

**Exhibit 7
As Filed**

PENNSYLVANIA COMPENSATION RATING BUREAU

Tail Factors for Loss Development

The PCRB collects financial loss development data for separate policy years beginning with policy year 1978 and continuing forward to the most recent policy period. For policy years prior to 1978, a single aggregate line of experience is reported for all older policy years combined.

Beginning with collection of financial data valued as of 12/31/99, the PCRB will advance by one year the earliest policy year reported from 1978 to 1979 as of 12/31/99 and 1980 as of 12/31/00. Thus, the 1998 vs. 1999 valuations in the tail factor calculation will use policy years 1979 as the earliest separate policy year and an aggregate line of experience for policy years 1978 and prior. The 1999 vs. 2000 valuations in the tail factor calculation will use policy years 1980 as the earliest separate policy year and an aggregate line of experience for policy years 1979 and prior. The following discussion focuses on data with an earlier available policy year of 1978. The discussion for data starting with policy years 1979 and 1980 would, however, be analogous.

Prior to 1995, the PCRB has computed incurred loss development for maturities older than policy year 1978 (i.e., the pre-1978 “tail”) by comparing the total amount of dollar development in incurred losses occurring in a given calendar year to the incurred loss reported for policy year 1978 at the beginning of that same calendar period.

As part of the Insurance Department’s examination of the Bureau, the actuarial firm retained to perform portions of that review commented that the PCRB’s approach effectively assumed that each policy year prior to 1978 had the same amount of ultimate losses as did policy year 1978. Since policy year losses have tended to increase from year to year in response to benefit and price changes, changes in employment volume and other features affecting loss trends, this assumption was noted as understating the true tail in the PCRB’s loss development analysis. The contractor recommended that for future filings the PCRB add a growth adjustment to its tail factor calculation.

In response to this recommendation the PCRB changed its derivation of tail factors for its 12/1/95 filing. That approach, used again for this filing, is applied separately for indemnity and medical loss experience and for each calendar year of experience, and outlined as follows:

1. A starting policy year loss amount based on the average reported incurred loss for policy years 1978-1980 was computed.

2. An annual loss inflation factor was selected based on observed changes in incurred losses by policy year for the older policy years having separate experience data reported.
3. A historical series of estimated incurred losses by policy year beginning with policy year 1977 was computed using the starting point from #1 and the selected inflation factor from #2.
4. A calendar year loss development factor was selected for policy year 1977 based on observed developments for the oldest years with actual separate experience available.
5. A rate of decline in calendar year loss development factors by policy year was then computed such that when the resulting series of loss development factors was applied to the historical series of estimated incurred losses in #3, the total implied dollar amount of loss development for the calendar year balanced to the observed amount of development on policy years prior to 1978.
6. The “tail factor” applicable to maturities prior to policy year 1978 based on that calendar year of experience was then computed as the cumulative product of the series of loss development factors constructed in #5.

In general, this approach produced policy year incurred losses and loss development factors such that measurable development terminated for policy years in the mid- to early 1930's. Because the amount of calendar year development observed for policy years prior to 1978 varied considerably from year to year, some variations in the application of the initial selected loss development factor were necessary (i.e., whether the initial selection was applied to 1,2 or 3 prior policy years before beginning the application of the selected rate of decline in loss development). In addition, the selected rates of decline in loss development factors vary from calendar year to calendar year in order to achieve the desired balance with observed calendar year development.

Recognizing the volatility of observed calendar year development for policy years prior to 1978 in the aggregate, the PCRB elected to use an experience period comprising four calendar years of loss development in computing indicated tail factors for this filing.

A summary exhibit on page 1 presents results of both the previous and revised approaches to the derivation of tail development factors. Since policy year 1978 is at a different maturity for each calendar year, the initial calculations made for each calendar year of development reflect varying maturities for the beginning of the tail. For purposes of further comparison and averaging, results have also been expressed on page 1 in terms of an appropriate tail factor from 20th report to ultimate where possible. Finally, averages computed using both two-year and four-year calculations are presented for comparison purposes. Following the summary page, eight exhibits presenting the derivation of indicated tail factors using the procedure outlined above are attached (four for indemnity and four for medical). These exhibits are numbered as pages 2 through 9 respectively.

SUMMARY OF LOSS DEVELOPMENT TAIL FACTOR CALCULATIONS

VALUATION	MATURITY	INDEMNITY				MEDICAL			
		OLD	NEW	OLD AT CONSTANT MATURITY 20-ULT	NEW AT CONSTANT MATURITY 20-ULT	OLD	NEW	OLD AT CONSTANT MATURITY 20-ULT	NEW AT CONSTANT MATURITY 20-ULT
99V00	20TH TO ULT.	1.0171	1.0212	1.0171	1.0212	1.0821	1.1015	1.0821	1.1015
98V99	20TH TO ULT.	1.0047	1.0059	1.0047	1.0059	1.0473	1.0606	1.0473	1.0606
97V98	20TH TO ULT.	0.9930	0.9922	0.9930	0.9922	1.0718	1.0724	1.0718	1.0724
96V97	19TH TO ULT.	1.0112	1.0136	N/A	1.0102	1.0579	1.0650	N/A	1.0484
AVERAGE OF LATEST 2 VALUATIONS				1.0109	1.0136			1.0647	1.0811
AVERAGE OF LATEST 4 VALUATIONS				N/A	1.0074			N/A	1.0707

