**Section 1412.APPENDIX A 2001 CSO Mortality Tables**

**Section 1412.ILLUSTRATION K Female Composite Select & Ultimate Age Last Birthday**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Female – Composite – Age Last Birthday | | | | | | | | | | | | | |  |
| Issue Age | Duration | | | | | | | | | | | | | |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | con't | |
| 0 | 0.42 | 0.31 | 0.23 | 0.20 | 0.19 | 0.18 | 0.19 | 0.21 | 0.21 | 0.21 | 0.22 | 0.25 | 0.27 | con't | |
| 1 | 0.31 | 0.23 | 0.19 | 0.19 | 0.18 | 0.18 | 0.20 | 0.21 | 0.21 | 0.21 | 0.24 | 0.27 | 0.30 | con't | |
| 2 | 0.23 | 0.19 | 0.19 | 0.18 | 0.18 | 0.18 | 0.21 | 0.21 | 0.21 | 0.22 | 0.25 | 0.29 | 0.33 | con't | |
| 3 | 0.19 | 0.19 | 0.18 | 0.18 | 0.18 | 0.19 | 0.21 | 0.21 | 0.22 | 0.24 | 0.28 | 0.32 | 0.35 | con't | |
| 4 | 0.19 | 0.18 | 0.18 | 0.18 | 0.19 | 0.19 | 0.21 | 0.21 | 0.24 | 0.27 | 0.32 | 0.34 | 0.37 | con't | |
| 5 | 0.18 | 0.18 | 0.18 | 0.19 | 0.19 | 0.19 | 0.21 | 0.23 | 0.27 | 0.31 | 0.34 | 0.37 | 0.39 | con't | |
| 6 | 0.18 | 0.18 | 0.19 | 0.19 | 0.19 | 0.21 | 0.23 | 0.27 | 0.31 | 0.34 | 0.36 | 0.38 | 0.41 | con't | |
| 7 | 0.18 | 0.19 | 0.19 | 0.19 | 0.19 | 0.23 | 0.25 | 0.30 | 0.34 | 0.36 | 0.38 | 0.40 | 0.42 | con't | |
| 8 | 0.19 | 0.19 | 0.19 | 0.19 | 0.21 | 0.25 | 0.29 | 0.33 | 0.35 | 0.37 | 0.40 | 0.41 | 0.43 | con't | |
| 9 | 0.19 | 0.19 | 0.19 | 0.21 | 0.23 | 0.29 | 0.33 | 0.35 | 0.36 | 0.39 | 0.41 | 0.42 | 0.45 | con't | |
| 10 | 0.19 | 0.19 | 0.21 | 0.23 | 0.28 | 0.32 | 0.34 | 0.36 | 0.38 | 0.40 | 0.41 | 0.44 | 0.46 | con't | |
| 11 | 0.19 | 0.21 | 0.23 | 0.28 | 0.32 | 0.33 | 0.35 | 0.37 | 0.39 | 0.41 | 0.43 | 0.45 | 0.48 | con't | |
| 12 | 0.21 | 0.23 | 0.28 | 0.32 | 0.33 | 0.34 | 0.36 | 0.38 | 0.40 | 0.42 | 0.44 | 0.47 | 0.50 | con't | |
| 13 | 0.23 | 0.28 | 0.32 | 0.33 | 0.34 | 0.35 | 0.37 | 0.39 | 0.41 | 0.43 | 0.46 | 0.49 | 0.52 | con't | |
| 14 | 0.28 | 0.32 | 0.33 | 0.34 | 0.35 | 0.36 | 0.38 | 0.39 | 0.42 | 0.44 | 0.48 | 0.51 | 0.54 | con't | |
| 15 | 0.32 | 0.33 | 0.34 | 0.34 | 0.36 | 0.37 | 0.38 | 0.40 | 0.43 | 0.46 | 0.49 | 0.53 | 0.57 | con't | |
| 16 | 0.33 | 0.34 | 0.34 | 0.35 | 0.36 | 0.37 | 0.39 | 0.42 | 0.45 | 0.48 | 0.51 | 0.56 | 0.60 | con't | |
| 17 | 0.34 | 0.34 | 0.35 | 0.35 | 0.36 | 0.38 | 0.40 | 0.44 | 0.47 | 0.50 | 0.55 | 0.59 | 0.64 | con't | |
| 18 | 0.33 | 0.34 | 0.34 | 0.35 | 0.37 | 0.39 | 0.42 | 0.45 | 0.49 | 0.53 | 0.58 | 0.63 | 0.68 | con't | |
| 19 | 0.32 | 0.33 | 0.34 | 0.36 | 0.37 | 0.41 | 0.44 | 0.47 | 0.52 | 0.56 | 0.62 | 0.67 | 0.73 | con't | |
| 20 | 0.30 | 0.32 | 0.34 | 0.35 | 0.39 | 0.42 | 0.46 | 0.50 | 0.55 | 0.60 | 0.66 | 0.72 | 0.78 | con't | |
| 21 | 0.29 | 0.31 | 0.33 | 0.37 | 0.40 | 0.44 | 0.49 | 0.53 | 0.59 | 0.64 | 0.70 | 0.76 | 0.82 | con't | |
| 22 | 0.27 | 0.30 | 0.34 | 0.38 | 0.42 | 0.47 | 0.52 | 0.57 | 0.63 | 0.69 | 0.75 | 0.81 | 0.88 | con't | |
| 23 | 0.26 | 0.30 | 0.34 | 0.39 | 0.44 | 0.49 | 0.54 | 0.60 | 0.67 | 0.73 | 0.79 | 0.86 | 0.93 | con't | |
| 24 | 0.26 | 0.31 | 0.35 | 0.41 | 0.46 | 0.51 | 0.58 | 0.64 | 0.71 | 0.77 | 0.84 | 0.91 | 0.98 | con't | |
