	8	8	9	10	10	10
40	45	4	4	5	5	6	6	7	7	8	8	9	9	10	10	10	10
41	46	5	5	5	6	6	7	7	8	8	9	9	10	10	11	11	11
42	47	5	5	5	6	6	7	7	8	8	9	9	10	10	11	11	11
43	48	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
44	49	6	6	6	7	7	8	8	9	9	10	10	11	11	12	12	12
45	50	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
46	51	6	7	7	8	8	9	9	10	10	11	11	12	12	13	14	14
47	52	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	15
48	53	7	8	8	9	10	10	11	11	12	12	13	13	14	14	15	16
49	54	8	8	9	10	11	11	12	12	13	13	14	14	15	15	16	17
50	55	8	9	10	11	11	12	12	13	13	14	14	15	15	16	17	18
51	56	10	10	10	11	12	13	14	14	15	15	16	16	17	17	18	18
52	57	10	11	11	12	13	14	15	16	16	17	17	18	18	19	19	20
53	58	10	11	12	13	14	15	16	16	17	17	18	18	19	19	20	21
54	59	11	12	13	14	15	16	17	17	18	18	19	19	20	20	21	22
55	60	11	13	14	15	16	17	18	18	19	20	20	21	21	22	22	23
56	61	13	13	15	16	17	18	20	20	21	21	22	22	23	23	24	24
57	62	14	14	16	17	18	19	20	21	21	22	22	23	23	24	24	25
58	63	14	15	17	18	19	20	21	22	22	23	23	24	24	25	25	26
59	64	15	16	18	19	20	21	22	23	23	24	24	25	25	26	26	27
60	65	16	18	19	20	21	22	23	24	24	25	25	26	26	27	27	28
61	66	17	19	20	22	23	24	25	27	27	28	28	29	29	30	30	31
62	67	18	20	22	23	25	27	28	28	30	30	31	31	32	32	32	33
63	68	20	21	23	25	26	28	30	30	32	32	33	33	33	34	34	35
64	69	21	23	24	26	28	28	30	32	33	33	34	34	35	35	35	36
65	70	22	24	26	28	30	32	33	33	35	35	36	36	37	37	37	38
66	71	24	26	28	29	31	33	35	37	37	39	39	40	40	40	40	41
67	72	25	27	29	31	33	35	37	39	39	41	41	42	42	42	42	43
68	73	27	29	31	33	35	37	39	41	41	43	43	44	44	44	44	45
69	74	28	30	33	35	37	39	41	43	43	45	45	46	46	46	46	47
70	75	30	32	34	37	39	41	43	45	45	47	47	48	48	48	48	49
71	76	32	34	36	39	41	43	45	47	47	49	49	50	50	50	50	51
72	77	34	36	38	41	43	45	47	49	49	51	51	52	52	52	52	53
73	78	35	38	40	43	45	47	49	51	51	53	53	54	54	54	54	55
74	79	37	40	42	45	47	49	51	53	53	55	55	56	56	56	56	57
75	80	39	42	44	47	49	51	53	55	55	57	57	58	58	58	58	59
76	81	41	44	46	49	51	53	55	57	57	59	59	60	60	60	60	61
77	82	43	46	48	51	53	55	57	59	59	61	61	62	62	62	62	63
78	83	45	48	50	53	55	57	59	61	61	63	63	64	64	64	64	65
79	84	48	50	53	55	57	59	61	63	63	65	65	66	66	66	66	67
80	85	50	52	55	57	59	61	63	65	65	67	67	68	68	68	68	69

		Duration of guaranteed amount—[Years]													
		14	15	16	17	18	19	20	21	22	23	24	25	26	
Male	86														
	87														
	88														
	89														
	90														
Female	52														
	54														
	56														
	58														
	60														
62															

Ages		Duration of guaranteed amount—[Years]													
		27	28	29	30	31	32	33	34	35					
Male	6														
	7														
	8														
	9														
	10														
	11														
	12														
	13														
	14														
	15														
Female	11														
	12														
	13														
	14														
	15														
	16														
	17														
	18														
	19														
	20														
Male	21														
	22														
	23														
	24														
	25														
	26														
	27														
	28														
	29														
	30														
Female	31														
	32														
	33														
	34														
	35														
	36														
	37														
	38														
	39														
	40														

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36	41	8	9	9	10	10	11	11	12	12	13	13
37	42	9	9	10	11	11	12	12	13	13	14	14
38	43	9	10	11	12	13	14	14	15	15	16	16
39	44	10	11	12	13	14	15	15	16	16	17	17
40	45	11	11	12	13	14	15	16	17	17	18	18
41	46	11	12	13	14	15	16	17	18	18	19	19
42	47	12	13	14	15	16	17	18	19	19	20	20
43	48	13	14	15	16	17	18	19	20	20	21	21
44	49	14	15	16	17	18	19	20	21	21	22	22
45	50	15	16	17	18	19	20	21	22	22	23	23
46	51	16	17	18	19	20	21	22	23	23	24	24
47	52	17	18	19	20	21	22	23	24	24	25	25
48	53	18	19	20	21	22	23	24	25	25	26	26
49	54	19	20	21	22	23	24	25	26	26	27	27
50	55	20	21	22	23	24	25	26	27	27	28	28
51	56	21	22	23	24	25	26	27	28	28	29	29
52	57	22	23	24	25	26	27	28	29	29	30	30
53	58	23	24	25	26	27	28	29	30	30	31	31
54	59	24	25	26	27	28	29	30	31	31	32	32
55	60	25	26	27	28	29	30	31	32	32	33	33
56	61	26	27	28	29	30	31	32	33	33	34	34
57	62	27	28	29	30	31	32	33	34	34	35	35
58	63	28	29	30	31	32	33	34	35	35	36	36
59	64	29	30	31	32	33	34	35	36	36	37	37
60	65	30	31	32	33	34	35	36	37	37	38	38
61	66	31	32	33	34	35	36	37	38	38	39	39
62	67	32	33	34	35	36	37	38	39	39	40	40
63	68	33	34	35	36	37	38	39	40	40	41	41
64	69	34	35	36	37	38	39	40	41	41	42	42
65	70	35	36	37	38	39	40	41	42	42	43	43
66	71	36	37	38	39	40	41	42	43	43	44	44
67	72	37	38	39	40	41	42	43	44	44	45	45
68	73	38	39	40	41	42	43	44	45	45	46	46
69	74	39	40	41	42	43	44	45	46	46	47	47
70	75	40	41	42	43	44	45	46	47	47	48	48
71	76	41	42	43	44	45	46	47	48	48	49	49
72	77	42	43	44	45	46	47	48	49	49	50	50
73	78	43	44	45	46	47	48	49	50	50	51	51
74	79	44	45	46	47	48	49	50	51	51	52	52
75	80	45	46	47	48	49	50	51	52	52	53	53
76	81	46	47	48	49	50	51	52	53	53	54	54
		47	48	49	50	51	52	53	54	54	55	55
		48	49	50	51	52	53	54	55	55	56	56
		49	50	51	52	53	54	55	56	56	57	57
		50	51	52	53	54	55	56	57	57	58	58
		51	52	53	54	55	56	57	58	58	59	59
		52	53	54	55	56	57	58	59	59	60	60
		53	54	55	56	57	58	59	60	60	61	61
		54	55	56	57	58	59	60	61	61	62	62
		55	56	57	58	59	60	61	62	62	63	63
		56	57	58	59	60	61	62	63	63	64	64
		57	58	59	60	61	62	63	64	64	65	65
		58	59	60	61	62	63	64	65	65	66	66
		59	60	61	62	63	64	65	66	66	67	67
		60	61	62	63	64	65	66	67	67	68	68
		61	62	63	64	65	66	67	68	68	69	69
		62	63	64	65	66	67	68	69	69	70	70
		63	64	65	66	67	68	69	70	70	71	71
		64	65	66	67	68	69	70	71	71	72	72
		65	66	67	68	69	70	71	72	72	73	73

Ages		Duration of guaranteed amount—[Years]																	
		27	28	29	30	31	32	33	34	35	27	28	29	30	31	32	33	34	35
77	Male																		
78	Female																		
79	Male																		
80	Female																		
81	Male																		
82	Female																		
83	Male																		
84	Female																		
85	Male																		

Ages		Duration of guaranteed amount—[Years]																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14				
86	Male																		
87	Female																		
88	Male																		
89	Female																		
90	Male																		
91	Female																		
92	Male																		
93	Female																		
94	Male																		
95	Female																		
96	Male																		
97	Female																		
98	Male																		
99	Female																		
100	Male																		
101	Female																		
102	Male																		
103	Female																		
104	Male																		
105	Female																		
106	Male																		
107	Female																		
108	Male																		

Ages		Duration of guaranteed amount—[Years]																			
		15	16	17	18	19	20	21	22	23	24	25									
Male	86	64	66	68	70	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	
	87	66	68	70	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88
	88	68	70	72	73	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
	89	70	72	73	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91
	90	72	73	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92
	91	73	75	76	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
	92	75	76	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
	93	76	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
	94	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97
	95	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98

TABLE IV—TEMPORARY LIFE ANNUITIES¹—ONE LIFE—EXPECTED RETURN MULTIPLES
 [See footnote at end of table]

Ages		Temporary period—maximum duration of annuity—[Years]									
		1	2	3	4	5	6	7	8	9	10
Male	0 to 8	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	9	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	10	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	11	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	12	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	13	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	14	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	15	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	16	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	17	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
Female	0 to 13	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	14	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	15	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	16	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	17	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	18	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	19	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	20	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	21	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	22	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
Male	23	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	24	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	25	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	26	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	27	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	28	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	29	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	30	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	31	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	32	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
Female	33	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	34	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
	35	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9

TABLE IV—TEMPORARY LIFE ANNUITIES¹—ONE LIFE—EXPECTED RETURN MULTIPLES—Continued
 [See footnote at end of table]

Ages	Temporary period—maximum duration of annuity—[Years]									
	1	2	3	4	5	6	7	8	9	10
	Male					Female				
31	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.9	9.9
32	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.9	9.9
33	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.9	9.9
34	1.0	2.0	3.0	4.0	5.0	5.9	6.9	7.9	8.9	9.8
35	1.0	2.0	3.0	4.0	5.0	5.9	6.9	7.9	8.9	9.8
36	1.0	2.0	3.0	4.0	5.0	5.9	6.9	7.9	8.9	9.8
37	1.0	2.0	3.0	4.0	5.0	5.9	6.9	7.9	8.8	9.8
38	1.0	2.0	3.0	4.0	5.0	5.9	6.9	7.9	8.8	9.8
39	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.9	8.8	9.8
40	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.8	9.7
41	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.8	9.7
42	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.8	9.7
43	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.8	9.7
44	1.0	2.0	3.0	4.0	4.9	5.9	6.8	7.8	8.7	9.7
45	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.8	8.7	9.6
46	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.8	8.7	9.6
47	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.7	8.7	9.6
48	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.7	8.6	9.5
49	1.0	2.0	3.0	3.9	4.9	5.8	6.8	7.7	8.6	9.5
50	1.0	2.0	3.0	3.9	4.9	5.8	6.8	7.7	8.6	9.5
51	1.0	2.0	3.0	3.9	4.9	5.8	6.7	7.7	8.6	9.4
52	1.0	2.0	3.0	3.9	4.9	5.8	6.7	7.6	8.5	9.4
53	1.0	2.0	2.9	3.9	4.9	5.8	6.7	7.6	8.5	9.3
54	1.0	2.0	2.9	3.9	4.8	5.8	6.7	7.6	8.4	9.3
55	1.0	2.0	2.9	3.9	4.8	5.8	6.7	7.5	8.4	9.2
56	1.0	2.0	2.9	3.9	4.8	5.7	6.6	7.5	8.4	9.2
57	1.0	2.0	2.9	3.9	4.8	5.7	6.6	7.5	8.3	9.1
58	1.0	2.0	2.9	3.9	4.8	5.7	6.6	7.4	8.3	9.1
59	1.0	2.0	2.9	3.9	4.8	5.7	6.5	7.4	8.2	9.0
60	1.0	2.0	2.9	3.8	4.8	5.6	6.5	7.3	8.1	8.9
61	1.0	2.0	2.9	3.8	4.7	5.6	6.5	7.3	8.1	8.8
62	1.0	2.0	2.9	3.8	4.7	5.6	6.4	7.2	8.0	8.8
63	1.0	2.0	2.9	3.8	4.7	5.6	6.4	7.2	8.0	8.8
64	1.0	1.9	2.9	3.8	4.7	5.5	6.3	7.1	7.9	8.6
65	1.0	1.9	2.9	3.8	4.6	5.5	6.3	7.1	7.8	8.5

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66	1.0	1.9	2.9	3.8	4.6	5.4	6.2	7.0	7.7	8.4
67	1.0	1.9	2.9	3.7	4.6	5.4	6.2	7.0	7.6	8.3
68	1.0	1.9	2.8	3.7	4.6	5.4	6.1	6.8	7.5	8.2
69	1.0	1.9	2.8	3.7	4.5	5.3	6.0	6.7	7.4	8.0
70	1.0	1.9	2.8	3.7	4.5	5.3	6.0	6.7	7.3	7.9
71	1.0	1.9	2.8	3.7	4.5	5.2	5.9	6.6	7.2	7.8
72	1.0	1.9	2.8	3.6	4.4	5.2	5.8	6.5	7.1	7.6
73	1.0	1.9	2.8	3.6	4.4	5.1	5.8	6.4	7.0	7.5
74	1.0	1.9	2.8	3.6	4.3	5.0	5.7	6.3	6.8	7.3
75	1.0	1.9	2.7	3.5	4.3	5.0	5.6	6.2	6.7	7.1
76	1.0	1.9	2.7	3.5	4.2	4.9	5.5	6.1	6.5	7.0
77	1.0	1.9	2.7	3.5	4.2	4.8	5.4	5.9	6.4	6.8
78	1.0	1.9	2.7	3.4	4.1	4.7	5.3	5.8	6.2	6.6
79	1.0	1.8	2.7	3.4	4.1	4.7	5.2	5.7	6.1	6.4
80	1.0	1.8	2.6	3.4	4.0	4.6	5.1	5.5	5.9	6.2
81	1.0	1.8	2.6	3.3	3.9	4.5	5.0	5.4	5.7	6.0
82	1.0	1.8	2.6	3.3	3.9	4.4	4.8	5.2	5.6	5.8
83	.9	1.8	2.6	3.2	3.8	4.3	4.7	5.1	5.4	5.6
84	.9	1.8	2.5	3.2	3.7	4.2	4.6	4.9	5.2	5.4
85	.9	1.8	2.5	3.1	3.6	4.1	4.5	4.8	5.0	5.2
86	.9	1.8	2.5	3.1	3.6	4.0	4.3	4.6	4.8	5.0

Ages	Temporary period—maximum duration of annuity—[Years]									
	11	12	13	14	15	16	17	18	19	20
0 to 8	10.9	11.9	12.9	13.9	14.9	15.8	16.8	17.8	18.8	19.7
9	10.9	11.9	12.9	13.9	14.9	15.8	16.8	17.8	18.8	19.7
10	10.9	11.9	12.9	13.9	14.9	15.8	16.8	17.8	18.8	19.7
11	10.9	11.9	12.9	13.9	14.9	15.8	16.8	17.8	18.8	19.7
12	10.9	11.9	12.9	13.9	14.9	15.8	16.8	17.8	18.8	19.7
13	10.9	11.9	12.9	13.9	14.9	15.8	16.8	17.8	18.8	19.7
14	10.9	11.9	12.9	13.9	14.9	15.8	16.8	17.8	18.8	19.7
15	10.9	11.9	12.9	13.9	14.9	15.8	16.8	17.8	18.7	19.7
16	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.8	18.7	19.7
17	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.8	18.7	19.7
18	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.8	18.7	19.7
19	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.7	18.7	19.7
20	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.7	18.7	19.7
21	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.8	18.7	19.7
22	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.8	18.7	19.7
23	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.8	18.7	19.7
24	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.7	18.7	19.7
25	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.7	18.7	19.7
26	10.9	11.9	12.9	13.8	14.8	15.8	16.8	17.7	18.7	19.6
27	10.9	11.9	12.9	13.8	14.8	15.8	16.7	17.7	18.7	19.6
28	10.9	11.9	12.9	13.8	14.8	15.8	16.7	17.7	18.7	19.6
29	10.9	11.9	12.9	13.8	14.8	15.8	16.7	17.7	18.6	19.6
30	10.9	11.9	12.8	13.8	14.8	15.7	16.7	17.7	18.6	19.6

Internal Revenue Service, Treasury

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64	69	9.3	9.9	10.5	11.1	11.6	12.1	12.5	13.0	13.3	13.7
65	70	9.1	9.8	10.3	10.9	11.4	11.9	12.3	12.7	13.0	13.3
66	71	9.0	9.6	10.2	10.7	11.2	11.6	12.0	12.4	12.7	13.0
67	72	8.9	9.5	10.0	10.5	10.9	11.3	11.7	12.0	12.3	12.6
68	73	8.7	9.3	9.8	10.3	10.7	11.1	11.4	11.7	12.0	12.2
69	74	8.6	9.1	9.6	10.0	10.4	10.8	11.1	11.4	11.6	11.8
70	75	8.4	8.9	9.4	9.8	10.2	10.5	10.8	11.0	11.2	11.4
71	76	8.3	8.7	9.2	9.6	9.9	10.2	10.4	10.7	10.9	11.0
72	77	8.1	8.6	8.9	9.3	9.6	9.9	10.1	10.3	10.5	10.6
73	78	7.9	8.3	8.7	9.0	9.3	9.6	9.8	9.9	10.1	10.2
74	79	7.7	8.1	8.5	8.8	9.0	9.2	9.4	9.6	9.7	9.8
75	80	7.6	7.9	8.2	8.5	8.7	8.9	9.1	9.2	9.3	9.4
76	81	7.4	7.7	8.0	8.2	8.4	8.6	8.7	8.8	8.9	9.0
77	82	7.1	7.5	7.7	7.9	8.1	8.3	8.4	8.5	8.5	8.6
78	83	6.9	7.2	7.4	7.6	7.8	7.9	8.0	8.1	8.2	8.2
79	84	6.7	7.0	7.2	7.3	7.5	7.6	7.7	7.7	7.8	7.8
80	85	6.5	6.7	6.9	7.1	7.2	7.3	7.3	7.4	7.4	7.4
81	86	6.3	6.5	6.6	6.8	6.9	6.9	7.0	7.0	7.1	7.1
82	87	6.0	6.2	6.4	6.5	6.5	6.6	6.7	6.7	6.7	6.7
83	88	5.8	6.0	6.1	6.2	6.2	6.3	6.3	6.3	6.3	6.3
84	89	5.6	5.7	5.8	5.9	5.9	6.0	6.0	6.0	6.0	6.0
85	90	5.3	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6
86	91	5.1	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3

Ages	Temporary period—maximum duration of annuity—[Years]											
	Male	Female	21	22	23	24	25	26	27	28	29	30
0 to 8			20.7	21.7	22.7	23.6	24.6	25.6	26.5	27.5	28.4	29.4
9			20.7	21.7	22.7	23.6	24.6	25.5	26.5	27.5	28.4	29.4
10			20.7	21.7	22.7	23.6	24.6	25.5	26.5	27.5	28.4	29.4
11			20.7	21.7	22.6	23.6	24.6	25.5	26.5	27.4	28.4	29.3
12			20.7	21.7	22.6	23.6	24.6	25.5	26.5	27.4	28.4	29.3
13			20.7	21.7	22.6	23.6	24.6	25.5	26.5	27.4	28.4	29.3
14			20.7	21.7	22.6	23.6	24.5	25.5	26.4	27.4	28.3	29.3
15			20.7	21.6	22.6	23.6	24.5	25.5	26.4	27.4	28.3	29.2
16			20.7	21.6	22.6	23.6	24.5	25.5	26.4	27.3	28.3	29.2
17			20.7	21.6	22.6	23.5	24.5	25.4	26.4	27.3	28.2	29.1
18			20.7	21.6	22.6	23.5	24.5	25.4	26.3	27.3	28.2	29.1
19			20.6	21.6	22.5	23.5	24.4	25.4	26.3	27.2	28.1	29.1
20			20.6	21.6	22.5	23.5	24.4	25.3	26.3	27.2	28.1	29.0
21			20.6	21.5	22.5	23.4	24.4	25.3	26.2	27.1	28.0	28.9
22			20.6	21.5	22.5	23.4	24.3	25.3	26.2	27.1	28.0	28.9