Indemnity: 99v00

Latest 12/31 Prior to 1980 Incurred	2,563,112,144
Next Latest 12/31 Prior to 1980 Incurred	2,556,871,830
CY Development of Prior Yrs	6,240,314
Next Latest PY 1980 Incurred	364,324,642
# of 1980 Yrs in Prior Data	7.04
Selected Decrement, Development Factor	0.75
Selected Average PY Deflation Factor	0.95

1 Policy Yr 1979 Incurred = Average of 1980, 1981, 1982, reduced by PY Deflation ^ 2
 2 PY 1978 & Prior = Subsequent Yr x PY Deflation
 3 1979 Development Selected Based on Observed 1980, 1981, 1982
 4 PY 1978 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0

TAIL =	1.0212	vs	1.0171	6,240,317
				-3

Pennsylvania Compensation Rating Bureau
 Tail Factor Model - 2002 Loss Cost Filing

INDEMNITY

Policy Year	(*=Estimate)	Prior Year Development			DF	Policy Year	(*=Estimate)	Prior Year Development			DF	
		12/31/00 Incurred	Dollar Development	DF				12/31/00 Incurred	Dollar Development	DF		
1935	*	35,861,069	1.000000	1	1.0000	#	1968	*	194,869,671	1.000222	43,230	1.0009
1936	*	37,748,493	1.000000	1	1.0000	#	1969	*	205,125,969	1.000296	60,669	1.0012
1937	*	39,735,256	1.000000	1	1.0000	#	1970	*	215,922,073	1.000394	85,142	1.0016
1938	*	41,826,585	1.000000	2	1.0000	#	1971	*	227,286,392	1.000526	119,481	1.0021
1939	*	44,027,984	1.000000	2	1.0000	#	1972	*	239,248,834	1.000701	167,664	1.0028
1940	*	46,345,247	1.000000	3	1.0000	#	1973	*	251,840,878	1.000935	235,263	1.0037
1941	*	48,784,470	1.000000	5	1.0000	#	1974	*	265,095,661	1.001247	330,091	1.0050
1942	*	51,352,074	1.000000	6	1.0000	#	1975	*	279,048,064	1.001662	463,093	1.0067
1943	*	54,054,815	1.000000	9	1.0000	#	1976	*	293,734,804	1.002216	649,595	1.0089
1944	*	56,899,805	1.000000	13	1.0000	#	1977	*	309,194,531	1.002955	911,041	1.0119
1945	*	59,894,532	1.000000	18	1.0000	#	1978	*	325,467,927	1.003940	1,277,400	1.0159
1946	*	63,046,875	1.000000	25	1.0000	#	1979	*	342,597,818	1.005253700	1,790,499	1.0212
1947	*	66,365,132	1.000001	35	1.0000	#	1980		365,132,589		1.0022	
1948	*	69,858,034	1.000001	49	1.0000	#	1981		388,969,952		0.9982	
1949	*	73,534,772	1.000001	69	1.0000	#	1982		384,726,772		0.9978	Total
1950	*	77,405,023	1.000001	97	1.0000	#	1983		457,368,306		1.0011	Development:
1951	*	81,478,972	1.000002	136	1.0000	#	1984		581,998,371		1.0008	
1952	*	85,767,339	1.000002	191	1.0000	#	1985		665,137,947		0.9955	
1953	*	90,281,409	1.000003	268	1.0000	#	1986		775,372,550		0.9968	
1954	*	95,033,063	1.000004	376	1.0000	#	1987		936,703,323		0.9979	
1955	*	100,034,803	1.000005	527	1.0000	#	1988		1,077,081,902		1.0018	
1956	*	105,299,792	1.000007	740	1.0000	#	1989		1,253,224,317		1.0003	
1957	*	110,841,887	1.000009	1,039	1.0000	#	1990		1,277,795,972		0.9975	
1958	*	116,675,670	1.000012	1,458	1.0000	#	1991		1,128,980,629		0.9998	
1959	*	122,816,495	1.000017	2,046	1.0001	#	1992		938,046,221		0.9967	
1960	*	129,280,521	1.000022	2,872	1.0001	#	1993		806,014,731		0.9939	
1961	*	136,084,759	1.000030	4,031	1.0001	#	1994		741,667,184		1.0051	
1962	*	143,247,115	1.000039	5,657	1.0002	#	1995		626,040,477		1.0269	
1963	*	150,786,436	1.000053	7,939	1.0002	#	1996		525,507,029		1.0661	
1964	*	158,722,565	1.000070	11,143	1.0003	#	1997		528,949,456		1.1276	
1965	*	167,076,384	1.000094	15,639	1.0004	#	1998		465,256,942		1.3444	
1966	*	175,869,878	1.000125	21,948	1.0005	#	1999		374,512,633		3.0230	
1967	*	185,126,187	1.000166	30,803	1.0007	#	2000		121,265,448			