| 25 | 0.25 | 0.31 | 0.37 | 0.42 | 0.48 | 0.54 | 0.61 | 0.67 | 0.74 | 0.81 | 0.89 | 0.95 | 1.03 | con't | |
| 26 | 0.27 | 0.33 | 0.38 | 0.44 | 0.50 | 0.57 | 0.64 | 0.70 | 0.78 | 0.85 | 0.92 | 0.99 | 1.08 | con't | |
| 27 | 0.29 | 0.34 | 0.40 | 0.46 | 0.53 | 0.60 | 0.66 | 0.74 | 0.81 | 0.88 | 0.96 | 1.04 | 1.13 | con't | |
| 28 | 0.30 | 0.36 | 0.42 | 0.49 | 0.55 | 0.62 | 0.69 | 0.77 | 0.84 | 0.92 | 1.01 | 1.10 | 1.20 | con't | |
| 29 | 0.32 | 0.39 | 0.45 | 0.51 | 0.58 | 0.65 | 0.72 | 0.80 | 0.88 | 0.97 | 1.06 | 1.16 | 1.28 | con't | |
| 30 | 0.35 | 0.41 | 0.47 | 0.54 | 0.61 | 0.68 | 0.75 | 0.83 | 0.92 | 1.02 | 1.12 | 1.24 | 1.38 | con't | |
| 31 | 0.38 | 0.44 | 0.50 | 0.57 | 0.64 | 0.71 | 0.79 | 0.88 | 0.97 | 1.09 | 1.21 | 1.35 | 1.50 | con't | |
| 32 | 0.40 | 0.46 | 0.52 | 0.60 | 0.67 | 0.75 | 0.84 | 0.93 | 1.05 | 1.18 | 1.32 | 1.47 | 1.65 | con't | |
| 33 | 0.41 | 0.48 | 0.55 | 0.62 | 0.71 | 0.80 | 0.90 | 1.01 | 1.14 | 1.28 | 1.44 | 1.62 | 1.82 | con't | |
| 34 | 0.43 | 0.50 | 0.57 | 0.66 | 0.75 | 0.85 | 0.97 | 1.11 | 1.25 | 1.41 | 1.59 | 1.79 | 2.02 | con't | |
| con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | 1 of 6 | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Female – Composite – Age Last Birthday | | | | | | | | | | | | |  |
| Issue Age | Duration | | | | | | | | | | | | | Att Age |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | Ultimate |
| 0 | 0.31 | 0.34 | 0.36 | 0.39 | 0.41 | 0.44 | 0.46 | 0.47 | 0.49 | 0.50 | 0.51 | 0.53 | 0.55 | 25 |
| 1 | 0.33 | 0.36 | 0.39 | 0.41 | 0.43 | 0.45 | 0.47 | 0.49 | 0.50 | 0.51 | 0.53 | 0.55 | 0.58 | 26 |
| 2 | 0.35 | 0.38 | 0.40 | 0.43 | 0.45 | 0.46 | 0.48 | 0.50 | 0.51 | 0.53 | 0.55 | 0.58 | 0.61 | 27 |
| 3 | 0.38 | 0.40 | 0.42 | 0.44 | 0.46 | 0.48 | 0.49 | 0.51 | 0.53 | 0.55 | 0.58 | 0.61 | 0.64 | 28 |
| 4 | 0.39 | 0.42 | 0.44 | 0.45 | 0.48 | 0.49 | 0.51 | 0.53 | 0.55 | 0.58 | 0.61 | 0.64 | 0.67 | 29 |
| 5 | 0.41 | 0.43 | 0.45 | 0.47 | 0.49 | 0.51 | 0.53 | 0.55 | 0.58 | 0.61 | 0.64 | 0.67 | 0.70 | 30 |
| 6 | 0.42 | 0.44 | 0.47 | 0.48 | 0.51 | 0.53 | 0.55 | 0.58 | 0.61 | 0.64 | 0.67 | 0.70 | 0.75 | 31 |
| 7 | 0.43 | 0.46 | 0.48 | 0.50 | 0.53 | 0.55 | 0.58 | 0.61 | 0.64 | 0.67 | 0.70 | 0.75 | 0.79 | 32 |
| 8 | 0.45 | 0.47 | 0.50 | 0.52 | 0.55 | 0.57 | 0.61 | 0.64 | 0.67 | 0.70 | 0.75 | 0.79 | 0.85 | 33 |
| 9 | 0.46 | 0.49 | 0.52 | 0.54 | 0.57 | 0.61 | 0.64 | 0.67 | 0.70 | 0.75 | 0.79 | 0.85 | 0.92 | 34 |
| 10 | 0.48 | 0.51 | 0.54 | 0.56 | 0.60 | 0.64 | 0.67 | 0.70 | 0.75 | 0.79 | 0.85 | 0.92 | 1.00 | 35 |
| 11 | 0.50 | 0.53 | 0.56 | 0.60 | 0.63 | 0.67 | 0.70 | 0.75 | 0.79 | 0.85 | 0.92 | 1.00 | 1.07 | 36 |
| 12 | 0.53 | 0.55 | 0.60 | 0.63 | 0.66 | 0.70 | 0.75 | 0.79 | 0.85 | 0.92 | 1.00 | 1.06 | 1.14 | 37 |
| 13 | 0.55 | 0.59 | 0.63 | 0.66 | 0.70 | 0.75 | 0.79 | 0.85 | 0.92 | 1.00 | 1.06 | 1.13 | 1.20 | 38 |
| 14 | 0.58 | 0.62 | 0.66 | 0.70 | 0.75 | 0.79 | 0.85 | 0.92 | 1.00 | 1.06 | 1.12 | 1.19 | 1.26 | 39 |
| 15 | 0.61 | 0.66 | 0.70 | 0.75 | 0.79 | 0.85 | 0.92 | 1.00 | 1.06 | 1.12 | 1.19 | 1.26 | 1.34 | 40 |
| 16 | 0.65 | 0.70 | 0.75 | 0.79 | 0.85 | 0.92 | 1.00 | 1.06 | 1.12 | 1.19 | 1.26 | 1.34 | 1.43 | 41 |
