

PENNSYLVANIA COMPENSATION RATING BUREAU

Measures of Goodness of Fit in Trend Calculations Using Loss Ratios

Estimates of trended loss ratios using from 4 to 10 data points for each loss development technique are shown in Exhibit 6 of this mailing.

The first page of the attachment shows R^2 values for the regressions producing those trended loss ratios.

Pages 2 and 3 show indemnity fitted loss ratios for each loss development method using from 4 to 10 data points. Page 2 uses linear regression and page 3 uses exponential techniques. Pages 4 and 5 present analogous results for medical-linear and medical-exponential respectively.

Pages 6 through 9 show residuals resulting from the comparison of actual and fitted (actual minus fitted) values for the curves used in the trend projections. Page 6 shows indemnity results using linear regression, page 7 is for indemnity-exponential, page 8 for medical-linear and page 9 for medical-exponential.

INDEMNITY		Average	(Pd & Inc)	(Incur)	(Pd-2)	(Pd-3)	(Pd-4)	(Pd-5)	(Pd-6)	(Pd-8)	(Pd-12)	(Pd-16)	(Pd-20)
r^2													
4 Point	Linear	0.969	0.957	0.941	0.909	0.981	0.981	0.981	0.981	0.981	0.981	0.981	0.982
5 Point	Linear	0.693	0.767	0.756	0.717	0.628	0.541	0.575	0.575	0.576	0.576	0.575	0.575
6 Point	Linear	0.028	0.158	0.078	0.046	0.001	0.002	0.003	0.006	0.006	0.006	0.006	0.006
7 Point	Linear	0.002	0.045	0.005	0.000	0.042	0.071	0.082	0.077	0.078	0.078	0.078	0.078
8 Point	Linear	0.065	0.006	0.005	0.021	0.120	0.161	0.179	0.272	0.252	0.252	0.253	0.252
9 Point	Linear	0.079	0.243	0.194	0.170	0.098	0.073	0.058	0.002	0.000	0.000	0.000	0.000
10 Point	Linear	0.314	0.448	0.414	0.396	0.339	0.314	0.297	0.191	0.161	0.161	0.161	0.162
4 Point	Expon'l	0.967	0.955	0.948	0.915	0.979	0.979	0.980	0.979	0.979	0.979	0.979	0.980
5 Point	Expon'l	0.698	0.770	0.766	0.726	0.633	0.548	0.581	0.581	0.582	0.582	0.582	0.581
6 Point	Expon'l	0.026	0.163	0.078	0.045	0.000	0.002	0.004	0.008	0.008	0.008	0.008	0.008
7 Point	Expon'l	0.002	0.049	0.005	0.000	0.045	0.074	0.087	0.082	0.082	0.082	0.082	0.082
8 Point	Expon'l	0.066	0.008	0.005	0.021	0.123	0.165	0.185	0.283	0.262	0.262	0.263	0.262
9 Point	Expon'l	0.069	0.238	0.185	0.159	0.085	0.061	0.046	0.000	0.000	0.000	0.000	0.000
10 Point	Expon'l	0.297	0.446	0.407	0.387	0.322	0.294	0.276	0.165	0.140	0.140	0.140	0.140
MEDICAL		Average	(Pd & Inc)	(Incur)	(Pd-2)	(Pd-3)	(Pd-4)	(Pd-5)	(Pd-6)	(Pd-8)	(Pd-12)	(Pd-16)	(Pd-20)
r^2													
4 Point	Linear	0.509	0.614	0.533	0.238	0.310	0.299	0.300	0.300	0.301	0.299	0.299	0.299
5 Point	Linear	0.525	0.662	0.604	0.332	0.302	0.227	0.229	0.229	0.232	0.232	0.230	0.230
6 Point	Linear	0.252	0.499	0.451	0.205	0.065	0.017	0.105	0.000	0.000	0.000	0.000	0.000
7 Point	Linear	0.002	0.053	0.033	0.007	0.144	0.204	0.116	0.101	0.101	0.101	0.101	0.101
8 Point	Linear	0.126	0.022	0.037	0.170	0.395	0.450	0.371	0.359	0.371	0.371	0.371	0.371
9 Point	Linear	0.089	0.024	0.039	0.168	0.386	0.440	0.350	0.279	0.215	0.215	0.216	0.214
10 Point	Linear	0.018	0.005	0.013	0.102	0.285	0.335	0.235	0.119	0.039	0.039	0.040	0.039
4 Point	Expon'l	0.505	0.615	0.530	0.225	0.303	0.292	0.292	0.292	0.293	0.293	0.292	0.292
5 Point	Expon'l	0.528	0.667	0.606	0.325	0.300	0.226	0.228	0.227	0.231	0.231	0.228	0.228
6 Point	Expon'l	0.257	0.509	0.459	0.205	0.066	0.017	0.106	0.000	0.000	0.000	0.000	0.000
7 Point	Expon'l	0.001	0.053	0.032	0.008	0.151	0.212	0.122	0.106	0.105	0.105	0.105	0.105
8 Point	Expon'l	0.135	0.025	0.042	0.180	0.405	0.459	0.381	0.369	0.379	0.379	0.380	0.380
9 Point	Expon'l	0.092	0.025	0.042	0.173	0.391	0.443	0.354	0.283	0.218	0.218	0.219	0.218
10 Point	Expon'l	0.019	0.005	0.013	0.104	0.284	0.333	0.235	0.120	0.041	0.041	0.042	0.041

INDEMNITY		Loss Ratio	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss
Linear	Policy	Average	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio
FITTED	Year	(Pd & Inc)	(Incur)	(Pd-2)	(Pd-3)	(Pd-4)	(Pd-5)	(Pd-6)	(Pd-8)	(Pd-12)	(Pd-16)	(Pd-20)
4 Point	2000	0.5116	0.4743	0.4713	0.4713	0.4763	0.4800	0.4823	0.5054	0.5352	0.5381	0.5488
	2001	0.4919	0.4521	0.4536	0.4550	0.4615	0.4650	0.4672	0.4896	0.5184	0.5213	0.5317
	2002	0.4722	0.4298	0.4359	0.4386	0.4468	0.4500	0.4521	0.4738	0.5017	0.5045	0.5145
	2003	0.4525	0.4076	0.4183	0.4223	0.4320	0.4350	0.4370	0.4580	0.4849	0.4877	0.4974