Medical 99v00

Latest 12/31 Prior to 1980 Incurred	452,577,401	
Next Latest 12/31 Prior to 1980 Incurred	444,280,916	1 Policy Yr 1979 Incurred = Average of 1980, 1981, 1982, reduced by PY Deflation ^
CY Development of Prior Yrs	8,296,485	2 PY 1978 & Prior = Subsequent Yr x PY Deflation
Next Larest PY 1980 Incurred	101,053,171	3 1979 Development Selected Based on Observed 1980, 1981, 1982
# of 1980 Yrs in Prior Data	4.48	4 PY 1978 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0
Selected Decrement, Development Factor	0.75	
Selected Average PY Inflation	0.93	

TAIL = 1.1015 vs 1.0821 8,296,483

MEDICAL

Policy Year	(*=Estimate)	Prior Year			Policy			Prior Year				
		12/31/00 Incurred	Dollar Development	DF	Year	(*=Estimate)	12/31/00 Incurred	Dollar Development	DF			
1932	*	3,459,311	1.000000	0	1.0000	#	1968	*	47,163,218	1.001027	48,393	1.0041
1933	*	3,719,689	1.000000	0	1.0000	#	1969	*	50,713,137	1.001370	69,357	1.0055
1934	*	3,999,666	1.000000	0	1.0000	#	1970	*	54,530,255	1.001826	99,392	1.0073
1935	*	4,300,716	1.000000	0	1.0000	#	1971	*	58,634,683	1.002435	142,410	1.0098
1936	*	4,624,425	1.000000	0	1.0000	#	1972	*	63,048,046	1.003246	204,008	1.0131
1937	*	4,972,500	1.000000	1	1.0000	#	1973	*	67,793,598	1.004328	292,169	1.0174
1938	*	5,346,775	1.000000	1	1.0000	#	1974	*	72,896,342	1.005771	418,279	1.0233
1939	*	5,749,220	1.000000	1	1.0000	#	1975	*	78,383,164	1.007695	598,539	1.0312
1940	*	6,181,957	1.000000	2	1.0000	#	1976	*	84,282,972	1.010260	855,941	1.0418
1941	*	6,647,266	1.000000	3	1.0000	#	1977	*	90,626,851	1.013680	1,223,016	1.0560
1942	*	7,147,598	1.000001	4	1.0000	#	1978	*	97,448,227	1.018240	1,745,575	1.0753
1943	*	7,685,589	1.000001	6	1.0000	#	1979	*	104,783,040	1.024319430	2,487,763	1.1015
1944	*	8,264,074	1.000001	9	1.0000	#	1980		104,393,260		1.0331	
1945	*	8,886,101	1.000001	12	1.0000	#	1981		122,063,530		0.9999	Total
1946	*	9,554,947	1.000002	18	1.0000	#	1982		136,994,615		1.0149	Development:
1947	*	10,274,137	1.000002	25	1.0000	#	1983		165,136,859		1.0152	
1948	*	11,047,459	1.000003	36	1.0000	#	1984		216,676,839		1.0175	
1949	*	11,878,988	1.000004	52	1.0000	#	1985		278,011,772		1.0056	
1950	*	12,773,106	1.000006	74	1.0000	#	1986		315,797,273		0.9996	
1951	*	13,734,522	1.000008	106	1.0000	#	1987		418,977,530		1.0087	
1952	*	14,768,303	1.000010	152	1.0000	#	1988		507,778,656		1.0074	
1953	*	15,879,896	1.000014	218	1.0001	#	1989		626,871,908		1.0138	
1954	*	17,075,157	1.000018	312	1.0001	#	1990		663,540,676		1.0056	
1955	*	18,360,384	1.000024	448	1.0001	#	1991		620,130,187		1.0125	
1956	*	19,742,348	1.000033	642	1.0001	#	1992		537,326,072		1.0141	
1957	*	21,228,332	1.000043	921	1.0002	#	1993		456,367,997		0.9993	
1958	*	22,826,163	1.000058	1,320	1.0002	#	1994		416,847,952		1.0112	
1959	*	24,544,261	1.000077	1,893	1.0003	#	1995		390,152,723		1.0132	
1960	*	26,391,679	1.000103	2,714	1.0004	#	1996		392,122,168		1.0199	
1961	*	28,378,149	1.000137	3,890	1.0005	#	1997		424,438,110		1.0473	
1962	*	30,514,139	1.000183	5,577	1.0007	#	1998		439,427,215		1.1000	
1963	*	32,810,902	1.000244	7,996	1.0010	#	1999		415,794,438		2.4133	
1964	*	35,280,540	1.000325	11,462	1.0013	#	2000		191,147,565			
1965	*	37,936,064	1.000433	16,431	1.0017	#						
1966	*	40,791,467	1.000578	23,554	1.0023	#						
1967	*	43,861,793	1.000770	33,763	1.0031	#						

Indemnity: 98v99

Latest 12/31 Prior to 1979 Incurred	2,206,233,130
Next Latest 12/31 Prior to 1979 Incurred	2,204,497,181
CY Development of Prior Yrs	1,735,949
Next Latest PY 1979 Incurred	366,028,692
# of 1979 Yrs in Prior Data	6.03
Selected Decrement, Development Factor	0.75
Selected Average PY Deflation Factor	0.95

