

**Exhibit 7  
As Filed**

PENNSYLVANIA COMPENSATION RATING BUREAU

Tail Factors for Loss Development

For a given calendar year, the PCRB collects financial loss development data for the current policy year and the twenty previous individual policy years. A single aggregate line of experience is reported for all older policy years combined.

Thus, the 2003 vs. 2004 valuations in the tail factor calculation will use policy year 1984 as the earliest separate policy year and an aggregate line of experience for policy years 1983 and prior. The 2004 vs. 2005 valuations in the tail factor calculation will use policy year 1985 as the earliest separate policy year and an aggregate line of experience for policy years 1984 and prior. The 2005 vs. 2006 valuations in the tail factor calculation will use policy year 1986 as the earliest separate policy year and an aggregate line of experience for policy years 1985 and prior. The 2006 vs. 2007 valuations in the tail factor calculation will use policy year 1987 as the earliest separate policy year and an aggregate line of experience for policy years 1986 and prior.

The following discussion focuses on data with an earliest available policy year of 1978 for illustrative purposes. The discussion for data starting with later policy years 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. 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

<b>VALUATION</b>	<b>MATURITY</b>	<b>INDEMNITY</b>	<b>MEDICAL</b>
		Tail Factor	Tail Factor
06V07	20TH TO ULT.	1.0009	1.0445
05V06	20TH TO ULT.	1.0045	1.0739
04V05	20TH TO ULT.	1.0089	1.0666
03V04	20TH TO ULT.	1.0014	0.9966
AVERAGE OF LATEST 4 VALUATIONS		1.0039	1.0454

**Indemnity: 06v07**

Latest 12/31 Prior to 1987 Incurred	5,235,962,221	
Next Latest 12/31 Prior to 1987 Incurred	5,235,485,308	1 Policy Yr 1986 Incurred = Average of 1987, 1988, 1989, reduced by PY Deflation ^ 2
CY Development of Prior Yrs	476,913	2 PY 1985 & Prior = Subsequent Yr x PY Deflation
Next Latest PY 1987 Incurred	841,958,360	3 1986 Development Selected Based on Observed 1987, 1988, 1989
# of 1987 Yrs in Prior Data	6.22	4 PY 1985 & 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 =	1.0009	vs
	1.0006	476,913
		0

Pennsylvania Compensation Rating Bureau  
Tail Factor Model - 2009 Loss Cost Filing

**INDEMNITY**

Policy Year	(*=Estimate)	Prior			Policy Year	(*=Estimate)	Prior		
		12/31/07	Year	Dollar			12/31/07	Year	DF
		Incurred	Development	DF			Incurred	Development	DF
1939	*	49,239,267	1.000000	0	1.0000	#	1974	*	296,473,168
1940	*	51,830,807	1.000000	0	1.0000	#	1975	*	312,077,019
1941	*	54,558,745	1.000000	0	1.0000	#	1976	*	328,502,125
1942	*	57,430,257	1.000000	0	1.0000	#	1977	*	345,791,710
1943	*	60,452,903	1.000000	0	1.0000	#	1978	*	363,991,274
1944	*	63,634,634	1.000000	0	1.0000	#	1979	*	383,148,710
1945	*	66,983,826	1.000000	0	1.0000	#	1980	*	403,314,431
1946	*	70,509,290	1.000000	0	1.0000	#	1981	*	424,541,506
1947	*	74,220,305	1.000000	0	1.0000	#	1982	*	446,885,796
1948	*	78,126,637	1.000000	0	1.0000	#	1983	*	470,406,101
1949	*	82,238,565	1.000000	0	1.0000	#	1984	*	495,164,317
1950	*	86,566,911	1.000000	1	1.0000	#	1985	*	521,225,597
1951	*	91,123,064	1.000000	1	1.0000	#	1986	*	548,658,523
1952	*	95,919,015	1.000000	1	1.0000	#	1987		842,950,308
1953	*	100,967,384	1.000000	2	1.0000	#	1988		963,969,035
1954	*	106,281,457	1.000000	2	1.0000	#	1989		1,119,259,447
1955	*	111,875,218	1.000000	3	1.0000	#	1990		1,155,308,898
1956	*	117,763,387	1.000000	5	1.0000	#	1991		1,022,701,672
1957	*	123,961,460	1.000000	6	1.0000	#	1992		885,287,437
1958	*	130,485,748	1.000000	9	1.0000	#	1993		768,617,548
1959	*	137,353,419	1.000000	12	1.0000	#	1994		703,864,426
1960	*	144,582,546	1.000000	18	1.0000	#	1995		613,906,940
1961	*	152,192,154	1.000000	25	1.0000	#	1996		527,571,873
1962	*	160,202,267	1.000000	34	1.0000	#	1997		557,946,207
1963	*	168,633,965	1.000000	48	1.0000	#	1998		586,225,438
1964	*	177,509,437	1.000000	68	1.0000	#	1999		665,546,631
1965	*	186,852,039	1.000001	95	1.0000	#	2000		703,313,786
1966	*	196,686,357	1.000001	134	1.0000	#	2001		667,798,387
1967	*	207,038,270	1.000001	188	1.0000	#	2002		655,002,014
1968	*	217,935,021	1.000001	264	1.0000	#	2003		615,581,565
1969	*	229,405,286	1.000002	370	1.0000	#	2004		617,632,028
1970	*	241,479,248	1.000002	519	1.0000	#	2005		553,629,121
1971	*	254,188,682	1.000003	729	1.0000	#	2006		388,182,585
1972	*	267,567,034	1.000004	1,023	1.0000	#	2007		131,256,655
1973	*	281,649,509	1.000005	1,436	1.0000	#			