5 Point	1999	0.5084	0.4743	0.4712	0.4707	0.4720	0.4736	0.4767	0.4995	0.5290	0.5318	0.5425
	2000	0.4963	0.4595	0.4595	0.4600	0.4636	0.4658	0.4685	0.4910	0.5199	0.5227	0.5332
	2001	0.4842	0.4446	0.4477	0.4493	0.4552	0.4579	0.4603	0.4824	0.5108	0.5136	0.5238
	2002	0.4722	0.4298	0.4359	0.4386	0.4468	0.4500	0.4521	0.4738	0.5017	0.5045	0.5145
	2003	0.4601	0.4150	0.4242	0.4279	0.4384	0.4421	0.4439	0.4652	0.4926	0.4953	0.5052
6 Point	1998	0.4842	0.4546	0.4517	0.4509	0.4505	0.4510	0.4526	0.4731	0.5010	0.5037	0.5138
	1999	0.4820	0.4492	0.4484	0.4485	0.4502	0.4514	0.4532	0.4741	0.5020	0.5048	0.5149
	2000	0.4798	0.4438	0.4452	0.4461	0.4500	0.4519	0.4538	0.4750	0.5030	0.5058	0.5159
	2001	0.4776	0.4384	0.4420	0.4438	0.4497	0.4523	0.4544	0.4760	0.5040	0.5068	0.5169
	2002	0.4755	0.4330	0.4388	0.4414	0.4495	0.4527	0.4550	0.4770	0.5051	0.5078	0.5180
	2003	0.4733	0.4276	0.4356	0.4390	0.4493	0.4532	0.4557	0.4779	0.5061	0.5089	0.5190
7 Point	1997	0.4750	0.4466	0.4438	0.4430	0.4416	0.4415	0.4423	0.4636	0.4909	0.4937	0.5035
	1998	0.4754	0.4443	0.4432	0.4430	0.4435	0.4440	0.4451	0.4666	0.4940	0.4968	0.5067
	1999	0.4759	0.4420	0.4425	0.4430	0.4453	0.4466	0.4480	0.4695	0.4971	0.4999	0.5099
	2000	0.4763	0.4396	0.4418	0.4430	0.4472	0.4491	0.4508	0.4724	0.5002	0.5030	0.5130
	2001	0.4768	0.4373	0.4412	0.4430	0.4490	0.4516	0.4537	0.4753	0.5033	0.5061	0.5162
	2002	0.4772	0.4350	0.4405	0.4430	0.4509	0.4541	0.4565	0.4783	0.5064	0.5092	0.5194
	2003	0.4777	0.4327	0.4398	0.4430	0.4528	0.4567	0.4594	0.4812	0.5095	0.5123	0.5226
8 Point	1996	0.4646	0.4409	0.4383	0.4374	0.4355	0.4351	0.4353	0.4478	0.4763	0.4789	0.4885
	1997	0.4670	0.4401	0.4389	0.4385	0.4382	0.4384	0.4390	0.4533	0.4817	0.4843	0.4940
	1998	0.4695	0.4394	0.4394	0.4396	0.4409	0.4417	0.4427	0.4588	0.4871	0.4898	0.4996
	1999	0.4719	0.4387	0.4400	0.4407	0.4436	0.4450	0.4463	0.4643	0.4925	0.4952	0.5051
	2000	0.4743	0.4380	0.4406	0.4419	0.4463	0.4483	0.4500	0.4698	0.4979	0.5007	0.5107
	2001	0.4768	0.4373	0.4412	0.4430	0.4490	0.4516	0.4537	0.4753	0.5033	0.5061	0.5162
	2002	0.4792	0.4366	0.4417	0.4441	0.4518	0.4549	0.4574	0.4809	0.5088	0.5116	0.5218
	2003	0.4816	0.4359	0.4423	0.4452	0.4545	0.4582	0.4610	0.4864	0.5142	0.5170	0.5273
9 Point	1995	0.4956	0.4757	0.4733	0.4724	0.4702	0.4696	0.4695	0.4761	0.5027	0.5054	0.5156
	1996	0.4921	0.4690	0.4676	0.4672	0.4663	0.4662	0.4665	0.4756	0.5025	0.5052	0.5154
	1997	0.4887	0.4622	0.4619	0.4619	0.4624	0.4629	0.4635	0.4752	0.5023	0.5050	0.5151
	1998	0.4852	0.4555	0.4562	0.4566	0.4585	0.4595	0.4605	0.4747	0.5021	0.5048	0.5149
	1999	0.4817	0.4488	0.4505	0.4514	0.4546	0.4561	0.4575	0.4743	0.5019	0.5046	0.5147
	2000	0.4783	0.4421	0.4448	0.4461	0.4507	0.4528	0.4545	0.4738	0.5017	0.5044	0.5145
	2001	0.4748	0.4353	0.4391	0.4408	0.4468	0.4494	0.4515	0.4733	0.5015	0.5042	0.5143
	2002	0.4713	0.4286	0.4334	0.4356	0.4429	0.4460	0.4484	0.4729	0.5013	0.5040	0.5141
	2003	0.4679	0.4219	0.4277	0.4303	0.4390	0.4426	0.4454	0.4724	0.5011	0.5038	0.5139
10 Point	1994	0.5387	0.5239	0.5216	0.5208	0.5185	0.5177	0.5174	0.5200	0.5397	0.5426	0.5535
	1995	0.5289	0.5106	0.5092	0.5087	0.5076	0.5072	0.5073	0.5127	0.5336	0.5366	0.5473
	1996	0.5192	0.4973	0.4968	0.4966	0.4967	0.4968	0.4972	0.5054	0.5276	0.5305	0.5412
	1997	0.5095	0.4840	0.4843	0.4846	0.4858	0.4864	0.4871	0.4981	0.5216	0.5245	0.5350
	1998	0.4998	0.4708	0.4719	0.4725	0.4749	0.4760	0.4770	0.4907	0.5156	0.5185	0.5288
	1999	0.4901	0.4575	0.4595	0.4604	0.4640	0.4655	0.4669	0.4834	0.5096	0.5124	0.5227
	2000	0.4804	0.4442	0.4470	0.4484	0.4531	0.4551	0.4568	0.4761	0.5036	0.5064	0.5165
	2001	0.4706	0.4310	0.4346	0.4363	0.4422	0.4447	0.4467	0.4688	0.4976	0.5003	0.5103
	2002	0.4609	0.4177	0.4221	0.4242	0.4313	0.4343	0.4366	0.4614	0.4916	0.4943	0.5042
	2003	0.4512	0.4044	0.4097	0.4122	0.4204	0.4238	0.4265	0.4541	0.4856	0.4883	0.4980

INDEMNITY		Loss Ratio	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss
Expon'l	Policy	Average	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio
FITTED	Year	(Pd & Inc)	(Incur)	(Pd-2)	(Pd-3)	(Pd-4)	(Pd-5)	(Pd-6)	(Pd-8)	(Pd-12)	(Pd-16)	(Pd-20)
4 Point	2000	0.5120	0.4749	0.4714	0.4714	0.4765	0.4803	0.4826	0.5057	0.5355	0.5384	0.5492
	2001	0.4915	0.4515	0.4532	0.4546	0.4613	0.4647	0.4669	0.4893	0.5182	0.5210	0.5314
	2002	0.4717	0.4292	0.4356	0.4383	0.4465	0.4497	0.4518	0.4735	0.5014	0.5042	0.5142
