

Understanding Retirement Assets

Presented by Laura M. Twomey and Mary O'Reilly

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I. What is an IRA

1. Individual Retirement Accounts or "IRAs" allow taxpayers ("TPs") to invest in assets without having to pay income tax until the TP retires. Interest, dividends and capital gains generated by assets held within an IRA are not immediately subject to income tax. The tax is deferred until money is withdrawn in later years. The tax deferral allows you to invest the dollars that would normally have been used to pay tax, which in turn compounds your investment returns and helps you save for retirement. Because Congress intended IRAs to be used to provide retirement income, there are detailed rules regarding when distributions can be made. For example, generally distributions cannot be made before the TP reaches age 59_ (or rather, money taken out before age 59_ is subject to an expensive 10% penalty tax except in limited situations, such as purchase of a first time home). On the flip side, money must be taken out beginning at age 70_.
2. While the full IRA account can be cashed in any time after the TP reaches age 59_, the best method is to withdraw the minimum amount possible because the compounding effect of the tax deferred growth is very powerful. Whatever money you take out of the plan will generally be ordinary income to you in the year withdrawn. For more and more Americans, their IRA is among their largest asset and many people do not exhaust their IRA in their retirement. There is a whole litany of rules which address: how to get money into an IRA, the penalty for early withdrawal, when withdrawals are permitted without penalty, and how withdrawals are taxed. This presentation, however, will focus on when a TP must begin withdrawing money, what happens to an IRA when someone dies and how TPs can plan to maximize the tax deferral available to their heirs.

II. While the Taxpayer is Alive – When must a Tax Payer Withdraw and How Much?

1. **Minimum Required Distribution (“MRD”) Rules** – As we mentioned, in an effort to ensure that the tax deferral benefits of retirement assets provide a TP with retirement income and are for retirement purposes, Congress enacted so called “minimum required distribution rules” which mandate when distributions from an IRA must be made and the amount of such distribution.
2. The general premise behind the MDR rules is that beginning at age 70 __, the TP should receive annual distributions from the plan so that by his death, the plan has been fully distributed to the TP. (Although we will see that in most instances, the rules are designed so that there will be some value remaining in the account after the TP’s death.)

- Required Beginning Date (“RBD”) – Required distributions begin when the TP reaches age 70 __. The annual distributions are calculated by dividing the prior-year’s end account balance by a life expectancy factor. Technically, the TP has until April 1 of the year following the year in which TP turns 70__, but each year after that the distributions must be made by December 31st (thus if you elect to wait until the last day to take your first distribution, you will have to take two distributions in the first year).
- Life Expectancy Factor. During TP’s life, the “**Uniform Lifetime Table**” is used to determine TP’s life expectancy. A copy of the table is reproduced as an appendix. The following example shows how to use the table:

Example: On December 31, 2006 an IRA account holds \$1,000,000, and in January, 2007 an individual reaches age 70__. The MRD would be calculated as follows: $\$1,000,000 \div 27.4 = \$36,496$. Thus in 2007 the TP must withdraw \$36,496 from the IRA. If the December, 31, 2007 value of the IRA is worth \$1,050,000, the MRD would be \$39,622 ($\$1,050,000 \div 26.5$), which is the life expectancy of TP, who is now 71 on the Uniform Lifetime Table.

Note: a TP born January to June will be 70 on the Uniform Table in the first year of MRDs, whereas a TP born July to December will be 71.

Younger Spouse Rule: The only time during the TP’s life that the Uniform Lifetime Table is not used is when the sole beneficiary of an IRA is the TP’s spouse AND the spouse is more than 10 years younger than the TP. This table is called the **Joint and Last Survivor Table**, or Younger Spouse Table, and is reproduced as an appendix. This table provides even better results (i.e. smaller MRDs) because the life expectancy factor is based on the joint life of the TP and the actual age of the spouse. (In

comparison, the Uniform Table's factors were calculated assuming a joint life expectancy of the TP a person 10 years younger.)

III. After the Taxpayer's Death – When Must the Heirs Withdraw and How Much?

1. General Rules

- The beneficiary may withdraw the whole account at any time but will have income in the amount of the withdrawal – thus deferring withdrawals as long as possible and limiting the amount withdrawn to the MRD will yield the best results.
- Different MRD rules apply depending on whether the TP died before the RBD or after the RBD and who is named as the beneficiary of the account.
- All MRDs occurring after the TP's death are calculated using the **Single Life Table**, which is reproduced as an appendix (except for the MRD in the year of TP's death).
- Death Before RBD (i.e., TP was younger than 70_ at death)
 - i. If TP died before the RBD, and the spouse is the sole beneficiary (assuming the spouse does not roll over the IRA, which we will address later), annual distributions must be taken over the spouse's life expectancy beginning no later than 12/31 of the year after the TP's death, or if later, 12/31 of the year the TP would have reached 70_. The "recalculation method" is used, which recalculates the spouse's life expectancy each year. Thus, the life expectancy will never run out so long as the spouse is alive. The recalculation method means that, if the spouse is 80 when the first withdrawal is made, the spouse will use the life expectancy factor of 10.2 in year one (the factor for an 80 year old) and 9.7 in year two (the factor of an 81 year old).
 - ii. If the plan has a "designated beneficiary," the beneficiary can choose between taking distributions over a 5-year period or over their life expectancy, beginning no later than 12/31 of the year after the TP's death. Unlike when the spouse is the sole beneficiary, this does not use the "recalculation method." Instead, a "fixed term method" is used, which results in less deferral of income taxes. The fixed term method means that if the beneficiary were 80 when the first withdrawal is made, the beneficiary will use the life expectancy factor of 10.2 in year one (the factor for an 80 year old) and 9.2 in year two (the factor of an 80 year old, minus one).
 - iii. If the plan has no "designated beneficiary," all benefits must be distributed within 5 years of the participant's death. The account

can be paid out all at once, or in parts, but all must be paid out no later than 5 years after the TP's death.

- Death After RBD
 - i. If TP's spouse is the sole beneficiary (assuming the spouse does not roll over the IRA), annual distributions are taken out over the longer of the spouse's life expectancy or the life expectancy of the TP using the "recalculation method". In other words, you can use the life expectancy of the younger of the spouse and the TP.
 - ii. If the beneficiary of an IRA is a "designated beneficiary," annual distributions are taken over the longer of the beneficiary's life expectancy or the life expectancy of the TP using the "fixed term method."
 - iii. If the beneficiary is not a "designated beneficiary," benefits must be paid out over the life of the TP using the Single Life Table and the "fixed term method."

2. **Designated Beneficiary** – As discussed above, whether an IRA has a so-called "designated beneficiary" ("DB") is a key issue in determining how distributions are made.

- Individuals – Only individuals can be DBs.
- Estate – An estate is not a DB. Thus, if no beneficiary is designated under an IRA, and the IRA by default is paid to the TP's estate, the estate will not qualify as a DB even if, for example, the TP's child was the sole beneficiary of the TP's estate.
- Trust – A trust is not a DB but in certain instances, you can look through the trust to the individual beneficiaries who are DBs.
- Multiple Beneficiaries – If there are multiple beneficiaries, in order for them to be DBs all of them must be individuals (or qualifying see-through trusts) and it must be possible to identify the oldest member of the group.
- Multiple Beneficiary Problem – If all beneficiaries are DBs, then the benefits are paid out using the life expectancy of the oldest beneficiary. This does not allow for maximum deferral as distributions are based on the life expectancy of the oldest beneficiary. This is particularly bad if one beneficiary, for example, a spouse, is much older than the remaining beneficiaries, for example, the children.
 - i. Separate Share Rule – One way to get around using the life expectancy of the oldest beneficiary when there are multiple beneficiaries is if the plan allows division of the account into

separate accounts with respect to each beneficiary. The so-called “separate share rule” will apply so long as there is a pro rata sharing in gains and losses among the multiple beneficiaries and so long as the separate accounts are established by 12/31 of the year after the death of the TP.

- ii. Disclaimer – Another way to avoid having a much older beneficiary’s life expectancy determine the distribution period with respect to other younger beneficiaries is to have the older beneficiary disclaim his or her interest. For IRA purposes, the disclaimer must be made by 9/30 of the year after the TP’s death and for federal gift tax purposes within 9 months of the date of the TP’s death.
- iii. Prompt Distribution – A third way to cure a multiple beneficiary problem is to distribute the IRA assets payable to any non-DB or older beneficiary before 9/30 of the year after the TP’s death.

3. **When Trusts can be DBs** – As we mentioned, a trust does not qualify as a DB, however, if the trust is as a so-called “see-through trust” then you can look through the trust to the beneficiaries. If all trust beneficiaries are DBs, then you can use the oldest beneficiary’s life expectancy as the basis for paying out the IRA assets.

- A trust will qualify as a see-through trust if it meets the following 5 rules:
 - i. the trust is valid under state law,
 - ii. the trust is irrevocable or will become irrevocable on the death of the TP,
 - iii. the trust beneficiaries are identifiable in the trust instrument (thus if trust is f/b/o any issue living from time to time, it will not qualify),
 - iv. the plan administrator must have access to certain documentation, and
 - v. all beneficiaries must be individuals.

