

**Statutory Calendar Year Valuation and Nonforfeiture Interest Rates**

**A. Life Insurance**

<b>Guarantee Duration (Years)</b>	<b>Calendar Year</b>	<b>Valuation Interest Rates</b>	<b>Nonforfeiture Interest Rate</b>
10 or less	82	6.75	8.50
	83 - 86	7.25	9.00
	87	6.50	8.25
	88 - 93	6.00	7.50
	94 - 98	5.50	7.00
	99 - 02	5.00	6.25
More than 10, not more than 20	82	6.25	7.75
	83 - 86	6.75	8.50
	87 - 93	6.00	7.50
	94 - 98	5.25	6.50
	99 - 02	4.75	6.00
More than 20	82	5.50	7.00
	83 - 86	6.00	7.50
	87 - 92	5.50	7.00
	93 - 94	5.00	6.25
	95 - 02	4.50	5.75

**B. Single stipulated payment immediate annuities and for annuity benefits involving life contingencies arising from other annuities with cash settlement options and from guaranteed interest contracts with cash settlement options.**

<b>Calendar Year</b>	<b>Valuation Interest Rates</b>
81	11.50
82	13.25
83 - 84	11.25
85	11.00
86	9.25
87	8.00
88 - 89	8.75
90 - 91	8.25
92	7.75
93	7.00
94	6.50
95	7.25
96 - 97	6.75
98 - 99	6.25
2000	7.00
2001	6.75

### C. Other Annuities and Guaranteed Interest Contracts

#### Contracts issued on an Issue Year Basis

Cash Settlement Options?	Future Interest Guarantee?	Guarantee Duration (Years)	Calendar Year	Valuation Interest Rate For Plan Type		
				A	B	C
				Yes	Yes	5 or less
			82	13.25	10.50	9.25
			83	11.25	9.25	8.25
			84	11.25	9.25	8.00
			85	11.00	7.00	8.00
			86	9.25	7.75	6.75
			87	8.00	6.75	6.25
			88	8.75	7.50	6.75
			89	8.75	7.25	6.50
			90 – 91	8.25	7.00	6.25
			92	7.75	6.50	6.00
			93	7.00	6.00	5.50
			94	6.50	5.75	5.25
			95	7.25	6.25	5.75
			96 – 97	6.75	5.75	5.25
			98 – 99	6.25	5.50	5.00
			2000	7.00	6.00	5.50
			2001	6.75	5.75	5.25
		more than 5 but not more than 10	81	11.00	9.50	8.25
			82	12.50	10.50	9.25
			83	10.75	9.25	8.25
			84	10.75	9.25	8.00
			85	10.50	9.00	8.00
			86	8.75	7.75	6.75
			87	7.75	6.75	6.25
			88	8.50	7.50	6.75
			89	8.25	7.25	6.50
			90 – 91	8.00	7.00	6.25
			92	7.50	6.50	6.00
			93	6.75	6.00	5.50
			94	6.50	5.75	5.25
			95	7.00	6.25	5.75
			96 – 97	6.50	5.75	5.25
			98 – 99	6.00	5.50	5.00
			2000	6.75	6.00	5.50
			2001	6.50	5.75	5.25
		more than 10 but not more than 20	81	7.75	6.75	6.25
			82	8.50	7.25	6.75
			83 – 84	8.25	7.00	6.75
			85	8.25	7.00	6.50
			86	7.50	6.50	6.00
			87	7.00	6.00	5.75
			88 – 89	7.25	6.25	6.00