	2003	0.4528	0.4080	0.4188	0.4226	0.4322	0.4352	0.4372	0.4582	0.4852	0.4879	0.4976
5 Point	1999	0.5089	0.4751	0.4716	0.4710	0.4723	0.4738	0.4769	0.4998	0.5292	0.5321	0.5427
	2000	0.4962	0.4593	0.4593	0.4598	0.4635	0.4656	0.4684	0.4909	0.5198	0.5226	0.5331
	2001	0.4838	0.4440	0.4473	0.4489	0.4549	0.4576	0.4600	0.4821	0.5105	0.5133	0.5235
	2002	0.4717	0.4292	0.4356	0.4383	0.4465	0.4497	0.4518	0.4735	0.5014	0.5042	0.5142
	2003	0.4600	0.4149	0.4243	0.4279	0.4382	0.4419	0.4438	0.4650	0.4924	0.4952	0.5051
6 Point	1998	0.4836	0.4544	0.4512	0.4504	0.4499	0.4503	0.4518	0.4723	0.5001	0.5028	0.5129
	1999	0.4814	0.4488	0.4480	0.4481	0.4497	0.4509	0.4526	0.4734	0.5013	0.5040	0.5141
	2000	0.4793	0.4432	0.4448	0.4457	0.4496	0.4514	0.4533	0.4745	0.5024	0.5052	0.5153
	2001	0.4771	0.4377	0.4416	0.4434	0.4494	0.4520	0.4541	0.4756	0.5036	0.5064	0.5165
	2002	0.4750	0.4323	0.4384	0.4411	0.4493	0.4525	0.4548	0.4767	0.5048	0.5076	0.5177
	2003	0.4729	0.4269	0.4353	0.4387	0.4491	0.4531	0.4556	0.4778	0.5060	0.5088	0.5189
7 Point	1997	0.4745	0.4464	0.4435	0.4426	0.4412	0.4410	0.4417	0.4630	0.4903	0.4930	0.5028
	1998	0.4750	0.4440	0.4428	0.4426	0.4430	0.4435	0.4446	0.4660	0.4934	0.4961	0.5060
	1999	0.4754	0.4415	0.4421	0.4426	0.4449	0.4461	0.4475	0.4690	0.4966	0.4993	0.5093
	2000	0.4758	0.4391	0.4414	0.4426	0.4468	0.4487	0.4504	0.4719	0.4997	0.5025	0.5125
	2001	0.4763	0.4367	0.4408	0.4426	0.4487	0.4513	0.4533	0.4750	0.5029	0.5057	0.5158
	2002	0.4767	0.4343	0.4401	0.4426	0.4506	0.4539	0.4563	0.4780	0.5062	0.5089	0.5191
	2003	0.4772	0.4319	0.4394	0.4426	0.4526	0.4565	0.4593	0.4810	0.5094	0.5122	0.5224
8 Point	1996	0.4642	0.4407	0.4380	0.4371	0.4352	0.4348	0.4350	0.4471	0.4757	0.4783	0.4879
	1997	0.4666	0.4399	0.4386	0.4382	0.4379	0.4380	0.4386	0.4526	0.4810	0.4837	0.4934
	1998	0.4690	0.4391	0.4391	0.4393	0.4406	0.4413	0.4422	0.4581	0.4864	0.4891	0.4989
	1999	0.4714	0.4383	0.4397	0.4404	0.4433	0.4446	0.4459	0.4636	0.4919	0.4946	0.5045
	2000	0.4738	0.4375	0.4402	0.4415	0.4460	0.4479	0.4496	0.4693	0.4974	0.5001	0.5101
	2001	0.4763	0.4367	0.4408	0.4426	0.4487	0.4513	0.4533	0.4750	0.5029	0.5057	0.5158
	2002	0.4787	0.4359	0.4413	0.4437	0.4515	0.4547	0.4571	0.4807	0.5086	0.5114	0.5216
	2003	0.4812	0.4351	0.4419	0.4448	0.4542	0.4581	0.4609	0.4866	0.5143	0.5171	0.5274
9 Point	1995	0.4935	0.4737	0.4710	0.4700	0.4677	0.4670	0.4669	0.4739	0.5008	0.5035	0.5136
	1996	0.4903	0.4670	0.4655	0.4650	0.4641	0.4640	0.4643	0.4737	0.5008	0.5036	0.5137
	1997	0.4871	0.4604	0.4600	0.4600	0.4606	0.4610	0.4616	0.4736	0.5009	0.5036	0.5137
	1998	0.4839	0.4539	0.4546	0.4551	0.4571	0.4580	0.4590	0.4734	0.5009	0.5037	0.5138
	1999	0.4807	0.4475	0.4493	0.4502	0.4536	0.4550	0.4564	0.4733	0.5010	0.5037	0.5138
	2000	0.4776	0.4411	0.4441	0.4454	0.4501	0.4521	0.4538	0.4731	0.5010	0.5038	0.5139
	2001	0.4744	0.4349	0.4389	0.4407	0.4467	0.4492	0.4512	0.4730	0.5011	0.5039	0.5139
	2002	0.4713	0.4287	0.4337	0.4359	0.4433	0.4463	0.4487	0.4729	0.5011	0.5039	0.5140
	2003	0.4682	0.4227	0.4286	0.4313	0.4399	0.4434	0.4461	0.4727	0.5012	0.5040	0.5140
10 Point	1994	0.5344	0.5196	0.5168	0.5157	0.5130	0.5121	0.5118	0.5149	0.5359	0.5388	0.5496
	1995	0.5248	0.5059	0.5042	0.5036	0.5023	0.5020	0.5020	0.5081	0.5302	0.5331	0.5438
	1996	0.5154	0.4927	0.4920	0.4918	0.4918	0.4920	0.4924	0.5013	0.5246	0.5275	0.5381
	1997	0.5062	0.4797	0.4801	0.4803	0.4816	0.4823	0.4830	0.4947	0.5191	0.5219	0.5324
	1998	0.4971	0.4671	0.4684	0.4691	0.4716	0.4727	0.4738	0.4881	0.5136	0.5164	0.5268
	1999	0.4882	0.4549	0.4570	0.4581	0.4617	0.4633	0.4647	0.4816	0.5082	0.5110	0.5212
	2000	0.4794	0.4430	0.4459	0.4473	0.4521	0.4541	0.4559	0.4752	0.5028	0.5056	0.5157
	2001	0.4708	0.4313	0.4351	0.4369	0.4427	0.4451	0.4472	0.4689	0.4975	0.5003	0.5103
	2002	0.4623	0.4200	0.4246	0.4266	0.4335	0.4363	0.4386	0.4627	0.4923	0.4950	0.5049
	2003	0.4540	0.4090	0.4143	0.4166	0.4244	0.4277	0.4302	0.4565	0.4871	0.4898	0.4995

MEDICAL		Loss Ratio	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss
Linear	Policy	Average	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio
FITTED	Year	(Pd & Inc)	(Incur)	(Pd-2)	(Pd-3)	(Pd-4)	(Pd-5)	(Pd-6)	(Pd-8)	(Pd-12)	(Pd-16)	(Pd-20)
4 Point	2000	0.4631	0.4731	0.4721	0.4712	0.4768	0.4792	0.4726	0.4644	0.4551	0.4529	0.4530
	2001	0.4539	0.4595	0.4599	0.4640	0.4715	0.4741	0.4675	0.4594	0.4502	0.4481	0.4482