Ages	Ages		Temporary period—maximum duration of annuity—[Years]											
	Male	Female	21	22	23	24	25	26	27	28	29	30		
23	20.6	21.5	22.4	23.4	24.3	25.2	26.1	27.0	27.9	28.8		
24	20.5	21.4	22.4	23.3	24.2	25.1	26.0	26.9	27.8	28.7		
25	20.5	21.4	22.4	23.3	24.2	25.1	26.0	26.9	27.8	28.6		
26	20.5	21.4	22.3	23.2	24.1	25.0	25.9	26.8	27.7	28.5		
27	20.4	21.3	22.3	23.2	24.1	25.0	25.8	26.7	27.6	28.4		
28	20.4	21.3	22.2	23.1	24.0	24.9	25.8	26.6	27.5	28.3		
29	20.3	21.2	22.1	23.0	23.9	24.8	25.7	26.5	27.4	28.2		
30	20.3	21.2	22.1	23.0	23.8	24.7	25.6	26.4	27.2	28.1		
31	20.2	21.1	22.0	22.9	23.8	24.6	25.5	26.3	27.1	27.9		
32	20.2	21.1	21.9	22.8	23.7	24.5	25.4	26.2	27.0	27.8		
33	20.1	21.0	21.9	22.7	23.6	24.4	25.2	26.0	26.8	27.6		
34	20.0	20.9	21.8	22.6	23.5	24.3	25.1	25.9	26.7	27.4		
35	20.0	20.8	21.7	22.5	23.3	24.2	25.0	25.7	26.5	27.2		
36	19.9	20.7	21.6	22.4	23.2	24.0	24.8	25.6	26.3	27.0		
37	19.8	20.6	21.5	22.3	23.1	23.9	24.6	25.4	26.1	26.8		
38	19.7	20.5	21.4	22.2	23.0	23.7	24.5	25.2	25.9	26.6		
39	19.6	20.4	21.2	22.0	22.8	23.6	24.3	25.0	25.7	26.4		
40	19.5	20.3	21.1	21.9	22.6	23.4	24.1	24.8	25.5	26.1		
41	19.4	20.2	21.0	21.7	22.5	23.2	23.9	24.6	25.2	25.9		
42	19.3	20.1	20.8	21.6	22.3	23.0	23.7	24.3	25.0	25.6		
43	19.2	19.9	20.7	21.4	22.1	22.8	23.4	24.1	24.7	25.3		
44	19.0	19.8	20.5	21.2	21.9	22.6	23.2	23.8	24.4	25.0		
45	18.9	19.6	20.3	21.0	21.7	22.3	22.9	23.5	24.1	24.6		
46	18.7	19.4	20.1	20.8	21.5	22.1	22.7	23.2	23.8	24.3		
47	18.6	19.3	19.9	20.6	21.2	21.8	22.4	22.9	23.4	23.9		
48	18.4	19.1	19.7	20.4	21.0	21.5	22.1	22.6	23.1	23.5		
49	18.2	18.9	19.5	20.1	20.7	21.2	21.7	22.2	22.7	23.1		
50	18.0	18.7	19.3	19.8	20.4	20.9	21.4	21.9	22.3	22.7		
51	17.8	18.4	19.0	19.6	20.1	20.6	21.1	21.5	21.9	22.3		
52	17.6	18.2	18.7	19.3	19.8	20.2	20.7	21.1	21.5	21.8		
53	17.4	17.9	18.5	19.0	19.4	19.9	20.3	20.7	21.0	21.3		
54	17.1	17.7	18.2	18.7	19.1	19.5	19.9	20.2	20.6	20.8		
55	16.9	17.4	17.9	18.3	18.7	19.1	19.5	19.8	20.1	20.3		
56	16.6	17.1	17.5	18.0	18.4	18.7	19.0	19.3	19.6	19.8		
57	16.3	16.8	17.2	17.6	18.0	18.3	18.6	18.9	19.1	19.3		
58	16.0	16.5	16.9	17.2	17.6	17.9	18.1	18.4	18.6	18.8		
59	15.7	16.1	16.5	16.8	17.1	17.4	17.7	17.9	18.1	18.2		
60	15.4	15.8	16.1	16.4	16.7	17.0	17.2	17.4	17.5	17.7		

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61	15.1	15.4	15.7	16.0	16.3	16.5	16.7	16.9	17.0	17.1
62	14.7	15.0	15.3	15.6	15.8	16.0	16.2	16.3	16.4	16.5
63	14.4	14.6	14.9	15.1	15.3	15.5	15.7	15.8	15.9	16.0
64	14.0	14.3	14.5	14.7	14.9	15.0	15.2	15.3	15.3	15.4
65	13.6	13.8	14.1	14.2	14.4	14.5	14.6	14.7	14.8	14.9
66	13.2	13.4	13.6	13.8	13.9	14.0	14.1	14.2	14.2	14.3
67	12.8	13.0	13.2	13.3	13.4	13.5	13.6	13.7	13.7	13.7
68	12.4	12.6	12.7	12.8	12.9	13.0	13.1	13.1	13.2	13.2
69	12.0	12.1	12.3	12.4	12.4	12.5	12.6	12.6	12.6	12.6
70	11.6	11.7	11.8	11.9	12.0	12.0	12.0	12.1	12.1	12.1
71	11.2	11.3	11.3	11.4	11.5	11.5	11.5	11.6	11.6	11.6
72	10.7	10.8	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0
73	10.3	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5
74	9.9	9.9	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.1
75	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
76	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
77	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
78	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
79	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
81	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
82	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
83	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
84	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8

Footnote to Table IV:

¹ The multiples in this table are not applicable to annuities for a term certain; for such cases see paragraph (c) of § 1.72-5.

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TABLE V—ORDINARY LIFE ANNUITIES ONE LIFE—EXPECTED RETURN MULTIPLES

Age	Multiple
5	76.6
6	75.6
7	74.7
8	73.7
9	72.7
10	71.7
11	70.7
12	69.7
13	68.8
14	67.8
15	66.8
16	65.8
17	64.8
18	63.9
19	62.9
20	61.9
21	60.9
22	59.9
23	59.0
24	58.0
25	57.0
26	56.0
27	55.1
28	54.1
29	53.1
30	52.2
31	51.2
32	50.2
33	49.3
34	48.3
35	47.3
36	46.4
37	45.4
38	44.4
39	43.5
40	42.5
41	41.5
42	40.6
43	39.6
44	38.7
45	37.7
46	36.8
47	35.9
48	34.9
49	34.0
50	33.1
51	32.2
52	31.3
53	30.4
54	29.5
55	28.6
56	27.7
57	26.8
58	25.9
59	25.0
60	24.2
61	23.3

TABLE V—ORDINARY LIFE ANNUITIES ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

Age	Multiple
62	22.5
63	21.6
64	20.8
65	20.0
66	19.2
67	18.4
68	17.6
69	16.8
70	16.0
71	15.3
72	14.6
73	13.9
74	13.2
75	12.5
76	11.9
77	11.2
78	10.6
79	10.0
80	9.5
81	8.9
82	8.4
83	7.9
84	7.4
85	6.9
86	6.5
87	6.1
88	5.7
89	5.3
90	5.0
91	4.7
92	4.4
93	4.1
94	3.9
95	3.7
96	3.4
97	3.2
98	3.0
99	2.8
100	2.7
101	2.5
102	2.3
103	2.1
104	1.9
105	1.8
106	1.6
107	1.4
108	1.3
109	1.1
110	1.0
111	.9
112	.8
113	.7
114	.6
115	.5

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	5	6	7	8	9	10	11	12	13	14
5	83.8	83.3	82.8	82.4	82.0	81.6	81.2	80.9	80.6	80.3
6	83.3	82.8	82.3	81.8	81.4	81.0	80.6	80.3	79.9	79.6
7	82.8	82.3	81.8	81.3	80.9	80.4	80.0	79.6	79.3	78.9
8	82.4	81.8	81.3	80.8	80.3	79.9	79.4	79.0	78.6	78.3
9	82.0	81.4	80.9	80.3	79.8	79.3	78.9	78.4	78.0	77.6
10	81.6	81.0	80.4	79.9	79.3	78.8	78.3	77.9	77.4	77.0
11	81.2	80.6	80.0	79.4	78.9	78.3	77.8	77.3	76.9	76.4
12	80.9	80.3	79.6	79.0	78.4	77.9	77.3	76.8	76.3	75.9

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TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES—Continued

Ages	5	6	7	8	9	10	11	12	13	14
13	80.6	79.9	79.3	78.6	78.0	77.4	76.9	76.3	75.8	75.3
14	80.3	79.6	78.9	78.3	77.6	77.0	76.4	75.9	75.3	74.8
15	80.0	79.3	78.6	77.9	77.3	76.6	76.0	75.4	74.9	74.3
16	79.8	79.0	78.3	77.6	76.9	76.3	75.6	75.0	74.4	73.9
17	79.5	78.8	78.0	77.3	76.6	75.9	75.3	74.6	74.0	73.4
18	79.3	78.5	77.8	77.0	76.3	75.6	74.9	74.3	73.6	73.0
19	79.1	78.3	77.5	76.8	76.0	75.3	74.6	73.9	73.3	72.6
20	78.9	78.1	77.3	76.5	75.8	75.0	74.3	73.6	72.9	72.3
21	78.7	77.9	77.1	76.3	75.5	74.8	74.0	73.3	72.6	71.9
22	78.6	77.7	76.9	76.1	75.3	74.5	73.8	73.0	72.3	71.6
23	78.4	77.6	76.7	75.9	75.1	74.3	73.5	72.8	72.0	71.3
24	78.3	77.4	76.6	75.7	74.9	74.1	73.3	72.6	71.8	71.1
25	78.2	77.3	76.4	75.6	74.8	73.9	73.1	72.3	71.6	70.8
26	78.0	77.2	76.3	75.4	74.6	73.8	72.9	72.1	71.3	70.6
27	77.9	77.1	76.2	75.3	74.4	73.6	72.8	71.9	71.1	70.3
28	77.8	76.9	76.1	75.2	74.3	73.4	72.6	71.8	70.9	70.1
29	77.7	76.8	76.0	75.1	74.2	73.3	72.5	71.6	70.8	70.0
30	77.7	76.8	75.9	75.0	74.1	73.2	72.3	71.5	70.6	69.8
31	77.6	76.7	75.8	74.9	74.0	73.1	72.2	71.3	70.5	69.6
32	77.5	76.6	75.7	74.8	73.9	73.0	72.1	71.2	70.3	69.5
33	77.5	76.5	75.6	74.7	73.8	72.9	72.0	71.1	70.2	69.3
34	77.4	76.5	75.5	74.6	73.7	72.8	71.9	71.0	70.1	69.2
35	77.3	76.4	75.5	74.5	73.6	72.7	71.8	70.9	70.0	69.1
36	77.3	76.3	75.4	74.5	73.5	72.6	71.7	70.8	69.9	69.0
37	77.2	76.3	75.4	74.4	73.5	72.6	71.6	70.7	69.8	68.9
38	77.2	76.2	75.3	74.4	73.4	72.5	71.6	70.6	69.7	68.8
39	77.2	76.2	75.3	74.3	73.4	72.4	71.5	70.6	69.6	68.7
40	77.1	76.2	75.2	74.3	73.3	72.4	71.4	70.5	69.6	68.6
41	77.1	76.1	75.2	74.2	73.3	72.3	71.4	70.4	69.5	68.6
42	77.0	76.1	75.1	74.2	73.2	72.3	71.3	70.4	69.4	68.5
43	77.0	76.1	75.1	74.1	73.2	72.2	71.3	70.3	69.4	68.5
44	77.0	76.0	75.1	74.1	73.1	72.2	71.2	70.3	69.3	68.4
45	77.0	76.0	75.0	74.1	73.1	72.2	71.2	70.2	69.3	68.4
46	76.9	76.0	75.0	74.0	73.1	72.1	71.2	70.2	69.3	68.3
47	76.9	75.9	75.0	74.0	73.1	72.1	71.1	70.2	69.2	68.3
48	76.9	75.9	75.0	74.0	73.0	72.1	71.1	70.1	69.2	68.2
49	76.9	75.9	74.9	74.0	73.0	72.0	71.1	70.1	69.1	68.2
50	76.9	75.9	74.9	73.9	73.0	72.0	71.0	70.1	69.1	68.2
51	76.8	75.9	74.9	73.9	73.0	72.0	71.0	70.1	69.1	68.1
52	76.8	75.9	74.9	73.9	72.9	72.0	71.0	70.0	69.1	68.1
53	76.8	75.8	74.9	73.9	72.9	71.9	71.0	70.0	69.0	68.1
54	76.8	75.8	74.8	73.9	72.9	71.9	71.0	70.0	69.0	68.1
55	76.8	75.8	74.8	73.9	72.9	71.9	70.9	70.0	69.0	68.0
56	76.8	75.8	74.8	73.8	72.9	71.9	70.9	69.9	69.0	68.0
57	76.8	75.8	74.8	73.8	72.9	71.9	70.9	69.9	69.0	68.0
58	76.8	75.8	74.8	73.8	72.8	71.9	70.9	69.9	68.9	68.0
59	76.7	75.8	74.8	73.8	72.8	71.9	70.9	69.9	68.9	68.0
60	76.7	75.8	74.8	73.8	72.8	71.8	70.9	69.9	68.9	67.9
61	76.7	75.7	74.8	73.8	72.8	71.8	70.9	69.9	68.9	67.9
62	76.7	75.7	74.8	73.8	72.8	71.8	70.8	69.9	68.9	67.9
63	76.7	75.7	74.8	73.8	72.8	71.8	70.8	69.9	68.9	67.9
64	76.7	75.7	74.7	73.8	72.8	71.8	70.8	69.8	68.9	67.9
65	76.7	75.7	74.7	73.8	72.8	71.8	70.8	69.8	68.9	67.9
66	76.7	75.7	74.7	73.7	72.8	71.8	70.8	69.8	68.9	67.9
67	76.7	75.7	74.7	73.7	72.8	71.8	70.8	69.8	68.8	67.9
68	76.7	75.7	74.7	73.7	72.8	71.8	70.8	69.8	68.8	67.9
69	76.7	75.7	74.7	73.7	72.7	71.8	70.8	69.8	68.8	67.8
70	76.7	75.7	74.7	73.7	72.7	71.8	70.8	69.8	68.8	67.8
71	76.7	75.7	74.7	73.7	72.7	71.8	70.8	69.8	68.8	67.8
72	76.7	75.7	74.7	73.7	72.7	71.8	70.8	69.8	68.8	67.8
73	76.7	75.7	74.7	73.7	72.7	71.7	70.8	69.8	68.8	67.8
74	76.7	75.7	74.7	73.7	72.7	71.7	70.8	69.8	68.8	67.8
75	76.7	75.7	74.7	73.7	72.7	71.7	70.8	69.8	68.8	67.8
76	76.6	75.7	74.7	73.7	72.7	71.7	70.8	69.8	68.8	67.8
77	76.6	75.7	74.7	73.7	72.7	71.7	70.8	69.8	68.8	67.8
78	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8
79	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8
80	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8
81	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8
82	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8
83	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8

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TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES—Continued

Ages	5	6	7	8	9	10	11	12	13	14
84	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8
85	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8
86	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8
87	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8
88	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.8	68.8	67.8
89	76.6	75.7	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
90	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
91	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
92	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
93	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
94	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
95	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
96	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
97	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
98	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
99	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
100	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
101	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
102	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
103	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
104	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
105	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
106	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
107	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
108	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
109	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
110	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
111	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
112	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
113	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
114	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8
115	76.6	75.6	74.7	73.7	72.7	71.7	70.7	69.7	68.8	67.8

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	15	16	17	18	19	20	21	22	23	24
15	73.8	73.3	72.9	72.4	72.0	71.6	71.3	70.9	70.6	70.3
16	73.3	72.8	72.3	71.9	71.4	71.0	70.7	70.3	70.0	69.6
17	72.9	72.3	71.8	71.3	70.9	70.5	70.0	69.7	69.3	69.0
18	72.4	71.9	71.3	70.8	70.4	69.9	69.5	69.9	68.7	68.3
19	72.0	71.4	70.9	70.4	69.8	69.4	68.9	68.5	68.1	67.7
20	71.6	71.0	70.5	69.9	69.4	68.8	68.4	67.9	67.5	67.1
21	71.3	70.7	70.0	69.5	68.9	68.4	67.9	67.4	66.9	66.5
22	70.9	70.3	69.7	69.0	68.5	67.9	67.4	66.9	66.4	65.9
23	70.6	70.0	69.3	68.7	68.1	67.5	66.9	66.4	65.9	65.4
24	70.3	69.6	69.0	68.3	67.7	67.1	66.5	65.9	65.4	64.9
25	70.1	69.3	68.6	68.0	67.3	66.7	66.1	65.5	64.9	64.4
26	69.8	69.1	68.3	67.6	67.0	66.3	65.7	65.1	64.5	63.9
27	69.6	68.8	68.1	67.3	66.7	66.0	65.3	64.7	64.1	63.5
28	69.3	68.6	67.8	67.1	66.4	65.7	65.0	64.3	63.7	63.1
29	69.1	68.4	67.6	66.8	66.1	65.4	64.7	64.0	63.3	62.7
30	69.0	68.2	67.4	66.6	65.8	65.1	64.4	63.7	63.0	62.3
31	68.8	68.0	67.2	66.4	65.6	64.8	64.1	63.4	62.7	62.0
32	68.6	67.8	67.0	66.2	65.4	64.6	63.8	63.1	62.4	61.7
33	68.5	67.6	66.8	66.0	65.2	64.4	63.6	62.8	62.1	61.4
34	68.3	67.5	66.6	65.8	65.0	64.2	63.4	62.6	61.9	61.1
35	68.2	67.4	66.5	65.6	64.8	64.0	63.2	62.4	61.6	60.9
36	68.1	67.2	66.4	65.5	64.7	63.8	63.0	62.2	61.4	60.6
37	68.0	67.1	66.2	65.4	64.5	63.7	62.8	62.0	61.2	60.4
38	67.9	67.0	66.1	65.2	64.4	63.5	62.7	61.8	61.0	60.2
39	67.8	66.9	66.0	65.1	64.2	63.4	62.5	61.7	60.8	60.0
40	67.7	66.8	65.9	65.0	64.1	63.3	62.4	61.5	60.7	59.9
41	67.7	66.7	65.8	64.9	64.0	63.1	62.3	61.4	60.5	59.7
42	67.6	66.7	65.7	64.8	63.9	63.0	62.2	61.3	60.4	59.6
43	67.5	66.6	65.7	64.8	63.8	62.9	62.1	61.2	60.3	59.4
44	67.5	66.5	65.6	64.7	63.8	62.9	62.0	61.1	60.2	59.3
45	67.4	66.5	65.5	64.6	63.7	62.8	61.9	61.0	60.1	59.2
46	67.4	66.4	65.4	64.6	63.6	62.7	61.8	60.9	60.0	59.1

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TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES—Continued

Ages	15	16	17	18	19	20	21	22	23	24
47	67.3	66.4	65.4	64.5	63.6	62.6	61.7	60.8	59.9	59.0
48	67.3	66.3	65.4	64.4	63.5	62.6	61.6	60.7	59.8	58.9
49	67.2	66.3	65.3	64.4	63.5	62.5	61.6	60.7	59.7	58.8
50	67.2	66.2	65.3	64.3	63.4	62.5	61.5	60.6	59.7	58.8
51	67.2	66.2	65.3	64.3	63.4	62.4	61.5	60.5	59.6	58.7
52	67.1	66.2	65.2	64.3	63.3	62.4	61.4	60.5	59.6	58.6
53	67.1	66.2	65.2	64.2	63.3	62.3	61.4	60.4	59.5	58.6
54	67.1	66.1	65.2	64.2	63.2	62.3	61.3	60.4	59.5	58.5
55	67.1	66.1	65.1	64.2	63.2	62.3	61.3	60.4	59.4	58.5
56	67.0	66.1	65.1	64.1	63.2	62.2	61.3	60.3	59.4	58.4
57	67.0	66.1	65.1	64.1	63.2	62.2	61.2	60.3	59.3	58.4
58	67.0	66.0	65.1	64.1	63.1	62.2	61.2	60.3	59.3	58.4
59	67.0	66.0	65.0	64.1	63.1	62.1	61.2	60.2	59.3	58.3
60	67.0	66.0	65.0	64.1	63.1	62.1	61.2	60.2	59.2	58.3
61	67.0	66.0	65.0	64.0	63.1	62.1	61.1	60.2	59.2	58.3
62	66.9	66.0	65.0	64.0	63.1	62.1	61.1	60.2	59.2	58.2
63	66.9	66.0	65.0	64.0	63.0	62.1	61.1	60.1	59.2	58.2
64	66.9	65.9	65.0	64.0	63.0	62.1	61.1	60.1	59.2	58.2
65	66.9	65.9	65.0	64.0	63.0	62.0	61.1	60.1	59.1	58.2
66	66.9	65.9	64.9	64.0	63.0	62.0	61.1	60.1	59.1	58.2
67	66.9	65.9	64.9	64.0	63.0	62.0	61.1	60.1	59.1	58.1
68	66.9	65.9	64.9	64.0	63.0	62.0	61.0	60.1	59.1	58.1
69	66.9	65.9	64.9	63.9	63.0	62.0	61.0	60.0	59.1	58.1
70	66.9	65.9	64.9	63.9	63.0	62.0	61.0	60.0	59.1	58.1
71	66.9	65.9	64.9	63.9	62.9	62.0	61.0	60.0	59.1	58.1
72	66.9	65.9	64.9	63.9	62.9	62.0	61.0	60.0	59.0	58.1
73	66.8	65.9	64.9	63.9	62.9	62.0	61.0	60.0	59.0	58.1
74	66.8	65.9	64.9	63.9	62.9	62.0	61.0	60.0	59.0	58.1
75	66.8	65.9	64.9	63.9	62.9	61.9	61.0	60.0	59.0	58.1
76	66.8	65.9	64.9	63.9	62.9	61.9	61.0	60.0	59.0	58.0
76	66.8	65.9	64.9	63.9	62.9	61.9	61.0	60.0	59.0	58.0
77	66.8	65.9	64.9	63.9	62.9	61.9	61.0	60.0	59.0	58.0
78	66.8	65.8	64.9	63.9	62.9	61.9	61.0	60.0	59.0	58.0
79	66.8	65.8	64.9	63.9	62.9	61.9	61.0	60.0	59.0	58.0
80	66.8	65.9	64.9	63.9	62.9	61.9	60.9	60.0	59.0	58.0
81	66.8	65.8	64.9	63.9	62.9	61.9	60.9	60.0	59.0	58.0
82	66.8	65.8	64.9	63.9	62.9	61.9	60.9	60.0	59.0	58.0
83	66.8	65.8	64.9	63.9	62.9	61.9	60.9	60.0	59.0	58.0
84	66.8	65.8	64.8	63.9	62.9	61.9	60.9	60.0	59.0	58.0
85	66.8	65.8	64.8	63.9	62.9	61.9	60.9	60.0	59.0	58.0
86	66.8	65.8	64.8	63.9	62.9	61.9	60.9	60.0	59.0	58.0
87	66.8	65.8	64.8	63.9	62.9	61.9	60.9	60.0	59.0	58.0
88	66.8	65.8	64.8	63.9	62.9	61.9	60.9	60.0	59.0	58.0
89	66.8	65.8	64.8	63.9	62.9	61.9	60.9	60.0	59.0	58.0
90	66.8	65.8	64.8	63.9	62.9	61.9	60.9	60.0	59.0	58.0
91	66.8	65.8	64.8	63.9	62.9	61.9	60.9	60.0	59.0	58.0
92	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
93	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
94	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
95	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
96	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
97	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
98	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
99	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
100	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
101	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
102	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
103	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
104	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
105	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
106	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
107	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
108	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
109	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
110	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
111	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
112	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
113	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
114	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0
115	66.8	65.8	64.8	63.9	62.9	61.9	60.9	59.9	59.0	58.0

