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

**Section 1412.ILLUSTRATION T Blended Composite Ultimate Age Nearest Birthday**

(80) – 80% male, 20% female

(60) – 60% male, 40% female

(50) – 50% male, 50% female

(40) – 40% male, 60% female

(20) – 20% male, 80% female

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|  | Blended Composite Ultimate Age Nearest Birthday | 1 of 4 |
| Attained Age | (80) | (60) | (50) | (40) | (20) |
| 0 | 0.87 | 0.78 | 0.73 | 0.68 | 0.58 |
| 1 | 0.52 | 0.48 | 0.46 | 0.43 | 0.39 |
| 2 | 0.36 | 0.34 | 0.33 | 0.31 | 0.29 |
| 3 | 0.26 | 0.24 | 0.24 | 0.23 | 0.21 |
| 4 | 0.21 | 0.20 | 0.20 | 0.20 | 0.19 |
| 5 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 |
| 6 | 0.21 | 0.20 | 0.20 | 0.20 | 0.19 |
| 7 | 0.22 | 0.22 | 0.22 | 0.21 | 0.21 |
| 8 | 0.22 | 0.22 | 0.22 | 0.21 | 0.21 |
| 9 | 0.23 | 0.22 | 0.22 | 0.22 | 0.21 |
| 10 | 0.23 | 0.23 | 0.23 | 0.22 | 0.22 |
| 11 | 0.26 | 0.25 | 0.25 | 0.25 | 0.24 |
| 12 | 0.32 | 0.31 | 0.30 | 0.29 | 0.28 |
| 13 | 0.37 | 0.35 | 0.35 | 0.34 | 0.32 |
| 14 | 0.44 | 0.41 | 0.40 | 0.39 | 0.36 |
| 15 | 0.56 | 0.51 | 0.48 | 0.45 | 0.40 |
| 16 | 0.67 | 0.60 | 0.57 | 0.53 | 0.46 |
| 17 | 0.78 | 0.69 | 0.64 | 0.60 | 0.50 |
| 18 | 0.84 | 0.74 | 0.69 | 0.64 | 0.53 |
| 19 | 0.88 | 0.77 | 0.72 | 0.67 | 0.56 |
| 20 | 0.89 | 0.79 | 0.74 | 0.68 | 0.58 |
| 21 | 0.90 | 0.79 | 0.74 | 0.69 | 0.58 |
| 22 | 0.92 | 0.81 | 0.76 | 0.71 | 0.60 |
| 23 | 0.92 | 0.82 | 0.77 | 0.71 | 0.61 |
| 24 | 0.94 | 0.84 | 0.79 | 0.73 | 0.63 |
| 25 | 0.96 | 0.86 | 0.81 | 0.75 | 0.65 |
| 26 | 1.01 | 0.90 | 0.84 | 0.79 | 0.67 |
| 27 | 1.06 | 0.94 | 0.89 | 0.83 | 0.71 |
| 28 | 1.06 | 0.95 | 0.90 | 0.85 | 0.74 |
| 29 | 1.05 | 0.95 | 0.91 | 0.86 | 0.76 |
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|  | Blended Composite Ultimate Age Nearest Birthday | 2 of 4 |
| Attained Age | (80) | (60) | (50) | (40) | (20) |
| 30 | 1.05 | 0.96 | 0.91 | 0.86 | 0.77 |
| 31 | 1.05 | 0.97 | 0.93 | 0.89 | 0.81 |
| 32 | 1.06 | 0.99 | 0.95 | 0.91 | 0.84 |
| 33 | 1.08 | 1.02 | 0.99 | 0.95 | 0.89 |
| 34 | 1.12 | 1.06 | 1.03 | 1.00 | 0.94 |
| 35 | 1.16 | 1.11 | 1.09 | 1.07 | 1.02 |
| 36 | 1.23 | 1.18 | 1.16 | 1.13 | 1.08 |