**Medical 06v07**

Latest 12/31 Prior to 1986 Incurred	1,684,375,050	
Next Latest 12/31 Prior to 1986 Incurred	1,669,353,618	1 Policy Yr 1986 Incurred = Average of 1987, 1988, 1989, reduced by PY Deflation ^ 2
CY Development of Prior Yrs	15,021,432	2 PY 1985 & Prior = Subsequent Yr x PY Deflation
Next Latest PY 1986 Incurred	406,074,016	3 1986 Development Selected Based on Observed 1987, 1988, 1989
# of 1986 Yrs in Prior Data	4.15	4 PY 1985 & 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 =	1.0445	vs
	1.0370	15,021,432
		0

Pennsylvania Compensation Rating Bureau

Tail Factor Model - 2009 Loss Cost Filing

**MEDICAL**

Policy Year	(*=Estimate)	Prior			Policy Year	(*=Estimate)	Prior		
		12/31/07	Year	Dollar			12/31/07	Year	DF
		Incurred	Development	DF			Incurred	Development	DF
1938	*	12,706,467	1.000000	0	1.0000	#	1974	*	173,236,213
1939	*	13,662,868	1.000000	0	1.0000	#	1975	*	186,275,497
1940	*	14,691,256	1.000000	0	1.0000	#	1976	*	200,296,234
1941	*	15,797,050	1.000000	0	1.0000	#	1977	*	215,372,294
1942	*	16,986,075	1.000000	1	1.0000	#	1978	*	231,583,112
1943	*	18,264,597	1.000000	1	1.0000	#	1979	*	249,014,099
1944	*	19,639,351	1.000000	1	1.0000	#	1980	*	267,757,096
1945	*	21,117,582	1.000000	2	1.0000	#	1981	*	287,910,856
1946	*	22,707,077	1.000000	2	1.0000	#	1982	*	309,581,566
1947	*	24,416,212	1.000000	4	1.0000	#	1983	*	332,883,404
1948	*	26,253,992	1.000000	5	1.0000	#	1984	*	357,939,144
1949	*	28,230,099	1.000000	7	1.0000	#	1985	*	384,880,800
1950	*	30,354,945	1.000000	11	1.0000	#	1986	*	433,717,474
1951	*	32,639,725	1.000000	15	1.0000	#	1987		410,189,531
1952	*	35,096,479	1.000001	22	1.0000	#	1988		491,094,035
1953	*	37,738,149	1.000001	31	1.0000	#	1989		603,112,806
1954	*	40,578,655	1.000001	44	1.0000	#	1990		635,094,383
1955	*	43,632,963	1.000001	64	1.0000	#	1991		605,811,389
1956	*	46,917,164	1.000002	91	1.0000	#	1992		556,125,240
1957	*	50,448,564	1.000003	131	1.0000	#	1993		472,441,578
1958	*	54,245,767	1.000003	188	1.0000	#	1994		439,726,153
1959	*	58,328,782	1.000005	269	1.0000	#	1995		415,146,952
1960	*	62,719,121	1.000006	386	1.0000	#	1996		408,908,879
1961	*	67,439,915	1.000008	553	1.0000	#	1997		437,441,370
1962	*	72,516,037	1.000011	793	1.0000	#	1998		495,814,548
1963	*	77,974,234	1.000015	1,137	1.0001	#	1999		532,295,468
1964	*	83,843,262	1.000019	1,630	1.0001	#	2000		552,116,588
1965	*	90,154,045	1.000026	2,337	1.0001	#	2001		503,052,929
1966	*	96,939,833	1.000035	3,350	1.0001	#	2002		517,536,981
1967	*	104,236,380	1.000046	4,803	1.0002	#	2003		521,805,618
1968	*	112,082,129	1.000061	6,886	1.0002	#	2004		560,760,950
1969	*	120,518,418	1.000082	9,872	1.0003	#	2005		558,758,388
1970	*	129,589,697	1.000109	14,153	1.0004	#	2006		489,968,486
1971	*	139,343,760	1.000146	20,290	1.0006	#	2007		252,608,104
1972	*	149,832,000	1.000194	29,089	1.0008	#			2.2743
1973	*	161,109,678	1.000259	41,701	1.0010	#			