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	25	26	27	28	29	30	31	32	33	34
25	63.9	63.4	62.9	62.5	62.1	61.7	61.3	61.0	60.7	60.4
26	63.4	62.9	62.4	61.9	61.5	61.1	60.7	60.4	60.0	59.7
27	62.9	62.4	61.9	61.4	60.9	60.5	60.1	59.7	59.4	59.0
28	62.5	61.9	61.4	60.9	60.4	60.0	59.5	59.1	58.7	58.4
29	62.1	61.5	60.9	60.4	59.9	59.4	59.0	58.5	58.1	57.7
30	61.7	61.1	60.5	60.0	59.4	58.9	58.4	58.0	57.5	57.1
31	61.3	60.7	60.1	59.5	59.0	58.4	57.9	57.4	57.0	56.5
32	61.0	60.4	59.7	59.1	58.5	58.0	57.4	56.9	56.4	56.0
33	60.7	60.0	59.4	58.7	58.1	57.5	57.0	56.4	55.9	55.5
34	60.4	59.7	59.0	58.4	57.7	57.1	56.5	56.0	55.5	54.9
35	60.1	59.4	58.7	58.0	57.4	56.7	56.1	55.6	55.0	54.5
36	59.9	59.1	58.4	57.7	57.0	56.4	55.8	55.1	54.6	54.0
37	59.6	58.9	58.1	57.4	56.7	56.0	55.4	54.8	54.2	53.6
38	59.4	58.6	57.9	57.2	56.5	55.8	55.1	54.4	53.8	53.2
39	59.2	58.4	57.7	56.9	56.2	55.4	54.7	54.1	53.4	52.8
40	59.0	58.2	57.4	56.7	55.9	55.2	54.5	53.8	53.1	52.4
41	58.9	58.0	57.2	56.4	55.7	54.9	54.2	53.5	52.8	52.1
42	58.7	57.9	57.1	56.2	55.5	54.7	53.9	53.2	52.5	51.8
43	58.6	57.7	56.9	56.1	55.3	54.5	53.7	52.9	52.2	51.5
44	58.4	57.6	56.7	55.9	55.1	54.3	53.5	52.7	52.0	51.2
45	58.3	57.4	56.6	55.7	54.9	54.1	53.3	52.5	51.7	51.0
46	58.2	57.3	56.5	55.6	54.8	53.9	53.1	52.3	51.5	50.7
47	58.1	57.2	56.3	55.5	54.6	53.8	52.9	52.1	51.3	50.5
48	58.0	57.1	56.2	55.3	54.5	53.6	52.8	51.9	51.1	50.3
49	57.9	57.0	56.1	55.2	54.4	53.5	52.6	51.8	51.0	50.1
50	57.8	56.9	56.0	55.1	54.2	53.4	52.5	51.7	50.8	50.0
51	57.8	56.9	55.9	55.0	54.1	53.3	52.4	51.5	50.7	49.8
52	57.7	56.8	55.9	55.0	54.1	53.2	52.3	51.4	50.5	49.7
53	57.6	56.7	55.8	54.9	54.0	53.1	52.2	51.3	50.4	49.6
54	57.6	56.7	55.7	54.8	53.9	53.0	52.1	51.2	50.3	49.4
55	57.5	56.6	55.7	54.7	53.8	52.9	52.0	51.1	40.2	49.3
56	57.5	56.5	55.6	54.7	53.8	52.8	51.9	51.0	50.1	49.2
57	57.4	56.5	55.6	54.6	53.7	52.8	51.9	50.9	50.0	49.1
58	57.4	56.5	55.5	54.6	53.6	52.7	51.8	50.9	50.0	49.1
59	57.4	56.4	55.5	54.5	53.6	52.7	51.7	50.8	49.9	49.0
60	57.3	56.4	55.4	54.5	53.6	52.6	51.7	50.8	49.8	48.9
61	57.3	56.4	55.4	54.5	53.5	52.6	51.6	50.7	49.8	48.9
62	57.3	56.3	55.4	54.4	53.5	52.5	51.6	50.7	49.7	48.8
63	57.3	56.3	55.3	54.4	53.4	52.5	51.6	50.6	49.7	48.7
64	57.2	56.3	55.3	54.4	53.4	52.5	51.5	50.6	49.6	48.7
65	57.2	56.3	55.3	54.3	53.4	52.4	51.5	50.5	49.6	48.7
66	57.2	56.2	55.3	54.3	53.4	52.4	51.5	50.5	49.6	48.6
67	57.2	56.2	55.3	54.3	53.3	52.4	51.4	50.5	49.5	48.6
68	57.2	56.2	55.2	54.3	53.3	52.4	51.4	50.4	49.5	48.6
69	57.1	56.2	55.2	54.3	53.3	52.3	51.4	50.4	49.5	48.5
70	57.1	56.2	55.2	54.2	53.3	52.3	51.4	50.4	49.4	48.5
71	57.1	56.2	55.2	54.2	53.3	52.3	51.3	50.4	49.4	48.5
72	57.1	56.1	55.2	54.2	53.2	52.3	51.3	50.4	49.4	48.5
73	57.1	56.1	55.2	54.2	53.2	52.3	51.3	50.3	49.4	48.4
74	57.1	56.1	55.2	54.2	53.2	52.3	51.3	50.3	49.4	48.4
75	57.1	56.1	55.1	54.2	53.2	52.2	51.3	50.3	49.4	48.4
76	57.1	56.1	55.1	54.2	53.2	52.2	51.3	50.3	49.3	48.4
77	57.1	56.1	55.1	54.2	53.2	52.2	51.3	50.3	49.3	48.4
78	57.1	56.1	55.1	54.2	53.2	52.2	51.3	50.3	49.3	48.4
79	57.1	56.1	55.1	54.1	53.2	52.2	51.2	50.3	49.3	48.4
80	57.1	56.1	55.1	54.1	53.2	52.2	51.2	50.3	49.3	48.3
81	57.0	56.1	55.1	54.1	53.2	52.2	51.2	50.3	49.3	48.3
82	57.0	56.1	55.1	54.1	53.2	52.2	51.2	50.3	49.3	48.3
83	57.0	56.1	55.1	54.1	53.2	52.2	51.2	50.3	49.3	48.3
84	57.0	56.1	55.1	54.1	53.2	52.2	51.2	50.3	49.3	48.3
85	57.0	56.1	55.1	54.1	53.2	52.2	51.2	50.2	49.3	48.3
86	57.0	56.1	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
87	57.0	56.1	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
88	57.0	56.1	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
89	57.0	56.1	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
90	57.0	56.1	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
91	57.0	56.1	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
92	57.0	56.1	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
93	57.0	56.1	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
94	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
95	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3

Internal Revenue Service, Treasury

§ 1.72-9

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES—Continued

Ages	25	26	27	28	29	30	31	32	33	34
96	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
97	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
98	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
99	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
100	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
101	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
102	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
103	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
104	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
105	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
106	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
107	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
108	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
109	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
110	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
111	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
112	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
113	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
114	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3
115	57.0	56.0	55.1	54.1	53.1	52.2	51.2	50.2	49.3	48.3

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	35	36	37	38	39	40	41	42	43	44
35	54.0	53.5	53.0	52.6	52.2	51.8	51.4	51.1	50.8	50.5
36	53.5	53.0	52.5	52.0	51.6	51.2	50.8	50.4	50.1	49.8
37	53.0	52.5	52.0	51.5	51.0	50.6	50.2	49.8	49.5	49.1
38	52.6	52.0	51.5	51.0	50.5	50.0	49.6	49.2	48.8	48.5
39	52.2	51.6	51.0	50.5	50.0	49.5	49.1	48.6	48.2	47.8
40	51.8	51.2	50.6	50.0	49.5	49.0	48.5	48.1	47.6	47.2
41	51.4	50.8	50.2	49.6	49.1	48.5	48.0	47.5	47.1	46.7
42	51.1	50.4	49.8	49.2	48.6	48.1	47.5	47.0	46.6	46.1
43	50.8	50.1	49.5	48.8	48.2	47.6	47.1	46.6	46.0	45.6
44	50.5	49.8	49.1	48.5	47.8	47.2	46.7	46.1	45.6	45.1
45	50.2	49.5	48.8	48.1	47.5	46.9	46.3	45.7	45.1	44.6
46	50.0	49.2	48.5	47.8	47.2	46.5	45.9	45.3	44.7	44.1
47	49.7	49.0	48.3	47.5	46.8	46.2	45.5	44.9	44.3	43.7
48	49.5	48.8	48.0	47.3	46.6	45.9	45.2	44.5	43.9	43.3
49	49.3	48.5	47.8	47.0	46.3	45.6	44.9	44.2	43.6	42.9
50	49.2	48.4	47.6	46.8	46.0	45.3	44.6	43.9	43.2	42.6
51	49.0	48.2	47.4	46.6	45.8	45.1	44.3	43.6	42.9	42.2
52	48.8	48.0	47.2	46.4	45.6	44.8	44.1	43.3	42.6	41.9
53	48.7	47.9	47.0	46.2	45.4	44.6	43.9	43.1	42.4	41.7
54	48.6	47.7	46.9	46.0	45.2	44.4	43.6	42.9	42.1	41.4
55	48.5	47.6	46.7	45.9	45.1	44.2	43.4	42.7	41.9	41.2
56	48.3	47.5	46.6	45.8	44.9	44.1	43.3	42.5	41.7	40.9
57	48.3	47.4	46.5	45.6	44.8	43.9	43.1	42.3	41.5	40.7
58	48.2	47.3	46.4	45.5	44.7	43.8	43.0	42.1	41.3	40.5
59	48.1	47.2	46.3	45.4	44.5	43.7	42.8	42.0	41.2	40.4
60	48.0	47.1	46.2	45.3	44.4	43.6	42.7	41.9	41.0	40.2
61	47.9	47.0	46.1	45.2	44.3	43.5	42.6	41.7	40.9	40.0
62	47.9	47.0	46.0	45.1	44.2	43.4	42.5	41.6	40.8	39.9
63	47.8	46.9	46.0	45.1	44.2	43.3	42.4	41.5	40.6	39.8
64	47.8	46.8	45.9	45.0	44.1	43.2	42.3	41.4	40.5	39.7
65	47.7	46.8	45.9	44.9	44.0	43.1	42.2	41.3	40.4	39.6
66	47.7	46.7	45.8	44.9	44.0	43.1	42.2	41.3	40.4	39.5
67	47.6	46.7	45.8	44.8	43.9	43.0	42.1	41.2	40.3	39.4
68	47.6	46.7	45.7	44.8	43.9	42.9	42.0	41.1	40.2	39.3
69	47.6	46.6	45.7	44.8	43.8	42.9	42.0	41.1	40.2	39.3
70	47.5	46.6	45.7	44.7	43.8	42.9	41.9	41.0	40.1	39.2
71	47.5	46.6	45.6	44.7	43.8	42.8	41.9	41.0	40.1	39.1
72	47.5	46.6	45.6	44.7	43.7	42.8	41.9	40.9	40.0	39.1
73	47.5	46.5	45.6	44.6	43.7	42.8	41.8	40.9	40.0	39.0
74	47.5	46.5	45.6	44.6	43.7	42.7	41.8	40.9	39.9	39.0
75	47.4	46.5	45.5	44.6	43.6	42.7	41.8	40.8	39.9	39.0
76	47.4	46.5	45.5	44.6	43.6	42.7	41.7	40.8	39.9	38.9
77	47.4	46.5	45.5	44.6	43.6	42.7	41.7	40.8	39.8	38.9
78	47.4	46.4	45.5	44.5	43.6	42.6	41.7	40.7	39.8	38.9

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES—Continued

Ages	35	36	37	38	39	40	41	42	43	44
79	47.4	46.4	45.5	44.5	43.6	42.6	41.7	40.7	39.8	38.9
80	47.4	46.4	45.5	44.5	43.6	42.6	41.7	40.7	39.8	38.8
81	47.4	46.4	45.5	44.5	43.5	42.6	41.6	40.7	39.8	38.8
82	47.4	46.4	45.4	44.5	43.5	42.6	41.6	40.7	39.7	38.8
83	47.4	46.4	45.4	44.5	43.5	42.6	41.6	40.7	39.7	38.8
84	47.4	46.4	45.4	44.5	43.5	42.6	41.6	40.7	39.7	38.8
85	47.4	46.4	45.4	44.5	43.5	42.6	41.6	40.7	39.7	38.8
86	47.3	46.4	45.4	44.5	43.5	42.5	41.6	40.6	39.7	38.8
87	47.3	46.4	45.4	44.5	43.5	42.5	41.6	40.6	39.7	38.7
88	47.3	46.4	45.4	44.5	43.5	42.5	41.6	40.6	39.7	38.7
89	47.3	46.4	45.4	44.4	43.5	42.5	41.6	40.6	39.7	38.7
90	47.3	46.4	45.4	44.4	43.5	42.5	41.6	40.6	39.7	38.7
91	47.3	46.4	45.4	44.4	43.5	42.5	41.6	40.6	39.7	38.7
92	47.3	46.4	45.4	44.4	44.4	43.5	42.5	41.6	40.6	38.7
93	47.3	46.4	45.4	43.5	42.5	41.6	40.6	39.7	39.7	38.7
94	47.3	46.4	45.4	44.4	43.5	42.5	41.6	40.6	39.7	38.7
95	47.3	46.4	45.4	44.4	43.5	42.5	41.6	40.6	39.7	38.7
96	47.3	46.4	45.4	44.4	43.5	42.5	41.6	40.6	39.7	38.7
97	47.3	46.4	45.4	44.4	43.5	42.5	41.6	40.6	39.6	38.7
98	47.3	46.4	45.4	44.4	43.5	42.5	41.6	40.6	39.6	38.7
99	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
100	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
101	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
102	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
103	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
104	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
105	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
106	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
107	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
108	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
109	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
110	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
111	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
112	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
113	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
114	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
114	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7
115	47.3	46.4	45.4	44.4	43.5	42.5	41.5	40.6	39.6	38.7

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	45	46	47	48	49	50	51	52	53	54
45	44.1	43.6	43.2	42.7	42.3	42.0	41.6	41.3	41.0	40.7
46	43.6	43.1	42.6	42.2	41.8	41.4	41.0	40.6	40.3	40.0
47	43.2	42.6	42.1	41.7	41.2	40.8	40.4	40.0	39.7	39.3
48	42.7	42.2	41.7	41.2	40.7	40.2	39.8	39.4	39.0	38.7
49	42.3	41.8	41.2	40.7	40.2	39.7	39.3	38.8	38.4	38.1
50	42.0	41.4	40.8	40.2	39.7	39.2	38.7	38.3	37.9	37.5
51	41.6	41.0	40.4	39.8	39.3	38.7	38.2	37.8	37.3	36.9
52	41.3	40.6	40.0	39.4	38.8	38.3	37.8	37.3	36.8	36.4
53	41.0	40.3	39.7	39.0	38.4	37.9	37.3	36.8	36.3	35.8
54	40.7	40.0	39.3	38.7	38.1	37.5	36.9	36.4	35.8	35.3
55	40.4	39.7	39.0	38.4	37.7	37.1	36.5	35.9	35.4	34.9
56	40.2	39.5	38.7	38.1	37.4	36.8	36.1	35.6	35.0	34.4
57	40.0	39.2	38.5	37.8	37.1	36.4	35.8	35.2	34.6	34.0
58	39.7	39.0	38.2	37.5	36.8	36.1	35.5	34.8	34.2	33.6
59	39.6	38.8	38.0	37.3	36.6	35.9	35.2	34.5	33.9	33.3
60	39.4	38.6	37.8	37.1	36.3	35.6	34.9	34.2	33.6	32.9
61	39.2	38.4	37.6	36.9	36.1	35.4	34.6	33.9	33.3	32.6
62	39.1	38.3	37.5	36.7	35.9	35.1	34.4	33.7	33.0	32.3
63	38.9	38.1	37.3	36.5	35.7	34.9	34.2	33.5	32.7	32.0
64	38.8	38.0	37.2	36.3	35.5	34.8	34.0	33.2	32.5	31.8
65	38.7	37.9	37.0	36.2	35.4	34.6	33.8	33.0	32.3	31.6
66	38.6	37.8	36.9	36.1	35.2	34.4	33.6	32.9	32.1	31.4
67	38.5	37.7	36.8	36.0	35.1	34.3	33.5	32.7	31.9	31.2
68	38.4	37.6	36.7	35.8	35.0	34.2	33.4	32.5	31.8	31.0
69	38.4	37.5	36.6	35.7	34.9	34.1	33.2	32.4	31.6	30.8
70	38.3	37.4	36.5	35.7	34.8	34.0	33.1	32.3	31.5	30.7

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TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES—Continued

Ages	45	46	47	48	49	50	51	52	53	54
71	38.2	37.3	36.5	35.6	34.7	33.9	33.0	32.2	31.4	30.5
72	38.2	37.3	36.4	35.5	34.6	33.8	32.9	32.1	31.2	30.4
73	38.1	37.2	36.3	35.4	34.6	33.7	32.8	32.0	31.1	30.3
74	38.1	37.2	36.3	35.4	34.5	33.6	32.8	31.9	31.1	30.2
75	38.1	37.1	36.2	35.3	34.5	33.6	32.7	31.8	31.0	30.1
76	38.0	37.1	36.2	35.3	34.4	33.5	32.6	31.8	30.9	30.1
77	38.0	37.1	36.2	35.3	34.4	33.5	32.6	31.7	30.8	30.0
78	38.0	37.0	36.1	35.2	34.3	33.4	32.5	31.7	30.8	29.9
79	37.9	37.0	36.1	35.2	34.3	33.4	32.5	31.6	30.7	29.9
80	37.9	37.0	36.1	35.2	34.2	33.4	32.5	31.6	30.7	29.8
81	37.9	37.0	36.0	35.1	34.2	33.3	32.4	31.5	30.7	29.8
82	37.9	36.9	36.0	35.1	34.2	33.3	32.4	31.5	30.6	29.7
83	37.9	36.9	36.0	35.1	34.2	33.3	32.4	31.5	30.6	29.7
84	37.8	36.9	36.0	35.0	34.2	33.2	32.3	31.4	30.6	29.7
85	37.8	36.9	36.0	35.1	34.1	33.2	32.3	31.4	30.5	29.6
86	38.8	36.9	36.0	35.0	34.1	33.2	32.3	31.4	30.5	29.6
87	37.8	36.9	35.9	35.0	34.1	33.2	32.3	31.4	30.5	29.6
88	37.8	36.9	35.9	35.0	34.1	33.2	32.3	31.4	30.5	29.6
89	37.8	36.9	35.9	35.0	34.1	33.2	32.3	31.4	30.5	29.6
90	37.8	36.9	35.9	35.0	34.1	33.2	32.3	31.3	30.5	29.6
91	37.8	36.8	35.9	35.0	34.1	33.2	32.2	31.3	30.4	29.5
92	37.8	36.8	35.9	35.0	34.1	33.2	32.2	31.3	30.4	29.5
93	37.8	36.8	35.9	35.0	34.1	33.1	32.2	31.3	30.4	29.5
94	37.8	36.8	35.9	35.0	34.1	33.1	32.2	31.3	30.4	29.5
95	37.8	36.8	35.9	35.0	34.0	33.1	32.2	31.3	30.4	29.5
96	37.8	36.8	35.9	35.0	34.0	33.1	32.2	31.3	30.4	29.5
97	37.8	36.8	35.9	35.0	34.0	33.1	32.2	31.3	30.4	29.5
98	37.8	36.8	35.9	35.0	34.0	33.1	32.2	31.3	30.4	29.5
99	37.8	36.8	35.9	35.0	34.0	33.1	32.2	31.3	30.4	29.5
101	37.8	36.8	35.9	35.0	34.0	33.1	32.2	31.3	30.4	29.5
102	37.8	36.8	35.9	35.0	34.0	33.1	32.2	31.3	30.4	29.5
103	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
104	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
105	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
106	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
107	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
108	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
109	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
110	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
111	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
112	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
113	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
114	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5
115	37.7	36.8	35.9	34.9	34.0	33.1	32.2	31.3	30.4	29.5

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	55	56	57	58	59	60	61	62	63	64
55	34.4	33.9	33.5	33.1	32.7	32.3	32.0	31.7	31.4	31.1
56	33.9	33.4	33.0	32.5	32.1	31.7	31.4	31.0	30.7	30.4
57	33.5	33.0	32.5	32.0	31.6	31.2	30.8	30.4	30.1	29.8
58	33.1	32.5	32.0	31.5	31.1	30.6	30.2	29.9	29.5	29.2
59	32.7	32.1	31.6	31.1	30.6	30.1	29.7	29.3	28.9	28.6
60	32.3	31.7	31.2	30.6	30.1	29.7	29.2	28.8	28.4	28.0
61	32.0	31.4	30.8	30.2	29.7	29.2	28.7	28.3	27.8	27.4
62	31.7	31.0	30.4	29.9	29.3	28.8	28.3	27.8	27.3	26.9
63	31.4	30.7	30.1	29.5	28.9	28.4	27.8	27.3	26.9	26.4
64	31.1	30.4	29.8	29.2	28.6	28.0	27.4	26.9	26.4	25.9
65	30.9	30.2	29.5	28.9	28.2	27.6	27.1	26.5	26.0	25.5
66	30.6	29.9	29.2	28.6	27.9	27.3	26.7	26.1	25.6	25.1
67	30.4	29.7	29.0	28.3	27.6	27.0	26.4	25.8	25.2	24.7
68	30.2	29.5	28.8	28.1	27.4	26.7	26.1	25.5	24.9	24.3
69	30.1	29.3	28.6	27.8	27.1	26.5	25.8	25.2	24.6	24.0
70	29.9	29.1	28.4	27.6	26.9	26.2	25.6	24.9	24.3	23.7
71	29.7	29.0	28.2	27.5	26.7	26.0	25.3	24.7	24.0	23.4
72	29.6	28.8	28.1	27.3	26.5	25.8	25.1	24.4	23.8	23.1
73	29.5	28.7	27.9	27.1	26.4	25.6	24.9	24.2	23.5	22.9
74	29.4	28.6	27.8	27.0	26.2	25.5	24.7	24.0	23.3	22.7

