

HISTORICAL IMMEDIATE INCOME ANNUITY (SPIA) RATES

Date	MALE					FEMALE				
	Age 55	Age 60	Age 65	Age 70	Age 75	Age 55	Age 60	Age 65	Age 70	Age 75
Jan-86	11.62%	12.46%	13.29%	14.60%	17.20%	11.14%	11.82%	12.50%	13.46%	15.46%
Jul-86	11.09%	11.84%	12.60%	13.91%	16.51%	10.56%	11.11%	11.66%	12.62%	14.62%
Nov-86	10.47%	11.25%	12.04%	13.35%	15.95%	10.04%	10.52%	11.00%	11.96%	13.96%
Jul-87	10.91%	11.93%	12.94%	14.25%	16.85%	10.32%	10.91%	11.51%	12.47%	14.47%
Feb-88	10.61%	11.51%	12.41%	13.72%	16.32%	10.26%	10.91%	11.51%	12.47%	14.47%
Jul-88	10.77%	11.67%	12.57%	13.91%	16.51%	9.95%	10.37%	11.64%	12.63%	14.63%
Feb-89	10.37%	11.27%	12.17%	13.80%	16.40%	9.29%	9.71%	10.98%	12.10%	14.10%
Jul-89	10.37%	11.27%	12.17%	13.81%	16.41%	9.48%	9.90%	11.17%	12.24%	14.24%
Jan-90	10.48%	11.38%	12.28%	13.92%	16.52%	9.36%	9.78%	11.05%	12.28%	14.28%
Jul-90	10.35%	11.25%	12.15%	13.80%	16.40%	8.93%	9.35%	10.62%	11.64%	13.64%
Jan-91	10.10%	11.00%	11.90%	13.68%	16.28%	8.58%	9.00%	10.27%	11.36%	13.36%
Jul-91	10.10%	11.00%	11.90%	13.68%	16.28%	8.71%	9.13%	10.40%	11.63%	13.63%
Jan-92	9.19%	10.09%	10.99%	12.35%	14.95%	8.38%	8.80%	10.07%	11.10%	13.10%
Jul-92	8.86%	9.61%	10.92%	12.65%	15.25%	7.95%	8.37%	9.64%	10.61%	12.61%
Jan-93	8.86%	9.61%	10.92%	12.65%	15.25%	8.02%	8.44%	9.71%	10.66%	12.67%
Jul-93	8.31%	9.06%	10.55%	12.32%	14.69%	7.96%	8.38%	9.05%	10.37%	12.31%
Jan-94	7.76%	8.51%	10.02%	11.17%	13.38%	7.44%	7.86%	8.78%	9.86%	11.80%
Jul-94	8.54%	9.29%	10.55%	12.31%	14.69%	8.61%	8.93%	9.90%	11.29%	13.27%
Jan-95	8.49%	9.24%	11.08%	12.84%	15.22%	8.32%	8.64%	9.56%	10.88%	12.83%
Jul-95	8.65%	9.40%	10.46%	12.13%	14.51%	8.37%	8.69%	9.44%	10.55%	12.34%
Jan-96	8.09%	8.54%	10.20%	11.96%	14.33%	8.31%	8.51%	9.32%	10.44%	12.41%
Jul-96	8.49%	8.94%	9.78%	11.96%	14.33%	7.97%	8.17%	9.71%	11.05%	12.96%
Jan-97	8.65%	9.10%	10.20%	11.17%	14.33%	8.39%	8.59%	9.53%	10.74%	12.74%
Jul-97	8.45%	8.90%	10.16%	11.93%	14.29%	8.46%	8.66%	9.60%	10.94%	12.86%
Jan-98	8.37%	8.82%	9.96%	11.71%	14.09%	7.72%	7.92%	9.02%	10.14%	11.71%
Jul-98	8.16%	8.56%	9.59%	11.17%	13.70%	7.60%	7.79%	8.81%	9.92%	11.59%
Jan-99	7.70%	8.52%	9.59%	11.17%	13.76%	7.39%	7.79%	8.50%	9.62%	11.42%
Jul-99	8.42%	8.94%	9.71%	10.90%	13.76%	8.06%	8.48%	9.07%	9.73%	11.42%
Jan-00	8.38%	9.11%	9.83%	11.45%	13.34%	8.14%	8.62%	9.26%	9.96%	11.56%
Jul-00	8.51%	9.18%	10.44%	11.75%	13.64%	8.36%	8.86%	9.50%	10.43%	12.20%
Jan-01	8.57%	9.13%	10.27%	11.56%	13.45%	8.11%	8.47%	9.23%	10.27%	12.04%
Jul-01	8.18%	8.76%	9.59%	10.84%	12.72%	7.72%	8.16%	8.88%	9.82%	11.53%
Jan-02	7.97%	8.60%	9.43%	10.57%	12.38%	7.42%	8.10%	8.75%	9.68%	11.11%
Jul-02	8.17%	8.72%	9.52%	10.68%	12.40%	7.63%	8.00%	8.72%	9.73%	11.23%
Jan-03	7.49%	8.05%	8.77%	10.00%	11.70%	6.96%	7.44%	8.11%	9.10%	10.57%
Jul-03	6.68%	7.22%	8.00%	10.42%	10.85%	6.37%	6.80%	7.40%	9.40%	9.61%