**Indemnity: 05v06**

Latest 12/31 Prior to 1986 Incurred	4,540,203,598	
Next Latest 12/31 Prior to 1986 Incurred	4,537,284,525	1 Policy Yr 1985 Incurred = Average of 1986, 1987, 1988, reduced by PY Deflation ^ 2
CY Development of Prior Yrs	2,919,073	2 PY 1984 & Prior = Subsequent Yr x PY Deflation
Next Latest PY 1986 Incurred	697,208,437	3 1985 Development Selected Based on Observed 1986, 1987, 1988
# of 1986 Yrs in Prior Data	6.51	4 PY 1984 & 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 =	1.0045	vs
	1.0042	2,919,073
	0	

Pennsylvania Compensation Rating Bureau  
Tail Factor Model - 2009 Loss Cost Filing

**INDEMNITY**

Policy Year	(*=Estimate)	Prior			Policy Year	(*=Estimate)	Prior		
		12/31/06 Incurred	Year Development	Dollar Development			12/31/06 Incurred	Year Development	Dollar Development
1939	*	71,078,204	1.000000	0	1.0000	#	1973	*	406,568,630
1940	*	74,819,162	1.000000	0	1.0000	#	1974	*	427,966,979
1941	*	78,757,013	1.000000	0	1.0000	#	1975	*	450,491,557
1942	*	82,902,119	1.000000	0	1.0000	#	1976	*	474,201,639
1943	*	87,265,388	1.000000	1	1.0000	#	1977	*	499,159,620
1944	*	91,858,303	1.000000	1	1.0000	#	1978	*	525,431,179
1945	*	96,692,951	1.000000	1	1.0000	#	1979	*	553,085,451
1946	*	101,782,054	1.000000	2	1.0000	#	1980	*	582,195,212
1947	*	107,139,004	1.000000	2	1.0000	#	1981	*	612,837,065
1948	*	112,777,899	1.000000	3	1.0000	#	1982	*	645,091,647
1949	*	118,713,578	1.000000	4	1.0000	#	1983	*	679,043,839
1950	*	124,961,661	1.000000	6	1.0000	#	1984	*	714,782,989
1951	*	131,538,590	1.000000	8	1.0000	#	1985	*	752,403,146
1952	*	138,461,674	1.000000	12	1.0000	#	1986		695,237,353
1953	*	145,749,130	1.000000	16	1.0000	#	1987		842,349,548
1954	*	153,420,137	1.000000	23	1.0000	#	1988		963,476,188
1955	*	161,494,881	1.000000	32	1.0000	#	1989		1,117,268,182
1956	*	169,994,612	1.000000	45	1.0000	#	1990		1,146,603,178
1957	*	178,941,697	1.000000	63	1.0000	#	1991		1,016,455,952
1958	*	188,359,681	1.000000	89	1.0000	#	1992		881,816,911
1959	*	198,273,348	1.000001	125	1.0000	#	1993		768,680,423
1960	*	208,708,787	1.000001	175	1.0000	#	1994		702,895,888
1961	*	219,693,460	1.000001	246	1.0000	#	1995		619,067,825
1962	*	231,256,274	1.000001	345	1.0000	#	1996		527,262,064
1963	*	243,427,657	1.000002	485	1.0000	#	1997		556,001,271
1964	*	256,239,639	1.000003	680	1.0000	#	1998		580,107,647
1965	*	269,725,936	1.000004	955	1.0000	#	1999		667,120,254
1966	*	283,922,038	1.000005	1,340	1.0000	#	2000		698,572,354
1967	*	298,865,303	1.000006	1,881	1.0000	#	2001		660,373,911
1968	*	314,595,056	1.000008	2,639	1.0000	#	2002		633,659,281
1969	*	331,152,690	1.000011	3,705	1.0000	#	2003		576,608,613
1970	*	348,581,779	1.000015	5,199	1.0001	#	2004		535,732,411
1971	*	366,928,188	1.000020	7,297	1.0001	#	2005		379,313,306
1972	*	386,240,198	1.000027	10,242	1.0001	#	2006		120,639,505