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES—Continued

Ages	55	56	57	58	59	60	61	62	63	64
75	29.3	28.5	27.7	26.9	26.1	25.3	24.6	23.8	23.1	22.4
76	29.2	28.4	27.6	26.8	26.0	25.2	24.4	23.7	23.0	22.3
77	29.1	28.3	27.5	26.7	25.9	25.1	24.3	23.6	22.8	22.1
78	29.1	28.2	27.4	26.6	25.8	25.0	24.2	23.4	22.7	21.9
79	29.0	28.2	27.3	26.5	25.7	24.9	24.1	23.3	22.6	21.8
80	29.0	28.1	27.3	26.4	25.6	24.8	24.0	23.2	22.4	21.7
81	28.9	28.1	27.2	26.4	25.5	24.7	23.9	23.1	22.3	21.6
82	28.9	28.0	27.2	26.3	25.5	24.6	23.8	23.0	22.3	21.5
83	28.8	28.0	27.1	26.3	25.4	24.6	23.8	23.0	22.2	21.4
84	28.8	27.9	27.1	26.2	25.4	24.5	23.7	22.9	22.1	21.3
85	28.8	27.9	27.0	26.2	25.3	24.5	23.7	22.8	22.0	21.3
86	28.7	27.9	27.0	26.1	25.3	24.5	23.6	22.8	22.0	21.2
87	28.7	27.8	27.0	26.1	25.3	24.4	23.6	22.8	21.9	21.1
88	28.7	27.8	27.0	26.1	25.2	24.4	23.5	22.7	21.9	21.1
89	28.7	27.8	26.9	26.1	25.2	24.4	23.5	22.7	21.9	21.1
90	28.7	27.8	26.9	26.1	25.2	24.3	23.5	22.7	21.8	21.0
91	28.7	27.8	26.9	26.0	25.2	24.3	23.5	22.6	21.8	21.0
92	28.6	27.8	26.9	26.0	25.2	24.3	23.5	22.6	21.8	21.0
93	28.6	27.8	26.9	26.0	25.1	24.3	23.4	22.6	21.8	20.9
94	28.6	27.7	26.9	26.0	25.1	24.3	23.4	22.6	21.7	20.9
95	28.6	27.7	26.9	26.0	25.1	24.3	23.4	22.6	21.7	20.9
96	28.6	27.7	26.9	26.0	25.1	24.2	23.4	22.6	21.7	20.9
97	28.6	27.7	26.8	26.0	25.1	24.2	23.4	22.5	21.7	20.9
98	28.6	27.7	26.8	26.0	25.1	24.2	23.4	22.5	21.7	20.9
99	28.6	27.7	26.8	26.0	25.1	24.2	23.4	22.5	21.7	20.9
100	28.6	27.7	26.8	26.0	25.1	24.2	23.4	22.5	21.7	20.8
101	28.6	27.7	26.8	25.9	25.1	24.2	23.4	22.5	21.7	20.8
102	28.6	27.7	26.8	25.9	25.1	24.2	23.3	22.5	21.7	20.8
103	28.6	27.7	26.8	25.9	25.1	24.2	23.3	22.5	21.7	20.8
104	28.6	27.7	26.8	25.9	25.1	24.2	23.3	22.5	21.6	20.8
105	28.6	27.7	26.8	25.9	25.1	24.2	23.3	22.5	21.6	20.8
106	28.6	27.7	26.8	25.9	25.1	24.2	23.3	22.5	21.6	20.8
107	28.6	27.7	26.8	25.9	25.1	24.2	23.3	22.5	21.6	20.8
108	28.6	27.7	26.8	25.9	25.1	24.2	23.3	22.5	21.6	20.8
109	28.6	27.7	26.8	25.9	25.1	24.2	23.3	22.5	21.6	20.8
110	28.6	27.7	26.8	25.9	25.1	24.2	23.3	22.5	21.6	20.8
111	28.6	27.7	26.8	25.9	25.0	24.2	23.3	22.5	21.6	20.8
112	28.6	27.7	26.8	25.9	25.0	24.2	23.3	22.5	21.6	20.8
113	28.6	27.7	26.8	25.9	25.0	24.2	23.3	22.5	21.6	20.8
114	28.6	27.7	26.8	25.9	25.0	24.2	23.3	22.5	21.6	20.8
115	28.6	27.7	26.8	25.9	25.0	24.2	23.3	22.5	21.6	20.8

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	65	66	67	68	69	70	71	72	73	74
65	25.0	24.6	24.2	23.8	23.4	23.1	22.8	22.5	22.2	22.0
66	24.6	24.1	23.7	23.3	22.9	22.5	22.2	21.9	21.6	21.4
67	24.2	23.7	23.2	22.8	22.4	22.0	21.7	21.3	21.0	20.8
68	23.8	23.3	22.8	22.3	21.9	21.5	21.2	20.8	20.5	20.2
69	23.4	22.9	22.4	21.9	21.5	21.1	20.7	20.3	20.0	19.6
70	23.1	22.5	22.0	21.5	21.1	20.6	20.2	19.8	19.4	19.1
71	22.8	22.2	21.7	21.2	20.7	20.2	19.8	19.4	19.0	18.6
72	22.5	21.9	21.3	20.8	20.3	19.8	19.4	18.9	18.5	18.2
73	22.2	21.6	21.0	20.5	20.0	19.4	19.0	18.5	18.1	17.7
74	22.0	21.4	20.8	20.2	19.6	19.1	18.6	18.2	17.7	17.3
75	21.8	21.1	20.5	19.9	19.3	18.8	18.3	17.8	17.3	16.9
76	21.6	20.9	20.3	19.7	19.1	18.5	18.0	17.5	17.0	16.5
77	21.4	20.7	20.1	19.4	18.8	18.3	17.7	17.2	16.7	16.2
78	21.2	20.5	19.9	19.2	18.6	18.0	17.5	16.9	16.4	15.9
79	21.1	20.4	19.7	19.0	18.4	17.8	17.2	16.7	16.1	15.6
80	21.0	20.2	19.5	18.9	18.2	17.6	17.0	16.4	15.9	15.4
81	20.8	20.1	19.4	18.7	18.1	17.4	16.8	16.2	15.7	15.1
82	20.7	20.0	19.3	18.6	17.9	17.3	16.6	16.0	15.5	14.9
83	20.6	19.9	19.2	18.5	17.8	17.1	16.5	15.9	15.3	14.7
84	20.5	19.8	19.1	18.4	17.7	17.0	16.3	15.7	15.1	14.5
85	20.5	19.7	19.0	18.3	17.6	16.9	16.2	15.6	15.0	14.4
86	20.4	19.6	18.9	18.2	17.5	16.8	16.1	15.5	14.8	14.2
87	20.4	19.6	18.8	18.1	17.4	16.7	16.0	15.4	14.7	14.1

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TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES—Continued

Ages	65	66	67	68	69	70	71	72	73	74
88	20.3	19.5	18.8	18.0	17.3	16.6	15.9	15.3	14.6	14.0
89	20.3	19.5	18.7	18.0	17.2	16.5	15.8	15.2	14.5	13.9
90	20.2	19.4	18.7	17.9	17.2	16.5	15.8	15.1	14.5	13.8
91	20.2	19.4	18.6	17.9	17.1	16.4	15.7	15.0	14.4	13.7
92	20.2	19.4	18.6	17.8	17.1	16.4	15.7	15.0	14.3	13.7
93	20.1	19.3	18.6	17.8	17.1	16.3	15.6	14.9	14.3	13.6
94	20.1	19.3	18.5	17.8	17.0	16.3	15.6	14.9	14.2	13.6
95	20.1	19.3	18.5	17.8	17.0	16.3	15.6	14.9	14.2	13.5
96	20.1	19.3	18.5	17.7	17.0	16.2	15.5	14.8	14.2	13.5
97	20.1	19.3	18.5	17.7	17.0	16.2	15.5	14.8	14.1	13.5
98	20.1	19.3	18.5	17.7	16.9	16.2	15.5	14.8	14.1	13.4
99	20.0	19.2	18.5	17.7	16.9	16.2	15.5	14.7	14.1	13.4
100	20.0	19.2	18.4	17.7	16.9	16.2	15.4	14.7	14.0	13.4
101	20.0	19.2	18.4	17.7	16.9	16.1	15.4	14.7	14.0	13.3
102	20.0	19.2	18.4	17.6	16.9	16.1	15.4	14.7	14.0	13.3
103	20.0	19.2	18.4	17.6	16.9	16.1	15.4	14.7	14.0	13.3
104	20.0	19.2	18.4	17.6	16.9	16.1	15.4	14.7	14.0	13.3
105	20.0	19.2	18.4	17.6	16.8	16.1	15.4	14.6	13.9	13.3
106	20.0	19.2	18.4	17.6	16.8	16.1	15.3	14.6	13.9	13.3
107	20.0	19.2	18.4	17.6	16.8	16.1	15.3	14.6	13.9	13.2
108	20.0	19.2	18.4	17.6	16.8	16.1	15.3	14.6	13.9	13.2
109	20.0	19.2	18.4	17.6	16.8	16.1	15.3	14.6	13.9	13.2
110	20.0	19.2	18.4	17.6	16.8	16.1	15.3	14.6	13.9	13.2
111	20.0	19.2	18.4	17.6	16.8	16.0	15.3	14.6	13.9	13.2
112	20.0	19.2	18.4	17.6	16.8	16.0	15.3	14.6	13.9	13.2
113	20.0	19.2	18.4	17.6	16.8	16.0	15.3	14.6	13.9	13.2
114	20.0	19.2	18.4	17.6	16.8	16.0	15.3	14.6	13.9	13.2
115	20.0	19.2	18.4	17.6	16.8	16.0	15.3	14.6	13.9	13.2

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	75	76	77	78	79	80	81	82	83	84
75	16.5	16.1	15.8	15.4	15.1	14.9	14.6	14.4	14.2	14.0
76	16.1	15.7	15.4	15.0	14.7	14.4	14.1	13.9	13.7	13.5
77	15.8	15.4	15.0	14.6	14.3	14.0	13.7	13.4	13.2	13.0
78	15.4	15.0	14.6	14.2	13.9	13.5	13.2	13.0	12.7	12.5
79	15.1	14.7	14.3	13.9	13.5	13.2	12.8	12.5	12.3	12.0
80	14.9	14.4	14.0	13.5	13.2	12.8	12.5	12.2	11.9	11.6
81	14.6	14.1	13.7	13.2	12.8	12.5	12.1	11.8	11.5	11.2
82	14.4	13.9	13.4	13.0	12.5	12.2	11.8	11.5	11.1	10.9
83	14.2	13.7	13.2	12.7	12.3	11.9	11.5	11.1	10.8	10.5
84	14.0	13.5	13.0	12.5	12.0	11.6	11.2	10.9	10.5	10.2
85	13.8	13.3	12.8	12.3	11.8	11.4	11.0	10.6	10.2	9.9
86	13.7	13.1	12.6	12.1	11.6	11.2	10.8	10.4	10.0	9.7
87	13.5	13.0	12.4	11.9	11.4	11.0	10.6	10.1	9.8	9.4
88	13.4	12.8	12.3	11.8	11.3	10.8	10.4	10.0	9.6	9.2
89	13.3	12.7	12.2	11.6	11.1	10.7	10.2	9.8	9.4	9.0
90	13.2	12.6	12.1	11.5	11.0	10.5	10.1	9.6	9.2	8.8
91	13.1	12.5	12.0	11.4	10.9	10.4	9.9	9.5	9.1	8.7
92	13.1	12.5	11.9	11.3	10.8	10.3	9.8	9.4	8.9	8.5
93	13.0	12.4	11.8	11.3	10.7	10.2	9.7	9.3	8.8	8.4
94	12.9	12.3	11.7	11.2	10.6	10.1	9.6	9.2	8.7	8.3
95	12.9	12.3	11.7	11.1	10.6	10.1	9.6	9.1	8.6	8.2
96	12.9	12.2	11.6	11.1	10.5	10.0	9.5	9.0	8.5	8.1
97	12.8	12.2	11.6	11.0	10.5	9.9	9.4	8.9	8.5	8.0
98	12.8	12.2	11.5	11.0	10.4	9.9	9.4	8.9	8.4	8.0
99	12.7	12.1	11.5	10.9	10.4	9.8	9.3	8.8	8.3	7.9
100	12.7	12.1	11.5	10.9	10.3	9.8	9.2	8.7	8.3	7.8
101	12.7	12.1	11.4	10.8	10.3	9.7	9.2	8.7	8.2	7.8
102	12.7	12.0	11.4	10.8	10.2	9.7	9.2	8.7	8.2	7.7
103	12.6	12.0	11.4	10.8	10.2	9.7	9.1	8.6	8.1	7.7
104	12.6	12.0	11.4	10.8	10.2	9.6	9.1	8.6	8.1	7.6
105	12.6	12.0	11.3	10.7	10.2	9.6	9.1	8.5	8.0	7.6
106	12.6	11.9	11.3	10.7	10.1	9.6	9.0	8.5	8.0	7.5
107	12.6	11.9	11.3	10.7	10.1	9.6	9.0	8.5	8.0	7.5
108	12.6	11.9	11.3	10.7	10.1	9.5	9.0	8.5	8.0	7.5
109	12.6	11.9	11.3	10.7	10.1	9.5	9.0	8.4	7.9	7.5
110	12.6	11.9	11.3	10.7	10.1	9.5	9.0	8.4	7.9	7.4

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TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES—Continued

Ages	75	76	77	78	79	80	81	82	83	84
111	12.5	11.9	11.3	10.7	10.1	9.5	8.9	8.4	7.9	7.4
112	12.5	11.9	11.3	10.6	10.1	9.5	8.9	8.4	7.9	7.4
113	12.5	11.9	11.2	10.6	10.0	9.5	8.9	8.4	7.9	7.4
114	12.5	11.9	11.2	10.6	10.0	9.5	8.9	8.4	7.9	7.4
115	12.5	11.9	11.2	10.6	10.0	9.5	8.9	8.4	7.9	7.4

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	85	86	87	88	89	90	91	92	93	94
85	9.6	9.3	9.1	8.9	8.7	8.5	8.3	8.2	8.0	7.9
86	9.3	9.1	8.8	8.6	8.3	8.2	8.0	7.8	7.7	7.6
87	9.1	8.8	8.5	8.3	8.1	7.9	7.7	7.5	7.4	7.2
88	8.9	8.6	8.3	8.0	7.8	7.6	7.4	7.2	7.1	6.9
89	8.7	8.3	8.1	7.8	7.5	7.3	7.1	6.9	6.8	6.6
90	8.5	8.2	7.9	7.6	7.3	7.1	6.9	6.7	6.5	6.4
91	8.3	8.0	7.7	7.4	7.1	6.9	6.7	6.5	6.3	6.2
92	8.2	7.8	7.5	7.2	6.9	6.7	6.5	6.3	6.1	5.9
93	8.0	7.7	7.4	7.1	6.8	6.5	6.3	6.1	5.9	5.8
94	7.9	7.6	7.2	6.9	6.6	6.4	6.2	5.9	5.8	5.6
95	7.8	7.5	7.1	6.8	6.5	6.3	6.0	5.8	5.6	5.4
96	7.7	7.3	7.0	6.7	6.4	6.1	5.9	5.7	5.5	5.3
97	7.6	7.3	6.9	6.6	6.3	6.0	5.8	5.5	5.3	5.1
98	7.6	7.2	6.8	6.5	6.2	5.9	5.6	5.4	5.2	5.0
99	7.5	7.1	6.7	6.4	6.1	5.8	5.5	5.3	5.1	4.9
100	7.4	7.0	6.6	6.3	6.0	5.7	5.4	5.2	5.0	4.8
101	7.3	6.9	6.6	6.2	5.9	5.6	5.3	5.1	4.9	4.7
102	7.3	6.9	6.5	6.2	5.8	5.5	5.3	5.0	4.8	4.6
103	7.2	6.8	6.4	6.1	5.8	5.5	5.2	4.9	4.7	4.5
104	7.2	6.8	6.4	6.0	5.7	5.4	5.1	4.8	4.6	4.4
105	7.1	6.7	6.3	6.0	5.6	5.3	5.0	4.8	4.5	4.3
106	7.1	6.7	6.3	5.9	5.6	5.3	5.0	4.7	4.5	4.2
107	7.1	6.6	6.2	5.9	5.5	5.2	4.9	4.6	4.4	4.2
108	7.0	6.6	6.2	5.8	5.5	5.2	4.9	4.6	4.3	4.1
109	7.0	6.6	6.2	5.8	5.5	5.1	4.8	4.5	4.3	4.1
110	7.0	6.6	6.2	5.8	5.4	5.1	4.8	4.5	4.3	4.0
111	7.0	6.5	6.1	5.7	5.4	5.1	4.8	4.5	4.2	4.0
112	7.0	6.5	6.1	5.7	5.4	5.0	4.7	4.4	4.2	3.9
113	6.9	6.5	6.1	5.7	5.4	5.0	4.7	4.4	4.2	3.9
114	6.9	6.5	6.1	5.7	5.3	5.0	4.7	4.4	4.1	3.9
115	6.9	6.5	6.1	5.7	5.3	5.0	4.7	4.4	4.1	3.9

TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	95	96	97	98	99	100	101	102	103	104
95	5.3	5.1	5.0	4.8	4.7	4.6	4.5	4.4	4.3	4.2
96	5.1	5.0	4.8	4.7	4.5	4.4	4.3	4.2	4.1	4.0
97	5.0	4.8	4.7	4.5	4.4	4.3	4.1	4.0	3.9	3.8
98	4.8	4.7	4.5	4.4	4.2	4.1	4.0	3.9	3.8	3.7
99	4.7	4.5	4.4	4.2	4.1	4.0	3.8	3.7	3.6	3.5
100	4.6	4.4	4.3	4.1	4.0	3.8	3.7	3.6	3.5	3.3
101	4.5	4.3	4.1	4.0	3.8	3.7	3.6	3.4	3.3	3.2
102	4.4	4.2	4.0	3.9	3.7	3.6	3.4	3.3	3.2	3.1
103	4.3	4.1	3.9	3.8	3.6	3.5	3.3	3.2	3.0	2.9
104	4.2	4.0	3.8	3.7	3.5	3.3	3.2	3.1	2.9	2.8
105	4.1	3.9	3.7	3.6	3.4	3.2	3.1	2.9	2.8	2.7
106	4.0	3.8	3.6	3.5	3.3	3.1	3.0	2.8	2.7	2.5
107	4.0	3.8	3.6	3.4	3.2	3.1	2.9	2.7	2.6	2.4
108	3.9	3.7	3.5	3.3	3.1	3.0	2.8	2.7	2.5	2.3
109	3.8	3.6	3.4	3.3	3.1	2.9	2.7	2.6	2.4	2.3
110	3.8	3.6	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.2
111	3.8	3.5	3.3	3.2	3.0	2.8	2.6	2.4	2.3	2.1
112	3.7	3.5	3.3	3.1	2.9	2.8	2.6	2.4	2.2	2.1
113	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.0
114	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	2.0
115	3.7	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9

Internal Revenue Service, Treasury

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TABLE VI—ORDINARY JOINT LIFE AND LAST SURVIVOR ANNUITIES; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	105	106	107	108	109	110	111	112	113	114	115
105	2.5	2.4	2.3	2.2	2.1	2.0	2.0	1.9	1.8	1.8	1.8
106	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.7	1.6	1.6
107	2.3	2.2	2.1	1.9	1.8	1.7	1.7	1.6	1.5	1.5	1.4
108	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.3
109	2.1	2.0	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.2	1.1
110	2.0	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.0
111	2.0	1.8	1.7	1.5	1.4	1.3	1.2	1.1	1.0	.9	.9
112	1.9	1.7	1.6	1.5	1.3	1.2	1.1	1.0	.9	.8	.8
113	1.8	1.7	1.5	1.4	1.3	1.1	1.0	.9	.8	.7	.7
114	1.8	1.6	1.5	1.3	1.2	1.1	.9	.8	.7	.6	.6
115	1.8	1.6	1.4	1.3	1.1	1.0	.9	.8	.7	.6	.5