(a) Sub-Trusts – A threshold issue in determining whether all beneficiaries of a trust are individuals is determining whether any beneficiaries can be ignored for purposes of this test. For example, if an IRA is payable to a revocable trust which creates various sub-trusts on the grantor’s death and only one sub-trust will receive the IRA assets, do all beneficiaries of the revocable trust have to be considered? In the following circumstances, you only have to look to the beneficiaries of the sub-trust:

1. if the IRA names the sub-trust directly as the beneficiary,
2. if the trustee has the discretion to allocate the IRA assets, only the beneficiaries of the sub-trust to which he allocates the assets are relevant, or
3. if the trust directs a certain sub-trust as the beneficiary of the IRA, however, there is no certainty from the IRS on this issue.

(b) Powers of Appointment – Donees of a power of appointment are considered beneficiaries. So if a trust is for spouse for life, remainder as spouse appoints among issue and a charity, because the charity is a possible donee of the power of appointment, all beneficiaries of the trust are not individuals and thus the trust does not qualify as a see-through trust.

- If a trust meets these requirements and is considered a see-through trust, the age of the oldest beneficiary is used to determine the payout period of the IRA assets. And if there are multiple beneficiaries, the separate account rule cannot be used and the spousal rollover (which we will address) also cannot be used. Thus, although a “see-through” trust will allow you to use the oldest beneficiary’s life expectancy, depending on the age of the beneficiary, this may not be a better result than if the trust was not a DB.
- Conduit Trust – If the trust fails to qualify as a see-through trust, one exception that allows you to nonetheless look through to the individual trust beneficiaries is if the trust requires that all distributions the trust receives from the IRA must be paid out to the beneficiary. These so-called “conduit trusts” are ignored for the required distribution rules and are treated as if IRA benefits were paid directly to the beneficiary since the trustee has no discretion or control over the benefits.
- Outright to Now Living Persons Trust – Another exception to the see-through trust rules is if all property could be paid outright to the beneficiaries, contingent remaindermen can be ignored. This exception would apply in a situation where a trust is payable to the spouse for life and remainder to children who are all alive when the TP dies. Here only the spouse and the children are considered beneficiaries. Any contingent remainder beneficiaries beyond the children are ignored.
- Beneficiary as Owner – another exception to the see-through trust rules is when a beneficiary of a trust is deemed the owner of the trust under the “grantor trust rules.” For example, if the trust gave the beneficiary the right to withdraw the trust property at any time, the beneficiary is treated

as the owner for the grantor trust rules so any additional beneficiaries would be ignored.

IV. Considerations for Married Couples

1. **Spousal Rollover** – If the TP’s spouse is named as the sole beneficiary of an IRA, she has the option to treat the IRA as her own and she is then treated as the TP with respect to the IRA. This is referred to as a “rollover.”

- Sole Beneficiary – The spouse is treated as the sole beneficiary:
 - i. if she is named individually as a beneficiary, even if others are named as outright beneficiaries,
 - ii. if a trust is named as the beneficiary and the spouse is the owner of the trust for grantor trust purposes,
 - iii. a QTIP trust, where income is payable to spouse, is named as the beneficiary,
 - iv. conduit trust – where all IRA benefits are payable to spouse, or
 - v. if only part of the IRA is payable to the spouse, and such part qualifies as a separate account.
- Election – The spouse must elect to roll the IRA over and this can be done at any time, however, until a rollover election is made, the normal required distributions will be made from the IRA. Additionally, the spouse can elect all or only part of the IRA. The spouse can either elect to roll over the IRA into a pre-existing IRA or a new IRA established for this purpose.
- Advantages – By becoming the TP of the IRA, the spouse can postpone distributions from the IRA until she reaches age 70½, then after reaching 70½, the spouse can take distributions based on the Uniform Lifetime table instead of the Single Life table, which allows for smaller MRDs. At the spouse’s death, the spouse can then name her own DB and distributions will be based on their life expectancy.

2. Marital Deduction

- Outright – As we discussed above, the benefit of leaving an IRA outright to the spouse is the spouse’s ability to roll over the assets into her own IRA.
- QTIP – If leaving an IRA for a QTIP, the following should be kept in mind:
 - i. must elect QTIP treatment for both the QTIP trust and the IRA,

- ii. in order to use the spouse's life expectancy, the trust must qualify as a see-through trust or a conduit trust,
 - iii. the trust should also provide that in addition to trust income, the spouse is entitled to income of any retirement plan payable to the trust,
 - iv. under the minimum distribution rules, each year the trust will receive proceeds from the IRA equal to the minimum required distribution. If the IRA's income for that year is greater than the required minimum distribution amount, then the trustee is forced to pull out this larger amount from the IRA, which undercuts the tax deferral benefits of the IRA. This will result in forced distribution of the benefits sooner and additionally payment of income taxes will be at the higher trust rates as compared to individual tax rates, however, the spouse would then be entitled to roll over this distributed amount into her own IRA,
 - v. the QTIP can also be drafted as a conduit trust which would require the trustee to distribute to the spouse the greater of the income or the minimum required distribution.
3. **Spousal Consent** – If a TP is going to leave an IRA to someone other than the spouse or to a trust for the spouse, the spouse's consent may be required.

V. Charitable Planning

- 1. **Tax Efficient** – Because a charity is exempt from income tax, if a client is charitably inclined, one of the most tax efficient means to dispose of an IRA is to benefit a charity and have the TP leave other assets which will not be subject to income tax to other beneficiaries.
- 2. **Methods**
 - i. Charity as Beneficiary – If one or more charities are named as a beneficiary of an IRA, the distribution to the charity will be non-taxable and it will qualify for the estate tax charitable deduction.
 - ii. Partial Gift to Charity – A charity can be designated to receive a set amount from an IRA, however, special attention must be made to distribute this amount to the charity prior to 9/30 of the year after the TP's death to avoid the multiple beneficiary problem for any individuals who are designated the beneficiaries of the balance of the IRA. To ensure the payment is made timely, the gift to charity can be conditioned on payment prior to such date.
 - iii. Gift to Charity in Trust – As we discussed, leaving an IRA to a trust in which a charity and other individuals are beneficiaries may

cause all distributions from the IRA including those to individuals, to be made within 5 years of the TP's death because the trust will not qualify as a designated beneficiary. Thus, if a trust with both charitable and individual beneficiaries is the only option available, care must be taken to avoid the multiple beneficiary problem. A few ways in which this can be done is as follows:

(a) Conduit Trust – If a trust requires the required minimum distribution to be paid out to the life individual beneficiary, the trust is a conduit trust and the remainderman is not treated as a beneficiary of the trust. Thus the charity will not disqualify the trust from being a designated beneficiary.

(b) Charitable Remainder Trust – Leaving an IRA to a CRT allows benefits to be paid to the charity with no income tax consequences.

VI. Comparison of ROTH IRA and Traditional IRA

1. **Traditional IRAs** - Contributions to a Traditional IRA are sometimes deductible (and thus funded with pretax dollars) and sometimes not. Deductibility of contributions will depend on the TP's income level (high income tax payers cannot deduct). Contributions cannot be made after the TP reaches age 70_. Distributions from traditional IRAs are generally ordinary income to the TP in the year withdrawn. Where non-deductible contributions have been made, a small portion of each distribution will not be subject to income tax, as it will be deemed a return of the TP's basis in the IRA. Distributions must begin when TP reaches age 70_. MRD rules apply to distributions after TP's death.
2. **ROTH IRAs** - In contrast, contributions to a ROTH IRA are never deductible - they are always made on an aftertax basis. Contributions can only be made by single TP's with income under \$95,000 or married taxpayers filing jointly with income under \$150,000. There is no age limit on contributions - contributions can be made after 70_ if the TP has compensation income. Distributions from ROTH IRAs are not subject to income tax. During the life of the TP, there are no minimum required distributions. After the death of the TP, the MRD rules apply.

3. **Conversion of Traditional to ROTH IRA** - Traditional IRAs can be converted to Roth IRAs if the TP's income is under \$100,000 and the TP is single, or married filing jointly. Conversion causes you to pay the tax on the value of the Traditional IRA in the year of conversion.

VII. Summary

1. **Plan** – The rules governing IRAs provide great planning opportunities for deferral of taxes, however, as a threshold issue, the individual plan must be examined to see what it permits. For example, if the plan only permits a one-time lump sum distribution, then there is no need to worry about having a DB. Alternatively, a plan may not permit that the trust be paid to different beneficiaries using fractional shares. Thus, before deciding the best way to deal with the plan, the plan must be reviewed carefully. This Outline focuses on what is permitted by the IRS, however, when advising a client on retirement assets, you must look to each individual plan as the plan may be stricter than what the IRS permits. Generally, plans can require faster payouts than the MRD rules.
2. **Spouse** – Leaving an IRA outright to the spouse provides the greatest tax deferral as the spouse can roll the IRA over. If leaving the plan outright is not attractive, consider leaving it to a trust where the spouse is the sole beneficiary.
3. **Charity** – If a client is charitably inclined, leaving an IRA directly to charity is great tax planning. Because a charity is tax exempt, the IRA is worth more to the charity than it would be worth to other beneficiaries.
4. **Trust** – If a client is not charitably inclined and has no spouse, consider leaving an IRA outright to individuals, such as the client's children. If leaving it outright is not desirable, see if the separate account rules are possible or see if a conduit trust is feasible to avoid having to use the oldest beneficiary's life expectancy for all beneficiaries.
5. **Different Types of Retirement Benefits** – The rules discussed herein apply to IRAs, Qualified Retirement Plans, § 403b plans, and § 457 plans. A separate set of MRD rules apply to defined benefit plans. In very, very broad terms, defined benefit plans are arrangement where you are entitled to benefits such as an annuity or lump sum upon retirement, but there is no account balance.