Medical **05v06**

Latest 12/31 Prior to 1986 Incurred	1,363,971,912	
Next Latest 12/31 Prior to 1986 Incurred	1,343,731,732	1 Policy Yr 1985 Incurred = Average of 1986, 1987, 1988, reduced by PY Deflation ^ 2
CY Development of Prior Yrs	20,240,180	2 PY 1984 & Prior = Subsequent Yr x PY Deflation
Next Latest PY 1986 Incurred	301,204,176	3 1985 Development Selected Based on Observed 1986, 1987, 1988
# of 1986 Yrs in Prior Data	4.53	4 PY 1984 & 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 =	1.0739	vs 1.0672
		20,240,180
		0

Pennsylvania Compensation Rating Bureau  
Tail Factor Model - 2009 Loss Cost Filing

## MEDICAL

Policy Year	(*=Estimate)	Prior			Policy Year	(*=Estimate)	Prior		
		12/31/06 Incurred	Year Development	Dollar Development			12/31/06 Incurred	Year Development	Dollar Development
1939	*	12,272,884	1.000000	0	1.0000	#	1973	*	144,719,270
1940	*	13,196,649	1.000000	1	1.0000	#	1974	*	155,612,118
1941	*	14,189,945	1.000000	1	1.0000	#	1975	*	167,324,858
1942	*	15,258,006	1.000000	1	1.0000	#	1976	*	179,919,202
1943	*	16,406,458	1.000000	2	1.0000	#	1977	*	193,461,508
1944	*	17,641,352	1.000000	2	1.0000	#	1978	*	208,023,127
1945	*	18,969,196	1.000000	3	1.0000	#	1979	*	223,680,782
1946	*	20,396,985	1.000000	5	1.0000	#	1980	*	240,516,969
1947	*	21,932,242	1.000000	7	1.0000	#	1981	*	258,620,397
1948	*	23,583,056	1.000000	10	1.0000	#	1982	*	278,086,449
1949	*	25,358,124	1.000001	14	1.0000	#	1983	*	299,017,687
1950	*	27,266,800	1.000001	21	1.0000	#	1984	*	321,524,394
1951	*	29,319,140	1.000001	30	1.0000	#	1985	*	345,725,155
1952	*	31,525,957	1.000001	43	1.0000	#	1986		305,487,715
1953	*	33,898,879	1.000002	61	1.0000	#	1987		406,243,874
1954	*	36,450,407	1.000002	87	1.0000	#	1988		487,453,826
1955	*	39,193,986	1.000003	125	1.0000	#	1989		598,001,103
1956	*	42,144,071	1.000004	180	1.0000	#	1990		629,106,068
1957	*	45,316,206	1.000006	258	1.0000	#	1991		597,918,050
1958	*	48,727,103	1.000008	369	1.0000	#	1992		549,255,270
1959	*	52,394,734	1.000010	530	1.0000	#	1993		467,299,733
1960	*	56,338,424	1.000013	759	1.0001	#	1994		435,175,224
1961	*	60,578,951	1.000018	1,089	1.0001	#	1995		409,668,534
1962	*	65,138,657	1.000024	1,561	1.0001	#	1996		405,697,781
1963	*	70,041,566	1.000032	2,238	1.0001	#	1997		432,810,864
1964	*	75,313,512	1.000043	3,208	1.0002	#	1998		485,182,557
1965	*	80,982,271	1.000057	4,599	1.0002	#	1999		523,763,701
1966	*	87,077,711	1.000076	6,594	1.0003	#	2000		541,121,837
1967	*	93,631,947	1.000101	9,453	1.0004	#	2001		498,350,772
1968	*	100,679,513	1.000135	13,553	1.0005	#	2002		507,163,723
1969	*	108,257,541	1.000180	19,430	1.0007	#	2003		507,944,200
1970	*	116,405,958	1.000239	27,854	1.0010	#	2004		538,938,341
1971	*	125,167,697	1.000319	39,931	1.0013	#	2005		511,941,716
1972	*	134,588,921	1.000425	57,243	1.0017	#	2006		222,410,461

**Indemnity: 04v05**

Latest 12/31 Prior to 1985 Incurred	3,809,476,184	
Next Latest 12/31 Prior to 1985 Incurred	3,804,909,342	1 Policy Yr 1984 Incurred = Average of 1985, 1986, 1987, reduced by PY Deflation ^ 2
CY Development of Prior Yrs	4,566,842	2 PY 1983 & Prior = Subsequent Yr x PY Deflation
Next Latest PY 1985 Incurred	559,645,744	3 1984 Development Selected Based on Observed 1985, 1986, 1987
# of 1985 Yrs in Prior Data	6.81	4 PY 1983 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0
Selected Decrement, Development Factor	0.75	
Selected Average PY Deflation Factor	0.95	
<b>TAIL =</b>	<b>1.0089</b>	<b>vs</b>
	1.0082	4,566,842
		0