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	5	6	7	8	9	10	11	12	13	14
5	69.5	69.0	68.4	67.9	67.3	66.7	66.1	65.5	64.8	64.1
6	69.0	68.5	68.0	67.5	66.9	66.4	65.8	65.1	64.5	63.8
7	68.4	68.0	67.5	67.0	66.5	66.0	65.4	64.8	64.2	63.5
8	67.9	67.5	67.0	66.6	66.1	65.5	65.0	64.4	63.8	63.2
9	67.3	66.9	66.5	66.1	65.6	65.1	64.6	64.0	63.4	62.8
10	66.7	66.4	66.0	65.5	65.1	64.6	64.1	63.6	63.0	62.5
11	66.1	65.8	65.4	65.0	64.6	64.1	63.6	63.1	62.6	62.1
12	65.5	65.1	64.8	64.4	64.0	63.6	63.1	62.7	62.2	61.7
13	64.8	64.5	64.2	63.8	63.4	63.0	62.6	62.2	61.7	61.2
14	64.1	63.8	63.5	63.2	62.8	62.5	62.1	61.7	61.2	60.7
15	63.4	63.1	62.9	62.6	62.2	61.9	61.5	61.1	60.7	60.2
16	62.7	62.4	62.2	61.9	61.6	61.3	60.9	60.5	60.1	59.7
17	61.9	61.7	61.5	61.2	60.9	60.6	60.3	59.9	59.6	59.2
18	61.2	61.0	60.7	60.5	60.2	60.0	59.7	59.3	59.0	58.6
19	60.4	60.2	60.0	59.8	59.5	59.3	59.0	58.7	58.4	58.0
20	59.6	59.4	59.2	59.0	58.8	58.6	58.3	58.0	57.7	57.4
21	58.8	58.7	58.5	58.3	58.1	57.8	57.6	57.3	57.1	56.8
22	58.0	57.8	57.7	57.5	57.3	57.1	56.9	56.6	56.4	56.1
23	57.2	57.0	56.9	56.7	56.5	56.4	56.1	55.9	55.7	55.4
24	56.3	56.2	56.1	55.9	55.8	55.6	55.4	55.2	55.0	54.7
25	55.5	55.4	55.2	55.1	55.0	54.8	54.6	54.4	54.2	54.0
26	54.6	54.5	54.4	54.3	54.1	54.0	53.8	53.7	53.5	53.3
27	53.8	53.7	53.6	53.4	53.3	53.2	53.0	52.9	52.7	52.5
28	52.9	52.8	52.7	52.6	52.5	52.4	52.2	52.1	51.9	51.7
29	52.0	51.9	51.8	51.7	51.6	51.5	51.4	51.3	51.1	51.0
30	51.1	51.0	51.0	50.9	50.8	50.7	50.6	50.4	50.3	50.2
31	50.2	50.2	50.1	50.0	49.9	49.8	49.7	49.6	49.5	49.3
32	49.3	49.3	49.2	49.1	49.0	49.0	48.9	48.8	48.6	48.5
33	48.4	48.4	48.3	48.2	48.2	48.1	48.0	47.9	47.8	47.7
34	47.5	47.5	47.4	47.4	47.3	47.2	47.1	47.0	47.0	46.8
35	46.6	46.6	46.5	46.5	46.4	46.3	46.3	46.2	46.1	46.0
36	45.7	45.7	45.6	45.6	45.5	45.4	45.4	45.3	45.2	45.1
37	44.8	44.7	44.7	44.6	44.6	44.5	44.5	44.4	44.3	44.3
38	43.9	43.8	43.8	43.7	43.7	43.6	43.6	43.5	43.5	43.4
39	42.9	42.9	42.9	42.8	42.8	42.7	42.7	42.6	42.6	42.5
40	42.0	42.0	42.0	41.9	41.9	41.8	41.8	41.7	41.7	41.6
41	41.1	41.1	41.0	41.0	41.0	40.9	40.9	40.8	40.8	40.7
42	40.2	40.1	40.1	40.1	40.1	40.0	40.0	39.9	39.9	39.8
43	39.2	39.2	39.2	39.2	39.1	39.1	39.1	39.0	39.0	39.0
44	38.3	38.3	38.3	38.3	38.2	38.2	38.2	38.1	38.1	38.1
45	37.4	37.4	37.4	37.3	37.3	37.3	37.3	37.2	37.2	37.2
46	36.5	36.5	36.5	36.4	36.4	36.4	36.4	36.3	36.3	36.3
47	35.6	35.6	35.5	35.5	35.5	35.5	35.5	35.4	35.4	35.4
48	34.7	34.7	34.6	34.6	34.6	34.6	34.6	34.5	34.5	34.5
49	33.8	33.8	33.7	33.7	33.7	33.7	33.7	33.7	33.6	33.6
50	32.9	32.9	32.8	32.8	32.8	32.8	32.8	32.8	32.7	32.7
51	32.0	32.0	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.8
52	31.1	31.1	31.1	31.0	31.0	31.0	31.0	31.0	31.0	30.9
53	30.2	30.2	30.2	30.2	30.1	30.1	30.1	30.1	30.1	30.1
54	29.3	29.3	29.3	29.3	29.3	29.2	29.2	29.2	29.2	29.2
55	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.3	28.3	28.3
56	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
57	26.7	26.7	26.7	26.6	26.6	26.6	26.6	26.6	26.6	26.6
58	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.7	25.7	25.7

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES—
Continued

Ages	5	6	7	8	9	10	11	12	13	14
59	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
60	24.1	24.1	24.1	24.1	24.1	24.0	24.0	24.0	24.0	24.0
61	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
62	22.4	22.4	22.4	22.4	22.4	22.4	22.3	22.3	22.3	22.3
63	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
64	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
65	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
66	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
67	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
68	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
69	16.8	16.8	16.8	16.7	16.7	16.7	16.7	16.7	16.7	16.7
70	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
71	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.2
72	14.6	14.6	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
73	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
74	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
75	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
76	11.9	11.9	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
77	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
78	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
79	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
80	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.4	9.4
81	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
83	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
84	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
86	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
88	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
89	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
90	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
91	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
92	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
93	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
94	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
95	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6
96	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
97	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
98	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
99	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
100	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
101	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
102	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
103	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
104	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
106	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
107	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
108	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
112	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
113	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
114	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
115	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	15	16	17	18	19	20	21	22	23	24
15	59.8	59.3	58.8	58.2	57.6	57.0	56.4	55.8	55.1	54.5
16	59.3	58.8	58.3	57.8	57.2	56.7	56.1	55.5	54.8	54.2
17	58.8	58.3	57.8	57.3	56.8	56.3	55.7	55.1	54.5	53.9
18	58.2	57.8	57.3	56.9	56.4	55.9	55.3	54.7	54.2	53.5
19	57.6	57.2	56.8	56.4	55.9	55.4	54.9	54.4	53.8	53.2
20	57.0	56.7	56.3	55.9	55.4	54.9	54.5	53.9	53.4	52.8
21	56.4	56.1	55.7	55.3	54.9	54.5	54.0	53.5	53.0	52.4
22	55.8	55.5	55.1	54.7	54.4	53.9	53.5	53.0	52.5	52.0

Internal Revenue Service, Treasury

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TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES—
Continued

Ages	15	16	17	18	19	20	21	22	23	24
23	55.1	54.8	54.5	54.2	53.8	53.4	53.0	52.5	52.1	51.6
24	54.5	54.2	53.9	53.5	53.2	52.8	52.4	52.0	51.6	51.1
25	53.8	53.5	53.2	52.9	52.6	52.2	51.9	51.5	51.1	50.6
26	53.0	52.8	52.5	52.3	52.0	51.6	51.3	50.9	50.5	50.1
27	52.3	52.1	51.8	51.6	51.3	51.0	50.7	50.3	50.0	49.6
28	51.5	51.3	51.1	50.9	50.6	50.3	50.0	49.7	49.4	49.0
29	50.8	50.6	50.4	50.2	49.9	49.7	49.4	49.1	48.8	48.4
30	50.0	49.8	49.6	49.4	49.2	49.0	48.7	48.4	48.1	47.8
31	49.2	49.0	48.9	48.7	48.5	48.3	48.0	47.8	47.5	47.2
32	48.4	48.2	48.1	47.9	47.7	47.5	47.3	47.1	46.8	46.5
33	47.6	47.4	47.3	47.1	47.0	46.8	46.6	46.3	46.1	45.9
34	46.7	46.6	46.5	46.3	46.2	46.0	45.8	45.6	45.4	45.2
35	45.9	45.8	45.7	45.5	45.4	45.2	45.1	44.9	44.7	44.4
36	45.0	44.9	44.8	44.7	44.6	44.4	44.3	44.1	43.9	43.7
37	44.2	44.1	44.0	43.9	43.8	43.6	43.5	43.3	43.2	43.0
38	43.3	43.2	43.1	43.0	42.9	42.8	42.7	42.5	42.4	42.2
39	42.4	42.4	42.3	42.2	42.1	42.0	41.9	41.7	41.6	41.4
40	41.6	41.5	41.4	41.3	41.2	41.1	41.0	40.9	40.8	40.6
41	40.7	40.6	40.5	40.5	40.4	40.3	40.2	40.1	40.0	39.8
42	39.8	39.7	39.7	39.6	39.5	39.4	39.4	39.3	39.1	39.0
43	38.9	38.9	38.8	38.7	38.7	38.6	38.5	38.4	38.3	38.2
44	38.0	38.0	37.9	37.9	37.8	37.7	37.7	37.6	37.5	37.4
45	37.1	37.1	37.0	37.0	36.9	36.9	36.8	36.7	36.6	36.5
46	36.2	36.2	36.2	36.1	36.1	36.0	35.9	35.9	35.8	35.7
47	35.3	35.3	35.3	35.2	35.2	35.1	35.1	35.0	34.9	34.9
48	34.5	34.4	34.4	34.4	34.3	34.3	34.2	34.2	34.1	34.0
49	33.6	33.5	33.5	33.5	33.4	33.4	33.4	33.3	33.2	33.2
50	32.7	32.7	32.6	32.6	32.6	32.5	32.5	32.4	32.4	32.3
51	31.8	31.8	31.8	31.7	31.7	31.6	31.6	31.5	31.5	31.5
52	30.9	30.9	30.9	30.9	30.8	30.8	30.8	30.7	30.7	30.6
53	30.0	30.0	30.0	30.0	30.0	29.9	29.9	29.9	29.8	29.8
54	29.2	29.2	29.1	29.1	29.1	29.1	29.0	29.0	29.0	28.9
55	28.3	28.3	28.3	28.3	28.2	28.2	28.2	28.2	28.1	28.1
56	27.4	27.4	27.4	27.4	27.4	27.3	27.3	27.3	27.3	27.2
57	26.6	26.6	26.5	26.5	26.5	26.5	26.5	26.5	26.4	26.4
58	25.7	25.7	25.7	25.7	25.7	25.6	25.6	25.6	25.6	25.6
59	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.7	24.7
60	24.0	24.0	24.0	24.0	24.0	23.9	23.9	23.9	23.9	23.9
61	23.2	23.2	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.0
62	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.2	22.2	22.2
63	21.5	21.5	21.5	21.5	21.5	21.4	21.4	21.4	21.4	21.4
64	20.7	20.7	20.7	20.6	20.6	20.6	20.6	20.6	20.6	20.6
65	19.9	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
66	19.1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
67	18.3	18.3	18.3	18.3	18.2	18.2	18.2	18.2	18.2	18.2
68	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.4	17.4
69	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
70	16.0	16.0	16.0	16.0	16.0	16.0	15.9	15.9	15.9	15.9
71	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
72	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
73	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
74	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
75	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
76	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
77	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
78	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
79	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
80	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
81	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
83	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.8
84	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
86	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
88	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
89	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
90	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
91	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
92	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
93	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES—
Continued

Ages	15	16	17	18	19	20	21	22	23	24
94	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
95	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
96	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
97	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
98	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
99	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
100	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
101	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
102	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
103	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
104	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
106	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
107	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
108	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
112	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
113	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
114	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
115	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	25	26	27	28	29	30	31	32	33	34
25	50.2	49.7	49.2	48.6	48.1	47.5	46.9	46.2	45.6	44.9
26	49.7	49.2	48.7	48.2	47.7	47.1	46.5	45.9	45.3	44.6
27	49.2	48.7	48.3	47.8	47.3	46.7	46.2	45.6	45.0	44.3
28	48.6	48.2	47.8	47.3	46.8	46.3	45.8	45.2	44.6	44.0
29	48.1	47.7	47.3	46.8	46.4	45.9	45.4	44.8	44.3	43.7
30	47.5	47.1	46.7	46.3	45.9	45.4	44.9	44.4	43.9	43.3
31	46.9	46.5	46.2	45.8	45.4	44.9	44.5	44.0	43.5	42.9
32	46.2	45.9	45.6	45.2	44.8	44.4	44.0	43.5	43.0	42.5
33	45.6	45.3	45.0	44.6	44.3	43.9	43.5	43.0	42.6	42.1
34	44.9	44.6	44.3	44.0	43.7	43.3	42.9	42.5	42.1	41.6
35	44.2	44.0	43.7	43.4	43.1	42.7	42.4	42.0	41.6	41.1
36	43.5	43.3	43.0	42.7	42.4	42.1	41.8	41.4	41.0	40.6
37	42.8	42.5	42.3	42.1	41.8	41.5	41.2	40.8	40.5	40.1
38	42.0	41.8	41.6	41.4	41.1	40.8	40.6	40.2	39.9	39.5
39	41.3	41.1	40.9	40.7	40.4	40.2	39.9	39.6	39.3	39.0
40	40.5	40.3	40.1	39.9	39.7	39.5	39.2	39.0	38.7	38.4
41	39.7	39.5	39.4	39.2	39.0	38.8	38.5	38.3	38.0	37.7
42	38.9	38.8	38.6	38.4	38.3	38.1	37.8	37.6	37.4	37.1
43	38.1	38.0	37.8	37.7	37.5	37.3	37.1	36.9	36.7	36.4
44	37.3	37.2	37.0	36.9	36.7	36.6	36.4	36.2	36.0	35.8
45	36.5	36.3	36.2	36.1	36.0	35.8	35.6	35.5	35.3	35.1
46	35.6	35.5	35.4	35.3	35.2	35.0	34.9	34.7	34.5	34.4
47	34.8	34.7	34.6	34.5	34.4	34.3	34.1	34.0	33.8	33.6
48	34.0	33.9	33.8	33.7	33.6	33.5	33.4	33.2	33.1	32.9
49	33.1	33.0	33.0	32.9	32.8	32.7	32.6	32.4	32.3	32.2
50	32.3	32.2	32.1	32.1	32.0	31.9	31.8	31.7	31.5	31.4
51	31.4	31.4	31.3	31.2	31.2	31.1	31.0	30.9	30.8	30.6
52	30.6	30.5	30.5	30.4	30.3	30.3	30.2	30.1	30.0	29.9
53	29.7	29.7	29.6	29.6	29.5	29.5	29.4	29.3	29.2	29.1
54	28.9	28.9	28.8	28.8	28.7	28.6	28.6	28.5	28.4	28.3
55	28.1	28.0	28.0	27.9	27.9	27.8	27.8	27.7	27.6	27.5
56	27.2	27.2	27.1	27.1	27.0	27.0	26.9	26.9	26.8	26.7
57	26.4	26.3	26.3	26.3	26.2	26.2	26.1	26.1	26.0	25.9
58	25.5	25.5	25.5	25.4	25.4	25.4	25.3	25.3	25.2	25.1
59	24.7	24.7	24.6	24.6	24.6	24.5	24.5	24.5	24.4	24.3
60	23.9	23.8	23.8	23.8	23.8	23.7	23.7	23.6	23.6	23.5
61	23.0	23.0	23.0	23.0	22.9	22.9	22.9	22.8	22.8	22.7
62	22.2	22.2	22.2	22.1	22.1	22.1	22.1	22.0	22.0	21.9
63	21.4	21.4	21.3	21.3	21.3	21.3	21.3	21.2	21.2	21.2
64	20.6	20.6	20.5	20.5	20.5	20.5	20.5	20.4	20.4	20.4
65	19.8	19.8	19.7	19.7	19.7	19.7	19.7	19.6	19.6	19.6
66	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.9	18.8	18.8
67	18.2	18.2	18.2	18.2	18.2	18.1	18.1	18.1	18.1	18.1

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TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES—
Continued

Ages	25	26	27	28	29	30	31	32	33	34
68	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.3	17.3	17.3
69	16.7	16.7	16.7	16.6	16.6	16.6	16.6	16.6	16.6	16.6
70	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.8	15.8
71	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.1	15.1	15.1
72	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.4	14.4	14.4
73	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7
74	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
75	12.5	12.5	12.5	12.4	12.4	12.4	12.4	12.4	12.4	12.4
76	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
77	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.1
78	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.5
79	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
80	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
81	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
83	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
84	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
86	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
88	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
89	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
90	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
91	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
92	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
93	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
94	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
95	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
96	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
97	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
98	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
99	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
100	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
101	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
102	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
103	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
104	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
106	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
107	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
108	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
112	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
113	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
114	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
115	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	35	36	37	38	39	40	41	42	43	44
35	40.7	40.2	39.7	39.2	38.6	38.0	37.4	36.8	36.2	35.5
36	40.2	39.7	39.3	38.7	38.2	37.7	37.1	36.5	35.9	35.2
37	39.7	39.3	38.8	38.3	37.8	37.3	36.7	36.2	35.6	34.9
38	39.2	38.7	38.3	37.9	37.4	36.9	36.3	35.8	35.2	34.6
39	38.6	38.2	37.8	37.4	36.9	36.4	35.9	35.4	34.9	34.3
40	38.0	37.7	37.3	36.9	36.4	36.0	35.5	35.0	34.5	34.0
41	37.4	37.1	36.7	36.3	35.9	35.5	35.1	34.6	34.1	33.6
42	36.8	36.5	36.2	35.8	35.4	35.0	34.6	34.1	33.7	33.2
43	36.2	35.9	35.6	35.2	34.9	34.5	34.1	33.7	33.2	32.8
44	35.5	35.2	34.9	34.6	34.3	34.0	33.6	33.2	32.8	32.3
45	34.8	34.6	34.3	34.0	33.7	33.4	33.0	32.7	32.3	31.8
46	34.1	33.9	33.7	33.4	33.1	32.8	32.5	32.1	31.8	31.4
47	33.4	33.2	33.0	32.8	32.5	32.2	31.9	31.6	31.2	30.8
48	32.7	32.5	32.3	32.1	31.8	31.6	31.3	31.0	30.7	30.3
49	32.0	31.8	31.6	31.4	31.2	30.9	30.7	30.4	30.1	29.8
50	31.3	31.1	30.9	30.7	30.5	30.3	30.0	29.8	29.5	29.2
51	30.5	30.4	30.2	30.0	29.8	29.6	29.4	29.2	28.9	28.6

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES—
Continued

Ages	35	36	37	38	39	40	41	42	43	44
52	29.7	29.6	29.5	29.3	29.1	28.9	28.7	28.5	28.3	28.0
53	29.0	28.9	28.7	28.6	28.4	28.2	28.1	27.9	27.6	27.4
54	28.2	28.1	28.0	27.8	27.7	27.5	27.4	27.2	27.0	26.8
55	27.4	27.3	27.2	27.1	27.0	26.8	26.7	26.5	26.3	26.1
56	26.7	26.6	26.5	26.3	26.2	26.1	26.0	25.8	25.6	25.4
57	25.9	25.8	25.7	25.6	25.5	25.4	25.2	25.1	24.9	24.8
58	25.1	25.0	24.9	24.8	24.7	24.6	24.5	24.4	24.2	24.1
59	24.3	24.2	24.1	24.1	24.0	23.9	23.8	23.6	23.5	23.4
60	23.5	23.4	23.4	23.3	23.2	23.1	23.0	22.9	22.8	22.7
61	22.7	22.6	22.6	22.5	22.4	22.4	22.3	22.2	22.1	22.0
62	21.9	21.9	21.8	21.7	21.7	21.6	21.5	21.4	21.3	21.2
63	21.1	21.1	21.0	21.0	20.9	20.8	20.8	20.7	20.6	20.5
64	20.3	20.3	20.2	20.2	20.1	20.1	20.0	20.0	19.9	19.8
65	19.6	19.5	19.5	19.4	19.4	19.3	19.3	19.2	19.1	19.1
66	18.8	18.8	18.7	18.7	18.6	18.6	18.5	18.5	18.4	18.4
67	18.0	18.0	18.0	17.9	17.9	17.9	17.8	17.8	17.7	17.6
68	17.3	17.3	17.2	17.2	17.2	17.1	17.1	17.0	17.0	16.9
69	16.5	16.5	16.5	16.5	16.4	16.4	16.4	16.3	16.3	16.2
70	15.8	15.8	15.8	15.7	15.7	15.7	15.6	15.6	15.6	15.5
71	15.1	15.1	15.1	15.0	15.0	15.0	15.0	14.9	14.9	14.9
72	14.4	14.4	14.4	14.3	14.3	14.3	14.3	14.2	14.2	14.2
73	13.7	13.7	13.7	13.7	13.7	13.6	13.6	13.6	13.6	13.5
74	13.1	13.0	13.0	13.0	13.0	13.0	13.0	12.9	12.9	12.9
75	12.4	12.4	12.4	12.4	12.3	12.3	12.3	12.3	12.3	12.2
76	11.8	11.8	11.7	11.7	11.7	11.7	11.7	11.7	11.6	11.6
77	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.0	11.0
78	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.4
79	10.0	10.0	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
80	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.3
81	8.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
82	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
83	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
84	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
85	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
86	6.5	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.4
87	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
88	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6
89	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
90	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
91	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6
92	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
93	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
94	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
95	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
96	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
97	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
98	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
99	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
100	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
101	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
102	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
103	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
104	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
106	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
107	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
108	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
112	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
113	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
114	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
115	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	45	46	47	48	49	50	51	52	53	54
45	31.4	30.9	30.5	30.0	29.4	28.9	28.3	27.7	27.1	26.5

Internal Revenue Service, Treasury

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TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES—
Continued