VIII. Conclusion – The IRA rules are extremely intricate. We have presented an overall general outline of the rules. When planning with IRAs, you must consult the Code, regulations and the ever-changing rulings, and the plan itself.

APPENDIX

Uniform Lifetime Table

Age of employee	Distribution period	Age of employee	Distribution period
70	27.4	92	10.2
71	26.5	93	9.6
72	25.6	94	9.1
73	24.7	95	8.6
74	23.8	96	8.1
75	22.9	97	7.6
76	22.0	98	7.1
77	21.2	99	6.7
78	20.3	100	6.3
79	19.5	101	5.9
80	18.7	102	5.5
81	17.9	103	5.2
82	17.1	104	4.9
83	16.3	105	4.5
84	15.5	106	4.2
85	14.8	107	3.9
86	14.1	108	3.7
87	13.4	109	3.4
88	12.7	110	3.1
89	12.0	111	2.9
90	11.4	112	2.6
91	10.8	113	2.4
92	10.2	114	2.1

Single Life Table

Age	Life Expectancy	Age	Life Expectancy	Age	Life Expectancy	Age	Life Expectancy
0	82.4	29	54.3	58	27.0	87	6.7
1	81.6	30	53.3	59	26.1	88	6.3
2	80.6	31	52.4	60	25.2	89	5.9
3	79.7	32	51.4	61	24.4	90	5.5
4	78.7	33	50.4	62	23.5	91	5.2
5	77.7	34	49.4	63	22.7	92	4.9
6	76.7	35	48.5	64	21.8	93	4.6
7	75.8	36	47.5	65	21.0	94	4.3
8	74.8	37	46.5	66	20.2	95	4.1
9	73.8	38	45.6	67	19.4	96	3.8
10	72.8	39	44.6	68	18.6	97	3.6
11	71.8	40	43.6	69	17.8	98	3.4
12	70.8	41	42.7	70	17.0	99	3.1
13	69.9	42	41.7	71	16.3	100	2.9
14	68.9	43	40.7	72	15.5	101	2.7
15	67.9	44	39.8	73	14.8	102	2.5
16	66.9	45	38.8	74	14.1	103	2.3
17	66.0	46	37.9	75	13.4	104	2.1
18	65.0	47	37.0	76	12.7	105	1.9
19	64.0	48	36.0	77	12.1	106	1.7
20	63.0	49	35.1	78	11.4	107	1.5
21	62.1	50	34.2	79	10.8	108	1.4
22	61.1	51	33.3	80	10.2	109	1.2
23	60.1	52	32.3	81	9.7	110	1.1
24	59.1	53	31.4	82	9.1	111+	1.0
25	58.2	54	30.5	83	8.6		
26	57.2	55	29.6	84	8.1		
27	56.2	56	28.7	85	7.6		

Joint and Last Survivor Table

AGES	0	1	2	3	4	5	6	7	8	9
0	90.0	89.5	89.0	88.6	88.2	87.8	87.4	87.1	86.8	86.5
1	89.5	89.0	88.5	88.1	87.6	87.2	86.8	86.5	86.1	85.8
2	89.0	88.5	88.0	87.5	87.1	86.6	86.2	85.8	85.5	85.1
3	88.6	88.1	87.5	87.0	86.5	86.1	85.6	85.2	84.8	84.5
4	88.2	87.6	87.1	86.5	86.0	85.5	85.1	84.6	84.2	83.8
5	87.8	87.2	86.6	86.1	85.5	85.0	84.5	84.1	83.6	83.2
6	87.4	86.8	86.2	85.6	85.1	84.5	84.0	83.5	83.1	82.6
7	87.1	86.5	85.8	85.2	84.6	84.1	83.5	83.0	82.5	82.1
8	86.8	86.1	85.5	84.8	84.2	83.6	83.1	82.5	82.0	81.6
9	86.5	85.8	85.1	84.5	83.8	83.2	82.6	82.1	81.6	81.0
10	86.2	85.5	84.8	84.1	83.5	82.8	82.2	81.6	81.1	80.6
11	85.9	85.2	84.5	83.8	83.1	82.5	81.8	81.2	80.7	80.1
12	85.7	84.9	84.2	83.5	82.8	82.1	81.5	80.8	80.2	79.7
13	85.4	84.7	84.0	83.2	82.5	81.8	81.1	80.5	79.9	79.2
14	85.2	84.5	83.7	83.0	82.2	81.5	80.8	80.1	79.5	78.9
15	85.0	84.3	83.5	82.7	82.0	81.2	80.5	79.8	79.1	78.5
16	84.9	84.1	83.3	82.5	81.7	81.0	80.2	79.5	78.8	78.1
17	84.7	83.9	83.1	82.3	81.5	80.7	80.0	79.2	78.5	77.8
18	84.5	83.7	82.9	82.1	81.3	80.5	79.7	79.0	78.2	77.5
19	84.4	83.6	82.7	81.9	81.1	80.3	79.5	78.7	78.0	77.3
20	84.3	83.4	82.6	81.8	80.9	80.1	79.3	78.5	77.7	77.0
21	84.1	83.3	82.4	81.6	80.8	79.9	79.1	78.3	77.5	76.8
22	84.0	83.2	82.3	81.5	80.6	79.8	78.9	78.1	77.3	76.5
23	83.9	83.1	82.2	81.3	80.5	79.6	78.8	77.9	77.1	76.3
24	83.8	83.0	82.1	81.2	80.3	79.5	78.6	77.8	76.9	76.1
25	83.7	82.9	82.0	81.1	80.2	79.3	78.5	77.6	76.8	75.9
26	83.6	82.8	81.9	81.0	80.1	79.2	78.3	77.5	76.6	75.8
27	83.6	82.7	81.8	80.9	80.0	79.1	78.2	77.4	76.5	75.6
28	83.5	82.6	81.7	80.8	79.9	79.0	78.1	77.2	76.4	75.5
29	83.4	82.6	81.6	80.7	79.8	78.9	78.0	77.1	76.2	75.4
30	83.4	82.5	81.6	80.7	79.7	78.8	77.9	77.0	76.1	75.2
31	83.3	82.4	81.5	80.6	79.7	78.8	77.8	76.9	76.0	75.1
32	83.3	82.4	81.5	80.5	79.6	78.7	77.8	76.8	75.9	75.0
33	83.2	82.3	81.4	80.5	79.5	78.6	77.7	76.8	75.9	74.9
34	83.2	82.3	81.3	80.4	79.5	78.5	77.6	76.7	75.8	74.9
35	83.1	82.2	81.3	80.4	79.4	78.5	77.6	76.6	75.7	74.8
36	83.1	82.2	81.3	80.3	79.4	78.4	77.5	76.6	75.6	74.7
37	83.0	82.2	81.2	80.3	79.3	78.4	77.4	76.5	75.6	74.6
38	83.0	82.1	81.2	80.2	79.3	78.3	77.4	76.4	75.5	74.6
39	83.0	82.1	81.1	80.2	79.2	78.3	77.3	76.4	75.5	74.5
40	82.9	82.1	81.1	80.2	79.2	78.3	77.3	76.4	75.4	74.5
41	82.9	82.0	81.1	80.1	79.2	78.2	77.3	76.3	75.4	74.4
42	82.9	82.0	81.1	80.1	79.1	78.2	77.2	76.3	75.3	74.4
43	82.9	82.0	81.0	80.1	79.1	78.2	77.2	76.2	75.3	74.3
44	82.8	81.9	81.0	80.0	79.1	78.1	77.2	76.2	75.2	74.3
45	82.8	81.9	81.0	80.0	79.1	78.1	77.1	76.2	75.2	74.3
46	82.8	81.9	81.0	80.0	79.0	78.1	77.1	76.1	75.2	74.2
47	82.8	81.9	80.9	80.0	79.0	78.0	77.1	76.1	75.2	74.2
48	82.8	81.9	80.9	80.0	79.0	78.0	77.1	76.1	75.1	74.2
49	82.7	81.8	80.9	79.9	79.0	78.0	77.0	76.1	75.1	74.1
50	82.7	81.8	80.9	79.9	79.0	78.0	77.0	76.0	75.1	74.1