Pennsylvania Compensation Rating Bureau  
Tail Factor Model - 2009 Loss Cost Filing

**INDEMNITY**

Policy Year	(*=Estimate)	Prior Year Development			Policy Year (*=Estimate)			Prior Year Development			Dollar Development	
		12/31/05 Incurred	Dollar Development	DF	12/31/05 Incurred	Prior Year Development	DF	12/31/05 Incurred	Dollar Development	DF		
1938	*	56,220,076	1.000000	0	1.0000	#	1972	*	321,579,866	1.000070	22,503	1.0003
1939	*	59,179,028	1.000000	0	1.0000	#	1973	*	338,505,122	1.000093	31,582	1.0004
1940	*	62,293,713	1.000000	0	1.0000	#	1974	*	356,321,182	1.000124	44,324	1.0005
1941	*	65,572,330	1.000000	1	1.0000	#	1975	*	375,074,928	1.000166	62,207	1.0007
1942	*	69,023,505	1.000000	1	1.0000	#	1976	*	394,815,714	1.000221	87,303	1.0009
1943	*	72,656,321	1.000000	1	1.0000	#	1977	*	415,595,488	1.000295	122,521	1.0012
1944	*	76,480,338	1.000000	2	1.0000	#	1978	*	437,468,935	1.000393	171,943	1.0016
1945	*	80,505,619	1.000000	2	1.0000	#	1979	*	460,493,616	1.000524	241,292	1.0021
1946	*	84,742,757	1.000000	3	1.0000	#	1980	*	484,730,122	1.000699	338,596	1.0028
1947	*	89,202,902	1.000000	5	1.0000	#	1981	*	510,242,233	1.000932	475,112	1.0037
1948	*	93,897,791	1.000000	7	1.0000	#	1982	*	537,097,088	1.001243	666,616	1.0050
1949	*	98,839,780	1.000000	9	1.0000	#	1983	*	565,365,355	1.001657	935,215	1.0066
1950	*	104,041,874	1.000000	13	1.0000	#	1984	*	595,121,427	1.00220923	1,311,859	1.0089 20TH TO ULT.
1951	*	109,517,762	1.000000	18	1.0000	#	1985		560,619,701		1.0017	
1952	*	115,281,855	1.000000	26	1.0000	#	1986		642,795,665		1.0023	Total
1953	*	121,349,321	1.000000	36	1.0000	#	1987		774,827,604		1.0015	Development:
1954	*	127,736,127	1.000000	50	1.0000	#	1988		875,704,591		1.0032	4,566,842
1955	*	134,459,082	1.000001	71	1.0000	#	1989		1,014,938,011		1.0019	
1956	*	141,535,875	1.000001	99	1.0000	#	1990		1,064,066,970		1.0021	
1957	*	148,985,132	1.000001	139	1.0000	#	1991		954,813,525		1.0037	
1958	*	156,826,455	1.000001	196	1.0000	#	1992		838,848,429		1.0039	
1959	*	165,080,479	1.000002	274	1.0000	#	1993		724,665,760		1.0024	
1960	*	173,768,925	1.000002	385	1.0000	#	1994		667,904,596		1.0036	
1961	*	182,914,658	1.000003	541	1.0000	#	1995		570,279,863		1.0037	
1962	*	192,541,745	1.000004	759	1.0000	#	1996		498,251,986		1.0077	
1963	*	202,675,521	1.000005	1,065	1.0000	#	1997		519,883,532		1.0057	
1964	*	213,342,654	1.000007	1,495	1.0000	#	1998		557,411,578		1.0118	
1965	*	224,571,214	1.000009	2,098	1.0000	#	1999		641,609,533		1.0113	
1966	*	236,390,752	1.000012	2,944	1.0000	#	2000		674,312,377		1.0234	
1967	*	248,832,370	1.000017	4,132	1.0001	#	2001		618,777,509		1.0481	
1968	*	261,928,811	1.000022	5,800	1.0001	#	2002		567,433,905		1.1486	
1969	*	275,714,538	1.000030	8,140	1.0001	#	2003		465,612,742		1.3972	
1970	*	290,225,829	1.000039	11,424	1.0002	#	2004		363,047,043		2.9740	
1971	*	305,500,873	1.000052	16,033	1.0002	#	2005		119,797,473			6