| 17 | 0.69 | 0.75 | 0.79 | 0.85 | 0.92 | 1.00 | 1.06 | 1.12 | 1.19 | 1.26 | 1.34 | 1.43 | 1.53 | 42 |
| 18 | 0.74 | 0.79 | 0.85 | 0.92 | 1.00 | 1.06 | 1.12 | 1.19 | 1.26 | 1.34 | 1.43 | 1.53 | 1.65 | 43 |
| 19 | 0.79 | 0.85 | 0.92 | 0.99 | 1.06 | 1.12 | 1.19 | 1.26 | 1.34 | 1.43 | 1.53 | 1.65 | 1.79 | 44 |
| 20 | 0.84 | 0.91 | 0.98 | 1.04 | 1.12 | 1.19 | 1.26 | 1.34 | 1.43 | 1.53 | 1.65 | 1.79 | 1.96 | 45 |
| 21 | 0.90 | 0.96 | 1.03 | 1.10 | 1.18 | 1.25 | 1.34 | 1.43 | 1.53 | 1.65 | 1.79 | 1.96 | 2.16 | 46 |
| 22 | 0.95 | 1.01 | 1.09 | 1.16 | 1.24 | 1.33 | 1.43 | 1.53 | 1.65 | 1.79 | 1.96 | 2.16 | 2.38 | 47 |
| 23 | 1.00 | 1.07 | 1.15 | 1.22 | 1.32 | 1.42 | 1.53 | 1.65 | 1.79 | 1.96 | 2.16 | 2.38 | 2.64 | 48 |
| 24 | 1.05 | 1.12 | 1.21 | 1.30 | 1.40 | 1.52 | 1.65 | 1.79 | 1.96 | 2.16 | 2.38 | 2.64 | 2.93 | 49 |
| 25 | 1.10 | 1.18 | 1.28 | 1.39 | 1.50 | 1.64 | 1.79 | 1.96 | 2.16 | 2.38 | 2.64 | 2.93 | 3.24 | 50 |
| 26 | 1.16 | 1.26 | 1.37 | 1.49 | 1.62 | 1.78 | 1.96 | 2.16 | 2.38 | 2.64 | 2.93 | 3.24 | 3.60 | 51 |
| 27 | 1.23 | 1.34 | 1.47 | 1.61 | 1.76 | 1.95 | 2.15 | 2.38 | 2.64 | 2.93 | 3.24 | 3.60 | 3.99 | 52 |
| 28 | 1.31 | 1.44 | 1.59 | 1.75 | 1.93 | 2.14 | 2.37 | 2.64 | 2.93 | 3.24 | 3.60 | 3.99 | 4.41 | 53 |
| 29 | 1.41 | 1.56 | 1.72 | 1.92 | 2.13 | 2.36 | 2.63 | 2.93 | 3.24 | 3.60 | 3.99 | 4.41 | 4.86 | 54 |
| 30 | 1.53 | 1.70 | 1.89 | 2.11 | 2.35 | 2.62 | 2.92 | 3.24 | 3.60 | 3.99 | 4.41 | 4.86 | 5.36 | 55 |
| 31 | 1.67 | 1.87 | 2.09 | 2.33 | 2.60 | 2.90 | 3.23 | 3.59 | 3.99 | 4.41 | 4.86 | 5.36 | 5.91 | 56 |
| 32 | 1.84 | 2.07 | 2.31 | 2.58 | 2.88 | 3.21 | 3.57 | 3.97 | 4.40 | 4.86 | 5.36 | 5.91 | 6.49 | 57 |
| 33 | 2.04 | 2.29 | 2.56 | 2.86 | 3.19 | 3.55 | 3.94 | 4.38 | 4.84 | 5.35 | 5.88 | 6.47 | 7.09 | 58 |
| 34 | 2.26 | 2.53 | 2.84 | 3.17 | 3.53 | 3.92 | 4.35 | 4.82 | 5.32 | 5.86 | 6.43 | 7.05 | 7.70 | 59 |
| con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | 2 of 6 |

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|  | Female – Composite – Age Last Birthday | | | | | | | | | | | | | | |  |
| Issue Age | Duration | | | | | | | | | | | | | | |  |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | con't | |
| 35 | | 0.44 | 0.52 | 0.60 | 0.70 | 0.80 | 0.92 | 1.06 | 1.21 | 1.37 | 1.55 | 1.76 | 1.99 | 2.24 | con't | |
| 36 | | 0.46 | 0.54 | 0.63 | 0.74 | 0.86 | 1.00 | 1.16 | 1.33 | 1.51 | 1.72 | 1.95 | 2.20 | 2.47 | con't | |
| 37 | | 0.48 | 0.57 | 0.67 | 0.80 | 0.94 | 1.09 | 1.26 | 1.45 | 1.66 | 1.90 | 2.15 | 2.42 | 2.73 | con't | |
| 38 | | 0.51 | 0.61 | 0.73 | 0.87 | 1.02 | 1.19 | 1.38 | 1.60 | 1.83 | 2.09 | 2.36 | 2.67 | 3.01 | con't | |
| 39 | | 0.55 | 0.67 | 0.80 | 0.95 | 1.12 | 1.31 | 1.52 | 1.76 | 2.01 | 2.29 | 2.60 | 2.94 | 3.31 | con't | |
| 40 | | 0.61 | 0.73 | 0.88 | 1.05 | 1.23 | 1.44 | 1.67 | 1.93 | 2.21 | 2.52 | 2.86 | 3.23 | 3.64 | con't | |
| 41 | | 0.67 | 0.81 | 0.98 | 1.16 | 1.36 | 1.59 | 1.84 | 2.12 | 2.44 | 2.78 | 3.14 | 3.55 | 3.99 | con't | |
| 42 | | 0.74 | 0.90 | 1.08 | 1.29 | 1.52 | 1.76 | 2.04 | 2.35 | 2.69 | 3.05 | 3.45 | 3.89 | 4.37 | con't | |