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

AGES	10	11	12	13	14	15	16	17	18	19
10	80.0	79.6	79.1	78.7	78.2	77.9	77.5	77.2	76.8	76.5
11	79.6	79.0	78.6	78.1	77.7	77.3	76.9	76.5	76.2	75.8
12	79.1	78.6	78.1	77.6	77.1	76.7	76.3	75.9	75.5	75.2
13	78.7	78.1	77.6	77.1	76.6	76.1	75.7	75.3	74.9	74.5
14	78.2	77.7	77.1	76.6	76.1	75.6	75.1	74.7	74.3	73.9
15	77.9	77.3	76.7	76.1	75.6	75.1	74.6	74.1	73.7	73.3
16	77.5	76.9	76.3	75.7	75.1	74.6	74.1	73.6	73.1	72.7
17	77.2	76.5	75.9	75.3	74.7	74.1	73.6	73.1	72.6	72.1
18	76.8	76.2	75.5	74.9	74.3	73.7	73.1	72.6	72.1	71.6
19	76.5	75.8	75.2	74.5	73.9	73.3	72.7	72.1	71.6	71.1
20	76.3	75.5	74.8	74.2	73.5	72.9	72.3	71.7	71.1	70.6
21	76.0	75.3	74.5	73.8	73.2	72.5	71.9	71.3	70.7	70.1
22	75.8	75.0	74.3	73.5	72.9	72.2	71.5	70.9	70.3	69.7
23	75.5	74.8	74.0	73.3	72.6	71.9	71.2	70.5	69.9	69.3
24	75.3	74.5	73.8	73.0	72.3	71.6	70.9	70.2	69.5	68.9
25	75.1	74.3	73.5	72.8	72.0	71.3	70.6	69.9	69.2	68.5
26	75.0	74.1	73.3	72.5	71.8	71.0	70.3	69.6	68.9	68.2
27	74.8	74.0	73.1	72.3	71.6	70.8	70.0	69.3	68.6	67.9
28	74.6	73.8	73.0	72.2	71.3	70.6	69.8	69.0	68.3	67.6
29	74.5	73.6	72.8	72.0	71.2	70.4	69.6	68.8	68.0	67.3
30	74.4	73.5	72.7	71.8	71.0	70.2	69.4	68.6	67.8	67.1
31	74.3	73.4	72.5	71.7	70.8	70.0	69.2	68.4	67.6	66.8
32	74.1	73.3	72.4	71.5	70.7	69.8	69.0	68.2	67.4	66.6
33	74.0	73.2	72.3	71.4	70.5	69.7	68.8	68.0	67.2	66.4
34	73.9	73.0	72.2	71.3	70.4	69.5	68.7	67.8	67.0	66.2
35	73.9	73.0	72.1	71.2	70.3	69.4	68.5	67.7	66.8	66.0
36	73.8	72.9	72.0	71.1	70.2	69.3	68.4	67.6	66.7	65.9
37	73.7	72.8	71.9	71.0	70.1	69.2	68.3	67.4	66.6	65.7
38	73.6	72.7	71.8	70.9	70.0	69.1	68.2	67.3	66.4	65.6
39	73.6	72.7	71.7	70.8	69.9	69.0	68.1	67.2	66.3	65.4
40	73.5	72.6	71.7	70.7	69.8	68.9	68.0	67.1	66.2	65.3
41	73.5	72.5	71.6	70.7	69.7	68.8	67.9	67.0	66.1	65.2
42	73.4	72.5	71.5	70.6	69.7	68.8	67.8	66.9	66.0	65.1
43	73.4	72.4	71.5	70.6	69.6	68.7	67.8	66.8	65.9	65.0
44	73.3	72.4	71.4	70.5	69.6	68.6	67.7	66.8	65.9	64.9
45	73.3	72.3	71.4	70.5	69.5	68.6	67.6	66.7	65.8	64.9
46	73.3	72.3	71.4	70.4	69.5	68.5	67.6	66.6	65.7	64.8
47	73.2	72.3	71.3	70.4	69.4	68.5	67.5	66.6	65.7	64.7
48	73.2	72.2	71.3	70.3	69.4	68.4	67.5	66.5	65.6	64.7
49	73.2	72.2	71.2	70.3	69.3	68.4	67.4	66.5	65.6	64.6
50	73.1	72.2	71.2	70.3	69.3	68.4	67.4	66.5	65.5	64.6
51	73.1	72.2	71.2	70.2	69.3	68.3	67.4	66.4	65.5	64.5
52	73.1	72.1	71.2	70.2	69.2	68.3	67.3	66.4	65.4	64.5
53	73.1	72.1	71.1	70.2	69.2	68.3	67.3	66.3	65.4	64.4
54	73.1	72.1	71.1	70.2	69.2	68.2	67.3	66.3	65.4	64.4
55	73.0	72.1	71.1	70.1	69.2	68.2	67.2	66.3	65.3	64.4
56	73.0	72.1	71.1	70.1	69.1	68.2	67.2	66.3	65.3	64.3
57	73.0	72.0	71.1	70.1	69.1	68.2	67.2	66.2	65.3	64.3
58	73.0	72.0	71.0	70.1	69.1	68.1	67.2	66.2	65.2	64.3
59	73.0	72.0	71.0	70.1	69.1	68.1	67.2	66.2	65.2	64.3
60	73.0	72.0	71.0	70.0	69.1	68.1	67.1	66.2	65.2	64.2
61	73.0	72.0	71.0	70.0	69.1	68.1	67.1	66.2	65.2	64.2
62	72.9	72.0	71.0	70.0	69.0	68.1	67.1	66.1	65.2	64.2
63	72.9	72.0	71.0	70.0	69.0	68.1	67.1	66.1	65.2	64.2
64	72.9	71.9	71.0	70.0	69.0	68.0	67.1	66.1	65.1	64.2
65	72.9	71.9	71.0	70.0	69.0	68.0	67.1	66.1	65.1	64.2

AGES	20	21	22	23	24	25	26	27	28	29
20	70.1	69.6	69.1	68.7	68.3	67.9	67.5	67.2	66.9	66.6
21	69.6	69.1	68.6	68.2	67.7	67.3	66.9	66.6	66.2	65.9
22	69.1	68.6	68.1	67.6	67.2	66.7	66.3	65.9	65.6	65.2
23	68.7	68.2	67.6	67.1	66.6	66.2	65.7	65.3	64.9	64.6
24	68.3	67.7	67.2	66.6	66.1	65.6	65.2	64.7	64.3	63.9
25	67.9	67.3	66.7	66.2	65.6	65.1	64.6	64.2	63.7	63.3
26	67.5	66.9	66.3	65.7	65.2	64.6	64.1	63.6	63.2	62.8
27	67.2	66.6	65.9	65.3	64.7	64.2	63.6	63.1	62.7	62.2
28	66.9	66.2	65.6	64.9	64.3	63.7	63.2	62.7	62.1	61.7
29	66.6	65.9	65.2	64.6	63.9	63.3	62.8	62.2	61.7	61.2
30	66.3	65.6	64.9	64.2	63.6	62.9	62.3	61.8	61.2	60.7
31	66.1	65.3	64.6	63.9	63.2	62.6	62.0	61.4	60.8	60.2
32	65.8	65.1	64.3	63.6	62.9	62.2	61.6	61.0	60.4	59.8
33	65.6	64.8	64.1	63.3	62.6	61.9	61.3	60.6	60.0	59.4
34	65.4	64.6	63.8	63.1	62.3	61.6	60.9	60.3	59.6	59.0
35	65.2	64.4	63.6	62.8	62.1	61.4	60.6	59.9	59.3	58.6
36	65.0	64.2	63.4	62.6	61.9	61.1	60.4	59.6	59.0	58.3
37	64.9	64.0	63.2	62.4	61.6	60.9	60.1	59.4	58.7	58.0
38	64.7	63.9	63.0	62.2	61.4	60.6	59.9	59.1	58.4	57.7
39	64.6	63.7	62.9	62.1	61.2	60.4	59.6	58.9	58.1	57.4
40	64.4	63.6	62.7	61.9	61.1	60.2	59.4	58.7	57.9	57.1
41	64.3	63.5	62.6	61.7	60.9	60.1	59.3	58.5	57.7	56.9
42	64.2	63.3	62.5	61.6	60.8	59.9	59.1	58.3	57.5	56.7
43	64.1	63.2	62.4	61.5	60.6	59.8	58.9	58.1	57.3	56.5
44	64.0	63.1	62.2	61.4	60.5	59.6	58.8	57.9	57.1	56.3
45	64.0	63.0	62.2	61.3	60.4	59.5	58.6	57.8	56.9	56.1
46	63.9	63.0	62.1	61.2	60.3	59.4	58.5	57.7	56.8	56.0
47	63.8	62.9	62.0	61.1	60.2	59.3	58.4	57.5	56.7	55.8
48	63.7	62.8	61.9	61.0	60.1	59.2	58.3	57.4	56.5	55.7
49	63.7	62.8	61.8	60.9	60.0	59.1	58.2	57.3	56.4	55.6
50	63.6	62.7	61.8	60.8	59.9	59.0	58.1	57.2	56.3	55.4
51	63.6	62.6	61.7	60.8	59.9	58.9	58.0	57.1	56.2	55.3
52	63.5	62.6	61.7	60.7	59.8	58.9	58.0	57.1	56.1	55.2
53	63.5	62.5	61.6	60.7	59.7	58.8	57.9	57.0	56.1	55.2
54	63.5	62.5	61.6	60.6	59.7	58.8	57.8	56.9	56.0	55.1
55	63.4	62.5	61.5	60.6	59.6	58.7	57.8	56.8	55.9	55.0
56	63.4	62.4	61.5	60.5	59.6	58.7	57.7	56.8	55.9	54.9
57	63.4	62.4	61.5	60.5	59.6	58.6	57.7	56.7	55.8	54.9
58	63.3	62.4	61.4	60.5	59.5	58.6	57.6	56.7	55.8	54.8
59	63.3	62.3	61.4	60.4	59.5	58.5	57.6	56.7	55.7	54.8
60	63.3	62.3	61.4	60.4	59.5	58.5	57.6	56.6	55.7	54.7
61	63.3	62.3	61.3	60.4	59.4	58.5	57.5	56.6	55.6	54.7
62	63.2	62.3	61.3	60.4	59.4	58.4	57.5	56.5	55.6	54.7
63	63.2	62.3	61.3	60.3	59.4	58.4	57.5	56.5	55.6	54.6
64	63.2	62.2	61.3	60.3	59.4	58.4	57.4	56.5	55.5	54.6
65	63.2	62.2	61.3	60.3	59.3	58.4	57.4	56.5	55.5	54.6
66	63.2	62.2	61.2	60.3	59.3	58.4	57.4	56.4	55.5	54.5
67	63.2	62.2	61.2	60.3	59.3	58.3	57.4	56.4	55.5	54.5
68	63.1	62.2	61.2	60.2	59.3	58.3	57.4	56.4	55.4	54.5
69	63.1	62.2	61.2	60.2	59.3	58.3	57.3	56.4	55.4	54.5
70	63.1	62.2	61.2	60.2	59.3	58.3	57.3	56.4	55.4	54.4
71	63.1	62.1	61.2	60.2	59.2	58.3	57.3	56.4	55.4	54.4
72	63.1	62.1	61.2	60.2	59.2	58.3	57.3	56.3	55.4	54.4
73	63.1	62.1	61.2	60.2	59.2	58.3	57.3	56.3	55.4	54.4
74	63.1	62.1	61.2	60.2	59.2	58.2	57.3	56.3	55.4	54.4