Medical **04v05**

Latest 12/31 Prior to 1985 Incurred	1,037,205,249	
Next Latest 12/31 Prior to 1985 Incurred	1,023,232,989	1 Policy Yr 1984 Incurred = Average of 1985, 1986, 1987, reduced by PY Deflation ^ 2
CY Development of Prior Yrs	13,972,260	2 PY 1983 & Prior = Subsequent Yr x PY Deflation
Next Latest PY 1985 Incurred	252,121,883	3 1984 Development Selected Based on Observed 1985, 1986, 1987
# of 1985 Yrs in Prior Data	4.11	4 PY 1983 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0
Selected Decrement, Development Factor	0.75	
Selected Average PY Deflation Factor	0.93	
<b>TAIL =</b>	<b>1.0666</b>	
vs	1.0554	
	13,972,260	
	0	

Pennsylvania Compensation Rating Bureau  
Tail Factor Model - 2009 Loss Cost Filing

**MEDICAL**

Policy Year	(*=Estimate)	Prior			DF	Policy Year	(*=Estimate)	Prior		
		12/31/05	Year	Dollar				12/31/05	Year	Dollar
		Incurred	Development			Incurred	Development	Development		DF
1939	*	10,062,210	1.000000	0	1.0000	#	1973	*	118,651,470	1.000684
1940	*	10,819,581	1.000000	1	1.0000	#	1974	*	127,582,226	1.000912
1941	*	11,633,958	1.000000	1	1.0000	#	1975	*	137,185,189	1.001216
1942	*	12,509,632	1.000000	1	1.0000	#	1976	*	147,510,956	1.001622
1943	*	13,451,217	1.000000	2	1.0000	#	1977	*	158,613,931	1.002162
1944	*	14,463,674	1.000000	2	1.0000	#	1978	*	170,552,614	1.002883
1945	*	15,552,338	1.000000	3	1.0000	#	1979	*	183,389,908	1.003844
1946	*	16,722,944	1.000000	5	1.0000	#	1980	*	197,193,449	1.005125
1947	*	17,981,660	1.000000	7	1.0000	#	1981	*	212,035,967	1.006834
1948	*	19,335,118	1.000001	10	1.0000	#	1982	*	227,995,663	1.009111
1949	*	20,790,450	1.000001	14	1.0000	#	1983	*	245,156,627	1.012148
1950	*	22,355,323	1.000001	20	1.0000	#	1984	*	263,609,276	1.01619795
1951	*	24,037,981	1.000001	29	1.0000	#	1985		256,528,384	1.0175
1952	*	25,847,292	1.000002	42	1.0000	#	1986		283,007,501	1.0174
1953	*	27,792,787	1.000002	60	1.0000	#	1987		374,821,647	1.0180
1954	*	29,884,717	1.000003	86	1.0000	#	1988		451,023,649	1.0078
1955	*	32,134,104	1.000004	124	1.0000	#	1989		547,525,955	1.0139
1956	*	34,552,800	1.000005	178	1.0000	#	1990		583,973,112	1.0102
1957	*	37,153,549	1.000007	255	1.0000	#	1991		557,835,742	1.0183
1958	*	39,950,052	1.000009	365	1.0000	#	1992		520,531,768	1.0155
1959	*	42,957,045	1.000012	524	1.0000	#	1993		437,565,564	1.0153
1960	*	46,190,371	1.000016	751	1.0001	#	1994		408,219,045	1.0114
1961	*	49,667,066	1.000022	1,076	1.0001	#	1995		381,578,031	1.0169
1962	*	53,405,447	1.000029	1,543	1.0001	#	1996		380,138,756	1.0198
1963	*	57,425,212	1.000039	2,212	1.0002	#	1997		403,519,455	1.0206
1964	*	61,747,540	1.000051	3,172	1.0002	#	1998		457,268,696	1.0184
1965	*	66,395,204	1.000068	4,547	1.0003	#	1999		507,458,242	1.0227
1966	*	71,392,693	1.000091	6,519	1.0004	#	2000		521,696,471	1.0252
1967	*	76,766,336	1.000122	9,346	1.0005	#	2001		471,070,279	1.0205
1968	*	82,544,448	1.000162	13,399	1.0006	#	2002		460,370,470	1.0456
1969	*	88,757,471	1.000216	19,208	1.0009	#	2003		446,807,003	1.1072
1970	*	95,438,140	1.000289	27,537	1.0012	#	2004		460,469,261	2.3906
1971	*	102,621,656	1.000385	39,476	1.0015	#	2005		213,337,922	
1972	*	110,345,867	1.000513	56,589	1.0021	#				