	2002	0.4446	0.4459	0.4477	0.4569	0.4661	0.4690	0.4625	0.4545	0.4454	0.4433	0.4434
	2003	0.4354	0.4323	0.4355	0.4497	0.4608	0.4639	0.4574	0.4495	0.4405	0.4384	0.4385
5 Point	1999	0.4659	0.4794	0.4785	0.4761	0.4776	0.4785	0.4719	0.4637	0.4545	0.4523	0.4524
	2000	0.4588	0.4682	0.4682	0.4697	0.4738	0.4753	0.4688	0.4607	0.4515	0.4493	0.4494
	2001	0.4517	0.4571	0.4580	0.4633	0.4699	0.4721	0.4656	0.4576	0.4484	0.4463	0.4464
	2002	0.4446	0.4459	0.4477	0.4569	0.4661	0.4690	0.4625	0.4545	0.4454	0.4433	0.4434
	2003	0.4375	0.4347	0.4375	0.4505	0.4623	0.4658	0.4593	0.4514	0.4423	0.4402	0.4403
6 Point	1998	0.4607	0.4768	0.4759	0.4730	0.4725	0.4726	0.4694	0.4556	0.4465	0.4444	0.4445
	1999	0.4569	0.4694	0.4692	0.4692	0.4711	0.4719	0.4678	0.4556	0.4465	0.4443	0.4444
	2000	0.4532	0.4620	0.4624	0.4654	0.4697	0.4712	0.4662	0.4555	0.4465	0.4443	0.4444
	2001	0.4495	0.4546	0.4557	0.4615	0.4683	0.4705	0.4646	0.4555	0.4464	0.4443	0.4444
	2002	0.4458	0.4471	0.4489	0.4577	0.4669	0.4698	0.4630	0.4555	0.4464	0.4443	0.4444
	2003	0.4420	0.4397	0.4421	0.4539	0.4655	0.4691	0.4613	0.4555	0.4463	0.4442	0.4443
7 Point	1997	0.4494	0.4613	0.4605	0.4573	0.4558	0.4554	0.4543	0.4484	0.4394	0.4373	0.4374
	1998	0.4491	0.4592	0.4589	0.4580	0.4586	0.4589	0.4565	0.4500	0.4410	0.4389	0.4390
	1999	0.4489	0.4571	0.4572	0.4587	0.4613	0.4623	0.4588	0.4517	0.4427	0.4405	0.4406
	2000	0.4486	0.4549	0.4556	0.4594	0.4641	0.4657	0.4610	0.4533	0.4443	0.4421	0.4422
	2001	0.4483	0.4528	0.4539	0.4601	0.4669	0.4691	0.4633	0.4550	0.4459	0.4437	0.4438
	2002	0.4481	0.4507	0.4523	0.4607	0.4697	0.4725	0.4655	0.4566	0.4475	0.4453	0.4454
	2003	0.4478	0.4485	0.4507	0.4614	0.4725	0.4759	0.4678	0.4583	0.4491	0.4469	0.4470
8 Point	1996	0.4353	0.4462	0.4454	0.4422	0.4401	0.4395	0.4395	0.4364	0.4263	0.4242	0.4244
	1997	0.4379	0.4475	0.4471	0.4458	0.4454	0.4454	0.4443	0.4401	0.4302	0.4281	0.4283
	1998	0.4405	0.4488	0.4488	0.4493	0.4508	0.4514	0.4490	0.4438	0.4341	0.4320	0.4322
	1999	0.4431	0.4502	0.4505	0.4529	0.4562	0.4573	0.4538	0.4475	0.4380	0.4359	0.4361
	2000	0.4457	0.4515	0.4522	0.4565	0.4615	0.4632	0.4585	0.4513	0.4419	0.4398	0.4399
	2001	0.4483	0.4528	0.4539	0.4601	0.4669	0.4691	0.4633	0.4550	0.4459	0.4437	0.4438
	2002	0.4509	0.4541	0.4556	0.4636	0.4723	0.4750	0.4680	0.4587	0.4498	0.4476	0.4477
	2003	0.4536	0.4554	0.4574	0.4672	0.4777	0.4809	0.4728	0.4624	0.4537	0.4516	0.4516
9 Point	1995	0.4371	0.4458	0.4451	0.4419	0.4395	0.4388	0.4395	0.4382	0.4304	0.4283	0.4285
	1996	0.4389	0.4469	0.4465	0.4449	0.4440	0.4438	0.4434	0.4410	0.4329	0.4308	0.4309
	1997	0.4408	0.4481	0.4480	0.4479	0.4485	0.4488	0.4473	0.4437	0.4354	0.4333	0.4334
	1998	0.4426	0.4493	0.4495	0.4509	0.4530	0.4538	0.4512	0.4464	0.4379	0.4358	0.4359
	1999	0.4444	0.4504	0.4509	0.4539	0.4576	0.4588	0.4552	0.4492	0.4404	0.4383	0.4384
	2000	0.4462	0.4516	0.4524	0.4569	0.4621	0.4638	0.4591	0.4519	0.4429	0.4408	0.4409
	2001	0.4481	0.4527	0.4539	0.4599	0.4666	0.4688	0.4630	0.4546	0.4454	0.4433	0.4434
	2002	0.4499	0.4539	0.4553	0.4629	0.4712	0.4738	0.4669	0.4574	0.4479	0.4458	0.4459
	2003	0.4517	0.4551	0.4568	0.4658	0.4757	0.4788	0.4708	0.4601	0.4504	0.4483	0.4483
10 Point	1994	0.4423	0.4490	0.4483	0.4452	0.4426	0.4419	0.4430	0.4430	0.4376	0.4355	0.4356
	1995	0.4430	0.4494	0.4490	0.4472	0.4459	0.4456	0.4458	0.4445	0.4386	0.4364	0.4366
	1996	0.4437	0.4499	0.4498	0.4492	0.4493	0.4493	0.4485	0.4461	0.4395	0.4374	0.4375
	1997	0.4445	0.4504	0.4505	0.4512	0.4526	0.4530	0.4513	0.4476	0.4405	0.4384	0.4385
	1998	0.4452	0.4509	0.4512	0.4532	0.4559	0.4568	0.4540	0.4492	0.4415	0.4393	0.4395
	1999	0.4459	0.4513	0.4519	0.4552	0.4592	0.4605	0.4567	0.4507	0.4424	0.4403	0.4404
	2000	0.4466	0.4518	0.4526	0.4572	0.4625	0.4642	0.4595	0.4523	0.4434	0.4413	0.4414
	2001	0.4473	0.4523	0.4534	0.4592	0.4658	0.4679	0.4622	0.4538	0.4444	0.4423	0.4424
	2002	0.4481	0.4528	0.4541	0.4612	0.4691	0.4717	0.4650	0.4554	0.4453	0.4432	0.4433
	2003	0.4488	0.4532	0.4548	0.4632	0.4725	0.4754	0.4677	0.4569	0.4463	0.4442	0.4443

MEDICAL		Loss Ratio	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss
Expon'l	Policy	Average	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio
FITTED	Year	(Pd & Inc)	(Incur)	(Pd-2)	(Pd-3)	(Pd-4)	(Pd-5)	(Pd-6)	(Pd-8)	(Pd-12)	(Pd-16)	(Pd-20)
4 Point	2000	0.4628	0.4726	0.4716	0.4706	0.4766	0.4789	0.4724	0.4642	0.4549	0.4527	0.4528