1 Policy Yr 1978 Incurred = Average of 1979, 1980, 1981, reduced by PY Deflation ^ 2
 2 PY 1977 & Prior = Subsequent Yr x PY Deflation
 3 1978 Development Selected Based on Observed 1979, 1980, 1981
 4 PY 1977 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0

TAIL =	1.0059	vs	1.0047	1,735,949
				0

Pennsylvania Compensation Rating Bureau
 Tail Factor Model - 2002 Loss Cost Filing

INDEMNITY

Policy Year	(*=Estimate)	Prior Year		Dollar Development	DF	Policy Year	(*=Estimate)	Prior Year		Dollar Development	DF	
		12/31/99	Incurred					12/31/99	Incurred			
1933	*	33,730,256	1.000000	0	1.0000	#	1967	*	192,937,685	1.000062	11,990	1.0002
1934	*	35,205,533	1.000000	0	1.0000	#	1968	*	203,092,300	1.000083	16,828	1.0003
1935	*	37,374,245	1.000000	0	1.0000	#	1969	*	213,781,368	1.000110	23,618	1.0004
1936	*	39,341,311	1.000000	0	1.0000	#	1970	*	225,033,019	1.000147	33,148	1.0006
1937	*	41,411,906	1.000000	0	1.0000	#	1971	*	236,876,862	1.000196	46,523	1.0008
1938	*	43,591,480	1.000000	1	1.0000	#	1972	*	249,344,065	1.000262	65,296	1.0010
1939	*	45,885,769	1.000000	1	1.0000	#	1973	*	262,467,437	1.000349	91,643	1.0014
1940	*	48,300,809	1.000000	1	1.0000	#	1974	*	276,281,513	1.000466	128,622	1.0019
1941	*	50,842,957	1.000000	2	1.0000	#	1975	*	290,822,645	1.000621	180,522	1.0025
1942	*	53,518,902	1.000000	3	1.0000	#	1976	*	306,129,100	1.000828	253,364	1.0033
1943	*	56,335,686	1.000000	4	1.0000	#	1977	*	322,241,158	1.001104	355,598	1.0044
1944	*	59,300,722	1.000000	5	1.0000	#	1978	*	339,201,219	1.00147136	499,085	1.0059
1945	*	62,421,813	1.000000	7	1.0000	#	1979		367,025,325		1.0027	
1946	*	65,707,172	1.000000	10	1.0000	#	1980		367,362,446		1.0022	
1947	*	69,165,444	1.000000	14	1.0000	#	1981		393,150,907		1.0043	Total
1948	*	72,805,730	1.000000	19	1.0000	#	1982		390,025,792		0.9997	Development:
1949	*	76,637,611	1.000000	27	1.0000	#	1983		461,198,968		1.0014	1,735,949
1950	*	80,671,169	1.000000	38	1.0000	#	1984		585,356,746		0.9990	
1951	*	84,917,020	1.000001	53	1.0000	#	1985		670,156,439		0.9967	
1952	*	89,386,337	1.000001	74	1.0000	#	1986		779,574,014		0.9997	
1953	*	94,090,881	1.000001	104	1.0000	#	1987		941,061,692		1.0001	
1954	*	99,043,033	1.000001	146	1.0000	#	1988		1,093,128,727		0.9984	
1955	*	104,255,824	1.000002	205	1.0000	#	1989		1,267,671,479		0.9997	
1956	*	109,742,973	1.000003	288	1.0000	#	1990		1,299,131,017		0.9986	
1957	*	115,518,919	1.000003	404	1.0000	#	1991		1,154,239,130		0.9974	
1958	*	121,598,862	1.000005	567	1.0000	#	1992		952,883,987		0.9911	
1959	*	127,998,802	1.000006	796	1.0000	#	1993		821,850,746		1.0012	
1960	*	134,735,581	1.000008	1,118	1.0000	#	1994		746,807,693		1.0394	
1961	*	141,826,927	1.000011	1,569	1.0000	#	1995		615,202,647		1.0719	
1962	*	149,291,503	1.000015	2,202	1.0001	#	1996		493,117,505		1.1575	
1963	*	157,148,950	1.000020	3,090	1.0001	#	1997		479,041,914		1.3865	
1964	*	165,419,947	1.000026	4,337	1.0001	#	1998		357,036,512		3.0941	
1965	*	174,126,260	1.000035	6,087	1.0001	#	1999		126,958,404			
1966	*	183,290,800	1.000047	8,543	1.0002	#						

Inputs for Tail Factor Estimation - 2002 Loss Cost Filing

Medical **98v99**

Latest 12/31 Prior to 1979 Incurred	349,377,529	
Next Latest 12/31 Prior to 1979 Incurred	344,836,855	
CY Development of Prior Yrs	4,540,674	1 Policy Yr 1978 Incurred = Average of 1979, 1980, 1981, reduced by PY Deflation ^ 2
Next Latest PY 1979 Incurred	95,992,351	2 PY 1977 & Prior = Subsequent Yr x PY Deflation
# of 1979 Yrs in Prior Data	3.64	3 1978 Development Selected Based on Observed 1979, 1980, 1981
Selected Decrement, Development Factor	0.75	4 PY 1977 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0
Selected Average PY Deflation Factor	0.93	
TAIL =	1.0606	vs
	1.0473	4,540,674
		0