**Indemnity:** 03v04

Latest 12/31 Prior to 1984 Incurred	3,094,857,443		
Next Latest 12/31 Prior to 1984 Incurred	3,094,315,297		
CY Development of Prior Yrs	542,146		1 Policy Yr 1983 Incurred = Average of 1984, 1985, 1986, reduced by PY Deflation ^ 2
Next Latest PY 1984 Incurred	446,601,595		2 PY 1982 & Prior = Subsequent Yr x PY Deflation
# of 1984 Yrs in Prior Data	6.93		3 1983 Development Selected Based on Observed 1984, 1985, 1986
Selected Decrement, Development Factor	0.75		4 PY 1982 & Prior Development = (Subsequent Yr - 1.0) x Selected Decrement + 1.0
Selected Average PY Deflation Factor	0.95		
<b>TAIL =</b>	<b>1.0014</b>	<b>vs</b>	<b>1.0012</b>
			542,146
			0

Pennsylvania Compensation Rating Bureau  
Tail Factor Model - 2009 Loss Cost Filing

**INDEMNITY**

Policy Year	(*=Estimate)	Prior Year Development			DF	Policy Year	(*=Estimate)	Prior Year Development			DF	
		12/31/04	Incurred	Dollar Development				12/31/04	Incurred	Dollar Development		
1937	*	43,642,821	1.000000	0	1.0000	#	1971	*	249,637,734	1.000011	2,668	1.0000
1938	*	45,939,811	1.000000	0	1.0000	#	1972	*	262,776,562	1.000014	3,745	1.0001
1939	*	48,357,696	1.000000	0	1.0000	#	1973	*	276,606,908	1.000019	5,256	1.0001
1940	*	50,902,838	1.000000	0	1.0000	#	1974	*	291,165,166	1.000025	7,377	1.0001
1941	*	53,581,935	1.000000	0	1.0000	#	1975	*	306,489,649	1.000034	10,354	1.0001
1942	*	56,402,037	1.000000	0	1.0000	#	1976	*	322,620,683	1.000045	14,532	1.0002
1943	*	59,370,565	1.000000	0	1.0000	#	1977	*	339,600,719	1.000060	20,395	1.0002
1944	*	62,495,331	1.000000	0	1.0000	#	1978	*	357,474,441	1.000080	28,624	1.0003
1945	*	65,784,559	1.000000	0	1.0000	#	1979	*	376,288,885	1.000107	40,173	1.0004
1946	*	69,246,905	1.000000	1	1.0000	#	1980	*	396,093,563	1.000142	56,382	1.0006
1947	*	72,891,478	1.000000	1	1.0000	#	1981	*	416,940,593	1.000190	79,129	1.0008
1948	*	76,727,872	1.000000	1	1.0000	#	1982	*	438,884,834	1.000253	111,051	1.0010
1949	*	80,766,181	1.000000	2	1.0000	#	1983	*	461,984,036	1.00033746	155,847	1.0014
1950	*	85,017,033	1.000000	2	1.0000	#	1984		446,836,582			20TH TO ULT.
1951	*	89,491,613	1.000000	3	1.0000	#	1985		504,409,788	0.9997		Total
1952	*	94,201,698	1.000000	4	1.0000	#	1986		584,434,637	1.0003		Development:
1953	*	99,159,683	1.000000	6	1.0000	#	1987		699,300,730	0.9985		542,146
1954	*	104,378,613	1.000000	8	1.0000	#	1988		782,317,750	0.9995		
1955	*	109,872,224	1.000000	12	1.0000	#	1989		914,033,482	0.9981		
1956	*	115,654,973	1.000000	17	1.0000	#	1990		964,374,041	0.9987		
1957	*	121,742,077	1.000000	23	1.0000	#	1991		867,535,077	0.9993		
1958	*	128,149,555	1.000000	33	1.0000	#	1992		779,177,029	0.9986		
1959	*	134,894,268	1.000000	46	1.0000	#	1993		681,529,933	1.0003		
1960	*	141,993,966	1.000000	64	1.0000	#	1994		622,881,958	0.9927		
1961	*	149,467,333	1.000001	90	1.0000	#	1995		529,062,599	0.9991		
1962	*	157,334,035	1.000001	126	1.0000	#	1996		460,432,979	1.0026		
1963	*	165,614,773	1.000001	177	1.0000	#	1997		463,645,175	1.0121		
1964	*	174,331,340	1.000001	249	1.0000	#	1998		488,035,730	1.0270		
1965	*	183,506,674	1.000002	349	1.0000	#	1999		590,662,276	1.0297		
1966	*	193,164,920	1.000003	490	1.0000	#	2000		625,243,934	1.0635		
1967	*	203,331,495	1.000003	688	1.0000	#	2001		563,688,058	1.1363		
1968	*	214,033,152	1.000005	965	1.0000	#	2002		480,815,291	1.4256		
1969	*	225,298,055	1.000006	1,355	1.0000	#	2003		324,978,784	3.0782		
1970	*	237,155,848	1.000008	1,901	1.0000	#	2004		119,592,005			