AGES	20	21	22	23	24	25	26	27	28	29
75	63.1	62.1	61.1	60.2	59.2	58.2	57.3	56.3	55.3	54.4
76	63.1	62.1	61.1	60.2	59.2	58.2	57.3	56.3	55.3	54.4
77	63.1	62.1	61.1	60.2	59.2	58.2	57.3	56.3	55.3	54.4
78	63.1	62.1	61.1	60.2	59.2	58.2	57.3	56.3	55.3	54.4
79	63.1	62.1	61.1	60.2	59.2	58.2	57.2	56.3	55.3	54.3
80	63.1	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
81	63.1	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
82	63.1	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
83	63.1	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
84	63.0	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
85	63.0	62.1	61.1	60.1	59.2	58.2	57.2	56.3	55.3	54.3
86	63.0	62.1	61.1	60.1	59.2	58.2	57.2	56.2	55.3	54.3
87	63.0	62.1	61.1	60.1	59.2	58.2	57.2	56.2	55.3	54.3
88	63.0	62.1	61.1	60.1	59.2	58.2	57.2	56.2	55.3	54.3
89	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
90	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
91	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
92	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
93	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
94	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
95	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
96	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
97	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
98	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
99	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
100	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
101	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
102	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
103	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
104	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
105	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
106	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
107	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
108	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
109	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
110	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
111	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
112	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
113	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
114	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3
115+	63.0	62.1	61.1	60.1	59.1	58.2	57.2	56.2	55.3	54.3

AGES	30	31	32	33	34	35	36	37	38	39
30	60.2	59.7	59.2	58.8	58.4	58.0	57.6	57.3	57.0	56.7
31	59.7	59.2	58.7	58.2	57.8	57.4	57.0	56.6	56.3	56.0
32	59.2	58.7	58.2	57.7	57.2	56.8	56.4	56.0	55.6	55.3
33	58.8	58.2	57.7	57.2	56.7	56.2	55.8	55.4	55.0	54.7
34	58.4	57.8	57.2	56.7	56.2	55.7	55.3	54.8	54.4	54.0
35	58.0	57.4	56.8	56.2	55.7	55.2	54.7	54.3	53.8	53.4
36	57.6	57.0	56.4	55.8	55.3	54.7	54.2	53.7	53.3	52.8
37	57.3	56.6	56.0	55.4	54.8	54.3	53.7	53.2	52.7	52.3
38	57.0	56.3	55.6	55.0	54.4	53.8	53.3	52.7	52.2	51.7
39	56.7	56.0	55.3	54.7	54.0	53.4	52.8	52.3	51.7	51.2
40	56.4	55.7	55.0	54.3	53.7	53.0	52.4	51.8	51.3	50.8
41	56.1	55.4	54.7	54.0	53.3	52.7	52.0	51.4	50.9	50.3
42	55.9	55.2	54.4	53.7	53.0	52.3	51.7	51.1	50.4	49.9
43	55.7	54.9	54.2	53.4	52.7	52.0	51.3	50.7	50.1	49.5
44	55.5	54.7	53.9	53.2	52.4	51.7	51.0	50.4	49.7	49.1
45	55.3	54.5	53.7	52.9	52.2	51.5	50.7	50.0	49.4	48.7
46	55.1	54.3	53.5	52.7	52.0	51.2	50.5	49.8	49.1	48.4
47	55.0	54.1	53.3	52.5	51.7	51.0	50.2	49.5	48.8	48.1
48	54.8	54.0	53.2	52.3	51.5	50.8	50.0	49.2	48.5	47.8
49	54.7	53.8	53.0	52.2	51.4	50.6	49.8	49.0	48.2	47.5
50	54.6	53.7	52.9	52.0	51.2	50.4	49.6	48.8	48.0	47.3
51	54.5	53.6	52.7	51.9	51.0	50.2	49.4	48.6	47.8	47.0
52	54.4	53.5	52.6	51.7	50.9	50.0	49.2	48.4	47.6	46.8
53	54.3	53.4	52.5	51.6	50.8	49.9	49.1	48.2	47.4	46.6
54	54.2	53.3	52.4	51.5	50.6	49.8	48.9	48.1	47.2	46.4
55	54.1	53.2	52.3	51.4	50.5	49.7	48.8	47.9	47.1	46.3
56	54.0	53.1	52.2	51.3	50.4	49.5	48.7	47.8	47.0	46.1
57	54.0	53.0	52.1	51.2	50.3	49.4	48.6	47.7	46.8	46.0
58	53.9	53.0	52.1	51.2	50.3	49.4	48.5	47.6	46.7	45.8
59	53.8	52.9	52.0	51.1	50.2	49.3	48.4	47.5	46.6	45.7
60	53.8	52.9	51.9	51.0	50.1	49.2	48.3	47.4	46.5	45.6
61	53.8	52.8	51.9	51.0	50.0	49.1	48.2	47.3	46.4	45.5
62	53.7	52.8	51.8	50.9	50.0	49.1	48.1	47.2	46.3	45.4
63	53.7	52.7	51.8	50.9	49.9	49.0	48.1	47.2	46.3	45.3
64	53.6	52.7	51.8	50.8	49.9	48.9	48.0	47.1	46.2	45.3
65	53.6	52.7	51.7	50.8	49.8	48.9	48.0	47.0	46.1	45.2
66	53.6	52.6	51.7	50.7	49.8	48.9	47.9	47.0	46.1	45.1
67	53.6	52.6	51.7	50.7	49.8	48.8	47.9	46.9	46.0	45.1
68	53.5	52.6	51.6	50.7	49.7	48.8	47.8	46.9	46.0	45.0
69	53.5	52.6	51.6	50.6	49.7	48.7	47.8	46.9	45.9	45.0
70	53.5	52.5	51.6	50.6	49.7	48.7	47.8	46.8	45.9	44.9
71	53.5	52.5	51.6	50.6	49.6	48.7	47.7	46.8	45.9	44.9
72	53.5	52.5	51.5	50.6	49.6	48.7	47.7	46.8	45.8	44.9
73	53.4	52.5	51.5	50.6	49.6	48.6	47.7	46.7	45.8	44.8
74	53.4	52.5	51.5	50.5	49.6	48.6	47.7	46.7	45.8	44.8
75	53.4	52.5	51.5	50.5	49.6	48.6	47.7	46.7	45.7	44.8
76	53.4	52.4	51.5	50.5	49.6	48.6	47.6	46.7	45.7	44.8
77	53.4	52.4	51.5	50.5	49.5	48.6	47.6	46.7	45.7	44.8
78	53.4	52.4	51.5	50.5	49.5	48.6	47.6	46.6	45.7	44.7
79	53.4	52.4	51.5	50.5	49.5	48.6	47.6	46.6	45.7	44.7
80	53.4	52.4	51.4	50.5	49.5	48.5	47.6	46.6	45.7	44.7
81	53.4	52.4	51.4	50.5	49.5	48.5	47.6	46.6	45.7	44.7
82	53.4	52.4	51.4	50.5	49.5	48.5	47.6	46.6	45.6	44.7
83	53.4	52.4	51.4	50.5	49.5	48.5	47.6	46.6	45.6	44.7
84	53.4	52.4	51.4	50.5	49.5	48.5	47.6	46.6	45.6	44.7

AGES	30	31	32	33	34	35	36	37	38	39
85	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.7
86	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
87	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
88	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
89	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
90	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
91	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
92	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
93	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
94	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.6	45.6	44.6
95	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
96	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
97	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
98	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
99	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
100	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
101	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
102	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
103	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
104	53.3	52.4	51.4	50.4	49.5	48.5	47.5	46.5	45.6	44.6
105	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
106	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
107	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
108	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
109	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
110	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
111	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
112	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
113	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
114	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6
115+	53.3	52.4	51.4	50.4	49.4	48.5	47.5	46.5	45.6	44.6