Jan-04	7.01%	7.56%	8.34%	9.44%	11.09%	6.66%	7.08%	7.70%	8.57%	9.95%
Jul-04	7.03%	7.56%	8.34%	9.48%	11.09%	6.73%	7.04%	7.74%	8.65%	10.15%
Jan-05	6.70%	7.28%	8.11%	9.22%	11.02%	6.37%	6.80%	7.44%	8.32%	9.70%
Jul-05	7.01%	7.54%	8.30%	9.41%	10.97%	6.65%	7.08%	7.68%	8.56%	9.91%
Jan-06	7.00%	7.52%	8.28%	9.40%	10.99%	6.64%	7.07%	7.66%	8.54%	10.07%
Jul-06	7.08%	7.55%	8.35%	9.58%	11.34%	6.71%	7.19%	7.84%	8.72%	10.25%
Jan-07	7.15%	7.67%	8.64%	9.71%	11.42%	6.77%	7.14%	7.97%	8.83%	10.38%
Jul-07	7.19%	7.75%	8.58%	9.67%	11.34%	6.95%	7.21%	7.93%	8.84%	10.91%
Jan-08	7.19%	7.75%	8.58%	9.67%	11.34%	6.95%	7.26%	7.93%	8.84%	10.91%
Jul-08	7.37%	7.86%	8.63%	9.82%	11.48%	7.03%	7.44%	8.02%	8.94%	10.37%
Jan-09	7.81%	8.36%	9.29%	10.52%	12.20%	7.40%	7.85%	8.59%	9.59%	11.08%
Jul-09	7.08%	7.63%	8.47%	9.54%	11.17%	6.72%	7.18%	7.82%	8.74%	10.12%
Jan-10	6.56%	7.13%	7.93%	9.04%	10.67%	6.20%	6.67%	7.34%	8.26%	9.62%
Jul-10	6.41%	7.08%	7.78%	8.89%	10.56%	6.04%	6.49%	7.21%	8.02%	9.37%
Jan-11	6.40%	6.65%	7.54%	8.77%	10.18%	6.07%	6.41%	7.21%	7.96%	9.24%
Jul-11	6.38%	7.08%	7.78%	8.77%	10.14%	5.95%	6.49%	7.21%	7.98%	9.20%
Jan-12	6.02%	6.49%	7.24%	8.29%	9.78%	5.71%	6.10%	6.67%	7.54%	8.88%
Jul-12	5.78%	6.25%	7.02%	8.14%	9.65%	5.62%	6.02%	6.58%	7.37%	8.74%
Jan-13	5.65%	6.05%	7.02%	8.14%	9.65%	5.29%	5.77%	6.43%	7.37%	8.74%
Jul-13	5.65%	6.29%	6.97%	8.04%	9.46%	5.34%	6.04%	6.59%	7.39%	8.70%
Jan-14	6.18%	6.44%	7.19%	8.24%	9.65%	5.86%	6.17%	6.67%	7.49%	8.76%
Jul-14	5.78%	6.36%	7.16%	8.27%	9.79%	5.45%	5.90%	6.58%	7.50%	8.87%
Jan-15	5.58%	6.11%	6.86%	7.96%	9.46%	5.30%	5.76%	6.38%	7.20%	8.53%
Jul-15	5.59%	5.99%	6.78%	7.90%	9.41%	5.42%	5.74%	6.34%	7.19%	8.51%
Jan-16	5.76%	6.05%	6.78%	7.90%	9.41%	5.59%	5.77%	6.43%	7.20%	8.50%
Jul-16	5.46%	5.65%	6.43%	7.30%	8.69%	5.30%	5.40%	6.04%	6.80%	8.12%
Jan-17	5.36%	5.88%	6.60%	7.73%	9.30%	5.21%	5.68%	6.20%	6.97%	8.36%
Jul-17	5.53%	5.84%	6.55%	7.57%	9.02%	5.39%	5.64%	6.29%	7.02%	8.29%
Jan-18	5.42%	5.80%	6.52%	7.46%	8.89%	5.23%	5.52%	6.20%	6.97%	8.15%
Jul-18	5.64%	6.06%	6.74%	7.72%	9.28%	5.47%	5.82%	6.43%	7.27%	8.52%
Jan-19	5.69%	6.16%	6.83%	7.80%	9.29%	5.55%	5.92%	6.52%	7.37%	8.68%
Jul-19	5.46%	5.84%	6.54%	7.50%	8.95%	5.37%	5.66%	6.25%	7.19%	8.51%
Jan-20	5.23%	5.60%	6.28%	7.19%	8.56%	5.09%	5.39%	5.94%	6.79%	8.00%
Average =	7.73%	8.33%	9.24%	10.55%	12.52%	7.31%	7.70%	8.49%	9.47%	11.08%
Range =	5.23%-11.62%	5.60%-12.46%	6.28%-13.29%	7.19%-14.60%	8.56%-17.20%	5.09%-11.14%	5.39%-11.82%	5.94%-12.50%	6.79%-13.46%	8.00%-15.46%

Notes:

- Historical Income Rates are for Single Premium Immediate Annuities (SPIA) - Life Only Option for Monthly Income.
- Italicized rates represent periods of time for which exact data was not available, so these rates have been interpolated/extrapolated from nearby rates on a relative basis.

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