	2001	0.4536	0.4590	0.4594	0.4636	0.4713	0.4739	0.4673	0.4593	0.4501	0.4479	0.4480
	2002	0.4445	0.4457	0.4475	0.4567	0.4660	0.4689	0.4624	0.4544	0.4453	0.4432	0.4433
	2003	0.4357	0.4328	0.4360	0.4499	0.4609	0.4639	0.4575	0.4496	0.4406	0.4385	0.4386
5 Point	1999	0.4659	0.4794	0.4784	0.4758	0.4775	0.4784	0.4718	0.4636	0.4544	0.4522	0.4523
	2000	0.4586	0.4679	0.4679	0.4694	0.4737	0.4752	0.4686	0.4605	0.4514	0.4492	0.4493
	2001	0.4515	0.4567	0.4576	0.4630	0.4698	0.4720	0.4655	0.4575	0.4483	0.4462	0.4463
	2002	0.4445	0.4457	0.4475	0.4567	0.4660	0.4689	0.4624	0.4544	0.4453	0.4432	0.4433
	2003	0.4376	0.4350	0.4377	0.4505	0.4623	0.4658	0.4593	0.4514	0.4423	0.4402	0.4403
6 Point	1998	0.4606	0.4769	0.4760	0.4728	0.4724	0.4724	0.4694	0.4554	0.4464	0.4442	0.4443
	1999	0.4568	0.4692	0.4690	0.4690	0.4710	0.4718	0.4677	0.4554	0.4464	0.4442	0.4443
	2000	0.4530	0.4617	0.4621	0.4651	0.4696	0.4711	0.4661	0.4554	0.4463	0.4442	0.4443
	2001	0.4493	0.4542	0.4553	0.4613	0.4682	0.4704	0.4645	0.4554	0.4463	0.4442	0.4443
	2002	0.4456	0.4469	0.4487	0.4576	0.4668	0.4697	0.4629	0.4554	0.4463	0.4442	0.4443
	2003	0.4420	0.4397	0.4421	0.4538	0.4655	0.4690	0.4613	0.4554	0.4463	0.4442	0.4443
7 Point	1997	0.4491	0.4609	0.4601	0.4568	0.4553	0.4550	0.4539	0.4482	0.4393	0.4372	0.4373
	1998	0.4489	0.4588	0.4585	0.4576	0.4582	0.4584	0.4562	0.4499	0.4409	0.4388	0.4389
	1999	0.4486	0.4567	0.4568	0.4583	0.4610	0.4619	0.4585	0.4515	0.4425	0.4404	0.4405
	2000	0.4484	0.4546	0.4552	0.4591	0.4639	0.4654	0.4608	0.4532	0.4441	0.4420	0.4421
	2001	0.4482	0.4525	0.4536	0.4598	0.4668	0.4690	0.4632	0.4549	0.4458	0.4437	0.4438
	2002	0.4479	0.4504	0.4520	0.4606	0.4697	0.4725	0.4655	0.4566	0.4474	0.4453	0.4454
	2003	0.4477	0.4483	0.4504	0.4613	0.4726	0.4761	0.4679	0.4582	0.4491	0.4469	0.4470
8 Point	1996	0.4348	0.4455	0.4447	0.4416	0.4395	0.4390	0.4390	0.4362	0.4260	0.4239	0.4241
	1997	0.4374	0.4469	0.4465	0.4452	0.4448	0.4448	0.4437	0.4398	0.4299	0.4278	0.4279
	1998	0.4401	0.4483	0.4483	0.4488	0.4502	0.4507	0.4485	0.4435	0.4338	0.4317	0.4318
	1999	0.4428	0.4497	0.4500	0.4524	0.4557	0.4567	0.4534	0.4473	0.4377	0.4357	0.4358
	2000	0.4455	0.4511	0.4518	0.4561	0.4612	0.4628	0.4582	0.4511	0.4417	0.4396	0.4397
	2001	0.4482	0.4525	0.4536	0.4598	0.4668	0.4690	0.4632	0.4549	0.4458	0.4437	0.4438
	2002	0.4509	0.4539	0.4554	0.4636	0.4724	0.4752	0.4682	0.4587	0.4498	0.4477	0.4478
	2003	0.4536	0.4553	0.4572	0.4673	0.4782	0.4815	0.4732	0.4626	0.4540	0.4518	0.4519
9 Point	1995	0.4367	0.4453	0.4446	0.4415	0.4391	0.4385	0.4392	0.4380	0.4301	0.4280	0.4282
	1996	0.4386	0.4465	0.4461	0.4445	0.4436	0.4434	0.4430	0.4407	0.4326	0.4305	0.4307
	1997	0.4404	0.4477	0.4476	0.4474	0.4481	0.4483	0.4469	0.4435	0.4351	0.4330	0.4331
	1998	0.4423	0.4488	0.4490	0.4505	0.4526	0.4533	0.4509	0.4462	0.4376	0.4355	0.4357
	1999	0.4441	0.4500	0.4505	0.4535	0.4572	0.4584	0.4548	0.4490	0.4402	0.4381	0.4382
	2000	0.4460	0.4512	0.4520	0.4565	0.4618	0.4635	0.4588	0.4517	0.4427	0.4406	0.4407
	2001	0.4479	0.4524	0.4535	0.4596	0.4665	0.4686	0.4629	0.4545	0.4453	0.4432	0.4433
	2002	0.4498	0.4536	0.4550	0.4627	0.4712	0.4739	0.4669	0.4573	0.4479	0.4457	0.4458
	2003	0.4517	0.4548	0.4566	0.4658	0.4760	0.4791	0.4711	0.4602	0.4505	0.4483	0.4484
10 Point	1994	0.4420	0.4486	0.4479	0.4449	0.4424	0.4417	0.4428	0.4428	0.4372	0.4351	0.4352
	1995	0.4427	0.4491	0.4487	0.4469	0.4456	0.4453	0.4455	0.4443	0.4382	0.4361	0.4362
	1996	0.4434	0.4496	0.4494	0.4489	0.4489	0.4490	0.4482	0.4459	0.4392	0.4371	0.4372
	1997	0.4442	0.4500	0.4501	0.4508	0.4522	0.4526	0.4509	0.4474	0.4402	0.4381	0.4382
	1998	0.4449	0.4505	0.4508	0.4529	0.4555	0.4564	0.4537	0.4490	0.4412	0.4391	0.4392
	1999	0.4456	0.4510	0.4516	0.4549	0.4589	0.4601	0.4565	0.4506	0.4422	0.4401	0.4402
	2000	0.4464	0.4514	0.4523	0.4569	0.4622	0.4639	0.4592	0.4521	0.4432	0.4411	0.4412
	2001	0.4471	0.4519	0.4530	0.4589	0.4656	0.4677	0.4621	0.4537	0.4442	0.4421	0.4422
	2002	0.4479	0.4524	0.4537	0.4609	0.4691	0.4716	0.4649	0.4553	0.4453	0.4431	0.4432
	2003	0.4486	0.4528	0.4545	0.4630	0.4725	0.4755	0.4677	0.4569	0.4463	0.4442	0.4443

INDEMNITY Linear RESIDUALS	Policy Year	Loss Ratio Average (Pd & Inc)	Loss Ratio (Incur)	Loss Ratio (Pd-2)	Loss Ratio (Pd-3)	Loss Ratio (Pd-4)	Loss Ratio (Pd-5)	Loss Ratio (Pd-6)	Loss Ratio (Pd-8)	Loss Ratio (Pd-12)	Loss Ratio (Pd-16)	Loss Ratio (Pd-20)