| 37 | 1.29 | 1.25 | 1.23 | 1.20 | 1.16 |
| 38 | 1.39 | 1.33 | 1.31 | 1.28 | 1.22 |
| 39 | 1.48 | 1.42 | 1.39 | 1.35 | 1.29 |
| 40 | 1.58 | 1.51 | 1.48 | 1.44 | 1.37 |
| 41 | 1.71 | 1.63 | 1.59 | 1.54 | 1.46 |
| 42 | 1.86 | 1.77 | 1.72 | 1.67 | 1.58 |
| 43 | 2.04 | 1.93 | 1.87 | 1.81 | 1.70 |
| 44 | 2.26 | 2.12 | 2.06 | 1.99 | 1.85 |
| 45 | 2.49 | 2.34 | 2.26 | 2.18 | 2.03 |
| 46 | 2.73 | 2.56 | 2.47 | 2.39 | 2.22 |
| 47 | 2.99 | 2.81 | 2.72 | 2.63 | 2.45 |
| 48 | 3.16 | 3.00 | 2.91 | 2.83 | 2.67 |
| 49 | 3.37 | 3.22 | 3.15 | 3.08 | 2.93 |
| 50 | 3.62 | 3.49 | 3.42 | 3.35 | 3.22 |
| 51 | 3.93 | 3.80 | 3.73 | 3.67 | 3.54 |
| 52 | 4.33 | 4.20 | 4.13 | 4.06 | 3.93 |
| 53 | 4.78 | 4.64 | 4.56 | 4.49 | 4.35 |
| 54 | 5.33 | 5.15 | 5.06 | 4.98 | 4.80 |
| 55 | 5.95 | 5.74 | 5.63 | 5.53 | 5.31 |
| 56 | 6.63 | 6.38 | 6.25 | 6.13 | 5.88 |
| 57 | 7.35 | 7.06 | 6.91 | 6.77 | 6.48 |
| 58 | 7.97 | 7.68 | 7.53 | 7.38 | 7.09 |
| 59 | 8.67 | 8.34 | 8.18 | 8.03 | 7.71 |
| 60 | 9.49 | 9.11 | 8.93 | 8.74 | 8.38 |
| 61 | 10.48 | 10.03 | 9.80 | 9.58 | 9.13 |
| 62 | 11.67 | 11.09 | 10.81 | 10.52 | 9.95 |
| 63 | 12.98 | 12.26 | 11.91 | 11.55 | 10.84 |
| 64 | 14.37 | 13.50 | 13.07 | 12.65 | 11.80 |
| 65 | 15.83 | 14.81 | 14.31 | 13.81 | 12.83 |
| 66 | 17.31 | 16.16 | 15.60 | 15.03 | 13.92 |
| 67 | 18.81 | 17.55 | 16.93 | 16.31 | 15.09 |
| 68 | 20.44 | 19.06 | 18.38 | 17.71 | 16.38 |
| 69 | 22.12 | 20.63 | 19.90 | 19.18 | 17.75 |
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|  | Blended Composite Ultimate Age Nearest Birthday | 3 of 4 |
| Attained Age | (80) | (60) | (50) | (40) | (20) |
| 70 | 24.10 | 22.47 | 21.67 | 20.88 | 19.33 |
| 71 | 26.32 | 24.53 | 23.66 | 22.80 | 21.11 |
| 72 | 29.19 | 27.12 | 26.11 | 25.12 | 23.18 |
| 73 | 32.19 | 29.85 | 28.71 | 27.59 | 25.41 |
| 74 | 35.36 | 32.74 | 31.48 | 30.23 | 27.82 |
| 75 | 38.85 | 35.92 | 34.51 | 33.13 | 30.46 |
| 76 | 42.64 | 39.38 | 37.81 | 36.28 | 33.33 |
| 77 | 47.00 | 43.30 | 41.54 | 39.82 | 36.53 |
| 78 | 52.02 | 47.78 | 45.76 | 43.81 | 40.08 |
| 79 | 57.75 | 52.83 | 50.51 | 48.26 | 44.02 |
| 80 | 63.96 | 58.30 | 55.64 | 53.10 | 48.30 |
| 81 | 71.20 | 64.89 | 61.95 | 59.15 | 53.91 |