| 43 | | 0.82 | 1.00 | 1.21 | 1.44 | 1.69 | 1.96 | 2.26 | 2.60 | 2.96 | 3.36 | 3.79 | 4.26 | 4.78 | con't | |
| 44 | | 0.90 | 1.11 | 1.35 | 1.60 | 1.88 | 2.18 | 2.51 | 2.87 | 3.27 | 3.69 | 4.16 | 4.66 | 5.22 | con't | |
| 45 | | 0.99 | 1.24 | 1.50 | 1.78 | 2.08 | 2.42 | 2.78 | 3.17 | 3.59 | 4.05 | 4.55 | 5.10 | 5.70 | con't | |
| 46 | | 1.10 | 1.37 | 1.66 | 1.96 | 2.30 | 2.66 | 3.05 | 3.47 | 3.93 | 4.42 | 4.96 | 5.56 | 6.19 | con't | |
| 47 | | 1.22 | 1.51 | 1.82 | 2.16 | 2.52 | 2.91 | 3.33 | 3.79 | 4.28 | 4.81 | 5.39 | 6.03 | 6.72 | con't | |
| 48 | | 1.31 | 1.63 | 1.99 | 2.36 | 2.74 | 3.16 | 3.62 | 4.10 | 4.63 | 5.21 | 5.84 | 6.52 | 7.27 | con't | |
| 49 | | 1.39 | 1.76 | 2.17 | 2.55 | 2.96 | 3.41 | 3.89 | 4.41 | 4.98 | 5.61 | 6.28 | 7.03 | 7.84 | con't | |
| 50 | | 1.47 | 1.95 | 2.35 | 2.74 | 3.18 | 3.65 | 4.16 | 4.72 | 5.34 | 6.01 | 6.74 | 7.56 | 8.45 | con't | |
| 51 | | 1.55 | 2.15 | 2.54 | 2.94 | 3.39 | 3.88 | 4.42 | 5.02 | 5.69 | 6.42 | 7.22 | 8.11 | 9.08 | con't | |
| 52 | | 1.64 | 2.34 | 2.74 | 3.14 | 3.59 | 4.11 | 4.68 | 5.32 | 6.04 | 6.84 | 7.71 | 8.69 | 9.76 | con't | |
| 53 | | 1.74 | 2.50 | 2.94 | 3.34 | 3.81 | 4.35 | 4.96 | 5.65 | 6.42 | 7.29 | 8.25 | 9.32 | 10.51 | con't | |
| 54 | | 1.84 | 2.68 | 3.16 | 3.56 | 4.05 | 4.62 | 5.27 | 6.00 | 6.83 | 7.78 | 8.84 | 10.02 | 11.33 | con't | |
| 55 | | 1.97 | 2.86 | 3.40 | 3.81 | 4.32 | 4.91 | 5.61 | 6.39 | 7.30 | 8.33 | 9.50 | 10.80 | 12.26 | con't | |
| 56 | | 2.11 | 3.04 | 3.65 | 4.09 | 4.62 | 5.25 | 6.00 | 6.86 | 7.85 | 8.97 | 10.24 | 11.69 | 13.31 | con't | |
| 57 | | 2.21 | 3.24 | 3.91 | 4.38 | 4.97 | 5.65 | 6.45 | 7.40 | 8.47 | 9.71 | 11.10 | 12.70 | 14.49 | con't | |
| 58 | | 2.32 | 3.44 | 4.19 | 4.71 | 5.34 | 6.10 | 6.97 | 8.01 | 9.19 | 10.56 | 12.10 | 13.86 | 15.83 | con't | |
| 59 | | 2.46 | 3.63 | 4.48 | 5.04 | 5.73 | 6.57 | 7.55 | 8.70 | 10.01 | 11.52 | 13.23 | 15.17 | 17.37 | con't | |
| 60 | | 2.58 | 3.82 | 4.77 | 5.38 | 6.14 | 7.08 | 8.17 | 9.44 | 10.91 | 12.59 | 14.51 | 16.67 | 19.12 | con't | |
| 61 | | 2.72 | 4.02 | 5.05 | 5.71 | 6.56 | 7.60 | 8.82 | 10.24 | 11.90 | 13.79 | 15.93 | 18.37 | 21.10 | con't | |
| 62 | | 2.94 | 4.23 | 5.33 | 6.04 | 6.97 | 8.12 | 9.49 | 11.10 | 12.96 | 15.10 | 17.52 | 20.26 | 23.34 | con't | |
| 63 | | 3.22 | 4.80 | 5.62 | 6.38 | 7.38 | 8.66 | 10.19 | 12.01 | 14.11 | 16.53 | 19.27 | 22.36 | 25.83 | con't | |
| 64 | | 3.54 | 5.41 | 5.92 | 6.72 | 7.82 | 9.23 | 10.95 | 13.00 | 15.38 | 18.11 | 21.21 | 24.71 | 28.59 | con't | |
| 65 | | 3.81 | 5.74 | 6.24 | 7.10 | 8.30 | 9.86 | 11.79 | 14.10 | 16.78 | 19.87 | 23.37 | 27.30 | 31.68 | con't | |
| 66 | | 3.97 | 6.10 | 6.61 | 7.53 | 8.86 | 10.60 | 12.76 | 15.35 | 18.37 | 21.84 | 25.78 | 30.20 | 35.11 | con't | |
| 67 | | 4.25 | 6.50 | 7.04 | 8.05 | 9.52 | 11.47 | 13.89 | 16.79 | 20.19 | 24.09 | 28.51 | 33.44 | 38.94 | con't | |
| 68 | | 4.69 | 6.93 | 7.54 | 8.67 | 10.32 | 12.50 | 15.21 | 18.47 | 22.27 | 26.64 | 31.57 | 37.09 | 43.20 | con't | |
| 69 | | 5.17 | 7.41 | 8.12 | 9.41 | 11.28 | 13.73 | 16.77 | 20.42 | 24.67 | 29.54 | 35.03 | 41.16 | 47.94 | con't | |
| con't | | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | 3 of 6 | |