**C. Other Annuities and Guaranteed Interest Contracts - cont'd**

Contracts issued on an Issue Year Basis

Cash Settlement Options?	Future Interest Guarantee?	Guarantee Duration (Years)	Calendar Year	Valuation Interest Rate For Plan Type		
				A	B	C
				Yes	Yes	more than 10 but not more than 20
			92	6.75	6.00	5.75
			93	6.25	5.50	5.25
			94	6.00	5.25	5.00
			95	6.25	5.50	5.25
			96	6.00	5.25	5.00
			97	6.00	5.25	5.25
			98	5.75	5.00	4.75
			99	5.50	5.00	4.75
			2000	5.75	5.25	5.00
			2001	6.00	5.25	5.00
		more than 20	81	6.25	5.50	5.50
			82	6.75	6.00	6.00
			83 - 84	6.75	5.75	5.75
			85	6.50	5.75	5.75
			86	6.00	5.50	5.75
			87	5.75	5.25	5.50
			88 - 89	6.00	5.25	5.25
			90 - 91	5.75	5.25	5.25
			92	5.75	5.00	5.00
			93	5.25	4.75	4.75
			94	5.00	4.50	4.50
			95	5.25	4.75	4.75
			96	5.00	4.50	4.50
			97	5.25	4.75	4.75
			98 – 99	4.75	4.50	4.50
			2000-01	5.00	4.50	4.50
Yes	No	5 or less	81	12.00	10.00	9.00
			82	13.75	11.25	10.00
			83	11.75	9.75	8.75
			84	11.75	9.75	8.50
			85	11.50	9.50	8.50
			86	9.50	8.00	7.25
			87	8.50	7.25	6.50
			88	9.25	7.75	7.00
			89	9.00	7.50	7.00
			90	8.50	7.25	6.50
			91	8.75	7.25	6.75
			92	8.00	6.75	6.25
			93	7.25	6.25	5.75
			94	6.75	6.00	5.50
			95	7.50	6.50	6.00
			96	6.75	6.00	5.50
			97	7.00	6.00	5.50
			98 – 99	6.50	5.75	5.25
			2000	7.25	6.25	5.75
			2001	7.00	6.00	5.50

**C. Other Annuities and Guaranteed Interest Contracts - cont'd**

Contracts issued on an Issue Year Basis

Cash Settlement Options?	Future Interest Guarantee?	Guarantee Duration (Years)	Calendar Year	Valuation Interest Rate For Plan Type																			
				A	B	C																	
				Yes	No	more than 5 but not more than 10	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96 - 97	98
		more than 10 but not more than 20	81	82	83 - 84	85	86	87	88 - 91	92	93	94	95	96 - 97	98	99	2000	2001					
		more than 20	81	82	83- 85	86	87	88	89 - 91	92	93	94	95										

**C. Other Annuities and Guaranteed Interest Contracts - cont'd**

Contracts issued on an Issue Year Basis

Cash Settlement Options?	Future Interest Guarantee?	Guarantee Duration (Years)	Calendar Year	Valuation Interest Rate For Plan Type				
				A	B	C		
Yes	No	more than 20	96	5.25	4.75	4.75		
			97	5.25	5.00	5.00		
			98	5.00	4.75	4.75		
			99	5.00	4.50	4.50		
			2000-01	5.25	4.75	4.75		
No	Yes or No	5 or less	81	11.50	NOT APPLICABLE			
			82	13.25	FOR ANY GUARANTEE DURATION FOR PLAN TYPES B AND C			
			83 - 84	11.25				
			85	11.00				
			86	9.25				
			87	8.00				
			88 - 89	8.75				
			90 - 91	8.25				
			92	7.75				
			93	7.00				
			94	6.50				
			95	7.25				
			96- 97	6.75				
			98 - 99	6.25				
			2000	7.00				
			2001	6.75				
				more than 5 but not more than 10	81	11.00		
					82	12.50		
					83 - 84	10.75		
					85	10.50		
					86	8.75		
					87	7.75		
					88	8.50		
					89	8.25		
					90 - 91	8.00		
					92	7.50		
					93	6.75		
		94	6.50					
		95	7.00					
		96 - 97	6.50					
		98 - 99	6.00					
		2000	6.75					
		2001	6.50					
	more than 10 but not more than 20	81	10.00					
		82	11.25					
		83 - 84	9.75					
		85	9.50					
		86	8.00					
		87	7.25					
		88	7.75					
		89	7.50					
		90 - 91	7.25					