Pennsylvania Compensation Rating Bureau
Tail Factor Model - 2001 Loss Cost Filing

MEDICAL

Policy Year	(*=Estimate)	Prior Year			DF	Policy Year	(*=Estimate)	Prior Year			DF	
		12/31/99	Incurred	Development				12/31/99	Incurred	Development		
1931	*	3,069,627	1.000000		0	1.0000	#	1968	*	45,000,409	37,436	1.0033
1932	*	3,300,674	1.000000		0	1.0000	#	1969	*	48,387,537	53,671	1.0044
1933	*	3,549,112	1.000000		0	1.0000	#	1970	*	52,029,609	76,948	1.0059
1934	*	3,816,249	1.000000		0	1.0000	#	1971	*	55,945,816	110,320	1.0079
1935	*	4,103,494	1.000000		0	1.0000	#	1972	*	60,156,792	158,165	1.0106
1936	*	4,412,359	1.000000		0	1.0000	#	1973	*	64,684,723	226,760	1.0141
1937	*	4,744,472	1.000000		1	1.0000	#	1974	*	69,553,465	325,104	1.0188
1938	*	5,101,583	1.000000		1	1.0000	#	1975	*	74,788,672	466,099	1.0252
1939	*	5,485,573	1.000000		1	1.0000	#	1976	*	80,417,927	668,243	1.0337
1940	*	5,898,465	1.000000		2	1.0000	#	1977	*	86,470,889	958,054	1.0452
1941	*	6,342,436	1.000000		2	1.0000	#	1978	*	92,979,451	1,373,554	1.0606
1942	*	6,819,823	1.000000		3	1.0000	#	1979		97,503,152		1.0157
1943	*	7,333,143	1.000001		5	1.0000	#	1980		101,831,694		1.0123
1944	*	7,885,100	1.000001		7	1.0000	#	1981		123,174,522		1.0045
1945	*	8,478,603	1.000001		9	1.0000	#	1982		136,751,551		1.0356
1946	*	9,116,777	1.000001		14	1.0000	#	1983		164,096,421		1.0078
1947	*	9,802,986	1.000002		19	1.0000	#	1984		214,095,446		1.0002
1948	*	10,540,845	1.000003		28	1.0000	#	1985		277,197,009		1.0114
1949	*	11,334,242	1.000004		40	1.0000	#	1986		316,422,352		1.0221
1950	*	12,187,357	1.000005		57	1.0000	#	1987		416,590,191		1.0017
1951	*	13,104,685	1.000006		82	1.0000	#	1988		511,811,219		1.0054
1952	*	14,091,059	1.000008		117	1.0000	#	1989		625,902,274		1.0109
1953	*	15,151,677	1.000011		168	1.0000	#	1990		670,653,854		1.0041
1954	*	16,292,125	1.000015		241	1.0001	#	1991		626,912,720		1.0103
1955	*	17,518,414	1.000020		346	1.0001	#	1992		538,650,449		0.9998
1956	*	18,837,005	1.000026		496	1.0001	#	1993		465,139,281		1.0041
1957	*	20,254,844	1.000035		712	1.0001	#	1994		418,332,161		1.0079
1958	*	21,779,402	1.000047		1,020	1.0002	#	1995		389,646,227		1.0106
1959	*	23,418,712	1.000062		1,463	1.0002	#	1996		384,562,225		1.0289
1960	*	25,181,410	1.000083		2,097	1.0003	#	1997		413,374,615		1.1133
1961	*	27,076,785	1.000111		3,007	1.0004	#	1998		411,427,156		2.2567
1962	*	29,114,823	1.000148		4,311	1.0006	#	1999		177,111,729		
1963	*	31,306,261	1.000197	6,180	1.0008	#						
1964	*	33,662,646	1.000263	8,861	1.0011	#						
1965	*	36,196,394	1.000351	12,703	1.0014	#						
1966	*	38,920,854	1.000468	18,213	1.0019	#						
1967	*	41,850,380	1.000624	26,112	1.0025	#						

Indemnity: 97v98

Latest 12/31 Prior to 1978 Incurred	1,867,296,514	
Next Latest 12/31 Prior to 1978 Incurred	1,869,389,536	
CY Development of Prior Yrs	-2,093,022	1 Policy Yr 1977 Incurred = Average of 1978, 1979, 1980, reduced by PY Deflation ^ 2
Next Latest PY 1978 Incurred	297,072,695	2 PY 1976 & Prior = Subsequent Yr x PY Deflation
# of 1978 Yrs in Prior Data	6.29	3 1977 Development Selected Based on Observed 1978, 1979, 1980
Selected Decrement, Development Factor	0.75	4 PY 1976 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0
Selected Average PY Deflation Factor	0.95	
TAIL =	.9922	vs .9930
		-2,093,022
		0

Pennsylvania Compensation Rating Bureau
Tail Factor Model - 2001 Loss Cost Filing