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|  | Female – Composite – Age Last Birthday | | | | | | | | | | | | |  |
| Issue Age | Duration | | | | | | | | | | | | | Att Age |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | Ultimate |
| 35 | 2.50 | 2.81 | 3.14 | 3.50 | 3.90 | 4.32 | 4.78 | 5.29 | 5.83 | 6.39 | 7.01 | 7.66 | 8.34 | 60 |
| 36 | 2.77 | 3.11 | 3.47 | 3.86 | 4.29 | 4.75 | 5.25 | 5.79 | 6.36 | 6.97 | 7.62 | 8.31 | 9.03 | 61 |
| 37 | 3.06 | 3.42 | 3.82 | 4.25 | 4.71 | 5.22 | 5.75 | 6.32 | 6.93 | 7.59 | 8.28 | 9.00 | 9.76 | 62 |
| 38 | 3.37 | 3.77 | 4.20 | 4.67 | 5.17 | 5.71 | 6.28 | 6.90 | 7.55 | 8.25 | 8.98 | 9.74 | 10.55 | 63 |
| 39 | 3.71 | 4.14 | 4.61 | 5.12 | 5.66 | 6.24 | 6.86 | 7.52 | 8.22 | 8.95 | 9.73 | 10.54 | 11.40 | 64 |
| 40 | 4.07 | 4.55 | 5.06 | 5.61 | 6.19 | 6.81 | 7.48 | 8.19 | 8.94 | 9.72 | 10.54 | 11.40 | 12.33 | 65 |
| 41 | 4.46 | 4.98 | 5.53 | 6.12 | 6.75 | 7.43 | 8.15 | 8.91 | 9.71 | 10.54 | 11.40 | 12.33 | 13.35 | 66 |
| 42 | 4.89 | 5.45 | 6.04 | 6.68 | 7.37 | 8.11 | 8.88 | 9.69 | 10.54 | 11.40 | 12.33 | 13.35 | 14.48 | 67 |
| 43 | 5.34 | 5.94 | 6.59 | 7.29 | 8.04 | 8.83 | 9.67 | 10.53 | 11.40 | 12.33 | 13.35 | 14.48 | 15.71 | 68 |
| 44 | 5.83 | 6.47 | 7.18 | 7.95 | 8.76 | 9.61 | 10.52 | 11.40 | 12.33 | 13.35 | 14.48 | 15.71 | 17.08 | 69 |
| 45 | 6.34 | 7.05 | 7.81 | 8.64 | 9.52 | 10.46 | 11.40 | 12.33 | 13.35 | 14.48 | 15.71 | 17.08 | 18.63 | 70 |
| 46 | 6.89 | 7.66 | 8.48 | 9.37 | 10.33 | 11.36 | 12.33 | 13.35 | 14.48 | 15.71 | 17.08 | 18.63 | 20.38 | 71 |
| 47 | 7.48 | 8.30 | 9.19 | 10.15 | 11.20 | 12.32 | 13.35 | 14.48 | 15.71 | 17.08 | 18.63 | 20.38 | 22.29 | 72 |
| 48 | 8.09 | 8.98 | 9.95 | 11.00 | 12.14 | 13.35 | 14.48 | 15.71 | 17.08 | 18.63 | 20.38 | 22.29 | 24.39 | 73 |
| 49 | 8.74 | 9.71 | 10.77 | 11.92 | 13.17 | 14.48 | 15.71 | 17.08 | 18.63 | 20.38 | 22.29 | 24.39 | 26.68 | 74 |
| 50 | 9.42 | 10.49 | 11.65 | 12.92 | 14.30 | 15.71 | 17.08 | 18.63 | 20.38 | 22.29 | 24.39 | 26.68 | 29.20 | 75 |
| 51 | 10.15 | 11.32 | 12.61 | 14.02 | 15.56 | 17.08 | 18.63 | 20.38 | 22.29 | 24.39 | 26.68 | 29.20 | 31.95 | 76 |
| 52 | 10.94 | 12.24 | 13.66 | 15.23 | 16.95 | 18.63 | 20.38 | 22.29 | 24.39 | 26.68 | 29.20 | 31.95 | 34.97 | 77 |
| 53 | 11.81 | 13.26 | 14.84 | 16.58 | 18.51 | 20.38 | 22.29 | 24.39 | 26.68 | 29.20 | 31.95 | 34.97 | 38.28 | 78 |
| 54 | 12.79 | 14.40 | 16.17 | 18.12 | 20.27 | 22.29 | 24.39 | 26.68 | 29.20 | 31.95 | 34.97 | 38.28 | 41.92 | 79 |
| 55 | 13.88 | 15.69 | 17.68 | 19.86 | 22.24 | 24.39 | 26.68 | 29.20 | 31.95 | 34.97 | 38.28 | 41.92 | 46.43 | 80 |
| 56 | 15.12 | 17.14 | 19.37 | 21.81 | 24.39 | 26.68 | 29.20 | 31.95 | 34.97 | 38.28 | 41.91 | 45.89 | 51.96 | 81 |
| 57 | 16.51 | 18.76 | 21.25 | 24.00 | 26.68 | 29.19 | 31.94 | 34.96 | 38.28 | 41.91 | 45.88 | 50.25 | 57.80 | 82 |
| 58 | 18.07 | 20.58 | 23.36 | 26.44 | 29.19 | 31.94 | 34.95 | 38.27 | 41.90 | 45.87 | 50.24 | 55.04 | 63.94 | 83 |
| 59 | 19.85 | 22.63 | 25.72 | 29.11 | 31.93 | 34.95 | 38.26 | 41.89 | 45.86 | 50.23 | 55.02 | 60.27 | 70.74 | 84 |