Ages	45	46	47	48	49	50	51	52	53	54
46	30.9	30.5	30.0	29.6	29.1	28.5	28.0	27.4	26.9	26.3
47	30.5	30.0	29.6	29.2	28.7	28.2	27.7	27.1	26.6	26.0
48	30.0	29.6	29.2	28.7	28.3	27.8	27.3	26.8	26.3	25.7
49	29.4	29.1	28.7	28.3	27.9	27.4	26.9	26.5	25.9	25.4
50	28.9	28.5	28.2	27.4	27.4	27.0	26.5	26.1	25.6	25.1
51	28.3	28.0	27.7	27.3	26.9	26.5	26.1	25.7	25.2	24.7
52	27.7	27.4	27.1	26.8	26.5	26.1	25.7	25.3	24.8	24.4
53	27.1	26.9	26.6	26.3	25.9	25.6	25.2	24.8	24.4	24.0
54	26.5	26.3	26.0	25.7	25.4	25.1	24.7	24.4	24.0	23.6
55	25.9	25.7	25.4	25.1	24.9	24.6	24.2	23.9	23.5	23.2
56	25.2	25.0	24.8	24.6	24.3	24.0	23.7	23.4	23.1	22.7
57	24.6	24.4	24.2	24.0	23.7	23.5	23.2	22.9	22.6	22.2
58	23.9	23.7	23.5	23.3	23.1	22.9	22.6	22.4	22.1	21.7
59	23.2	23.1	22.9	22.7	22.5	22.3	22.1	21.8	21.5	21.2
60	22.5	22.4	22.2	22.1	21.9	21.7	21.5	21.2	21.0	20.7
61	21.8	21.7	21.6	21.4	21.2	21.1	20.9	20.6	20.4	20.2
62	21.1	21.0	20.9	20.7	20.6	20.4	20.2	20.0	19.8	19.6
63	20.4	20.3	20.2	20.1	19.9	19.8	19.6	19.4	19.2	19.0
64	19.7	19.6	19.5	19.4	19.3	19.1	19.0	18.8	18.6	18.5
65	19.0	18.9	18.8	18.7	18.6	18.5	18.3	18.2	18.0	17.9
66	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.6	17.4	17.3
67	17.6	17.5	17.4	17.3	17.3	17.2	17.1	16.9	16.8	16.7
68	16.9	16.8	16.7	16.7	16.6	16.5	16.4	16.3	16.2	16.1
69	16.2	16.1	16.1	16.0	15.9	15.8	15.8	15.7	15.6	15.4
70	15.5	15.4	15.4	15.3	15.3	15.2	15.1	15.0	14.9	14.8
71	14.8	14.8	14.7	14.7	14.6	14.5	14.5	14.4	14.3	14.2
72	14.1	14.1	14.1	14.0	14.0	13.9	13.8	13.8	13.7	13.6
73	13.5	13.5	13.4	13.4	13.3	13.3	13.2	13.2	13.1	13.0
74	12.8	12.8	12.8	12.7	12.7	12.7	12.6	12.6	12.5	12.4
75	12.2	12.2	12.2	12.1	12.1	12.1	12.0	12.0	11.9	11.9
76	11.6	11.6	11.6	11.5	11.5	11.5	11.4	11.4	11.3	11.3
77	11.0	11.0	11.0	10.9	10.9	10.9	10.8	10.8	10.8	10.7
78	10.4	10.4	10.4	10.4	10.3	10.3	10.3	10.2	10.2	10.2
79	9.9	9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.7	9.6
80	9.3	9.3	9.3	9.3	9.2	9.2	9.2	9.2	9.1	9.1
81	8.8	8.8	8.7	8.7	8.7	8.7	8.7	8.7	8.6	8.6
82	8.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.1	8.1
83	7.8	7.8	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.6
84	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.2	7.2
85	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7
86	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.3
87	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9
88	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
89	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2
90	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
91	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
92	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.3
93	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
94	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
95	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
96	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
97	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
98	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
99	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
100	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
101	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
102	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
103	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
104	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
106	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
107	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
108	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
112	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
113	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
114	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
115	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	55	56	57	58	59	60	61	62	63	64
55	22.7	22.3	21.9	21.4	20.9	20.4	19.9	19.4	18.8	18.3
56	22.3	21.9	21.5	21.1	20.6	20.1	19.6	19.1	18.6	18.0
57	21.9	21.5	21.1	20.7	20.3	19.8	19.3	18.8	18.3	17.8
58	21.4	21.1	20.7	20.3	19.9	19.5	19.0	18.5	18.0	17.5
59	20.9	20.6	20.3	19.9	19.5	19.1	18.7	18.2	17.7	17.3
60	20.4	20.1	19.8	19.5	19.1	18.7	18.3	17.9	17.4	17.0
61	20.4	19.6	19.3	19.0	18.7	18.3	17.9	17.5	17.1	16.7
62	19.4	19.1	18.8	18.5	18.2	17.9	17.5	17.1	16.8	16.3
63	18.8	18.6	18.3	18.0	17.7	17.4	17.1	16.8	16.4	16.0
64	18.3	18.0	17.8	17.5	17.3	17.0	16.7	16.3	16.0	15.6
65	17.7	17.5	17.3	17.0	16.8	16.5	16.2	15.9	15.6	15.3
66	17.1	16.9	16.7	16.5	16.3	16.0	15.8	15.5	15.2	14.9
67	16.5	16.3	16.2	16.0	15.8	15.5	15.3	15.0	14.7	14.5
68	15.9	15.8	15.6	15.4	15.2	15.0	14.8	14.6	14.3	14.0
69	15.3	15.2	15.0	14.9	14.7	14.5	14.3	14.1	13.9	13.6
70	14.7	14.6	14.5	14.3	14.2	14.0	13.8	13.6	13.4	13.2
71	14.1	14.0	13.9	13.8	13.6	13.5	13.3	13.1	12.9	12.7
72	13.5	13.4	13.3	13.2	13.1	12.9	12.8	12.6	12.4	12.3
73	13.0	12.9	12.8	12.7	12.5	12.4	12.3	12.1	12.0	11.8
74	12.4	12.3	12.2	12.1	12.0	11.9	11.8	11.6	11.5	11.3
75	11.8	11.7	11.7	11.6	11.5	11.4	11.3	11.1	11.0	10.9
76	11.2	11.2	11.1	11.0	10.9	10.9	10.8	10.6	10.5	10.4
77	10.7	10.6	10.6	10.5	10.4	10.3	10.3	10.2	10.0	9.9
78	10.1	10.1	10.0	10.0	9.9	9.8	9.8	9.7	9.6	9.5
79	9.6	9.6	9.5	9.5	9.4	9.3	9.3	9.2	9.1	9.0
80	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.7	8.6
81	8.6	8.5	8.5	8.5	8.4	8.4	8.3	8.3	8.2	8.1
82	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.8	7.8	7.7
83	7.6	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.3	7.3
84	7.2	7.1	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.9
85	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.5	6.5	6.5
86	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.2	6.1	6.1
87	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.7
88	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4
89	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.1
90	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8
91	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5
92	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2
93	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
94	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7
95	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5
96	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3
97	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1
98	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
99	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
100	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
101	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
102	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2
103	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
104	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
106	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
107	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
108	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
112	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
113	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
114	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
115	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	65	66	67	68	69	70	71	72	73	74
65	14.9	14.5	14.1	13.7	13.3	12.9	12.5	12.0	11.6	11.2
66	14.5	14.2	13.8	13.4	13.1	12.6	12.2	11.8	11.4	11.0
67	14.1	13.8	13.5	13.1	12.8	12.4	12.0	11.6	11.2	10.8
68	13.7	13.4	13.1	12.8	12.5	12.1	11.7	11.4	11.0	10.6
69	13.3	13.1	12.8	12.5	12.1	11.8	11.4	11.1	10.7	10.4

Internal Revenue Service, Treasury

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TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES—
Continued

Ages	65	66	67	68	69	70	71	72	73	74
70	12.9	12.6	12.4	12.1	11.8	11.5	11.2	10.8	10.5	10.1
71	12.5	12.2	12.0	11.7	11.4	11.2	10.9	10.5	10.2	9.9
72	12.0	11.8	11.6	11.4	11.1	10.8	10.5	10.2	9.9	9.6
73	11.6	11.4	11.2	11.0	10.7	10.5	10.2	9.9	9.7	9.4
74	11.2	11.0	10.8	10.6	10.4	10.1	9.9	9.6	9.4	9.1
75	10.7	10.5	10.4	10.2	10.0	9.8	9.5	9.3	9.1	8.8
76	10.3	10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.5
77	9.8	9.7	9.5	9.4	9.2	9.0	8.8	8.6	8.4	8.2
78	9.4	9.2	9.1	9.0	8.8	8.7	8.5	8.3	8.1	7.9
79	8.9	8.8	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6
80	8.5	8.4	8.3	8.2	8.0	7.9	7.8	7.6	7.5	7.3
81	8.0	8.0	7.9	7.9	7.7	7.5	7.4	7.3	7.1	7.0
82	7.6	7.5	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.7
83	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4
84	6.8	6.7	6.7	6.6	6.5	6.4	6.4	6.3	6.2	6.0
85	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9	5.8	5.7
86	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.4
87	5.7	5.6	5.6	5.6	5.5	5.4	5.4	5.3	5.2	5.2
88	5.3	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9
89	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6
90	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.4	4.4
91	4.5	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.1
92	4.2	4.2	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9
93	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7
94	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5
95	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.3	3.3
96	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1
97	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0
98	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8
99	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6
100	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5
101	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3
102	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
103	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
104	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
106	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
107	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
108	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111 .....	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
112 .....	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
113 .....	.7	.7	.7	.7	.7	.6	.6	.6	.6	.6
114 .....	.6	.6	.6	.6	.6	.6	.5	.5	.5	.5
115 .....	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	75	76	77	78	79	80	81	82	83	84
75	8.6	8.3	8.0	7.7	7.4	7.1	6.8	6.5	6.2	5.9
76	8.3	8.0	7.8	7.5	7.2	6.9	6.7	6.4	6.1	5.8
77	8.0	7.8	7.5	7.3	7.0	6.8	6.5	6.2	5.9	5.7
78	7.7	7.5	7.3	7.0	6.8	6.6	6.3	6.0	5.8	5.5
79	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.9	5.6	5.4
80	7.1	6.9	6.8	6.6	6.3	6.1	5.9	5.7	5.5	5.2
81	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1
82	6.5	6.4	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.9
83	6.2	6.1	5.9	5.8	5.6	5.5	5.3	5.1	4.9	4.7
84	5.9	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.7	4.6
85	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.6	4.4
86	5.4	5.3	5.1	5.0	4.9	4.8	4.7	4.5	4.4	4.2
87	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.2	4.1
88	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9
89	4.5	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
90	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.8	3.7	3.5
91	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.6	3.5	3.4
92	3.9	3.8	3.7	3.7	3.6	3.6	3.5	3.4	3.3	3.2
93	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.2	3.2	3.1

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TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES—
Continued

Ages	75	76	77	78	79	80	81	82	83	84
94	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.0	3.0
95	3.3	3.2	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.8
96	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.7
97	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6
98	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5
99	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
100	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2
101	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1
102	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0
103	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8
104	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
105	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6
106	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
107	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
108	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111 .....	.9	.9	.9	.9	.9	.9	.9	.9	.8	.8
112 .....	.8	.8	.8	.7	.7	.7	.7	.7	.7	.7
113 .....	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
114 .....	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
115 .....	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	85	86	87	88	89	90	91	92	93	94
85	4.2	4.1	3.9	3.8	3.6	3.4	3.3	3.2	3.0	2.9
86	4.1	3.9	3.8	3.6	3.5	3.3	3.2	3.1	2.9	2.8
87	3.9	3.8	3.6	3.5	3.4	3.2	3.1	3.0	2.8	2.7
88	3.8	3.6	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.6
89	3.6	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.6
90	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5
91	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4
92	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3
93	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.3	2.3
94	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.3	2.2
95	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1
96	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0
97	2.5	2.5	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0
98	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.0	2.0	1.9
99	2.3	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8
100	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8
101	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.7	1.7
102	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6
103	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.5
104	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4
105	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3
106	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2
107	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2
108	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
109	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
110 .....	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
111 .....	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
112 .....	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
113 .....	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
114 .....	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
115 .....	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	95	96	97	98	99	100	101	102	103	104
95	2.0	2.0	1.9	1.8	1.8	1.7	1.6	1.6	1.5	1.4
96	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.5	1.5	1.4
97	1.9	1.9	1.8	1.7	1.7	1.6	1.6	1.5	1.4	1.3
98	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3
99	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3
100	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3

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TABLE VIA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES—
Continued

Ages	95	96	97	98	99	100	101	102	103	104
101	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2
102	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
103	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.1
104	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1
105	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.0
106	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.0
107	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	.9
108	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.9	.9	.9
109	1.0	.9	.9	.9	.9	.9	.9	.9	.8	.8
110 .....	.9	.9	.8	.8	.8	.8	.8	.8	.8	.8
111 .....	.8	.8	.8	.8	.8	.7	.7	.7	.7	.7
112 .....	.7	.7	.7	.7	.7	.7	.7	.7	.6	.6
113 .....	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
114 .....	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
115 .....	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIAA—ANNUITIES FOR JOINT LIFE ONLY; TWO LIVES—EXPECTED RETURN MULTIPLES

Ages	105	106	107	108	109	110	111	112	113	114	115
105 ..	1.0	1.0	.9	.9	.8	.7	.7	.6	.6	.5	.5
106 ..	1.0	.9	.9	.8	.8	.7	.7	.6	.6	.5	.5
107 ..	.9	.9	.8	.8	.7	.7	.7	.6	.6	.5	.5
108 ..	.9	.8	.8	.8	.7	.7	.6	.6	.5	.5	.5
109 ..	.8	.8	.7	.7	.7	.7	.6	.6	.5	.5	.5
110 ..	.7	.7	.7	.7	.7	.6	.6	.6	.5	.5	.5
111 ..	.7	.7	.7	.6	.6	.6	.6	.5	.5	.5	.5
112 ..	.6	.6	.6	.6	.6	.6	.5	.5	.5	.5	.5
113 ..	.6	.6	.6	.5	.5	.5	.5	.5	.5	.5	.5
114 ..	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
115 ..	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT

Age	Years—									
	1	2	3	4	5	6	7	8	9	10
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0

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TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT—
Continued

Age	Years—									
	1	2	3	4	5	6	7	8	9	10
36	0	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0	1
38	0	0	0	0	0	0	0	0	0	1
39	0	0	0	0	0	0	0	0	1	1
40	0	0	0	0	0	0	0	1	1	1
41	0	0	0	0	0	0	0	1	1	1
42	0	0	0	0	0	0	1	1	1	1
43	0	0	0	0	0	0	1	1	1	1
44	0	0	0	0	0	1	1	1	1	1
45	0	0	0	0	0	1	1	1	1	1
46	0	0	0	0	1	1	1	1	1	1
47	0	0	0	0	1	1	1	1	1	1
48	0	0	0	0	1	1	1	1	1	1
49	0	0	0	1	1	1	1	1	1	2
50	0	0	0	1	1	1	1	1	1	2
51	0	0	0	1	1	1	1	1	2	2
52	0	0	0	1	1	1	1	1	2	2
53	0	0	1	1	1	1	1	2	2	2
54	0	0	1	1	1	1	1	2	2	2
55	0	0	1	1	1	1	2	2	2	2
56	0	0	1	1	1	1	2	2	2	3
57	0	0	1	1	1	2	2	2	3	3
58	0	1	1	1	1	2	2	2	3	3
59	0	1	1	1	1	2	2	3	3	4
60	0	1	1	1	2	2	2	3	3	4
61	0	1	1	1	2	2	3	3	4	4
62	0	1	1	2	2	2	3	4	4	5
63	0	1	1	2	2	3	3	4	5	5
64	0	1	1	2	2	3	4	4	5	6
65	0	1	2	2	3	3	4	5	6	6
66	1	1	2	2	3	4	5	5	6	7
67	1	1	2	3	3	4	5	6	7	8
68	1	1	2	3	4	5	6	7	8	9
69	1	1	2	3	4	5	6	7	8	10
70	1	2	3	4	5	6	7	8	9	11
71	1	2	3	4	5	6	8	9	10	12
72	1	2	3	4	6	7	8	10	11	13
73	1	2	4	5	6	8	9	11	13	14
74	1	3	4	5	7	9	10	12	14	16
75	1	3	4	6	8	9	11	13	15	17
76	2	3	5	7	9	10	12	15	17	19
77	2	4	5	7	9	12	14	16	18	21
78	2	4	6	8	10	13	15	18	20	23
79	2	4	7	9	11	14	17	19	22	25
80	2	5	7	10	13	15	18	21	24	27
81	3	5	8	11	14	17	20	23	26	29
82	3	6	9	12	15	19	22	25	28	32
83	3	7	10	13	17	20	24	27	31	34
84	4	7	11	15	19	22	26	30	33	37
85	4	8	12	16	20	24	28	32	36	40
86	4	9	13	18	22	27	31	35	39	42
87	5	10	15	20	24	29	33	37	41	45
88	5	11	16	21	26	31	36	40	44	48
89	6	12	18	23	28	33	38	43	47	50
90	7	13	19	25	31	36	41	45	49	53
91	7	14	21	27	33	38	43	48	52	55
92	8	15	22	29	35	40	45	50	54	58
93	9	17	24	31	37	43	48	52	56	60
94	9	18	26	33	39	45	50	54	58	62
95	10	19	27	35	41	47	52	57	60	64
96	11	20	29	36	43	49	54	59	62	66
97	11	21	30	38	45	51	56	61	64	68
98	12	23	32	40	47	53	58	63	66	69
99	13	24	34	42	49	55	60	65	68	71
100	14	26	36	44	52	58	63	67	70	73
101	14	27	38	47	54	60	65	69	72	75
102	15	29	40	49	56	62	67	71	74	77
103	17	31	42	52	59	65	69	73	76	78
104	18	33	45	55	62	67	72	75	78	80

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TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT—
Continued

Age	Years—									
	1	2	3	4	5	6	7	8	9	10
105	19	36	48	58	65	70	74	77	80	82
106	21	38	51	61	68	73	77	79	82	84
107	23	42	55	64	71	75	79	81	84	85
108	25	45	58	67	73	78	81	83	85	87
109	28	49	62	71	76	80	83	85	87	88
110	31	52	66	74	79	82	85	87	88	89
111	34	57	70	77	82	85	87	88	90	91
112	37	61	73	80	84	87	88	90	91	92
113	41	66	77	83	86	88	90	91	92	93
114	45	70	80	85	88	90	92	93	93	94
115	50	75	83	88	90	92	93	94	94	95

TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT

Age	Years—									
	11	12	13	14	15	16	17	18	19	20
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	1	1
23	0	0	0	0	0	0	0	1	1	1
24	0	0	0	0	0	0	0	1	1	1
25	0	0	0	0	0	0	1	1	1	1
26	0	0	0	0	0	0	1	1	1	1
27	0	0	0	0	0	1	1	1	1	1
28	0	0	0	0	1	1	1	1	1	1
29	0	0	0	0	1	1	1	1	1	1
30	0	0	0	1	1	1	1	1	1	1
31	0	0	0	1	1	1	1	1	1	1
32	0	0	1	1	1	1	1	1	1	1
33	0	0	1	1	1	1	1	1	1	1
34	0	1	1	1	1	1	1	1	1	1
35	0	1	1	1	1	1	1	1	1	1
36	1	1	1	1	1	1	1	1	1	1
37	1	1	1	1	1	1	1	1	1	1
38	1	1	1	1	1	1	1	1	1	2
39	1	1	1	1	1	1	1	1	2	2
40	1	1	1	1	1	1	1	2	2	2
41	1	1	1	1	1	1	2	2	2	2
42	1	1	1	1	1	2	2	2	2	2
43	1	1	1	1	2	2	2	2	2	3
44	1	1	1	2	2	2	2	2	3	3
45	1	1	2	2	2	2	2	3	3	3
46	1	2	2	2	2	2	3	3	3	3
47	1	2	2	2	2	2	3	3	3	4
48	2	2	2	2	2	3	3	3	4	4
49	2	2	2	2	3	3	3	4	4	4
50	2	2	2	3	3	3	3	4	4	5
51	2	2	3	3	3	3	4	4	4	5
52	2	2	3	3	3	4	4	5	5	5
53	2	3	3	3	4	4	5	5	5	6
54	3	3	3	4	4	4	5	5	6	7
55	3	3	4	4	4	5	5	6	7	7

TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT—
Continued

Age	Years—									
	11	12	13	14	15	16	17	18	19	20
56	3	3	4	4	5	5	6	7	7	8
57	3	4	4	5	5	6	6	7	8	9
58	4	4	5	5	6	6	7	8	9	9
59	4	5	5	6	6	7	8	9	9	10
60	4	5	6	6	7	8	9	10	10	11
61	5	6	6	7	8	9	10	10	11	13
62	5	6	7	8	9	10	11	12	13	14
63	6	7	8	9	10	11	12	13	14	15
64	7	8	8	9	10	12	13	14	15	17
65	7	8	9	10	12	13	14	15	17	18
66	8	9	10	12	13	14	15	17	18	20
67	9	10	11	13	14	15	17	18	20	22
68	10	11	13	14	15	17	19	20	22	24
69	11	12	14	15	17	19	20	22	24	26
70	12	14	15	17	19	20	22	24	26	28
71	13	15	17	18	20	22	24	26	28	30
72	15	17	18	20	22	24	26	28	30	32
73	16	18	20	22	24	26	28	31	33	35
74	18	20	22	24	26	28	31	33	35	37
75	19	22	24	26	28	31	33	35	38	40
76	21	24	26	28	31	33	36	38	40	43
77	23	26	28	31	33	36	38	41	43	45
78	25	28	31	33	36	38	41	43	46	48
79	28	30	33	36	38	41	44	46	48	51
80	30	33	36	38	41	44	46	49	51	53
81	32	35	38	41	44	47	49	51	54	56
82	35	38	41	44	47	49	52	54	56	58
83	38	41	44	47	49	52	54	57	59	61
84	40	44	47	49	52	55	57	59	61	63
85	43	46	49	52	55	57	59	62	63	65
86	46	49	52	55	57	60	62	64	66	67
87	48	52	55	57	60	62	64	66	68	69
88	51	54	57	60	62	64	66	68	70	71
89	54	57	60	62	65	67	68	70	72	73
90	56	59	62	64	67	69	70	72	74	75
91	59	62	64	67	69	71	72	74	75	76
92	61	64	66	69	71	72	74	75	77	78
93	63	66	68	70	72	74	75	77	78	79
94	65	68	70	72	74	75	77	78	79	80
95	67	69	72	74	75	77	78	79	81	82
96	69	71	73	75	77	78	80	81	82	83
97	70	73	75	77	78	80	81	82	83	84
98	72	74	76	78	79	81	82	83	84	85
99	74	76	78	79	81	82	83	84	85	86
100	75	78	79	81	82	83	84	85	86	86
101	77	79	81	82	83	84	85	86	87	87
102	79	81	82	83	84	85	86	87	88	88
103	80	82	83	85	86	87	87	88	89	89
104	82	84	85	86	87	88	88	89	90	90
105	84	85	86	87	88	89	89	90	90	91
106	85	86	87	88	89	90	90	91	91	92
107	87	88	89	89	90	91	91	92	92	93
108	88	89	90	90	91	92	92	93	93	93
109	89	90	91	92	92	93	93	93	94	94
110	90	91	92	92	93	93	94	94	94	95
111	92	92	93	93	94	94	95	95	95	95
112	93	93	94	94	95	95	95	96	96	96
113	94	94	95	95	95	96	96	96	96	97
114	95	95	95	96	96	96	97	97	97	97
115	95	96	96	96	97	97	97	97	97	98

TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT

Age	Years—									
	21	22	23	24	25	26	27	28	29	30
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0

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TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT—
Continued