INDEMNITY

Policy Year	(*=Estimate)	Prior Year			Policy Year	(*=Estimate)	Prior Year		
		12/31/98 Incurred	Dollar Development	DF			12/31/98 Incurred	Dollar Development	DF
1933	*	32,377,553	1.000000	0	1.0000	#	1967	*	185,200,197
1934	*	34,081,635	1.000000	0	1.0000	#	1968	*	194,947,575
1935	*	35,875,405	1.000000	0	1.0000	#	1969	*	205,207,974
1936	*	37,763,584	1.000000	-1	1.0000	#	1970	*	216,008,394
1937	*	39,751,141	1.000000	-1	1.0000	#	1971	*	227,377,257
1938	*	41,843,307	1.000000	-1	1.0000	#	1972	*	239,344,481
1939	*	44,045,586	1.000000	-2	1.0000	#	1973	*	251,941,559
1940	*	46,363,775	1.000000	-2	1.0000	#	1974	*	265,201,641
1941	*	48,803,973	1.000000	-3	1.0000	#	1975	*	279,159,622
1942	*	51,372,603	1.000000	-4	1.0000	#	1976	*	293,852,233
1943	*	54,076,425	1.000000	-6	1.0000	#	1977	*	309,318,140
1944	*	56,922,552	1.000000	-8	1.0000	#	1978		296,029,968
1945	*	59,918,476	1.000000	-12	1.0000	#	1979		366,036,449
1946	*	63,072,080	1.000000	-16	1.0000	#	1980		366,137,928
1947	*	66,391,663	1.000000	-23	1.0000	#	1981		391,379,504
1948	*	69,885,961	1.000000	-32	1.0000	#	1982		390,197,713
1949	*	73,564,170	.999999	-45	1.0000	#	1983		460,554,323
1950	*	77,435,968	.999999	-64	1.0000	#	1984		585,906,505
1951	*	81,511,546	.999999	-89	1.0000	#	1985		672,710,560
1952	*	85,801,627	.999999	-126	1.0000	#	1986		779,542,137
1953	*	90,317,502	.999998	-176	1.0000	#	1987		940,063,451
1954	*	95,071,055	.999997	-247	1.0000	#	1988		1,093,971,055
1955	*	100,074,795	.999997	-347	1.0000	#	1989		1,267,951,103
1956	*	105,341,889	.999995	-487	1.0000	#	1990		1,301,647,996
1957	*	110,886,199	.999994	-684	1.0000	#	1991		1,157,508,979
1958	*	116,722,315	.999992	-960	1.0000	#	1992		961,808,630
1959	*	122,865,594	.999989	-1,348	1.0000	#	1993		821,322,629
1960	*	129,332,205	.999985	-1,891	.9999	#	1994		719,641,766
1961	*	136,139,163	.999981	-2,654	.9999	#	1995		573,442,718
1962	*	143,304,382	.999974	-3,726	.9999	#	1996		425,140,430
1963	*	150,846,718	.999965	-5,229	.9999	#	1997		337,790,879
1964	*	158,786,019	.999954	-7,339	.9998	#	1998		114,654,893
1965	*	167,143,177	.999938	-10,300	.9998	#			
1966	*	175,940,187	.999918	-14,456	.9997	#			

Medical **97v98**

Latest 12/31 Prior to 1978 Incurred	277,380,613	
Next Latest 12/31 Prior to 1978 Incurred	273,064,439	1 Policy Yr 1977 Incurred = Average of 1978, 1979, 1980, reduced by PY Deflation ^ 2
CY Development of Prior Yrs	4,316,174	2 PY 1976 & Prior = Subsequent Yr x PY Deflation
Next Latest PY 1978 Incurred	60,109,492	3 1977 Development Selected Based on Observed 1978, 1979, 1980
# of 1978 Yrs in Prior Data	4.61	4 PY 1976 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0
Selected Decrement, Development Factor	0.75	
Selected Average PY Deflation Factor	0.93	
TAIL =	1.0724	vs 1.0718
		4,316,174
		0

Pennsylvania Compensation Rating Bureau
Tail Factor Model - 2001 Loss Cost Filing