4 Point	2000	0.0011	0.0020	0.0050	0.0050	0.0000	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003
	2001	-0.0046	-0.0067	-0.0082	-0.0095	-0.0019	-0.0022	-0.0022	-0.0023	-0.0024	-0.0024	-0.0025
	2002	0.0058	0.0075	0.0014	0.0041	0.0037	0.0037	0.0037	0.0039	0.0041	0.0041	0.0042
	2003	-0.0024	-0.0028	0.0018	0.0004	-0.0018	-0.0018	-0.0017	-0.0019	-0.0019	-0.0020	-0.0020
5 Point	1999	-0.0153	-0.0149	-0.0118	-0.0113	-0.0126	-0.0142	-0.0138	-0.0144	-0.0153	-0.0153	-0.0157
	2000	0.0164	0.0168	0.0168	0.0163	0.0127	0.0145	0.0140	0.0146	0.0155	0.0156	0.0159
	2001	0.0031	0.0008	-0.0023	-0.0039	0.0044	0.0049	0.0047	0.0049	0.0052	0.0052	0.0054
	2002	0.0058	0.0075	0.0014	0.0041	0.0037	0.0037	0.0037	0.0039	0.0041	0.0042	0.0042
	2003	-0.0100	-0.0102	-0.0041	-0.0052	-0.0082	-0.0089	-0.0086	-0.0091	-0.0096	-0.0096	-0.0098
6 Point	1998	-0.0330	-0.0314	-0.0285	-0.0277	-0.0273	-0.0278	-0.0294	-0.0318	-0.0337	-0.0338	-0.0345
	1999	0.0111	0.0102	0.0110	0.0109	0.0092	0.0080	0.0097	0.0110	0.0117	0.0117	0.0119
	2000	0.0329	0.0325	0.0311	0.0302	0.0263	0.0283	0.0287	0.0306	0.0324	0.0325	0.0332
	2001	0.0097	0.0070	0.0034	0.0016	0.0099	0.0105	0.0106	0.0113	0.0120	0.0120	0.0123
	2002	0.0025	0.0043	-0.0015	0.0013	0.0010	0.0010	0.0008	0.0007	0.0007	0.0008	0.0007
	2003	-0.0232	-0.0228	-0.0155	-0.0163	-0.0191	-0.0200	-0.0204	-0.0218	-0.0231	-0.0232	-0.0236
7 Point	1997	-0.0131	-0.0155	-0.0127	-0.0119	-0.0105	-0.0104	-0.0112	-0.0098	-0.0104	-0.0105	-0.0107
	1998	-0.0242	-0.0211	-0.0200	-0.0198	-0.0203	-0.0208	-0.0219	-0.0253	-0.0267	-0.0269	-0.0274
	1999	0.0172	0.0174	0.0169	0.0164	0.0141	0.0128	0.0149	0.0156	0.0166	0.0166	0.0169
	2000	0.0364	0.0367	0.0345	0.0333	0.0291	0.0311	0.0317	0.0332	0.0352	0.0353	0.0361
	2001	0.0105	0.0081	0.0042	0.0024	0.0106	0.0112	0.0113	0.0120	0.0127	0.0127	0.0130
	2002	0.0008	0.0023	-0.0032	-0.0003	-0.0004	-0.0004	-0.0007	-0.0006	-0.0006	-0.0006	-0.0007
	2003	-0.0276	-0.0279	-0.0197	-0.0203	-0.0226	-0.0235	-0.0241	-0.0251	-0.0265	-0.0266	-0.0272
8 Point	1996	-0.0139	-0.0113	-0.0087	-0.0078	-0.0059	-0.0055	-0.0057	-0.0182	-0.0162	-0.0163	-0.0166
	1997	-0.0051	-0.0090	-0.0078	-0.0074	-0.0071	-0.0073	-0.0079	0.0005	-0.0012	-0.0011	-0.0012
	1998	-0.0183	-0.0162	-0.0162	-0.0164	-0.0177	-0.0185	-0.0195	-0.0175	-0.0198	-0.0199	-0.0203
	1999	0.0212	0.0207	0.0194	0.0187	0.0158	0.0144	0.0166	0.0208	0.0212	0.0213	0.0217
	2000	0.0384	0.0383	0.0357	0.0344	0.0300	0.0319	0.0325	0.0358	0.0375	0.0376	0.0384
	2001	0.0105	0.0081	0.0042	0.0024	0.0106	0.0112	0.0113	0.0120	0.0127	0.0127	0.0130
	2002	-0.0012	0.0007	-0.0044	-0.0014	-0.0013	-0.0012	-0.0016	-0.0032	-0.0030	-0.0030	-0.0031
	2003	-0.0315	-0.0311	-0.0222	-0.0225	-0.0243	-0.0250	-0.0257	-0.0303	-0.0312	-0.0313	-0.0319
9 Point	1995	0.0550	0.0562	0.0586	0.0595	0.0617	0.0623	0.0624	0.0558	0.0524	0.0527	0.0537
	1996	-0.0414	-0.0394	-0.0380	-0.0376	-0.0367	-0.0366	-0.0369	-0.0460	-0.0424	-0.0426	-0.0435
	1997	-0.0268	-0.0311	-0.0308	-0.0308	-0.0313	-0.0318	-0.0324	-0.0214	-0.0218	-0.0218	-0.0223
	1998	-0.0340	-0.0323	-0.0330	-0.0334	-0.0353	-0.0363	-0.0373	-0.0334	-0.0348	-0.0349	-0.0356
	1999	0.0114	0.0106	0.0089	0.0080	0.0048	0.0033	0.0054	0.0108	0.0118	0.0119	0.0121
	2000	0.0344	0.0342	0.0315	0.0302	0.0256	0.0274	0.0280	0.0318	0.0337	0.0339	0.0346
	2001	0.0125	0.0101	0.0063	0.0046	0.0128	0.0134	0.0135	0.0140	0.0145	0.0146	0.0149
	2002	0.0067	0.0087	0.0039	0.0071	0.0076	0.0077	0.0074	0.0048	0.0045	0.0046	0.0046
	2003	-0.0178	-0.0171	-0.0076	-0.0076	-0.0088	-0.0094	-0.0101	-0.0163	-0.0181	-0.0181	-0.0185
10 Point	1994	0.0750	0.0785	0.0808	0.0816	0.0839	0.0847	0.0850	0.0824	0.0696	0.0701	0.0715
	1995	0.0217	0.0213	0.0227	0.0232	0.0243	0.0247	0.0246	0.0192	0.0215	0.0215	0.0220
	1996	-0.0685	-0.0677	-0.0672	-0.0670	-0.0671	-0.0672	-0.0676	-0.0758	-0.0675	-0.0679	-0.0693
	1997	-0.0476	-0.0529	-0.0532	-0.0535	-0.0547	-0.0553	-0.0560	-0.0443	-0.0411	-0.0413	-0.0422
	1998	-0.0486	-0.0476	-0.0487	-0.0493	-0.0517	-0.0528	-0.0538	-0.0494	-0.0483	-0.0486	-0.0495
	1999	0.0030	0.0019	-0.0001	-0.0010	-0.0046	-0.0061	-0.0040	0.0017	0.0041	0.0041	0.0041
	2000	0.0323	0.0321	0.0293	0.0279	0.0232	0.0251	0.0257	0.0295	0.0318	0.0319	0.0326
	2001	0.0167	0.0144	0.0108	0.0091	0.0174	0.0181	0.0183	0.0185	0.0184	0.0185	0.0189
	2002	0.0171	0.0196	0.0152	0.0185	0.0192	0.0194	0.0192	0.0163	0.0142	0.0143	0.0145