**C. Other Annuities and Guaranteed Interest Contracts - cont'd**

Contracts issued on an Issue Year Basis

Cash Settlement Options?	Future Interest Guarantee?	Guarantee Duration (Years)	Calendar Year	Valuation Interest Rate For Plan Type		
				A	B	C
No	Yes or No	more than 10 but not more than 20	92	6.75		
			93	6.25		
		94	6.00			
		95	6.50			
		96 - 97	6.00			
		98	5.75			
		99	5.50			
		2000	6.25			
		2001	6.00			
		more than 20	81	7.75		
			82	8.75		
			83 - 84	7.75		
			85	7.50		
			86	6.50		
			87	6.00		
			88 - 89	6.25		
			90 - 91	6.00		
			92	5.75		
			93	5.25		
			94	5.00		
		95	5.50			
		96	5.00			
		97	5.25			
		98 - 99	4.75			
		2000	5.25			
		2001	5.00			

NOT APPLICABLE FOR ANY GUARANTEE DURATION FOR PLAN TYPES B AND C

**D. Other Annuities and Guaranteed Interest Contracts**

Contracts Valued on a Change in Fund Basis

(Only contracts with cash settlement options may be valued on change in fund basis)

Cash Settlement Options?	Future Interest Guarantee?	Guarantee Duration (Years)	Calendar Year	Valuation Interest Rate For Plan Type		
				A	B	C
Yes	Yes	5 or less	81	13.25	12.00	9.00
			82	15.00	13.75	10.00
			83	12.75	11.75	8.75
			84	12.75	11.75	8.50
			85	12.50	11.50	8.50
			86	10.25	9.50	7.25
			87	9.00	8.50	6.50
			88	10.00	9.25	7.00
			89	9.75	9.00	7.00
			90	9.25	8.50	6.50
			91	9.25	8.75	6.75
			92	8.50	8.00	6.25

**D. Other Annuities and Guaranteed Interest Contracts**

Contracts Valued on a Change in Fund Basis

(Only contracts with cash settlement options may be valued on change in fund basis)

Cash Settlement Options?	Future Interest Guarantee?	Guarantee Duration (Years)	Calendar Year	Valuation Interest Rate For Plan Type		
				A	B	C
				Yes	Yes	5 or less
			94	7.25	6.75	5.50
			95	8.25	7.50	6.00
			96	7.25	6.75	5.50
			97	7.50	7.00	5.50
			98	7.00	6.50	5.25
			99	6.75	6.25	5.25
			2000	7.75	7.25	5.75
			2001	7.50	7.00	5.50
		more than 5 but not more than 10	81	12.75	12.00	9.00
			82	14.50	13.75	10.00
			83	12.25	11.75	8.75
			84	12.25	11.75	8.50
			85	12.00	11.50	8.50
			86	10.00	9.50	7.25
			87	8.75	8.50	6.50
			88	9.50	9.25	7.00
			89	9.50	9.00	7.00
			90	8.75	8.50	6.50
			91	9.00	8.75	6.75
			92	8.25	8.00	6.25
			93	7.50	7.25	5.75
			94	7.00	6.75	5.50
			95	8.00	7.50	6.00
			96	7.00	6.75	5.50
			97	7.25	7.00	5.50
			98	6.75	6.50	5.25
			99	6.50	6.25	5.25
			2000	7.50	7.25	5.75
			2001	7.25	7.00	5.50
		more than 10 but not more than 20	81	11.50	11.00	8.25
			82	13.25	12.50	9.25
			83	11.25	10.75	8.25
			84	11.25	10.75	8.00
			85	11.00	10.50	8.00
			86	9.25	8.75	6.75
			87	8.00	7.75	6.25
			88	8.75	8.50	6.75
			89	8.75	8.25	6.50
			90 - 91	8.25	8.00	6.25
			92	7.75	7.50	6.00
			93	7.00	6.75	5.50
			94	6.50	6.50	5.25
			95	7.25	7.00	5.75
			96 - 97	6.75	6.50	5.25
			98 - 99	6.25	6.00	5.00
			2000	7.00	6.75	5.50