MEDICAL

Policy Year	(*=Estimate)	Prior			Policy Year	(*=Estimate)	Prior			
		12/31/98	Year	Dollar			12/31/98	Year	Dollar	
		Incurred	Development	Development	DF		Incurred	Development	Development	DF
1931	*	2,638,356	1.000000	0	1.0000	#	1965	*	31,110,939	1.000556
1932	*	2,836,942	1.000000	0	1.0000	#	1966	*	33,452,622	1.000742
1933	*	3,050,475	1.000000	0	1.0000	#	1967	*	35,970,562	1.000989
1934	*	3,280,081	1.000000	0	1.0000	#	1968	*	38,678,023	1.001319
1935	*	3,526,968	1.000000	0	1.0000	#	1969	*	41,589,272	1.001759
1936	*	3,792,439	1.000000	1	1.0000	#	1970	*	44,719,648	1.002345
1937	*	4,077,892	1.000000	1	1.0000	#	1971	*	48,085,643	1.003127
1938	*	4,384,830	1.000000	1	1.0000	#	1972	*	51,704,992	1.004169
1939	*	4,714,871	1.000000	1	1.0000	#	1973	*	55,596,766	1.005558
1940	*	5,069,753	1.000000	2	1.0000	#	1974	*	59,781,469	1.007411
1941	*	5,451,348	1.000001	3	1.0000	#	1975	*	64,281,149	1.009882
1942	*	5,861,664	1.000001	4	1.0000	#	1976	*	69,119,515	1.013176
1943	*	6,302,865	1.000001	6	1.0000	#	1977	*	74,322,059	1.0175674
1944	*	6,777,274	1.000001	9	1.0000	#	1978		61,272,538	1.0193
1945	*	7,287,391	1.000002	13	1.0000	#	1979		95,995,535	1.0152
1946	*	7,835,905	1.000002	18	1.0000	#	1980		100,526,097	1.0155
1947	*	8,425,704	1.000003	26	1.0000	#	1981		122,545,787	1.0001
1948	*	9,059,897	1.000004	38	1.0000	#	1982		131,935,099	1.0113
1949	*	9,741,824	1.000006	54	1.0000	#	1983		162,711,494	1.0077
1950	*	10,475,080	1.000007	78	1.0000	#	1984		213,975,769	1.0002
1951	*	11,263,527	1.000010	112	1.0000	#	1985		273,852,315	1.0044
1952	*	12,111,319	1.000013	160	1.0001	#	1986		309,368,715	1.0050
1953	*	13,022,924	1.000018	230	1.0001	#	1987		415,422,247	1.0179
1954	*	14,003,144	1.000024	329	1.0001	#	1988		508,546,156	1.0067
1955	*	15,057,144	1.000031	472	1.0001	#	1989		618,695,715	1.0131
1956	*	16,190,477	1.000042	676	1.0002	#	1990		667,561,133	1.0121
1957	*	17,409,115	1.000056	970	1.0002	#	1991		620,037,043	1.0171
1958	*	18,719,479	1.000074	1,390	1.0003	#	1992		538,475,467	1.0173
1959	*	20,128,472	1.000099	1,994	1.0004	#	1993		462,536,318	0.9990
1960	*	21,643,518	1.000132	2,858	1.0005	#	1994		415,161,531	1.0154
1961	*	23,272,600	1.000176	4,098	1.0007	#	1995		385,018,228	1.0476
1962	*	25,024,301	1.000235	5,875	1.0009	#	1996		372,341,744	1.1145
1963	*	26,907,851	1.000313	8,423	1.0013	#	1997		364,388,184	2.3209
1964	*	28,933,173	1.000417	12,075	1.0017	#	1998		181,186,380	

Indemnity: 96v97

Latest 12/31 Prior to 1978 Incurred	1,869,716,023	
Next Latest 12/31 Prior to 1978 Incurred	1,865,953,411	1 Policy Yr 1977 Incurred = Average of 1978, 1979, 1980, reduced by PY Deflation ^ 2
CY Development of Prior Yrs	3,762,612	2 PY 1976 & Prior = Subsequent Yr x PY Deflation
Next Latest PY 1978 Incurred	336,477,772	3 1977 Development Selected Based on Observed 1978, 1979, 1980
# of 1978 Yrs in Prior Data	5.56	4 PY 1976 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0
Selected Decrement, Development Factor	0.75	
Selected Average PY Deflation Factor	0.95	
TAIL =	1.0136	vs
	1.0112	3,762,611
		1

Pennsylvania Compensation Rating Bureau
Tail Factor Model - 2001 Loss Cost Filing

INDEMNITY

Policy Year	(*=Estimate)	Prior Year			Policy Year	(*=Estimate)	Prior Year		
		12/31/97	Incurred	Dollar Development			12/31/97	Incurred	Dollar Development
1933	*	33,613,871	1.000000	0	1.0000	#	1967	*	192,271,957
1934	*	35,383,022	1.000000	1	1.0000	#	1968	*	202,391,534
1935	*	37,245,286	1.000000	1	1.0000	#	1969	*	213,043,720
1936	*	39,205,564	1.000000	1	1.0000	#	1970	*	224,256,547
1937	*	41,269,015	1.000000	1	1.0000	#	1971	*	236,059,523
1938	*	43,441,069	1.000000	2	1.0000	#	1972	*	248,483,709
1939	*	45,727,441	1.000000	3	1.0000	#	1973	*	261,561,799
1940	*	48,134,148	1.000000	4	1.0000	#	1974	*	275,328,209
1941	*	50,667,524	1.000000	5	1.0000	#	1975	*	289,819,167
1942	*	53,334,236	1.000000	8	1.0000	#	1976	*	305,072,808
1943	*	56,141,301	1.000000	11	1.0000	#	1977	*	321,129,271
1944	*	59,096,106	1.000000	15	1.0000	#	1978		336,671,312
1945	*	62,206,428	1.000000	21	1.0000	#	1979		364,998,134
1946	*	65,480,450	1.000000	30	1.0000	#	1980		365,796,276
1947	*	68,926,790	1.000001	42	1.0000	#	1981		392,327,143
1948	*	72,554,516	1.000001	58	1.0000	#	1982		389,452,628
1949	*	76,373,174	1.000001	82	1.0000	#	1983		458,270,312
1950	*	80,392,815	1.000001	115	1.0000	#	1984		584,653,354
1951	*	84,624,016	1.000002	161	1.0000	#	1985		670,213,221
1952	*	89,077,912	1.000003	226	1.0000	#	1986		775,440,639
1953	*	93,766,223	1.000003	318	1.0000	#	1987		940,668,610
1954	*	98,701,287	1.000005	446	1.0000	#	1988		1,091,784,280
1955	*	103,896,092	1.000006	626	1.0000	#	1989		1,268,087,039
1956	*	109,364,307	1.000008	878	1.0000	#	1990		1,292,896,214
1957	*	115,120,323	1.000011	1,232	1.0000	#	1991		1,145,382,899
1958	*	121,179,287	1.000014	1,730	1.0001	#	1992		948,608,635
1959	*	127,557,145	1.000019	2,427	1.0001	#	1993		774,071,736
1960	*	134,270,679	1.000025	3,407	1.0001	#	1994		627,747,602
1961	*	141,337,556	1.000034	4,782	1.0001	#	1995		467,856,710
1962	*	148,776,375	1.000045	6,711	1.0002	#	1996		298,723,285
1963	*	156,606,711	1.000060	9,419	1.0002	#	1997		112,532,265
1964	*	164,849,169	1.000080	13,219	1.0003	#			
1965	*	173,525,441	1.000107	18,553	1.0004	#			
1966	*	182,658,359	1.000143	26,038	1.0006	#			