Medical **03v04**

Latest 12/31 Prior to 1984 Incurred	776,604,799			
Next Latest 12/31 Prior to 1984 Incurred	777,152,161			
CY Development of Prior Yrs	-547,362			
Next Latest PY 1984 Incurred	177,039,954			
# of 1984 Yrs in Prior Data	4.39			
Selected Decrement, Development Factor	0.75			
Selected Average PY Deflation Factor	0.93			
TAIL =	.9966	vs	.9969	-547,362
				0

Pennsylvania Compensation Rating Bureau  
Tail Factor Model - 2009 Loss Cost Filing

## MEDICAL

Policy Year	(*=Estimate)	Prior Year Development			DF	Policy Year	(*=Estimate)	Prior Year Development			DF	
		12/31/04 Incurred	Dollar Development	DF				12/31/04 Incurred	Dollar Development	DF		
1938	*	7,342,328	1.000000	0	1.0000	#	1972	*	86,579,190	.999964	-3,146	.9999
1939	*	7,894,976	1.000000	0	1.0000	#	1973	*	93,095,903	.999952	-4,511	.9998
1940	*	8,489,222	1.000000	0	1.0000	#	1974	*	100,103,122	.999935	-6,467	.9997
1941	*	9,128,195	1.000000	0	1.0000	#	1975	*	107,637,766	.999914	-9,272	.9997
1942	*	9,815,264	1.000000	0	1.0000	#	1976	*	115,739,533	.999885	-13,293	.9995
1943	*	10,554,047	1.000000	0	1.0000	#	1977	*	124,451,111	.999847	-19,059	.9994
1944	*	11,348,438	1.000000	0	1.0000	#	1978	*	133,818,399	.999796	-27,326	.9992
1945	*	12,202,621	1.000000	0	1.0000	#	1979	*	143,890,751	.999728	-39,179	.9989
1946	*	13,121,098	1.000000	0	1.0000	#	1980	*	154,721,238	.999637	-56,176	.9985
1947	*	14,108,708	1.000000	0	1.0000	#	1981	*	166,366,922	.999516	-80,549	.9981
1948	*	15,170,653	1.000000	-1	1.0000	#	1982	*	178,889,164	.999355	-115,501	.9974
1949	*	16,312,530	1.000000	-1	1.0000	#	1983	*	192,353,940	0.999139677	-165,629	.9966
1950	*	17,540,355	1.000000	-1	1.0000	#	1984		179,859,533	1.0159		
1951	*	18,860,597	1.000000	-2	1.0000	#	1985		232,070,301	1.0141		
1952	*	20,280,212	1.000000	-2	1.0000	#	1986		255,270,789	1.0094		Total
1953	*	21,806,680	1.000000	-3	1.0000	#	1987		338,708,724	1.0111		Development:
1954	*	23,448,043	1.000000	-5	1.0000	#	1988		400,864,014	1.0136		-547,362
1955	*	25,212,949	1.000000	-7	1.0000	#	1989		486,182,240	1.0109		
1956	*	27,110,698	1.000000	-10	1.0000	#	1990		528,310,574	1.0087		
1957	*	29,151,288	1.000000	-14	1.0000	#	1991		500,305,973	1.0076		
1958	*	31,345,471	.999999	-20	1.0000	#	1992		479,072,517	1.0176		
1959	*	33,704,807	.999999	-29	1.0000	#	1993		405,238,680	1.0160		
1960	*	36,241,728	.999999	-42	1.0000	#	1994		378,616,935	1.0254		
1961	*	38,969,601	.999998	-60	1.0000	#	1995		349,485,683	1.0221		
1962	*	41,902,796	.999998	-86	1.0000	#	1996		347,432,405	1.0212		
1963	*	45,056,770	.999997	-123	1.0000	#	1997		355,049,961	1.0106		
1964	*	48,448,140	.999996	-176	1.0000	#	1998		397,637,147	1.0301		
1965	*	52,094,774	.999995	-253	1.0000	#	1999		459,782,125	1.0306		
1966	*	56,015,886	.999994	-362	1.0000	#	2000		484,079,451	1.0309		
1967	*	60,232,136	.999991	-519	1.0000	#	2001		440,983,184	1.0502		
1968	*	64,765,737	.999989	-745	1.0000	#	2002		425,108,865	1.1134		
1969	*	69,640,578	.999985	-1,068	.9999	#	2003		396,378,492	2.3013		
1970	*	74,882,342	.999980	-1,531	.9999	#	2004		188,888,226			
1971	*	80,518,647	.999973	-2,194	.9999	#						