Age	Years—									
	21	22	23	24	25	26	27	28	29	30
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	1	1
10	0	0	0	0	0	0	0	1	1	1
11	0	0	0	0	0	0	1	1	1	1
12	0	0	0	0	0	0	1	1	1	1
13	0	0	0	0	0	1	1	1	1	1
14	0	0	0	0	1	1	1	1	1	1
15	0	0	0	1	1	1	1	1	1	1
16	0	0	1	1	1	1	1	1	1	1
17	0	0	1	1	1	1	1	1	1	1
18	0	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	2
28	1	1	1	1	1	1	1	1	2	2
29	1	1	1	1	1	1	1	2	2	2
30	1	1	1	1	1	1	2	2	2	2
31	1	1	1	1	1	2	2	2	2	2
32	1	1	1	1	2	2	2	2	2	2
33	1	1	1	2	2	2	2	2	2	2
34	1	1	2	2	2	2	2	2	2	3
35	1	2	2	2	2	2	2	2	3	3
36	2	2	2	2	2	2	2	3	3	3
37	2	2	2	2	2	2	3	3	3	3
38	2	2	2	2	2	3	3	3	3	4
39	2	2	2	2	3	3	3	3	4	4
40	2	2	3	3	3	3	3	4	4	4
41	2	3	3	3	3	3	4	4	4	5
42	3	3	3	3	3	4	4	4	5	5
43	3	3	3	4	4	4	4	5	5	6
44	3	3	4	4	4	4	5	5	6	6
45	3	4	4	4	5	5	5	6	6	7
46	4	4	4	5	5	5	6	6	7	7
47	4	4	5	5	5	6	6	7	7	8
48	4	5	5	5	6	6	7	7	8	9
49	5	5	5	6	6	7	8	8	9	10
50	5	5	6	6	7	8	8	9	10	10
51	5	6	6	7	8	8	9	10	11	11
52	6	7	7	8	8	9	10	11	11	12
53	7	7	8	8	9	10	11	12	13	14
54	7	8	8	9	10	11	12	13	14	15
55	8	9	9	10	11	12	13	14	15	16
56	9	9	10	11	12	13	14	15	16	18
57	9	10	11	12	13	14	15	17	18	19
58	10	11	12	13	14	16	17	18	19	21
59	11	12	13	15	16	17	18	20	21	22
60	12	14	15	16	17	19	20	21	23	24
61	14	15	16	17	19	20	22	23	25	26
62	15	16	18	19	20	22	23	25	27	28
63	16	18	19	21	22	24	25	27	29	30
64	18	19	21	23	24	26	28	29	31	33
65	20	21	23	25	26	28	30	31	33	35
66	21	23	25	27	28	30	32	34	35	37
67	23	25	27	29	31	32	34	36	38	40
68	25	27	29	31	33	35	37	38	40	42
69	28	29	31	33	35	37	39	41	43	44
70	30	32	34	36	38	40	42	43	45	47
71	32	34	36	38	40	42	44	46	47	49
72	35	37	39	41	43	45	46	48	50	51
73	37	39	41	43	45	47	49	51	52	54
74	40	42	44	46	48	50	51	53	54	56
75	42	44	46	48	50	52	54	55	57	58

TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT—
Continued

Age	Years—									
	21	22	23	24	25	26	27	28	29	30
76	45	47	49	51	53	54	56	58	59	60
77	47	50	51	53	55	57	58	60	61	62
78	50	52	54	56	57	59	61	62	63	64
79	53	55	56	58	60	61	63	64	65	66
80	55	57	59	60	62	63	65	66	67	68
81	58	59	61	63	64	66	67	68	69	70
82	60	62	63	65	66	68	69	70	71	72
83	62	64	66	67	68	70	71	72	73	74
84	65	66	68	69	70	71	72	73	74	75
85	67	68	70	71	72	73	74	75	76	77
86	69	70	72	73	74	75	76	77	77	78
87	71	72	73	75	76	76	77	78	79	80
88	73	74	75	76	77	78	79	80	80	81
89	74	76	77	78	79	79	80	81	81	82
90	76	77	78	79	80	81	81	82	83	83
91	78	79	79	80	81	82	83	83	84	84
92	79	80	81	82	82	83	84	84	85	85
93	80	81	82	83	83	84	85	85	86	86
94	81	82	83	84	84	85	85	86	86	87
95	82	83	84	85	85	86	86	87	87	88
96	83	84	85	86	86	87	87	88	88	88
97	84	85	86	86	87	87	88	88	89	89
98	85	86	87	87	88	88	89	89	89	90
99	86	87	87	88	88	89	89	90	90	90
100	87	88	88	89	89	90	90	90	91	91
101	88	89	89	90	90	90	91	91	91	92
102	89	89	90	90	91	91	91	92	92	92
103	90	90	91	91	91	92	92	92	93	93
104	91	91	91	92	92	92	93	93	93	93
105	91	92	92	92	93	93	93	94	94	94
106	92	93	93	93	93	94	94	94	94	95
107	93	93	94	94	94	94	95	95	95	95
108	94	94	94	94	95	95	95	95	95	96
109	94	95	95	95	95	95	96	96	96	96
110	95	95	95	96	96	96	96	96	96	96
111	96	96	96	96	96	96	97	97	97	97
112	96	96	96	97	97	97	97	97	97	97
113	97	97	97	97	97	97	97	98	98	98
114	97	97	97	98	98	98	98	98	98	98
115	98	98	98	98	98	98	98	98	98	98

TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT

Age	Years—									
	31	32	33	34	35	36	37	38	39	40
5	0	1	1	1	1	1	1	1	1	1
6	0	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	2	2
20	1	1	1	1	1	1	1	2	2	2
21	1	1	1	1	1	1	2	2	2	2
22	1	1	1	1	1	2	2	2	2	2
23	1	1	1	2	2	2	2	2	2	2
24	1	1	2	2	2	2	2	2	2	2
25	1	2	2	2	2	2	2	2	2	3
26	2	2	2	2	2	2	2	2	3	3

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TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT—
Continued

Age	Years—									
	31	32	33	34	35	36	37	38	39	40
27	2	2	2	2	2	2	2	3	3	3
28	2	2	2	2	2	2	3	3	3	3
29	2	2	2	2	2	3	3	3	3	4
30	2	2	2	3	3	3	3	3	4	4
31	2	2	3	3	3	3	3	4	4	4
32	2	3	3	3	3	3	4	4	4	5
33	3	3	3	3	3	4	4	4	5	5
34	3	3	3	3	4	4	4	5	5	5
35	3	3	3	4	4	4	5	5	5	6
36	3	4	4	4	4	5	5	5	6	6
37	4	4	4	4	5	5	6	6	6	7
38	4	4	5	5	5	6	6	7	7	8
39	4	5	5	5	6	6	7	7	8	8
40	5	5	5	6	6	7	7	8	8	9
41	5	5	6	6	7	7	8	9	9	10
42	6	6	6	7	7	8	9	9	10	11
43	6	7	7	8	8	9	9	10	11	12
44	7	7	8	8	9	10	10	11	12	13
45	7	8	8	9	10	10	11	12	13	14
46	8	9	9	10	11	11	12	13	14	15
47	9	9	10	11	12	12	13	14	15	16
48	9	10	11	12	13	14	15	16	17	18
49	10	11	12	13	14	15	16	17	18	19
50	11	12	13	14	15	16	17	18	20	21
51	12	13	14	15	16	17	19	20	21	22
52	13	14	15	17	18	19	20	21	23	24
53	15	16	17	18	19	20	22	23	24	26
54	16	17	18	19	21	22	23	25	26	28
55	17	18	20	21	22	24	25	27	28	30
56	19	20	21	23	24	26	27	29	30	32
57	20	22	23	25	26	28	29	31	32	34
58	22	24	25	27	28	30	31	33	34	36
59	24	25	27	28	30	32	33	35	36	38
60	26	27	29	31	32	34	35	37	38	40
61	28	29	31	33	34	36	37	39	40	42
62	30	32	33	35	36	38	40	41	42	44
63	32	34	35	37	39	40	42	43	45	46
64	34	36	38	39	41	42	44	45	47	48
65	37	38	40	42	43	45	46	47	49	50
66	39	41	42	44	45	47	48	50	51	52
67	41	43	45	46	48	49	50	52	53	54
68	44	45	47	48	50	51	52	54	55	56
69	46	48	49	51	52	53	54	56	57	58
70	48	50	51	53	54	55	57	58	59	60
71	51	52	54	55	56	57	59	60	61	62
72	53	54	56	57	58	59	60	62	62	63
73	55	57	58	59	60	61	62	63	64	65
74	57	59	60	61	62	63	64	65	66	67
75	59	61	62	63	64	65	66	67	68	69
76	62	63	64	65	66	67	68	69	69	70
77	64	65	66	67	68	69	70	70	71	72
78	66	67	68	69	70	70	71	72	73	73
79	67	68	69	70	71	72	73	73	74	75
80	69	70	71	72	73	74	74	75	76	76
81	71	72	73	74	74	75	76	76	77	78
82	73	74	74	75	76	77	77	78	78	79
83	74	75	76	77	77	78	79	79	80	80
84	76	77	77	78	79	79	80	80	81	81
85	78	78	79	79	80	81	81	82	82	83
86	79	80	80	81	81	82	82	83	83	84
87	80	81	81	82	83	83	83	84	84	85
88	82	82	83	83	84	84	85	85	85	86
89	83	83	84	84	85	85	85	86	86	87
90	84	84	85	85	86	86	86	87	87	87
91	85	85	86	86	87	87	87	88	88	88
92	86	86	87	87	87	88	88	88	89	89
93	87	87	87	88	88	88	89	89	89	90
94	87	88	88	88	89	89	89	90	90	90
95	88	88	89	89	89	90	90	90	91	91

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TABLE VII—PERCENT VALUE OF REFUND FEATURE; DURATION OF GUARANTEED AMOUNT—
Continued

Age	Years—									
	31	32	33	34	35	36	37	38	39	40
96	89	89	89	90	90	90	91	91	91	91
97	89	90	90	90	91	91	91	91	92	92
98	90	90	91	91	91	91	92	92	92	92
99	91	91	91	92	92	92	92	92	93	93
100	91	92	92	92	92	92	93	93	93	93
101	92	92	92	93	93	93	93	93	94	94
102	92	93	93	93	93	94	94	94	94	94
103	93	93	93	94	94	94	94	94	94	95
104	94	94	94	94	94	95	95	95	95	95
105	94	94	95	95	95	95	95	95	95	95
106	95	95	95	95	95	95	96	96	96	96
107	95	95	96	96	96	96	96	96	96	96
108	96	96	96	96	96	96	96	96	97	97
109	96	96	96	97	97	97	97	97	97	97
110	97	97	97	97	97	97	97	97	97	97
111	97	97	97	97	97	97	98	98	98	98
112	97	97	98	98	98	98	98	98	98	98
113	98	98	98	98	98	98	98	98	98	98
114	98	98	98	98	98	98	98	98	98	99
115	98	98	98	99	99	99	99	99	99	99

TABLE VIII—TEMPORARY LIFE ANNUITIES; ¹ ONE LIFE—EXPECTED RETURN MULTIPLES

[See footnote at end of tables]

Temporary Period—Maximum Duration of Annuity

Age	Years—									
	1	2	3	4	5	6	7	8	9	10
5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
6	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
7	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
8	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
9	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
10	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
11	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
12	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
13	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
14	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
15	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
16	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
17	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
18	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
19	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
20	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
21	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
22	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
23	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
24	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
25	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
26	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
27	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
28	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
29	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
30	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
31	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
32	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
33	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
34	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
35	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
36	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
37	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
38	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
39	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
40	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
41	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
42	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	9.9
43	1.0	2.0	3.0	4.0	5.0	6.0	7.0	7.9	8.9	9.9

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TABLE VIII—TEMPORARY LIFE ANNUITIES; ¹ ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

[See footnote at end of tables]
 Temporary Period—Maximum Duration of Annuity

Age	Years—									
	1	2	3	4	5	6	7	8	9	10
44	1.0	2.0	3.0	4.0	5.0	6.0	7.0	7.9	8.9	9.9
45	1.0	2.0	3.0	4.0	5.0	6.0	7.0	7.9	8.9	9.9
46	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.9	9.9
47	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.9	9.9
48	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.9	9.9
49	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.9	9.8
50	1.0	2.0	3.0	4.0	5.0	5.9	6.9	7.9	8.9	9.8
51	1.0	2.0	3.0	4.0	5.0	5.9	6.9	7.9	8.9	9.8
52	1.0	2.0	3.0	4.0	5.0	5.9	6.9	7.9	8.8	9.8
53	1.0	2.0	3.0	4.0	5.0	5.9	6.9	7.9	8.8	9.8
54	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.9	8.8	9.8
55	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.8	9.7
56	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.8	9.7
57	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.8	9.7
58	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.7	9.7
59	1.0	2.0	3.0	4.0	4.9	5.9	6.8	7.8	8.7	9.6
60	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.8	8.7	9.6
61	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.7	8.7	9.6
62	1.0	2.0	3.0	3.9	4.9	5.8	6.8	7.7	8.6	9.5
63	1.0	2.0	3.0	3.9	4.9	5.8	6.8	7.7	8.6	9.5
64	1.0	2.0	3.0	3.9	4.9	5.8	6.7	7.6	8.5	9.4
65	1.0	2.0	3.0	3.9	4.9	5.8	6.7	7.6	8.5	9.3
66	1.0	2.0	2.9	3.9	4.8	5.8	6.7	7.6	8.4	9.3
67	1.0	2.0	2.9	3.9	4.8	5.7	6.6	7.5	8.4	9.2
68	1.0	2.0	2.9	3.9	4.8	5.7	6.6	7.5	8.3	9.1
69	1.0	2.0	2.9	3.9	4.8	5.7	6.6	7.4	8.2	9.0
70	1.0	2.0	2.9	3.9	4.8	5.6	6.5	7.3	8.1	8.9
71	1.0	2.0	2.9	3.8	4.7	5.6	6.5	7.3	8.1	8.8
72	1.0	2.0	2.9	3.8	4.7	5.6	6.4	7.2	8.0	8.7
73	1.0	2.0	2.9	3.8	4.7	5.5	6.3	7.1	7.9	8.6
74	1.0	1.9	2.9	3.8	4.6	5.5	6.3	7.0	7.7	8.4
75	1.0	1.9	2.9	3.8	4.6	5.4	6.2	6.9	7.6	8.3
76	1.0	1.9	2.8	3.7	4.6	5.4	6.1	6.8	7.5	8.1
77	1.0	1.9	2.8	3.7	4.5	5.3	6.0	6.7	7.3	7.9
78	1.0	1.9	2.8	3.7	4.5	5.2	5.9	6.6	7.2	7.7
79	1.0	1.9	2.8	3.6	4.4	5.1	5.8	6.4	7.0	7.5
80	1.0	1.9	2.8	3.6	4.4	5.1	5.7	6.3	6.8	7.3
81	1.0	1.9	2.8	3.6	4.3	5.0	5.6	6.1	6.6	7.0
82	1.0	1.9	2.7	3.5	4.2	4.9	5.4	6.0	6.4	6.8
83	1.0	1.9	2.7	3.5	4.1	4.8	5.3	5.8	6.2	6.5
84	1.0	1.8	2.7	3.4	4.1	4.6	5.2	5.6	6.0	6.3
85	1.0	1.8	2.6	3.3	4.0	4.5	5.0	5.4	5.7	6.0
86	1.0	1.8	2.6	3.3	3.9	4.4	4.8	5.2	5.5	5.7
87 .....	.9	1.8	2.5	3.2	3.8	4.3	4.7	5.0	5.3	5.5
88 .....	.9	1.8	2.5	3.1	3.7	4.1	4.5	4.8	5.0	5.2
89 .....	.9	1.8	2.5	3.1	3.6	4.0	4.3	4.6	4.8	4.9
90 .....	.9	1.7	2.4	3.0	3.4	3.8	4.1	4.4	4.5	4.7
91 .....	.9	1.7	2.4	2.9	3.3	3.7	4.0	4.2	4.3	4.4
92 .....	.9	1.7	2.3	2.8	3.2	3.5	3.8	4.0	4.1	4.2
93 .....	.9	1.7	2.3	2.7	3.1	3.4	3.6	3.8	3.9	4.0
94 .....	.9	1.6	2.2	2.7	3.0	3.3	3.5	3.6	3.7	3.8
95 .....	.9	1.6	2.2	2.6	2.9	3.1	3.3	3.4	3.5	3.6
96 .....	.9	1.6	2.1	2.5	2.8	3.0	3.2	3.3	3.3	3.4
97 .....	.9	1.6	2.1	2.4	2.7	2.9	3.0	3.1	3.2	3.2
98 .....	.9	1.5	2.0	2.4	2.6	2.8	2.9	3.0	3.0	3.0
99 .....	.9	1.5	2.0	2.3	2.5	2.6	2.7	2.8	2.8	2.8
100 .....	.9	1.5	1.9	2.2	2.4	2.5	2.6	2.6	2.6	2.7
101 .....	.8	1.4	1.8	2.1	2.3	2.4	2.4	2.5	2.5	2.5
102 .....	.8	1.4	1.8	2.0	2.1	2.2	2.3	2.3	2.3	2.3
103 .....	.8	1.4	1.7	1.9	2.0	2.1	2.1	2.1	2.1	2.1
104 .....	.8	1.3	1.6	1.8	1.9	1.9	1.9	1.9	1.9	1.9
105 .....	.8	1.3	1.5	1.7	1.7	1.8	1.8	1.8	1.8	1.8
106 .....	.8	1.2	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.6
107 .....	.7	1.1	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1087	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
1097	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1107	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1116	.8	.9	.9	.9	.9	.9	.9	.9	.9

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TABLE VIII—TEMPORARY LIFE ANNUITIES;¹ ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

[See footnote at end of tables]
Temporary Period—Maximum Duration of Annuity

Age	Years—									
	1	2	3	4	5	6	7	8	9	10
112 .....	.6	.7	.8	.8	.8	.8	.8	.8	.8	.8
113 .....	.6	.6	.7	.7	.7	.7	.7	.7	.7	.7
114 .....	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6
115 .....	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIII—TEMPORARY LIFE ANNUITIES;¹ ONE LIFE—EXPECTED RETURN MULTIPLES

[See footnote at end of tables]
Temporary Period—Maximum Duration of Annuity

Age	Years—									
	11	12	13	14	15	16	17	18	19	20
5	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	19.9
6	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	19.9
7	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	19.9
8	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	18.9	19.9
9	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	18.9	19.9
10	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	18.9	19.9
11	11.0	12.0	13.0	14.0	15.0	16.0	17.0	17.9	18.9	19.9
12	11.0	12.0	13.0	14.0	15.0	16.0	17.0	17.9	18.9	19.9
13	11.0	12.0	13.0	14.0	15.0	16.0	17.0	17.9	18.9	19.9
14	11.0	12.0	13.0	14.0	15.0	16.0	16.9	17.9	18.9	19.9
15	11.0	12.0	13.0	14.0	15.0	16.0	16.9	17.9	18.9	19.9
16	11.0	12.0	13.0	14.0	15.0	16.0	16.9	17.9	18.9	19.9
17	11.0	12.0	13.0	14.0	15.0	15.9	16.9	17.9	18.9	19.9
18	11.0	12.0	13.0	14.0	15.0	15.9	16.9	17.9	18.9	19.9
19	11.0	12.0	13.0	14.0	15.0	15.9	16.9	17.9	18.9	19.9
20	11.0	12.0	13.0	14.0	14.9	15.9	16.9	17.9	18.9	19.9
21	11.0	12.0	13.0	14.0	14.9	15.9	16.9	17.9	18.9	19.9
22	11.0	12.0	13.0	14.0	14.9	15.9	16.9	17.9	18.9	19.9
23	11.0	12.0	13.0	13.9	14.9	15.9	16.9	17.9	18.9	19.9
24	11.0	12.0	13.0	13.9	14.9	15.9	16.9	17.9	18.9	19.9
25	11.0	12.0	13.0	13.9	14.9	15.9	16.9	17.9	18.9	19.9
26	11.0	12.0	12.9	13.9	14.9	15.9	16.9	17.9	18.9	19.9
27	11.0	12.0	12.9	13.9	14.9	15.9	16.9	17.9	18.9	19.9
28	11.0	12.0	12.9	13.9	14.9	15.9	16.9	17.9	18.9	19.8
29	11.0	12.0	12.9	13.9	14.9	15.9	16.9	17.9	18.9	19.8
30	11.0	11.9	12.9	13.9	14.9	15.9	16.9	17.9	18.8	19.8
31	11.0	11.9	12.9	13.9	14.9	15.9	16.9	17.9	18.8	19.8
32	11.0	11.9	12.9	13.9	14.9	15.9	16.9	17.8	18.8	19.8
33	11.0	11.9	12.9	13.9	14.9	15.9	16.9	17.8	18.8	19.8
34	10.9	11.9	12.9	13.9	14.9	15.9	16.8	17.8	18.8	19.8
35	10.9	11.9	12.9	13.9	14.9	15.9	16.8	17.8	18.8	19.7
36	10.9	11.9	12.9	13.9	14.9	15.8	16.8	17.8	18.8	19.7
37	10.9	11.9	12.9	13.9	14.9	15.8	16.8	17.8	18.7	19.7
38	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.8	18.7	19.7
39	10.9	11.9	12.9	13.9	14.8	15.8	16.8	17.7	18.7	19.6
40	10.9	11.9	12.9	13.8	14.8	15.8	16.7	17.7	18.7	19.6
41	10.9	11.9	12.9	13.8	14.8	15.8	16.7	17.7	18.6	19.6
42	10.9	11.9	12.8	13.8	14.8	15.7	16.7	17.6	18.6	19.5
43	10.9	11.9	12.8	13.8	14.8	15.7	16.7	17.6	18.6	19.5
44	10.9	11.8	12.8	13.8	14.7	15.7	16.6	17.6	18.5	19.4
45	10.9	11.8	12.8	13.8	14.7	15.7	16.6	17.5	18.5	19.4
46	10.9	11.8	12.8	13.7	14.7	15.6	16.6	17.5	18.4	19.3
47	10.8	11.8	12.8	13.7	14.7	15.6	16.5	17.5	18.4	19.3
48	10.8	11.8	12.7	13.7	14.6	15.6	16.5	17.4	18.3	19.2
49	10.8	11.8	12.7	13.7	14.6	15.5	16.4	17.4	18.3	19.2
50	10.8	11.7	12.7	13.6	14.6	15.5	16.4	17.3	18.2	19.1
51	10.8	11.7	12.7	13.6	14.5	15.4	16.3	17.2	18.1	19.0
52	10.8	11.7	12.6	13.6	14.5	15.4	16.3	17.2	18.0	18.9
53	10.7	11.7	12.6	13.5	14.4	15.3	16.2	17.1	18.0	18.8
54	10.7	11.6	12.6	13.5	14.4	15.3	16.2	17.0	17.9	18.7
55	10.7	11.6	12.5	13.4	14.3	15.2	16.1	16.9	17.8	18.6
56	10.7	11.6	12.5	13.4	14.3	15.1	16.0	16.8	17.6	18.4
57	10.6	11.5	12.4	13.3	14.2	15.1	15.9	16.7	17.5	18.3
58	10.6	11.5	12.4	13.3	14.1	15.0	15.8	16.6	17.4	18.1