Medical **96v97**

Latest 12/31 Prior to 1978 Incurred	273,091,705	
Next Latest 12/31 Prior to 1978 Incurred	269,188,832	
CY Development of Prior Yrs	3,902,873	1 Policy Yr 1977 Incurred = Average of 1978, 1979, 1980, reduced by PY Deflation ^ 2
Next Latest PY 1978 Incurred	67,367,062	2 PY 1976 & Prior = Subsequent Yr x PY Deflation
# of 1978 Yrs in Prior Data	4.05	3 1977 Development Selected Based on Observed 1978, 1979, 1980
Selected Decrement, Development Factor	0.75	4 PY 1976 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0
Selected Average PY Deflation Factor	0.93	
TAIL =	1.0650	vs
	1.0579	3,902,872
		1

Pennsylvania Compensation Rating Bureau
Tail Factor Model - 2001 Loss Cost Filing

MEDICAL

Policy Year	(*=Estimate)	Prior			Policy Year	(*=Estimate)	Prior		
		12/31/97	Year	Dollar			12/31/97	Year	Dollar
Incurred		Development	Development	Development	Incurred		Development	Development	DF
1931	*	2,677,091	1.000000	0	1.0000	#	1965	*	31,567,695
1932	*	2,878,592	1.000000	0	1.0000	#	1966	*	33,943,758
1933	*	3,095,261	1.000000	0	1.0000	#	1967	*	36,498,664
1934	*	3,328,237	1.000000	0	1.0000	#	1968	*	39,245,875
1935	*	3,578,750	1.000000	0	1.0000	#	1969	*	42,199,866
1936	*	3,848,118	1.000000	0	1.0000	#	1970	*	45,376,200
1937	*	4,137,761	1.000000	1	1.0000	#	1971	*	48,791,613
1938	*	4,449,206	1.000000	1	1.0000	#	1972	*	52,464,100
1939	*	4,784,092	1.000000	1	1.0000	#	1973	*	56,413,011
1940	*	5,144,185	1.000000	2	1.0000	#	1974	*	60,659,151
1941	*	5,531,382	1.000001	3	1.0000	#	1975	*	65,224,894
1942	*	5,947,722	1.000001	4	1.0000	#	1976	*	70,134,294
1943	*	6,395,400	1.000001	6	1.0000	#	1977	*	75,413,220
1944	*	6,876,775	1.000001	8	1.0000	#	1978		68,052,523
1945	*	7,394,381	1.000002	12	1.0000	#	1979		94,542,075
1946	*	7,950,948	1.000002	17	1.0000	#	1980		98,984,381
1947	*	8,549,406	1.000003	24	1.0000	#	1981		122,529,500
1948	*	9,192,910	1.000004	35	1.0000	#	1982		130,478,265
1949	*	9,884,849	1.000005	50	1.0000	#	1983		161,462,041
1950	*	10,628,870	1.000007	71	1.0000	#	1984		213,923,729
1951	*	11,428,892	1.000009	102	1.0000	#	1985		272,667,521
1952	*	12,289,132	1.000012	146	1.0000	#	1986		307,823,757
1953	*	13,214,120	1.000016	210	1.0001	#	1987		408,134,825
1954	*	14,208,731	1.000021	301	1.0001	#	1988		504,188,945
1955	*	15,278,206	1.000028	431	1.0001	#	1989		609,906,766
1956	*	16,428,178	1.000038	618	1.0002	#	1990		656,663,908
1957	*	17,664,708	1.000050	886	1.0002	#	1991		604,947,534
1958	*	18,994,309	1.000067	1,270	1.0003	#	1992		525,934,281
1959	*	20,423,988	1.000089	1,821	1.0004	#	1993		459,245,197
1960	*	21,961,278	1.000119	2,610	1.0005	#	1994		404,155,804
1961	*	23,614,277	1.000158	3,742	1.0006	#	1995		364,416,053
1962	*	25,391,696	1.000211	5,364	1.0008	#	1996		337,301,980
1963	*	27,302,899	1.000282	7,690	1.0011	#	1997		158,714,046
1964	*	29,357,956	1.000376	11,024	1.0015	#			