**D. Other Annuities and Guaranteed Interest Contracts - cont'd**

Contracts Valued on a Change in Fund Basis

(Only contracts with cash settlement options may be valued on change in fund basis)

Cash Settlement Options?	Future Interest Guarantee?	Guarantee Duration (Years)	Calendar Year	Valuation Interest Rate For Plan Type		
				A	B	C
				Yes	Yes	
Yes	Yes	more than 20	81	9.50	9.50	7.25
			82	10.50	10.50	8.00
			83	9.25	9.25	7.25
			84	9.25	9.25	7.00
			85	9.00	9.00	7.00
			86	7.75	7.75	6.00
			87	6.75	6.75	5.50
			88	7.50	7.50	6.00
			89	7.25	7.25	5.75
			90	7.00	7.00	5.50
			91	7.00	7.00	5.75
			92	6.50	6.50	5.25
			93	6.00	6.00	5.00
			94	5.75	5.75	4.75
			95	6.25	6.25	5.25
			96	5.75	5.75	4.75
			97	5.75	5.75	5.00
			98	5.50	5.50	4.75
			99	5.50	5.50	4.50
						2000
			2001	5.75	5.75	5.00
Yes	No	5 or less	81	13.75	12.75	9.50
			82	15.75	14.50	10.50
			83	13.50	12.25	9.25
			84	13.25	12.25	9.25
			85	13.00	12.00	9.00
			86	10.75	10.00	7.75
			87	9.50	8.75	6.75
			88	10.25	9.50	7.50
			89	10.00	9.50	7.25
			90	9.50	8.75	7.00
			91	9.75	9.00	7.00
			92	9.00	8.25	6.50
			93	8.25	7.50	6.00
			94	7.50	7.00	5.75
			95	8.50	8.00	6.25
			96	7.50	7.00	5.75
			97	7.75	7.25	5.75
			98	7.00	6.75	5.50
			99	7.00	6.50	5.50
						2000
			2001	7.75	7.25	5.75
		more than 5 but not more than 10	81	13.25	12.00	9.00
			82	15.00	14.50	10.50
			83 - 84	12.75	12.25	9.25

**D. Other Annuities and Guaranteed Interest Contracts - cont'd**

Contracts Valued on a Change in Fund Basis

(Only contracts with cash settlement options may be valued on change in fund basis)

Cash Settlement Options?	Future Interest Guarantee?	Guarantee Duration (Years)	Calendar Year	Valuation Interest Rate For Plan Type		
				A	B	C
				Yes	No	more than 5 but not more than 10
			86	10.25	10.00	7.75
			87	9.00	8.75	6.75
			88	10.00	9.50	7.50
			89	9.75	9.50	7.25
			90	9.25	8.75	7.00
			91	9.25	9.00	7.00
			92	8.50	8.25	6.50
			93	7.75	7.50	6.00
			94	7.25	7.00	5.75
			95	8.25	8.00	6.25
			96	7.25	7.00	5.75
			97	7.50	7.25	5.75
			98	7.00	6.75	5.50
			99	6.75	6.50	5.50
			2000	7.75	7.50	6.00
			2001	7.50	7.25	5.75
		more than 10 but not more than 20	81	12.00	11.50	9.00
			82	13.75	13.25	10.00
			83	11.75	11.25	8.75
			84	11.75	11.25	8.50
			85	11.50	11.00	8.50
			86	9.50	9.25	7.25
			87	8.50	8.00	6.50
			88	9.25	8.75	7.00
			89	9.00	8.75	7.00
			90	8.50	8.25	6.50
			91	8.75	8.25	6.75
			92	8.00	7.75	6.25
			93	7.25	7.00	5.75
			94	6.75	6.50	5.50
			95	7.50	7.25	6.00
			96	6.75	6.75	5.50
			97	7.00	6.75	5.50
			98	6.50	6.25	5.25
			99	6.25	6.25	5.25
			2000	7.25	7.00	5.75
			2001	7.00	6.75	5.50
		more than 20	81	10.00	10.00	7.75
			82	11.25	11.25	8.75
			83	9.75	9.75	7.75
			84	9.75	9.75	7.50
			85	9.50	9.50	7.50
			86	8.00	8.00	6.50
			87	7.25	7.25	6.00
			88	7.75	7.75	6.25