AGES	40	41	42	43	44	45	46	47	48	49
40	50.2	49.8	49.3	48.9	48.5	48.1	47.7	47.4	47.1	46.8
41	49.8	49.3	48.8	48.3	47.9	47.5	47.1	46.7	46.4	46.1
42	49.3	48.8	48.3	47.8	47.3	46.9	46.5	46.1	45.8	45.4
43	48.9	48.3	47.8	47.3	46.8	46.3	45.9	45.5	45.1	44.8
44	48.5	47.9	47.3	46.8	46.3	45.8	45.4	44.9	44.5	44.2
45	48.1	47.5	46.9	46.3	45.8	45.3	44.8	44.4	44.0	43.6
46	47.7	47.1	46.5	45.9	45.4	44.8	44.3	43.9	43.4	43.0
47	47.4	46.7	46.1	45.5	44.9	44.4	43.9	43.4	42.9	42.4
48	47.1	46.4	45.8	45.1	44.5	44.0	43.4	42.9	42.4	41.9
49	46.8	46.1	45.4	44.8	44.2	43.6	43.0	42.4	41.9	41.4
50	46.5	45.8	45.1	44.4	43.8	43.2	42.6	42.0	41.5	40.9
51	46.3	45.5	44.8	44.1	43.5	42.8	42.2	41.6	41.0	40.5
52	46.0	45.3	44.6	43.8	43.2	42.5	41.8	41.2	40.6	40.1
53	45.8	45.1	44.3	43.6	42.9	42.2	41.5	40.9	40.3	39.7
54	45.6	44.8	44.1	43.3	42.6	41.9	41.2	40.5	39.9	39.3
55	45.5	44.7	43.9	43.1	42.4	41.6	40.9	40.2	39.6	38.9
56	45.3	44.5	43.7	42.9	42.1	41.4	40.7	40.0	39.3	38.6
57	45.1	44.3	43.5	42.7	41.9	41.2	40.4	39.7	39.0	38.3
58	45.0	44.2	43.3	42.5	41.7	40.9	40.2	39.4	38.7	38.0
59	44.9	44.0	43.2	42.4	41.5	40.7	40.0	39.2	38.5	37.8
60	44.7	43.9	43.0	42.2	41.4	40.6	39.8	39.0	38.2	37.5
61	44.6	43.8	42.9	42.1	41.2	40.4	39.6	38.8	38.0	37.3
62	44.5	43.7	42.8	41.9	41.1	40.3	39.4	38.6	37.8	37.1
63	44.5	43.6	42.7	41.8	41.0	40.1	39.3	38.5	37.7	36.9
64	44.4	43.5	42.6	41.7	40.8	40.0	39.2	38.3	37.5	36.7
65	44.3	43.4	42.5	41.6	40.7	39.9	39.0	38.2	37.4	36.6
66	44.2	43.3	42.4	41.5	40.6	39.8	38.9	38.1	37.2	36.4
67	44.2	43.3	42.3	41.4	40.6	39.7	38.8	38.0	37.1	36.3
68	44.1	43.2	42.3	41.4	40.5	39.6	38.7	37.9	37.0	36.2
69	44.1	43.1	42.2	41.3	40.4	39.5	38.6	37.8	36.9	36.0
70	44.0	43.1	42.2	41.3	40.3	39.4	38.6	37.7	36.8	35.9
71	44.0	43.0	42.1	41.2	40.3	39.4	38.5	37.6	36.7	35.9
72	43.9	43.0	42.1	41.1	40.2	39.3	38.4	37.5	36.6	35.8
73	43.9	43.0	42.0	41.1	40.2	39.3	38.4	37.5	36.6	35.7
74	43.9	42.9	42.0	41.1	40.1	39.2	38.3	37.4	36.5	35.6
75	43.8	42.9	42.0	41.0	40.1	39.2	38.3	37.4	36.5	35.6
76	43.8	42.9	41.9	41.0	40.1	39.1	38.2	37.3	36.4	35.5
77	43.8	42.9	41.9	41.0	40.0	39.1	38.2	37.3	36.4	35.5
78	43.8	42.8	41.9	40.9	40.0	39.1	38.2	37.2	36.3	35.4
79	43.8	42.8	41.9	40.9	40.0	39.1	38.1	37.2	36.3	35.4
80	43.7	42.8	41.8	40.9	40.0	39.0	38.1	37.2	36.3	35.4
81	43.7	42.8	41.8	40.9	39.9	39.0	38.1	37.2	36.2	35.3
82	43.7	42.8	41.8	40.9	39.9	39.0	38.1	37.1	36.2	35.3
83	43.7	42.8	41.8	40.9	39.9	39.0	38.0	37.1	36.2	35.3
84	43.7	42.7	41.8	40.8	39.9	39.0	38.0	37.1	36.2	35.3
85	43.7	42.7	41.8	40.8	39.9	38.9	38.0	37.1	36.2	35.2
86	43.7	42.7	41.8	40.8	39.9	38.9	38.0	37.1	36.1	35.2
87	43.7	42.7	41.8	40.8	39.9	38.9	38.0	37.0	36.1	35.2
88	43.7	42.7	41.8	40.8	39.9	38.9	38.0	37.0	36.1	35.2
89	43.7	42.7	41.7	40.8	39.8	38.9	38.0	37.0	36.1	35.2
90	43.7	42.7	41.7	40.8	39.8	38.9	38.0	37.0	36.1	35.2
91	43.7	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.2
92	43.7	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1
93	43.7	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1
94	43.7	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1

AGES	40	41	42	43	44	45	46	47	48	49
95	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1
96	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1
97	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.1	35.1
98	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
99	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
100	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
101	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
102	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
103	43.6	42.7	41.7	40.8	39.8	38.9	37.9	37.0	36.0	35.1
104	43.6	42.7	41.7	40.8	39.8	38.8	37.9	37.0	36.0	35.1
105	43.6	42.7	41.7	40.8	39.8	38.8	37.9	37.0	36.0	35.1
106	43.6	42.7	41.7	40.8	39.8	38.8	37.9	37.0	36.0	35.1
107	43.6	42.7	41.7	40.8	39.8	38.8	37.9	37.0	36.0	35.1
108	43.6	42.7	41.7	40.8	39.8	38.8	37.9	37.0	36.0	35.1
109	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
110	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
111	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
112	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
113	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
114	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1
115+	43.6	42.7	41.7	40.7	39.8	38.8	37.9	37.0	36.0	35.1

AGES	50	51	52	53	54	55	56	57	58	59
50	40.4	40.0	39.5	39.1	38.7	38.3	38.0	37.6	37.3	37.1
51	40.0	39.5	39.0	38.5	38.1	37.7	37.4	37.0	36.7	36.4
52	39.5	39.0	38.5	38.0	37.6	37.2	36.8	36.4	36.0	35.7
53	39.1	38.5	38.0	37.5	37.1	36.6	36.2	35.8	35.4	35.1
54	38.7	38.1	37.6	37.1	36.6	36.1	35.7	35.2	34.8	34.5
55	38.3	37.7	37.2	36.6	36.1	35.6	35.1	34.7	34.3	33.9
56	38.0	37.4	36.8	36.2	35.7	35.1	34.7	34.2	33.7	33.3
57	37.6	37.0	36.4	35.8	35.2	34.7	34.2	33.7	33.2	32.8
58	37.3	36.7	36.0	35.4	34.8	34.3	33.7	33.2	32.8	32.3
59	37.1	36.4	35.7	35.1	34.5	33.9	33.3	32.8	32.3	31.8
60	36.8	36.1	35.4	34.8	34.1	33.5	32.9	32.4	31.9	31.3
61	36.6	35.8	35.1	34.5	33.8	33.2	32.6	32.0	31.4	30.9
62	36.3	35.6	34.9	34.2	33.5	32.9	32.2	31.6	31.1	30.5
63	36.1	35.4	34.6	33.9	33.2	32.6	31.9	31.3	30.7	30.1
64	35.9	35.2	34.4	33.7	33.0	32.3	31.6	31.0	30.4	29.8
65	35.8	35.0	34.2	33.5	32.7	32.0	31.4	30.7	30.0	29.4
66	35.6	34.8	34.0	33.3	32.5	31.8	31.1	30.4	29.8	29.1
67	35.5	34.7	33.9	33.1	32.3	31.6	30.9	30.2	29.5	28.8
68	35.3	34.5	33.7	32.9	32.1	31.4	30.7	29.9	29.2	28.6
69	35.2	34.4	33.6	32.8	32.0	31.2	30.5	29.7	29.0	28.3
70	35.1	34.3	33.4	32.6	31.8	31.1	30.3	29.5	28.8	28.1
71	35.0	34.2	33.3	32.5	31.7	30.9	30.1	29.4	28.6	27.9
72	34.9	34.1	33.2	32.4	31.6	30.8	30.0	29.2	28.4	27.7
73	34.8	34.0	33.1	32.3	31.5	30.6	29.8	29.1	28.3	27.5
74	34.8	33.9	33.0	32.2	31.4	30.5	29.7	28.9	28.1	27.4
75	34.7	33.8	33.0	32.1	31.3	30.4	29.6	28.8	28.0	27.2
76	34.6	33.8	32.9	32.0	31.2	30.3	29.5	28.7	27.9	27.1
77	34.6	33.7	32.8	32.0	31.1	30.3	29.4	28.6	27.8	27.0
78	34.5	33.6	32.8	31.9	31.0	30.2	29.3	28.5	27.7	26.9
79	34.5	33.6	32.7	31.8	31.0	30.1	29.3	28.4	27.6	26.8
80	34.5	33.6	32.7	31.8	30.9	30.1	29.2	28.4	27.5	26.7
81	34.4	33.5	32.6	31.8	30.9	30.0	29.2	28.3	27.5	26.6
82	34.4	33.5	32.6	31.7	30.8	30.0	29.1	28.3	27.4	26.6
83	34.4	33.5	32.6	31.7	30.8	29.9	29.1	28.2	27.4	26.5
84	34.3	33.4	32.5	31.7	30.8	29.9	29.0	28.2	27.3	26.5
85	34.3	33.4	32.5	31.6	30.7	29.9	29.0	28.1	27.3	26.4
86	34.3	33.4	32.5	31.6	30.7	29.8	29.0	28.1	27.2	26.4
87	34.3	33.4	32.5	31.6	30.7	29.8	28.9	28.1	27.2	26.4
88	34.3	33.4	32.5	31.6	30.7	29.8	28.9	28.0	27.2	26.3
89	34.3	33.3	32.4	31.5	30.7	29.8	28.9	28.0	27.2	26.3
90	34.2	33.3	32.4	31.5	30.6	29.8	28.9	28.0	27.1	26.3
91	34.2	33.3	32.4	31.5	30.6	29.7	28.9	28.0	27.1	26.3
92	34.2	33.3	32.4	31.5	30.6	29.7	28.8	28.0	27.1	26.2
93	34.2	33.3	32.4	31.5	30.6	29.7	28.8	28.0	27.1	26.2
94	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.1	26.2
95	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.1	26.2
96	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.2
97	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.2
98	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.2
99	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.2
100	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.1
101	34.2	33.3	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.1
102	34.2	33.3	32.4	31.4	30.5	29.7	28.8	27.9	27.0	26.1
103	34.2	33.3	32.4	31.4	30.5	29.7	28.8	27.9	27.0	26.1
104	34.2	33.3	32.4	31.4	30.5	29.6	28.8	27.9	27.0	26.1