| 60 | 21.87 | 24.96 | 28.39 | 31.92 | 34.94 | 38.25 | 41.88 | 45.85 | 50.21 | 55.00 | 60.25 | 66.02 | 77.59 | 85 |
| 61 | 24.17 | 27.60 | 31.42 | 34.93 | 38.24 | 41.86 | 45.83 | 50.19 | 54.98 | 60.22 | 65.99 | 72.32 | 85.68 | 86 |
| 62 | 26.77 | 30.60 | 34.76 | 38.23 | 41.85 | 45.82 | 50.17 | 54.95 | 60.19 | 65.95 | 72.28 | 79.22 | 95.69 | 87 |
| 63 | 29.68 | 33.96 | 38.22 | 41.84 | 45.80 | 50.15 | 54.93 | 60.16 | 65.91 | 72.22 | 79.16 | 86.79 | 106.25 | 88 |
| 64 | 32.92 | 37.70 | 41.82 | 45.78 | 50.12 | 54.90 | 60.12 | 65.87 | 72.17 | 79.09 | 86.69 | 95.07 | 116.68 | 89 |
| 65 | 36.53 | 41.68 | 45.76 | 50.10 | 54.87 | 60.09 | 65.82 | 72.12 | 79.02 | 86.61 | 94.96 | 104.14 | 124.22 | 90 |
| 66 | 40.53 | 45.75 | 50.09 | 54.85 | 60.07 | 65.79 | 72.08 | 78.98 | 86.56 | 94.89 | 104.04 | 114.12 | 131.53 | 91 |
| 67 | 44.98 | 50.08 | 54.84 | 60.06 | 65.78 | 72.06 | 78.95 | 86.53 | 94.85 | 104.00 | 114.06 | 125.14 | 143.72 | 92 |
| 68 | 49.83 | 54.83 | 60.04 | 65.77 | 72.05 | 78.94 | 86.50 | 94.82 | 103.95 | 114.00 | 125.07 | 137.26 | 160.21 | 93 |
| 69 | 54.82 | 60.03 | 65.75 | 72.03 | 78.91 | 86.47 | 94.78 | 103.90 | 113.94 | 124.98 | 137.14 | 150.56 | 180.90 | 94 |
| con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | con't | 4 of 6 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Female – Composite – Age Last Birthday | | | | | | | | | | | | | 5 of 6 |
| Issue Age | Duration | | | | | | | | | | | | |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | con't |
| 70 | 5.72 | 7.95 | 8.80 | 10.28 | 12.42 | 15.18 | 18.61 | 22.68 | 27.43 | 32.84 | 38.94 | 45.71 | 53.18 | con't |
| 71 | 7.11 | 8.54 | 9.59 | 11.32 | 13.77 | 16.90 | 20.75 | 25.30 | 30.58 | 36.58 | 43.31 | 50.77 | 58.97 | con't |
| 72 | 8.51 | 9.21 | 10.51 | 12.55 | 15.35 | 18.91 | 23.22 | 28.30 | 34.15 | 40.78 | 48.19 | 56.38 | 65.33 | con't |
| 73 | 9.16 | 10.01 | 11.61 | 14.01 | 17.22 | 21.24 | 26.07 | 31.72 | 38.19 | 45.49 | 53.62 | 62.57 | 71.93 | con't |
| 74 | 9.88 | 10.98 | 12.93 | 15.74 | 19.40 | 23.94 | 29.33 | 35.59 | 42.72 | 50.73 | 59.62 | 69.39 | 78.78 | con't |
| 75 | 10.73 | 12.18 | 14.53 | 17.80 | 21.96 | 27.04 | 33.04 | 39.95 | 47.79 | 56.56 | 66.26 | 76.88 | 86.31 | con't |
| 76 | 11.84 | 13.68 | 16.47 | 20.23 | 24.93 | 30.60 | 37.25 | 44.85 | 53.44 | 63.01 | 73.56 | 85.08 | 94.57 | con't |
| 77 | 13.31 | 15.57 | 18.82 | 23.09 | 28.38 | 34.67 | 41.99 | 50.34 | 59.70 | 70.12 | 81.56 | 94.03 | 103.64 | con't |
| 78 | 14.53 | 17.92 | 21.66 | 26.47 | 32.35 | 39.30 | 47.33 | 56.44 | 66.63 | 77.91 | 90.28 | 103.54 | 113.58 | con't |
| 79 | 15.70 | 20.82 | 25.07 | 30.44 | 36.93 | 44.55 | 53.30 | 63.20 | 74.24 | 86.42 | 99.76 | 113.58 | 124.51 | con't |
| 80 | 17.44 | 24.37 | 29.12 | 35.05 | 42.16 | 50.46 | 59.97 | 70.66 | 82.57 | 95.69 | 110.03 | 124.51 | 136.50 | con't |
| 81 | 19.43 | 28.63 | 33.88 | 40.37 | 48.10 | 57.09 | 67.35 | 78.87 | 91.66 | 105.74 | 121.10 | 136.50 | 149.68 | con't |
| 82 | 21.53 | 33.66 | 39.41 | 46.45 | 54.81 | 64.48 | 75.49 | 87.85 | 101.54 | 116.60 | 133.01 | 149.68 | 164.16 | con't |
| 83 | 24.94 | 39.34 | 45.79 | 53.35 | 62.32 | 72.67 | 84.43 | 97.62 | 112.22 | 128.28 | 145.77 | 164.16 | 180.09 | con't |