**D. Other Annuities and Guaranteed Interest Contracts - cont'd**

Contracts Valued on a Change in Fund Basis

(Only contracts with cash settlement options may be valued on change in fund basis)

Cash Settlement Options?	Future Interest Guar- antee?	Guarantee Duration (Years)	Calendar Year	Valuation Interest Rate For Plan Type		
				A	B	C
		more than 20	89	7.50	7.50	6.25
			90 - 91	7.25	7.25	6.00
			92	6.75	6.75	5.75
			93	6.25	6.25	5.25
			94	6.00	6.00	5.00
			95	6.50	6.50	5.50
			96	6.00	6.00	5.00
			97	6.00	6.00	5.25
			98	5.75	5.75	4.75
			99	5.50	5.50	4.75
			2000	6.25	6.25	5.25
			2001	6.00	6.00	5.00

## Definitions

### **Guarantee Duration:**

For life insurance, the guarantee duration is the maximum number of years the life insurance can remain in force on a basis guaranteed in the policy or under options to convert to plans of life insurance with premium rates or nonforfeiture values or both which are guaranteed in the original policy.

For annuities with cash settlement options and guaranteed interest contracts with cash settlement options other than single stipulated payment immediate annuities and annuity benefits involving life contingencies arising from other annuities with cash settlement options and guaranteed interest contracts with cash settlement options, the guarantee duration is the number of years for which the contract guarantees interest rates in excess of the calendar year statutory valuation interest rate for life insurance policies with guarantee durations in excess of 20 years.

For other annuities with no cash settlement options and for guaranteed interest contracts with no cash settlement options, the guarantee duration is the number of years from the date of issue or date of purchase to the date annuity benefits are scheduled to commence.

### **Plan Type:**

**Type A** - At any time policyholder may withdraw funds only (1) with an adjustment to reflect changes in interest rates or asset values since receipt of the funds by the insurer, or (2) without such adjustment but in installments over 5 years or more, or (3) as an immediate life annuity, or (4) no withdrawal permitted.

**Type B** - Before expiration of the interest rate guarantee, policyholder may withdraw funds only (1) with an adjustment to reflect changes in interest rates or asset values since receipt of the funds by the insurer, or (2) without such adjustment but in installments over 5 years or more, or (3) no withdrawal permitted. At the end of interest rate guarantee, funds may be withdrawn without such adjustment in a single sum or installments over less than 5 years.

**Type C** - Policyholder may withdraw funds before expiration of interest rate guarantee in a single sum or installments over less than 5 years either (1) without adjustment to reflect changes in interest rates or asset values since receipt of the funds by the insurer, or (2) subject only to a fixed surrender charge stipulated in the contract as a percentage of the fund.

### **Issue Year Basis**

An issue year basis of valuation refers to a valuation basis under which the interest rate used to determine the minimum valuation standard for the entire duration of the annuity or guaranteed interest contract is the calendar year valuation interest rate for the year of issue or year of purchase of the annuity or guaranteed interest contract.

## **Change in Fund Basis**

The change in fund basis of valuation refers to a valuation basis under which the interest rate used to determine the minimum valuation standard applicable to each change in fund held under the annuity or guaranteed interest contract is the calendar year valuation interest rate for the year of the change in the fund.

An insurer may elect to value guaranteed interest contracts with cash settlement options and annuities with cash settlement options on either an issue year basis or on a change in fund basis. Guaranteed interest contracts with no cash settlement options and other annuities with no cash settlement options must be valued on an issue year basis.