AGES	50	51	52	53	54	55	56	57	58	59
105	34.2	33.3	32.3	31.4	30.5	29.6	28.8	27.9	27.0	26.1
106	34.2	33.3	32.3	31.4	30.5	29.6	28.8	27.9	27.0	26.1
107	34.2	33.3	32.3	31.4	30.5	29.6	28.8	27.9	27.0	26.1
108	34.2	33.3	32.3	31.4	30.5	29.6	28.8	27.9	27.0	26.1
109	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
110	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
111	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
112	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
113	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
114	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1
115+	34.2	33.3	32.3	31.4	30.5	29.6	28.7	27.9	27.0	26.1

AGES	60	61	62	63	64	65	66	67	68	69
60	30.9	30.4	30.0	29.6	29.2	28.8	28.5	28.2	27.9	27.6
61	30.4	29.9	29.5	29.0	28.6	28.3	27.9	27.6	27.3	27.0
62	30.0	29.5	29.0	28.5	28.1	27.7	27.3	27.0	26.7	26.4
63	29.6	29.0	28.5	28.1	27.6	27.2	26.8	26.4	26.1	25.7
64	29.2	28.6	28.1	27.6	27.1	26.7	26.3	25.9	25.5	25.2
65	28.8	28.3	27.7	27.2	26.7	26.2	25.8	25.4	25.0	24.6
66	28.5	27.9	27.3	26.8	26.3	25.8	25.3	24.9	24.5	24.1
67	28.2	27.6	27.0	26.4	25.9	25.4	24.9	24.4	24.0	23.6
68	27.9	27.3	26.7	26.1	25.5	25.0	24.5	24.0	23.5	23.1
69	27.6	27.0	26.4	25.7	25.2	24.6	24.1	23.6	23.1	22.6
70	27.4	26.7	26.1	25.4	24.8	24.3	23.7	23.2	22.7	22.2
71	27.2	26.5	25.8	25.2	24.5	23.9	23.4	22.8	22.3	21.8
72	27.0	26.3	25.6	24.9	24.3	23.7	23.1	22.5	22.0	21.4
73	26.8	26.1	25.4	24.7	24.0	23.4	22.8	22.2	21.6	21.1
74	26.6	25.9	25.2	24.5	23.8	23.1	22.5	21.9	21.3	20.8
75	26.5	25.7	25.0	24.3	23.6	22.9	22.3	21.6	21.0	20.5
76	26.3	25.6	24.8	24.1	23.4	22.7	22.0	21.4	20.8	20.2
77	26.2	25.4	24.7	23.9	23.2	22.5	21.8	21.2	20.6	19.9
78	26.1	25.3	24.6	23.8	23.1	22.4	21.7	21.0	20.3	19.7
79	26.0	25.2	24.4	23.7	22.9	22.2	21.5	20.8	20.1	19.5
80	25.9	25.1	24.3	23.6	22.8	22.1	21.3	20.6	20.0	19.3
81	25.8	25.0	24.2	23.4	22.7	21.9	21.2	20.5	19.8	19.1
82	25.8	24.9	24.1	23.4	22.6	21.8	21.1	20.4	19.7	19.0
83	25.7	24.9	24.1	23.3	22.5	21.7	21.0	20.2	19.5	18.8
84	25.6	24.8	24.0	23.2	22.4	21.6	20.9	20.1	19.4	18.7
85	25.6	24.8	23.9	23.1	22.3	21.6	20.8	20.1	19.3	18.6
86	25.5	24.7	23.9	23.1	22.3	21.5	20.7	20.0	19.2	18.5
87	25.5	24.7	23.8	23.0	22.2	21.4	20.7	19.9	19.2	18.4
88	25.5	24.6	23.8	23.0	22.2	21.4	20.6	19.8	19.1	18.3
89	25.4	24.6	23.8	22.9	22.1	21.3	20.5	19.8	19.0	18.3
90	25.4	24.6	23.7	22.9	22.1	21.3	20.5	19.7	19.0	18.2
91	25.4	24.5	23.7	22.9	22.1	21.3	20.5	19.7	18.9	18.2
92	25.4	24.5	23.7	22.9	22.0	21.2	20.4	19.6	18.9	18.1
93	25.4	24.5	23.7	22.8	22.0	21.2	20.4	19.6	18.8	18.1
94	25.3	24.5	23.6	22.8	22.0	21.2	20.4	19.6	18.8	18.0
95	25.3	24.5	23.6	22.8	22.0	21.1	20.3	19.6	18.8	18.0
96	25.3	24.5	23.6	22.8	21.9	21.1	20.3	19.5	18.8	18.0
97	25.3	24.5	23.6	22.8	21.9	21.1	20.3	19.5	18.7	18.0
98	25.3	24.4	23.6	22.8	21.9	21.1	20.3	19.5	18.7	17.9
99	25.3	24.4	23.6	22.7	21.9	21.1	20.3	19.5	18.7	17.9
100	25.3	24.4	23.6	22.7	21.9	21.1	20.3	19.5	18.7	17.9
101	25.3	24.4	23.6	22.7	21.9	21.1	20.2	19.4	18.7	17.9
102	25.3	24.4	23.6	22.7	21.9	21.1	20.2	19.4	18.6	17.9
103	25.3	24.4	23.6	22.7	21.9	21.0	20.2	19.4	18.6	17.9
104	25.3	24.4	23.5	22.7	21.9	21.0	20.2	19.4	18.6	17.8
105	25.3	24.4	23.5	22.7	21.9	21.0	20.2	19.4	18.6	17.8
106	25.3	24.4	23.5	22.7	21.9	21.0	20.2	19.4	18.6	17.8
107	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
108	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
109	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
110	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
111	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
112	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
113	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
114	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8
115+	25.2	24.4	23.5	22.7	21.8	21.0	20.2	19.4	18.6	17.8