| 84 | 29.74 | 45.72 | 53.03 | 61.11 | 70.66 | 81.69 | 94.20 | 108.22 | 123.74 | 140.80 | 159.40 | 179.49 | 197.60 | con't |
| 85 | 36.60 | 52.96 | 60.99 | 69.75 | 79.87 | 91.55 | 104.80 | 119.64 | 136.10 | 154.19 | 173.93 | 195.32 | 216.87 | con't |
| 86 | 44.31 | 60.92 | 69.65 | 79.32 | 89.97 | 102.28 | 116.26 | 131.93 | 149.32 | 168.45 | 189.34 | 212.03 | 236.50 | con't |
| 87 | 53.06 | 69.57 | 79.20 | 89.71 | 100.96 | 113.88 | 128.57 | 145.05 | 163.36 | 183.52 | 205.57 | 229.57 | 255.53 | con't |
| 88 | 64.98 | 79.11 | 89.58 | 100.80 | 112.86 | 126.36 | 141.74 | 159.02 | 178.24 | 199.42 | 222.62 | 247.89 | 273.76 | con't |
| 89 | 77.67 | 89.49 | 100.67 | 112.70 | 125.70 | 139.76 | 155.80 | 173.87 | 194.00 | 216.21 | 240.58 | 266.05 | 290.46 | con't |
| 90 | 89.42 | 100.58 | 112.58 | 125.54 | 139.40 | 154.08 | 170.79 | 189.64 | 210.67 | 233.93 | 258.78 | 282.89 | 307.40 | con't |
| 91 | 100.51 | 112.49 | 125.42 | 139.24 | 153.85 | 169.35 | 186.71 | 206.34 | 228.28 | 252.28 | 275.85 | 299.49 | 325.05 | con't |
| 92 | 112.42 | 125.33 | 139.13 | 153.70 | 169.12 | 185.58 | 203.58 | 223.97 | 246.86 | 269.64 | 292.19 | 316.78 | 343.41 | con't |
| 93 | 125.27 | 139.05 | 153.59 | 168.97 | 185.35 | 202.78 | 221.40 | 242.89 | 264.59 | 285.84 | 309.24 | 334.79 | 362.49 | con't |
| 94 | 138.99 | 153.51 | 168.86 | 185.20 | 202.56 | 220.93 | 240.75 | 261.07 | 280.77 | 302.75 | 326.99 | 353.50 | 382.27 | con't |
| 95 | 153.46 | 168.79 | 185.10 | 202.41 | 220.71 | 240.56 | 259.46 | 277.37 | 297.67 | 320.37 | 345.46 | 372.93 | 402.76 | con't |
| 96 | 168.74 | 185.03 | 202.32 | 220.57 | 240.44 | 259.46 | 276.03 | 294.40 | 315.30 | 338.71 | 364.63 | 393.05 | 423.95 | con't |
| 97 | 184.99 | 202.25 | 220.48 | 240.37 | 259.46 | 276.03 | 293.36 | 312.18 | 333.66 | 357.77 | 384.51 | 413.87 | 445.84 | con't |
| 98 | 202.22 | 220.42 | 240.32 | 259.46 | 276.03 | 293.36 | 311.45 | 330.71 | 352.74 | 377.53 | 405.09 | 435.39 | 468.42 | con't |
| 99 | 220.40 | 240.29 | 259.46 | 276.03 | 293.36 | 311.45 | 330.39 | 351.04 | 374.49 | 400.74 | 429.77 | 461.57 | 496.11 | con't |

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|  | Female – Composite – Age Last Birthday | | | | | | | | | | | | | 6 of 6 |
| Issue Age | Duration | | | | | | | | | | | | | Att Age |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | Ultimate |
| 70 | 60.02 | 65.73 | 72.00 | 78.88 | 86.43 | 94.73 | 103.84 | 113.84 | 124.86 | 136.98 | 150.34 | 165.09 | 203.48 | 95 |
| 71 | 65.71 | 71.97 | 78.84 | 86.39 | 94.67 | 103.77 | 113.75 | 124.73 | 136.80 | 150.10 | 164.75 | 180.93 | 225.69 | 96 |
| 72 | 71.95 | 78.81 | 86.35 | 94.62 | 103.70 | 113.66 | 124.61 | 136.64 | 149.87 | 164.43 | 180.47 | 198.15 | 240.07 | 97 |
| 73 | 78.79 | 86.32 | 94.59 | 103.65 | 113.60 | 124.53 | 136.54 | 149.73 | 164.23 | 180.18 | 197.75 | 217.10 | 247.79 | 98 |
| 74 | 86.31 | 94.57 | 103.64 | 113.58 | 124.51 | 136.50 | 149.69 | 164.17 | 180.10 | 197.62 | 216.91 | 238.16 | 263.98 | 99 |
| 75 | 94.57 | 103.64 | 113.58 | 124.51 | 136.50 | 149.68 | 164.16 | 180.09 | 197.60 | 216.87 | 238.10 | 261.49 | 285.02 | 100 |