| 82 | 78.77 | 71.84 | 68.66 | 65.63 | 60.03 |
| 83 | 86.75 | 79.07 | 75.58 | 72.28 | 66.23 |
| 84 | 95.53 | 87.00 | 83.16 | 79.57 | 73.05 |
| 85 | 105.30 | 95.78 | 91.56 | 87.64 | 80.60 |
| 86 | 115.64 | 104.70 | 99.92 | 95.52 | 87.72 |
| 87 | 127.52 | 115.61 | 110.50 | 105.85 | 97.70 |
| 88 | 140.04 | 127.06 | 121.59 | 116.67 | 108.16 |
| 89 | 153.12 | 139.02 | 133.20 | 128.03 | 119.23 |
| 90 | 166.06 | 150.44 | 144.15 | 138.62 | 129.36 |
| 91 | 176.29 | 158.20 | 151.11 | 144.96 | 134.84 |
| 92 | 188.14 | 168.69 | 161.29 | 154.97 | 144.76 |
| 93 | 201.91 | 182.11 | 174.81 | 168.68 | 158.98 |
| 94 | 217.64 | 198.30 | 191.41 | 185.71 | 176.87 |
| 95 | 235.98 | 218.09 | 211.91 | 206.89 | 199.23 |
| 96 | 253.18 | 236.82 | 231.35 | 226.96 | 220.37 |
| 97 | 271.66 | 256.79 | 251.96 | 248.14 | 242.47 |
| 98 | 281.27 | 263.31 | 257.63 | 253.19 | 246.69 |
| 99 | 295.32 | 276.39 | 270.58 | 266.11 | 259.66 |
| 100 | 313.54 | 295.16 | 289.72 | 285.58 | 279.70 |
| 101 | 330.82 | 314.35 | 309.63 | 306.10 | 301.14 |
| 102 | 350.39 | 335.97 | 331.98 | 329.01 | 324.91 |
| 103 | 372.52 | 360.27 | 356.97 | 354.54 | 351.22 |
| 104 | 397.46 | 387.44 | 384.81 | 382.89 | 380.29 |
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|  | Blended Composite Ultimate Age Nearest Birthday | 4 of 4 |
| Attained Age | (80) | (60) | (50) | (40) | (20) |
| 105 | 425.09 | 417.26 | 415.25 | 413.79 | 411.83 |
| 106 | 454.25 | 448.30 | 446.79 | 445.71 | 444.26 |
| 107 | 484.83 | 480.46 | 479.37 | 478.59 | 477.55 |
| 108 | 516.27 | 513.16 | 512.39 | 511.84 | 511.11 |
| 109 | 549.38 | 547.39 | 546.91 | 546.56 | 546.10 |
| 110 | 583.66 | 582.61 | 582.35 | 582.16 | 581.92 |
| 111 | 617.39 | 616.80 | 616.65 | 616.55 | 616.41 |
| 112 | 650.79 | 650.26 | 650.13 | 650.04 | 649.93 |
| 113 | 682.37 | 681.25 | 680.97 | 680.78 | 680.53 |
| 114 | 724.03 | 723.67 | 723.58 | 723.52 | 723.44 |
| 115 | 763.93 | 763.64 | 763.57 | 763.52 | 763.45 |
| 116 | 805.53 | 805.19 | 805.11 | 805.05 | 804.98 |
| 117 | 850.80 | 850.60 | 850.55 | 850.51 | 850.47 |
| 118 | 893.94 | 893.09 | 892.89 | 892.75 | 892.56 |
| 119 | 938.06 | 936.37 | 935.99 | 935.72 | 935.34 |
| 120 | 1000.00 | 1000.00 | 1000.00 | 1000.00 | 1000.00 |