AGES	70	71	72	73	74	75	76	77	78	79
70	21.8	21.3	20.9	20.6	20.2	19.9	19.6	19.4	19.1	18.9
71	21.3	20.9	20.5	20.1	19.7	19.4	19.1	18.8	18.5	18.3
72	20.9	20.5	20.0	19.6	19.3	18.9	18.6	18.3	18.0	17.7
73	20.6	20.1	19.6	19.2	18.8	18.4	18.1	17.8	17.5	17.2
74	20.2	19.7	19.3	18.8	18.4	18.0	17.6	17.3	17.0	16.7
75	19.9	19.4	18.9	18.4	18.0	17.6	17.2	16.8	16.5	16.2
76	19.6	19.1	18.6	18.1	17.6	17.2	16.8	16.4	16.0	15.7
77	19.4	18.8	18.3	17.8	17.3	16.8	16.4	16.0	15.6	15.3
78	19.1	18.5	18.0	17.5	17.0	16.5	16.0	15.6	15.2	14.9
79	18.9	18.3	17.7	17.2	16.7	16.2	15.7	15.3	14.9	14.5
80	18.7	18.1	17.5	16.9	16.4	15.9	15.4	15.0	14.5	14.1
81	18.5	17.9	17.3	16.7	16.2	15.6	15.1	14.7	14.2	13.8
82	18.3	17.7	17.1	16.5	15.9	15.4	14.9	14.4	13.9	13.5
83	18.2	17.5	16.9	16.3	15.7	15.2	14.7	14.2	13.7	13.2
84	18.0	17.4	16.7	16.1	15.5	15.0	14.4	13.9	13.4	13.0
85	17.9	17.3	16.6	16.0	15.4	14.8	14.3	13.7	13.2	12.8
86	17.8	17.1	16.5	15.8	15.2	14.6	14.1	13.5	13.0	12.5
87	17.7	17.0	16.4	15.7	15.1	14.5	13.9	13.4	12.9	12.4
88	17.6	16.9	16.3	15.6	15.0	14.4	13.8	13.2	12.7	12.2
89	17.6	16.9	16.2	15.5	14.9	14.3	13.7	13.1	12.6	12.0
90	17.5	16.8	16.1	15.4	14.8	14.2	13.6	13.0	12.4	11.9
91	17.4	16.7	16.0	15.4	14.7	14.1	13.5	12.9	12.3	11.8
92	17.4	16.7	16.0	15.3	14.6	14.0	13.4	12.8	12.2	11.7
93	17.3	16.6	15.9	15.2	14.6	13.9	13.3	12.7	12.1	11.6
94	17.3	16.6	15.9	15.2	14.5	13.9	13.2	12.6	12.0	11.5
95	17.3	16.5	15.8	15.1	14.5	13.8	13.2	12.6	12.0	11.4
96	17.2	16.5	15.8	15.1	14.4	13.8	13.1	12.5	11.9	11.3
97	17.2	16.5	15.8	15.1	14.4	13.7	13.1	12.5	11.9	11.3
98	17.2	16.4	15.7	15.0	14.3	13.7	13.0	12.4	11.8	11.2
99	17.2	16.4	15.7	15.0	14.3	13.6	13.0	12.4	11.8	11.2
100	17.1	16.4	15.7	15.0	14.3	13.6	12.9	12.3	11.7	11.1
101	17.1	16.4	15.6	14.9	14.2	13.6	12.9	12.3	11.7	11.1
102	17.1	16.4	15.6	14.9	14.2	13.5	12.9	12.2	11.6	11.0
103	17.1	16.3	15.6	14.9	14.2	13.5	12.9	12.2	11.6	11.0
104	17.1	16.3	15.6	14.9	14.2	13.5	12.8	12.2	11.6	11.0
105	17.1	16.3	15.6	14.9	14.2	13.5	12.8	12.2	11.5	10.9
106	17.1	16.3	15.6	14.8	14.1	13.5	12.8	12.2	11.5	10.9
107	17.0	16.3	15.6	14.8	14.1	13.4	12.8	12.1	11.5	10.9
108	17.0	16.3	15.5	14.8	14.1	13.4	12.8	12.1	11.5	10.9
109	17.0	16.3	15.5	14.8	14.1	13.4	12.8	12.1	11.5	10.9
110	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.5	10.9
111	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.5	10.8
112	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.5	10.8
113	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.4	10.8
114	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.4	10.8
115+	17.0	16.3	15.5	14.8	14.1	13.4	12.7	12.1	11.4	10.8

AGES	80	81	82	83	84	85	86	87	88	89
80	13.8	13.4	13.1	12.8	12.6	12.3	12.1	11.9	11.7	11.5
81	13.4	13.1	12.7	12.4	12.2	11.9	11.7	11.4	11.3	11.1
82	13.1	12.7	12.4	12.1	11.8	11.5	11.3	11.0	10.8	10.6
83	12.8	12.4	12.1	11.7	11.4	11.1	10.9	10.6	10.4	10.2
84	12.6	12.2	11.8	11.4	11.1	10.8	10.5	10.3	10.1	9.9
85	12.3	11.9	11.5	11.1	10.8	10.5	10.2	9.9	9.7	9.5
86	12.1	11.7	11.3	10.9	10.5	10.2	9.9	9.6	9.4	9.2
87	11.9	11.4	11.0	10.6	10.3	9.9	9.6	9.4	9.1	8.9
88	11.7	11.3	10.8	10.4	10.1	9.7	9.4	9.1	8.8	8.6
89	11.5	11.1	10.6	10.2	9.9	9.5	9.2	8.9	8.6	8.3
90	11.4	10.9	10.5	10.1	9.7	9.3	9.0	8.6	8.3	8.1
91	11.3	10.8	10.3	9.9	9.5	9.1	8.8	8.4	8.1	7.9
92	11.2	10.7	10.2	9.8	9.3	9.0	8.6	8.3	8.0	7.7
93	11.1	10.6	10.1	9.6	9.2	8.8	8.5	8.1	7.8	7.5
94	11.0	10.5	10.0	9.5	9.1	8.7	8.3	8.0	7.6	7.3
95	10.9	10.4	9.9	9.4	9.0	8.6	8.2	7.8	7.5	7.2
96	10.8	10.3	9.8	9.3	8.9	8.5	8.1	7.7	7.4	7.1
97	10.7	10.2	9.7	9.2	8.8	8.4	8.0	7.6	7.3	6.9
98	10.7	10.1	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.8
99	10.6	10.1	9.6	9.1	8.6	8.2	7.8	7.4	7.0	6.7
100	10.6	10.0	9.5	9.0	8.5	8.1	7.7	7.3	6.9	6.6
101	10.5	10.0	9.4	9.0	8.5	8.0	7.6	7.2	6.9	6.5
102	10.5	9.9	9.4	8.9	8.4	8.0	7.5	7.1	6.8	6.4
103	10.4	9.9	9.4	8.8	8.4	7.9	7.5	7.1	6.7	6.3
104	10.4	9.8	9.3	8.8	8.3	7.9	7.4	7.0	6.6	6.3
105	10.4	9.8	9.3	8.8	8.3	7.8	7.4	7.0	6.6	6.2
106	10.3	9.8	9.2	8.7	8.2	7.8	7.3	6.9	6.5	6.2
107	10.3	9.8	9.2	8.7	8.2	7.7	7.3	6.9	6.5	6.1
108	10.3	9.7	9.2	8.7	8.2	7.7	7.3	6.8	6.4	6.1
109	10.3	9.7	9.2	8.7	8.2	7.7	7.2	6.8	6.4	6.0
110	10.3	9.7	9.2	8.6	8.1	7.7	7.2	6.8	6.4	6.0
111	10.3	9.7	9.1	8.6	8.1	7.6	7.2	6.8	6.3	6.0
112	10.2	9.7	9.1	8.6	8.1	7.6	7.2	6.7	6.3	5.9
113	10.2	9.7	9.1	8.6	8.1	7.6	7.2	6.7	6.3	5.9
114	10.2	9.7	9.1	8.6	8.1	7.6	7.1	6.7	6.3	5.9
115+	10.2	9.7	9.1	8.6	8.1	7.6	7.1	6.7	6.3	5.9

AGES	90	91	92	93	94	95	96	97	98	99
90	7.8	7.6	7.4	7.2	7.1	6.9	6.8	6.6	6.5	6.4
91	7.6	7.4	7.2	7.0	6.8	6.7	6.5	6.4	6.3	6.1
92	7.4	7.2	7.0	6.8	6.6	6.4	6.3	6.1	6.0	5.9
93	7.2	7.0	6.8	6.6	6.4	6.2	6.1	5.9	5.8	5.6
94	7.1	6.8	6.6	6.4	6.2	6.0	5.9	5.7	5.6	5.4
95	6.9	6.7	6.4	6.2	6.0	5.8	5.7	5.5	5.4	5.2
96	6.8	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.2	5.0
97	6.6	6.4	6.1	5.9	5.7	5.5	5.3	5.2	5.0	4.9
98	6.5	6.3	6.0	5.8	5.6	5.4	5.2	5.0	4.8	4.7
99	6.4	6.1	5.9	5.6	5.4	5.2	5.0	4.9	4.7	4.5
100	6.3	6.0	5.8	5.5	5.3	5.1	4.9	4.7	4.5	4.4
101	6.2	5.9	5.6	5.4	5.2	5.0	4.8	4.6	4.4	4.2
102	6.1	5.8	5.5	5.3	5.1	4.8	4.6	4.4	4.3	4.1
103	6.0	5.7	5.4	5.2	5.0	4.7	4.5	4.3	4.1	4.0
104	5.9	5.6	5.4	5.1	4.9	4.6	4.4	4.2	4.0	3.8
105	5.9	5.6	5.3	5.0	4.8	4.5	4.3	4.1	3.9	3.7
106	5.8	5.5	5.2	4.9	4.7	4.5	4.2	4.0	3.8	3.6
107	5.8	5.4	5.1	4.9	4.6	4.4	4.2	3.9	3.7	3.5
108	5.7	5.4	5.1	4.8	4.6	4.3	4.1	3.9	3.7	3.5
109	5.7	5.3	5.0	4.8	4.5	4.3	4.0	3.8	3.6	3.4
110	5.6	5.3	5.0	4.7	4.5	4.2	4.0	3.8	3.5	3.3
111	5.6	5.3	5.0	4.7	4.4	4.2	3.9	3.7	3.5	3.3
112	5.6	5.3	4.9	4.7	4.4	4.1	3.9	3.7	3.5	3.2
113	5.6	5.2	4.9	4.6	4.4	4.1	3.9	3.6	3.4	3.2
114	5.6	5.2	4.9	4.6	4.3	4.1	3.9	3.6	3.4	3.2
115+	5.5	5.2	4.9	4.6	4.3	4.1	3.8	3.6	3.4	3.1