	2003	-0.0011	0.0004	0.0104	0.0105	0.0098	0.0094	0.0088	0.0020	-0.0026	-0.0026	-0.0026

INDEMNITY Expon'l RESIDUALS	Policy Year	Loss Ratio Average (Pd & Inc)	Loss Ratio (Incur)	Loss Ratio (Pd-2)	Loss Ratio (Pd-3)	Loss Ratio (Pd-4)	Loss Ratio (Pd-5)	Loss Ratio (Pd-6)	Loss Ratio (Pd-8)	Loss Ratio (Pd-12)	Loss Ratio (Pd-16)	Loss Ratio (Pd-20)
4 Point	2000	0.0007	0.0014	0.0049	0.0049	-0.0002	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
	2001	-0.0042	-0.0061	-0.0078	-0.0092	-0.0017	-0.0019	-0.0019	-0.0020	-0.0022	-0.0022	-0.0022
	2002	0.0063	0.0081	0.0017	0.0044	0.0040	0.0040	0.0040	0.0042	0.0044	0.0044	0.0045
	2003	-0.0027	-0.0032	0.0013	0.0001	-0.0020	-0.0020	-0.0019	-0.0021	-0.0022	-0.0022	-0.0022
5 Point	1999	-0.0158	-0.0157	-0.0122	-0.0116	-0.0129	-0.0144	-0.0140	-0.0147	-0.0155	-0.0156	-0.0159
	2000	0.0165	0.0170	0.0170	0.0165	0.0128	0.0146	0.0141	0.0147	0.0156	0.0157	0.0160
	2001	0.0035	0.0014	-0.0019	-0.0035	0.0047	0.0052	0.0050	0.0052	0.0055	0.0055	0.0057
	2002	0.0063	0.0081	0.0017	0.0044	0.0040	0.0040	0.0040	0.0042	0.0044	0.0044	0.0045
	2003	-0.0099	-0.0101	-0.0042	-0.0052	-0.0080	-0.0087	-0.0085	-0.0089	-0.0094	-0.0095	-0.0097
6 Point	1998	-0.0324	-0.0312	-0.0280	-0.0272	-0.0267	-0.0271	-0.0286	-0.0310	-0.0328	-0.0329	-0.0336
	1999	0.0117	0.0106	0.0114	0.0113	0.0097	0.0085	0.0103	0.0117	0.0124	0.0125	0.0127
	2000	0.0334	0.0331	0.0315	0.0306	0.0267	0.0288	0.0292	0.0311	0.0330	0.0331	0.0338
	2001	0.0102	0.0077	0.0038	0.0020	0.0102	0.0108	0.0109	0.0117	0.0124	0.0124	0.0127
	2002	0.0030	0.0050	-0.0011	0.0016	0.0012	0.0012	0.0010	0.0010	0.0010	0.0010	0.0010
	2003	-0.0228	-0.0221	-0.0152	-0.0160	-0.0189	-0.0199	-0.0203	-0.0217	-0.0230	-0.0231	-0.0235
7 Point	1997	-0.0126	-0.0153	-0.0124	-0.0115	-0.0101	-0.0099	-0.0106	-0.0092	-0.0098	-0.0098	-0.0100
	1998	-0.0238	-0.0208	-0.0196	-0.0194	-0.0198	-0.0203	-0.0214	-0.0247	-0.0261	-0.0262	-0.0267
	1999	0.0177	0.0179	0.0173	0.0168	0.0145	0.0133	0.0154	0.0161	0.0171	0.0172	0.0175
	2000	0.0369	0.0372	0.0349	0.0337	0.0295	0.0315	0.0321	0.0337	0.0357	0.0358	0.0366
	2001	0.0110	0.0087	0.0046	0.0028	0.0109	0.0115	0.0117	0.0123	0.0131	0.0131	0.0134
	2002	0.0013	0.0030	-0.0028	0.0001	-0.0001	-0.0002	-0.0005	-0.0003	-0.0004	-0.0003	-0.0004
	2003	-0.0271	-0.0271	-0.0193	-0.0199	-0.0224	-0.0233	-0.0240	-0.0249	-0.0264	-0.0265	-0.0270
8 Point	1996	-0.0135	-0.0111	-0.0084	-0.0075	-0.0056	-0.0052	-0.0054	-0.0175	-0.0156	-0.0157	-0.0160
	1997	-0.0047	-0.0088	-0.0075	-0.0071	-0.0068	-0.0069	-0.0075	0.0012	-0.0005	-0.0005	-0.0006
	1998	-0.0178	-0.0159	-0.0159	-0.0161	-0.0174	-0.0181	-0.0190	-0.0168	-0.0191	-0.0192	-0.0196
	1999	0.0217	0.0211	0.0197	0.0190	0.0161	0.0148	0.0170	0.0215	0.0218	0.0219	0.0223
	2000	0.0389	0.0388	0.0361	0.0348	0.0303	0.0323	0.0329	0.0363	0.0380	0.0382	0.0390
	2001	0.0110	0.0087	0.0046	0.0028	0.0109	0.0115	0.0117	0.0123	0.0131	0.0131	0.0134
	2002	-0.0007	0.0014	-0.0040	-0.0010	-0.0010	-0.0010	-0.0010	-0.0013	-0.0030	-0.0028	-0.0028
	2003	-0.0311	-0.0303	-0.0218	-0.0221	-0.0240	-0.0249	-0.0256	-0.0305	-0.0313	-0.0314	-0.0320
9 Point	1995	0.0571	0.0582	0.0609	0.0619	0.0642	0.0649	0.0650	0.0580	0.0543	0.0546	0.0557
	1996	-0.0396	-0.0374	-0.0359	-0.0354	-0.0345	-0.0344	-0.0347	-0.0441	-0.0407	-0.0410	-0.0418
	1997	-0.0252	-0.0293	-0.0289	-0.0289	-0.0295	-0.0299	-0.0305	-0.0198	-0.0204	-0.0204	-0.0209
	1998	-0.0327	-0.0307	-0.0314	-0.0319	-0.0339	-0.0348	-0.0358	-0.0321	-0.0336	-0.0338	-0.0345
	1999	0.0124	0.0119	0.0101	0.0092	0.0058	0.0044	0.0065	0.0118	0.0127	0.0128	0.0130
	2000	0.0351	0.0352	0.0322	0.0309	0.0262	0.0281	0.0287	0.0325	0.0344	0.0345	0.0352
	2001	0.0129	0.0105	0.0065	0.0047	0.0129	0.0136	0.0138	0.0143	0.0149	0.0149	0.0153
	2002	0.0067	0.0086	0.0036	0.0068	0.0072	0.0074	0.0071	0.0048	0.0047	0.0047	0.0047
	2003	-0.0181	-0.0179	-0.0085	-0.0086	-0.0097	-0.0102	-0.0108	-0.0166	-0.0182	-0.0183	-0.0186
10 Point	1994	0.0793	0.0828	0.0856	0.0867	0.0894	0.0903	0.0906	0.0875	0.0734	0.0739	0.0754
	1995	0.0258	0.0260	0.0277	0.0283	0.0296	0.0299	0.0299	0.0238	0.0249	0.0250	0.0255
	1996	-0.0647	-0.0631	-0.0624	-0.0622	-0.0622	-0.0624	-0.0628	-0.0717	-0.0645	-0.0649	-0.0662
	1997	-0.0443	-0.0486	-0.0490	-0.0492	-0.0505	-0.0512	-0.0519	-0.0409	-0.0386	-0.0387	-0.0396
	1998	-0.0459	-0.0439	-0.0452	-0.0459	-0.0484	-0.0495	-0.0506	-0.0468	-0.0463	-0.0465	-0.0475