| 76 | 103.64 | 113.58 | 124.51 | 136.50 | 149.68 | 164.16 | 180.09 | 197.60 | 216.87 | 238.10 | 261.49 | 285.02 | 307.89 | 101 |
| 77 | 113.58 | 124.51 | 136.50 | 149.68 | 164.16 | 180.09 | 197.60 | 216.87 | 238.10 | 261.49 | 285.02 | 307.89 | 333.06 | 102 |
| 78 | 124.51 | 136.50 | 149.68 | 164.16 | 180.09 | 197.60 | 216.87 | 238.10 | 261.49 | 285.02 | 307.89 | 333.06 | 360.71 | 103 |
| 79 | 136.50 | 149.68 | 164.16 | 180.09 | 197.60 | 216.87 | 238.10 | 261.49 | 285.02 | 307.89 | 333.06 | 360.71 | 390.86 | 104 |
| 80 | 149.68 | 164.16 | 180.09 | 197.60 | 216.87 | 238.10 | 261.49 | 285.02 | 307.89 | 333.06 | 360.71 | 390.86 | 422.72 | 105 |
| 81 | 164.16 | 180.09 | 197.60 | 216.87 | 238.10 | 261.49 | 285.02 | 307.89 | 333.06 | 360.71 | 390.86 | 422.72 | 455.33 | 106 |
| 82 | 180.09 | 197.60 | 216.87 | 238.10 | 261.49 | 285.02 | 307.89 | 333.06 | 360.71 | 390.86 | 422.72 | 455.33 | 488.48 | 107 |
| 83 | 197.60 | 216.87 | 238.10 | 261.49 | 285.02 | 307.89 | 333.06 | 360.71 | 390.86 | 422.72 | 455.33 | 488.48 | 522.20 | 108 |
| 84 | 216.87 | 238.10 | 261.49 | 285.02 | 307.89 | 333.06 | 360.71 | 390.86 | 422.72 | 455.33 | 488.48 | 522.20 | 557.04 | 109 |
| 85 | 238.10 | 261.49 | 285.02 | 307.89 | 333.06 | 360.71 | 390.86 | 422.72 | 455.33 | 488.48 | 522.20 | 557.04 | 591.96 | 110 |
| 86 | 261.04 | 285.02 | 307.89 | 333.06 | 360.71 | 390.86 | 422.56 | 455.17 | 488.48 | 522.20 | 557.04 | 591.96 | 625.62 | 111 |
| 87 | 281.59 | 305.53 | 330.81 | 358.16 | 387.74 | 419.40 | 451.88 | 485.65 | 520.35 | 556.10 | 591.96 | 625.62 | 657.77 | 112 |
| 88 | 298.28 | 323.97 | 351.32 | 380.31 | 410.93 | 443.17 | 477.03 | 512.47 | 549.50 | 588.09 | 625.62 | 657.77 | 690.79 | 113 |
| 89 | 315.65 | 342.58 | 371.24 | 401.63 | 433.73 | 467.53 | 503.02 | 540.18 | 578.98 | 619.42 | 657.77 | 690.79 | 732.06 | 114 |
| 90 | 333.74 | 361.91 | 391.91 | 423.71 | 457.31 | 492.70 | 529.86 | 568.76 | 609.39 | 651.73 | 690.69 | 732.06 | 771.35 | 115 |
| 91 | 352.55 | 381.98 | 413.31 | 446.56 | 481.68 | 518.68 | 557.54 | 598.22 | 640.71 | 684.98 | 730.99 | 771.35 | 812.36 | 116 |
| 92 | 372.08 | 402.77 | 435.46 | 470.16 | 506.84 | 545.47 | 586.05 | 628.55 | 672.94 | 719.18 | 767.22 | 812.36 | 855.90 | 117 |
| 93 | 392.32 | 424.28 | 458.35 | 494.52 | 532.76 | 573.06 | 615.41 | 659.75 | 706.07 | 754.30 | 804.41 | 855.90 | 896.58 | 118 |
| 94 | 413.28 | 446.52 | 481.97 | 519.63 | 559.47 | 601.46 | 645.59 | 691.80 | 740.07 | 790.34 | 842.53 | 896.58 | 939.06 | 119 |
| 95 | 434.94 | 469.47 | 506.33 | 545.49 | 586.95 | 630.65 | 676.59 | 724.71 | 774.96 | 827.27 | 881.59 | 939.06 | 1,000.00 | 120 |
| 96 | 457.32 | 493.15 | 531.41 | 572.11 | 615.19 | 660.64 | 708.41 | 758.45 | 810.71 | 865.10 | 924.50 | 1,000.00 |  |  |
| 97 | 480.40 | 517.53 | 557.24 | 599.47 | 644.21 | 691.41 | 741.03 | 793.02 | 847.30 | 909.14 | 1,000.00 |  |  |  |
| 98 | 504.18 | 542.64 | 583.78 | 627.57 | 673.98 | 722.95 | 774.44 | 828.40 | 893.26 | 1,000.00 |  |  |  |  |
| 99 | 533.39 | 573.36 | 615.99 | 661.25 | 709.07 | 759.40 | 812.18 | 877.12 | 1,000.00 |  |  |  |  |  |