Internal Revenue Service, Treasury

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TABLE VIII—TEMPORARY LIFE ANNUITIES;¹ ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

[See footnote at end of tables]
 Temporary Period—Maximum Duration of Annuity

Age	Years—									
	11	12	13	14	15	16	17	18	19	20
59	10.6	11.4	12.3	13.2	14.0	14.9	15.7	16.4	17.2	17.9
60	10.5	11.4	12.3	13.1	13.9	14.7	15.5	16.3	17.0	17.7
61	10.5	11.3	12.2	13.0	13.8	14.6	15.4	16.1	16.8	17.5
62	10.4	11.3	12.1	12.9	13.7	14.5	15.2	15.9	16.6	17.2
63	10.3	11.2	12.0	12.8	13.6	14.3	15.0	15.7	16.3	17.0
64	10.3	11.1	11.9	12.7	13.4	14.1	14.8	15.5	16.1	16.7
65	10.2	11.0	11.8	12.5	13.2	13.9	14.6	15.2	15.8	16.3
66	10.1	10.9	11.6	12.4	13.1	13.7	14.4	14.9	15.5	16.0
67	10.0	10.8	11.5	12.2	12.9	13.5	14.1	14.7	15.2	15.6
68	9.9	10.6	11.4	12.0	12.7	13.3	13.8	14.3	14.8	15.3
69	9.8	10.5	11.2	11.8	12.4	13.0	13.5	14.0	14.4	14.8
70	9.6	10.3	11.0	11.6	12.2	12.7	13.2	13.7	14.0	14.4
71	9.5	10.2	10.8	11.4	11.9	12.4	12.9	13.3	13.6	13.9
72	9.4	10.0	10.6	11.2	11.7	12.1	12.5	12.9	13.2	13.5
73	9.2	9.8	10.4	10.9	11.4	11.8	12.1	12.5	12.7	13.0
74	9.0	9.6	10.1	10.6	11.0	11.4	11.7	12.0	12.3	12.5
75	8.8	9.4	9.9	10.3	10.7	11.0	11.3	11.6	11.8	12.0
76	8.6	9.1	9.6	10.0	10.3	10.6	10.9	11.1	11.3	11.4
77	8.4	8.9	9.3	9.7	10.0	10.2	10.5	10.6	10.8	10.9
78	8.2	8.6	9.0	9.3	9.6	9.8	10.0	10.2	10.3	10.4
79	7.9	8.3	8.7	9.0	9.2	9.4	9.5	9.7	9.8	9.8
80	7.7	8.0	8.3	8.6	8.8	9.0	9.1	9.2	9.3	9.3
81	7.4	7.7	8.0	8.2	8.4	8.5	8.6	8.7	8.8	8.8
82	7.1	7.4	7.6	7.8	8.0	8.1	8.2	8.2	8.3	8.3
83	6.8	7.1	7.3	7.4	7.5	7.6	7.7	7.8	7.8	7.8
84	6.5	6.7	6.9	7.0	7.1	7.2	7.3	7.3	7.3	7.4
85	6.2	6.4	6.6	6.7	6.7	6.8	6.8	6.9	6.9	6.9
86	5.9	6.1	6.2	6.3	6.4	6.4	6.4	6.5	6.5	6.5
87	5.6	5.8	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
88	5.3	5.4	5.5	5.6	5.6	5.6	5.7	5.7	5.7	5.7
89	5.1	5.1	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3
90	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0
91	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7
92	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4
93	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
94	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
95	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7
96	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
97	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
98	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
99	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
100	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
101	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
102	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
103	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
104	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
106	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
107	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
108	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
112	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
113	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
114	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
115	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIII—TEMPORARY LIFE ANNUITIES;¹ ONE LIFE—EXPECTED RETURN MULTIPLES

[See footnote at end of tables]
 Temporary Period—Maximum Duration of Annuity

Age	Years—									
	21	22	23	24	25	26	27	28	29	30
5	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.9

TABLE VIII—TEMPORARY LIFE ANNUITIES; ¹ ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

[See footnote at end of tables]
 Temporary Period—Maximum Duration of Annuity

Age	Years—									
	21	22	23	24	25	26	27	28	29	30
6	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.9
7	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.9
8	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.8
9	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.9	29.8
10	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.8	29.8
11	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.9	28.8	29.8
12	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.8	28.8	29.8
13	20.9	21.9	22.9	23.9	24.9	25.9	26.9	27.8	28.8	29.8
14	20.9	21.9	22.9	23.9	24.9	25.9	26.8	27.8	28.8	29.8
15	20.9	21.9	22.9	23.9	24.9	25.9	26.8	27.8	28.8	29.8
16	20.9	21.9	22.9	23.9	24.9	25.8	26.8	27.8	28.8	29.8
17	20.9	21.9	22.9	23.9	24.9	25.8	26.8	27.8	28.8	29.8
18	20.9	21.9	22.9	23.9	24.8	25.8	26.8	27.8	28.8	29.7
19	20.9	21.9	22.9	23.9	24.8	25.8	26.8	27.8	28.8	29.7
20	20.9	21.9	22.9	23.8	24.8	25.8	26.8	27.8	28.7	29.7
21	20.9	21.9	22.9	23.8	24.8	25.8	26.8	27.8	28.7	29.7
22	20.9	21.9	22.8	23.8	24.8	25.8	26.8	27.7	28.7	29.7
23	20.9	21.9	22.8	23.8	24.8	25.8	26.7	27.7	28.7	29.7
24	20.9	21.8	22.8	23.8	24.8	25.8	26.7	27.7	28.7	29.6
25	20.9	21.8	22.8	23.8	24.8	25.7	26.7	27.7	28.6	29.6
26	20.8	21.8	22.8	23.8	24.8	25.7	26.7	27.7	28.6	29.6
27	20.8	21.8	22.8	23.8	24.7	25.7	26.7	27.6	28.6	29.5
28	20.8	21.8	22.8	23.7	24.7	25.7	26.6	27.6	28.6	29.5
29	20.8	21.8	22.8	23.7	24.7	25.7	26.6	27.6	28.5	29.5
30	20.8	21.8	22.7	23.7	24.7	25.6	26.6	27.5	28.5	29.4
31	20.8	21.8	22.7	23.7	24.6	25.6	26.6	27.5	28.4	29.4
32	20.8	21.7	22.7	23.7	24.6	25.6	26.5	27.5	28.4	29.3
33	20.8	21.7	22.7	23.6	24.6	25.5	26.5	27.4	28.4	29.3
34	20.7	21.7	22.7	23.6	24.6	25.5	26.4	27.4	28.3	29.2
35	20.7	21.7	22.6	23.6	24.5	25.5	26.4	27.3	28.2	29.2
36	20.7	21.6	22.6	23.5	24.5	25.4	26.3	27.3	28.2	29.1
37	20.7	21.6	22.6	23.5	24.4	25.4	26.3	27.2	28.1	29.0
38	20.6	21.6	22.5	23.4	24.4	25.3	26.2	27.1	28.0	28.9
39	20.6	21.5	22.5	23.4	24.3	25.2	26.1	27.0	27.9	28.8
40	20.6	21.5	22.4	23.3	24.3	25.2	26.1	27.0	27.8	28.7
41	20.5	21.4	22.4	23.3	24.2	25.1	26.0	26.9	27.7	28.6
42	20.5	21.4	22.3	23.2	24.1	25.0	25.9	26.8	27.6	28.5
43	20.4	21.3	22.2	23.2	24.0	24.9	25.8	26.6	27.5	28.3
44	20.4	21.3	22.2	23.1	24.0	24.8	25.7	26.5	27.3	28.2
45	20.3	21.2	22.1	23.0	23.9	24.7	25.6	26.4	27.2	28.0
46	20.2	21.1	22.0	22.9	23.8	24.6	25.4	26.2	27.0	27.8
47	20.2	21.1	21.9	22.8	23.6	24.5	25.3	26.1	26.8	27.6
48	20.1	21.0	21.8	22.7	23.5	24.3	25.1	25.9	26.6	27.4
49	20.0	20.9	21.7	22.6	23.4	24.2	25.0	25.7	26.4	27.1
50	19.9	20.8	21.6	22.4	23.2	24.0	24.8	25.5	26.2	26.9
51	19.8	20.7	21.5	22.3	23.1	23.8	24.6	25.3	25.9	26.6
52	19.7	20.6	21.4	22.1	22.9	23.6	24.3	25.0	25.7	26.3
53	19.6	20.4	21.2	22.0	22.7	23.4	24.1	24.7	25.3	25.9
54	19.5	20.3	21.0	21.8	22.5	23.2	23.8	24.4	25.0	25.6
55	19.3	20.1	20.8	21.6	22.2	22.9	23.5	24.1	24.6	25.2
56	19.2	19.9	20.6	21.3	22.0	22.6	23.2	23.7	24.3	24.7
57	19.0	19.7	20.4	21.1	21.7	22.3	22.8	23.4	23.8	24.3
58	18.8	19.5	20.2	20.8	21.4	21.9	22.5	22.9	23.4	23.8
59	18.6	19.3	19.9	20.5	21.1	21.6	22.0	22.5	22.9	23.2
60	18.4	19.0	19.6	20.2	20.7	21.2	21.6	22.0	22.4	22.7
61	18.1	18.7	19.3	19.8	20.3	20.7	21.1	21.5	21.8	22.1
62	17.8	18.4	18.9	19.4	19.9	20.3	20.6	21.0	21.2	21.5
63	17.5	18.1	18.5	19.0	19.4	19.8	20.1	20.4	20.6	20.8
64	17.2	17.7	18.1	18.6	18.9	19.3	19.5	19.8	20.0	20.2
65	16.8	17.3	17.7	18.1	18.4	18.7	18.9	19.2	19.3	19.5
66	16.5	16.9	17.3	17.6	17.9	18.1	18.3	18.5	18.7	18.8
67	16.1	16.4	16.8	17.1	17.3	17.5	17.7	17.9	18.0	18.1
68	15.6	16.0	16.3	16.5	16.7	16.9	17.1	17.2	17.3	17.4
69	15.2	15.5	15.7	16.0	16.1	16.3	16.4	16.5	16.6	16.7
70	14.7	15.0	15.2	15.4	15.5	15.7	15.8	15.8	15.9	15.9
71	14.2	14.4	14.6	14.8	14.9	15.0	15.1	15.2	15.2	15.2
72	13.7	13.9	14.1	14.2	14.3	14.4	14.4	14.5	14.5	14.5
73	13.2	13.3	13.5	13.6	13.7	13.7	13.8	13.8	13.8	13.9

Internal Revenue Service, Treasury

§ 1.72-9

TABLE VIII—TEMPORARY LIFE ANNUITIES;¹ ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

[See footnote at end of tables]
Temporary Period—Maximum Duration of Annuity

Age	Years—									
	21	22	23	24	25	26	27	28	29	30
74	12.6	12.8	12.9	13.0	13.0	13.1	13.1	13.1	13.2	13.2
75	12.1	12.2	12.3	12.4	12.4	12.5	12.5	12.5	12.5	12.5
76	11.5	11.6	11.7	11.8	11.8	11.8	11.8	11.9	11.9	11.9
77	11.0	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2
78	10.4	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6
79	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
80	9.4	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5
81	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
83	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
84	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
86	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
88	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
89	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
90	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
91	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
92	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
93	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
94	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
95	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
96	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
97	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
98	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
99	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
100	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
101	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
102	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
103	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
104	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
106	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
107	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
108	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
112	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
113	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
114	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
115	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

TABLE VIII—TEMPORARY LIFE ANNUITIES;¹ ONE LIFE—EXPECTED RETURN MULTIPLES

[See footnote at end of tables]
Temporary Period—Maximum Duration of Annuity

Age	Years—									
	31	32	33	34	35	36	37	38	39	40
5	30.8	31.8	32.8	33.8	34.8	35.8	36.8	37.7	38.7	39.7
6	30.8	31.8	32.8	33.8	34.8	35.8	36.8	37.7	38.7	39.7
7	30.8	31.8	32.8	33.8	34.8	35.8	36.7	37.7	38.7	39.7
8	30.8	31.8	32.8	33.8	34.8	35.7	36.7	37.7	38.7	39.7
9	30.8	31.8	32.8	33.8	34.8	35.7	36.7	37.7	38.7	39.6
10	30.8	31.8	32.8	33.8	34.7	35.7	36.7	37.7	38.6	39.6
11	30.8	31.8	32.8	33.8	34.7	35.7	36.7	37.7	38.6	39.6
12	30.8	31.8	32.8	33.7	34.7	35.7	36.7	37.6	38.6	39.6
13	30.8	31.8	32.7	33.7	34.7	35.7	36.6	37.6	38.6	39.5
14	30.8	31.8	32.7	33.7	34.7	35.7	36.6	37.6	38.6	39.5
15	30.8	31.7	32.7	33.7	34.7	35.6	36.6	37.6	38.5	39.5
16	30.8	31.7	32.7	33.7	34.6	35.6	36.6	37.5	38.5	39.4
17	30.7	31.7	32.7	33.7	34.6	35.6	36.5	37.5	38.5	39.4
18	30.7	31.7	32.7	33.6	34.6	35.6	36.5	37.5	38.4	39.4
19	30.7	31.7	32.6	33.6	34.6	35.5	36.5	37.4	38.4	39.3
20	30.7	31.7	32.6	33.6	34.5	35.5	36.4	37.4	38.3	39.3

TABLE VIII—TEMPORARY LIFE ANNUITIES;¹ ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

[See footnote at end of tables]
 Temporary Period—Maximum Duration of Annuity

Age	Years—									
	31	32	33	34	35	36	37	38	39	40
21	30.7	31.6	32.6	33.6	34.5	35.5	36.4	37.4	38.3	39.2
22	30.6	31.6	32.6	33.5	34.5	35.4	36.4	37.3	38.2	39.2
23	30.6	31.6	32.5	33.5	34.4	35.4	36.3	37.3	38.2	39.1
24	30.6	31.5	32.5	33.5	34.4	35.3	36.3	37.2	38.1	39.0
25	30.6	31.5	32.5	33.4	34.3	35.3	36.2	37.1	38.1	39.0
26	30.5	31.5	32.4	33.4	34.3	35.2	36.2	37.1	38.0	38.9
27	30.5	31.4	32.4	33.3	34.2	35.2	36.1	37.0	37.9	38.8
28	30.5	31.4	32.3	33.3	34.2	35.1	36.0	36.9	37.8	38.7
29	30.4	31.4	32.3	33.2	34.1	35.0	35.9	36.8	37.7	38.6
30	30.4	31.3	32.2	33.1	34.1	35.0	35.8	36.7	37.6	38.5
31	30.3	31.2	32.2	33.1	34.0	34.9	35.8	36.6	37.5	38.3
32	30.3	31.2	32.1	33.0	33.9	34.8	35.6	36.5	37.4	38.2
33	30.2	31.1	32.0	32.9	33.8	34.7	35.5	36.4	37.2	38.0
34	30.1	31.0	31.9	32.8	33.7	34.6	35.4	36.2	37.1	37.9
35	30.1	31.0	31.8	32.7	33.6	34.4	35.3	36.1	36.9	37.7
36	30.0	30.9	31.7	32.6	33.5	34.3	35.1	35.9	36.7	37.4
37	29.9	30.8	31.6	32.5	33.3	34.1	34.9	35.7	36.5	37.2
38	29.8	30.7	31.5	32.3	33.2	34.0	34.7	35.5	36.2	37.0
39	29.7	30.5	31.4	32.2	33.0	33.8	34.5	35.3	36.0	36.7
40	29.6	30.4	31.2	32.0	32.8	33.6	34.3	35.0	35.7	36.4
41	29.4	30.2	31.0	31.8	32.6	33.3	34.1	34.7	35.4	36.0
42	29.3	30.1	30.9	31.6	32.4	33.1	33.8	34.4	35.1	35.7
43	29.1	29.9	30.7	31.4	32.1	32.8	33.5	34.1	34.7	35.3
44	28.9	29.7	30.5	31.2	31.9	32.5	33.2	33.8	34.3	34.9
45	28.8	29.5	30.2	30.9	31.6	32.2	32.8	33.4	33.9	34.4
46	28.5	29.3	30.0	30.6	31.3	31.9	32.4	33.0	33.5	33.9
47	28.3	29.0	29.7	30.3	30.9	31.5	32.0	32.5	33.0	33.4
48	28.1	28.7	29.4	30.0	30.6	31.1	31.6	32.1	32.5	32.9
49	27.8	28.4	29.0	29.6	30.2	30.7	31.1	31.5	31.9	32.3
50	27.5	28.1	28.7	29.2	29.7	30.2	30.6	31.0	31.4	31.7
51	27.2	27.8	28.3	28.8	29.3	29.7	30.1	30.4	30.7	31.0
52	26.8	27.4	27.9	28.4	28.8	29.2	29.5	29.8	30.1	30.3
53	26.5	27.0	27.4	27.9	28.3	28.6	28.9	29.2	29.4	29.6
54	26.1	26.5	27.0	27.4	27.7	28.0	28.3	28.5	28.7	28.9
55	25.6	26.1	26.5	26.8	27.1	27.4	27.6	27.8	28.0	28.1
56	25.2	25.6	25.9	26.2	26.5	26.7	26.9	27.1	27.2	27.3
57	24.7	25.0	25.3	25.6	25.8	26.0	26.2	26.3	26.5	26.5
58	24.1	24.4	24.7	25.0	25.2	25.3	25.5	25.6	25.7	25.7
59	23.6	23.8	24.1	24.3	24.4	24.6	24.7	24.8	24.9	24.9
60	23.0	23.2	23.4	23.6	23.7	23.8	23.9	24.0	24.0	24.1
61	22.3	22.5	22.7	22.9	23.0	23.1	23.1	23.2	23.2	23.3
62	21.7	21.9	22.0	22.1	22.2	22.3	22.3	22.4	22.4	22.4
63	21.0	21.1	21.3	21.4	21.4	21.5	21.5	21.6	21.6	21.6
64	20.3	20.4	20.5	20.6	20.6	20.7	20.7	20.7	20.8	20.8
65	19.6	19.7	19.8	19.8	19.9	19.9	19.9	19.9	19.9	20.0
66	18.9	19.0	19.0	19.1	19.1	19.1	19.1	19.1	19.1	19.1
67	18.2	18.2	18.3	18.3	18.3	18.3	18.3	18.3	18.4	18.4
68	17.4	17.5	17.5	17.5	17.5	17.6	17.6	17.6	17.6	17.6
69	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
70	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
71	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
72	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
73	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
74	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
75	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
76	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
77	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
78	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
79	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
80	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
81	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
83	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
84	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
86	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
88	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7

TABLE VIII—TEMPORARY LIFE ANNUITIES;¹ ONE LIFE—EXPECTED RETURN MULTIPLES—Continued

[See footnote at end of tables]
 Temporary Period—Maximum Duration of Annuity

Age	Years—									
	31	32	33	34	35	36	37	38	39	40
89	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
90	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
91	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
92	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
93	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
94	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
95	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
96	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
97	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
98	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
99	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
100	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
101	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
102	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
103	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
104	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
105	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
106	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
107	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
108	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
109	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
110	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
111	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
112	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
113	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
114	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
115	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

¹The multiples in this table are not applicable to annuities for a term certain; for such cases see paragraph (c) of § 1.72-5.

If (a) the terms of the contract involve a life or lives, and are such that the above tables cannot be correctly applied, and (b) the amounts received under the contract are at least partly “amounts received as an annuity” under a contract to which section 72 applies, the taxpayer may submit with his return an actuarial computation based upon the applicable annuity table (described below) with ages set back one year, showing the appropriate factors applied in his case, subject to the approval of the Commissioner upon examination of such return. The applicable annuity table is the 1937 Standard Annuity Table (if the investment in the contract does not include a post-June 1986 investment in the contract) or the gender-neutral version of the 1983 Basic Table (if the investment in the contract includes a post-June 1986 investment in the contract). In the case of a contract to which §1.72-6(d) (relating to contracts in which amounts were invested both before July 1, 1986, and after June 30, 1986) applies, the actuarial computation shall

be based on both tables in accordance with the principles of §1.72-6(d). Computations involving factors to compensate for the effects of contingencies other than mortality, such as marriage or remarriage, re-employment, recovery from disability, or the like, will not be approved.

[T.D. 6500, 25 FR 11402, Nov. 26, 1960; 25 FR 14021, Dec. 21, 1960, as amended by T.D. 8115, 51 FR 45706, Dec. 19, 1986; 60 FR 16381, Mar. 30, 1995]

§ 1.72-10 Effect of transfer of contracts on investment in the contract.

(a) If a contract to which section 72 applies, or any interest therein, is transferred for a valuable consideration, by assignment or otherwise, only the actual value of the consideration given for such transfer and the amount of premiums or other consideration subsequently paid by the transferee shall be included in the transferee’s aggregate of premiums or other consideration paid. In accordance with the provisions of section 72(g)(3) and paragraph (b) of §1.72-4, an annuity