	1999	0.0049	0.0045	0.0024	0.0013	-0.0023	-0.0039	-0.0018	0.0035	0.0055	0.0055	0.0056
	2000	0.0333	0.0333	0.0304	0.0290	0.0242	0.0261	0.0266	0.0304	0.0326	0.0327	0.0334
	2001	0.0165	0.0141	0.0103	0.0085	0.0169	0.0177	0.0178	0.0184	0.0185	0.0185	0.0189
	2002	0.0157	0.0173	0.0127	0.0161	0.0170	0.0174	0.0172	0.0150	0.0135	0.0136	0.0138
	2003	-0.0039	-0.0042	0.0058	0.0061	0.0058	0.0055	0.0051	-0.0004	-0.0041	-0.0041	-0.0041

MEDICAL Linear RESIDUALS	Policy Year	Loss Ratio Average (Pd & Inc)	Loss Ratio (Incur)	Loss Ratio (Pd-2)	Loss Ratio (Pd-3)	Loss Ratio (Pd-4)	Loss Ratio (Pd-5)	Loss Ratio (Pd-6)	Loss Ratio (Pd-8)	Loss Ratio (Pd-12)	Loss Ratio (Pd-16)	Loss Ratio (Pd-20)
4 Point	2000	0.0108	0.0130	0.0140	0.0149	0.0093	0.0091	0.0090	0.0088	0.0086	0.0086	0.0086
	2001	-0.0163	-0.0189	-0.0193	-0.0234	-0.0147	-0.0144	-0.0142	-0.0139	-0.0136	-0.0136	-0.0136
	2002	0.0001	-0.0014	-0.0032	0.0020	0.0014	0.0016	0.0016	0.0014	0.0014	0.0014	0.0014
	2003	0.0054	0.0072	0.0086	0.0065	0.0040	0.0038	0.0037	0.0037	0.0036	0.0036	0.0036
5 Point	1999	-0.0042	-0.0048	-0.0039	-0.0015	-0.0030	-0.0039	-0.0038	-0.0037	-0.0036	-0.0036	-0.0036
	2000	0.0151	0.0179	0.0179	0.0164	0.0123	0.0129	0.0127	0.0126	0.0122	0.0122	0.0122
	2001	-0.0141	-0.0165	-0.0174	-0.0227	-0.0131	-0.0124	-0.0123	-0.0121	-0.0118	-0.0118	-0.0118
	2002	0.0001	-0.0014	-0.0032	0.0020	0.0014	0.0015	0.0015	0.0014	0.0014	0.0014	0.0014
2003	0.0033	0.0048	0.0066	0.0057	0.0024	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	
6 Point	1998	-0.0113	-0.0125	-0.0116	-0.0087	-0.0082	-0.0083	-0.0051	-0.0102	-0.0100	-0.0100	-0.0100
	1999	0.0048	0.0052	0.0054	0.0054	0.0035	0.0027	0.0003	0.0044	0.0044	0.0044	0.0044
	2000	0.0207	0.0241	0.0237	0.0207	0.0164	0.0170	0.0153	0.0177	0.0172	0.0172	0.0172
	2001	-0.0119	-0.0140	-0.0151	-0.0209	-0.0115	-0.0108	-0.0113	-0.0100	-0.0098	-0.0098	-0.0098
	2002	-0.0011	-0.0026	-0.0044	0.0012	0.0006	0.0007	0.0010	0.0004	0.0004	0.0004	0.0004
	2003	-0.0012	-0.0002	0.0020	0.0023	-0.0008	-0.0015	-0.0002	-0.0023	-0.0022	-0.0022	-0.0022
7 Point	1997	-0.0173	-0.0264	-0.0256	-0.0224	-0.0209	-0.0205	-0.0194	-0.0084	-0.0082	-0.0081	-0.0081
	1998	0.0003	0.0051	0.0054	0.0063	0.0057	0.0054	0.0078	-0.0046	-0.0045	-0.0045	-0.0045
	1999	0.0128	0.0175	0.0174	0.0159	0.0133	0.0123	0.0093	0.0083	0.0082	0.0082	0.0082
	2000	0.0253	0.0312	0.0305	0.0267	0.0220	0.0225	0.0205	0.0199	0.0194	0.0194	0.0194
	2001	-0.0107	-0.0122	-0.0133	-0.0195	-0.0101	-0.0094	-0.0100	-0.0095	-0.0093	-0.0092	-0.0092
	2002	-0.0034	-0.0062	-0.0078	-0.0018	-0.0022	-0.0020	-0.0015	-0.0007	-0.0007	-0.0006	-0.0006
	2003	-0.0070	-0.0090	-0.0066	-0.0052	-0.0078	-0.0083	-0.0067	-0.0051	-0.0050	-0.0049	-0.0049
8 Point	1996	-0.0201	-0.0242	-0.0234	-0.0202	-0.0181	-0.0175	-0.0175	-0.0144	-0.0162	-0.0161	-0.0161
	1997	-0.0058	-0.0126	-0.0122	-0.0109	-0.0105	-0.0105	-0.0094	-0.0001	0.0010	0.0011	0.0010
	1998	0.0089	0.0155	0.0155	0.0150	0.0135	0.0130	0.0153	0.0016	0.0024	0.0024	0.0023
	1999	0.0186	0.0244	0.0241	0.0217	0.0184	0.0173	0.0143	0.0125	0.0129	0.0128	0.0127
	2000	0.0282	0.0346	0.0339	0.0296	0.0246	0.0250	0.0230	0.0219	0.0218	0.0217	0.0217
	2001	-0.0107	-0.0122	-0.0133	-0.0195	-0.0101	-0.0094	-0.0100	-0.0095	-0.0093	-0.0092	-0.0092
	2002	-0.0062	-0.0096	-0.0111	-0.0047	-0.0048	-0.0045	-0.0040	-0.0028	-0.0030	-0.0029	-0.0029
	2003	-0.0127	-0.0159	-0.0133	-0.0110	-0.0130	-0.0133	-0.0117	-0.0092	-0.0096	-0.0095	-0.0095
9 Point	1995	0.0073	0.0015	0.0022	0.0054	0.0078	0.0085	0.0078	0.0091	0.0132	0.0131	0.0131
	1996	-0.0237	-0.0249	-0.0245	-0.0229	-0.0220	-0.0218	-0.0214	-0.0190	-0.0228	-0.0227	-0.0226
	1997	-0.0087	-0.0132	-0.0131	-0.0130	-0.0136	-0.0139	-0.0124	-0.0037	-0.0042	-0.0041	-0.0041
	1998	0.0068	0.0150	0.0148	0.0134	0.0113	0.0105	0.0131	-0.0010	-0.0014	-0.0014	-0.0014
	1999	0.0173	0.0242	0.0237	0.0207	0.0170	0.0158	0.0129	0.0108	0.0105	0.0104	0.0104
	2000	0.0277	0.0345	0.0337	0.0292	0.0240	0.0244	0.0224	0.0213	0.0208	0.0207	0.0207
	2001	-0.0105	-0.0121	-0.0133	-0.0193	-0.0098	-0.0091	-0.0097	-0.0091	-0.0088	-0.0088	-0.0088
	2002	-0.0052	-0.0094	-0.0108	-0.0040	-0.0037	-0.0033	-0.0029	-0.0015	-0.0011	-0.0011	-0.0011
	2003	-0.0109	-0.0156	-0.0127	-0.0096	-0.0110	-0.0112	-0.0097	-0.0069	-0.0063	-0.0063	-0.0062
10 Point	1994	0.0133	0.0082	0.0089	0.0120	0.0146	0.0153	0.0142	0.0142	0.0184	0.0183	0.0183
	1995	0.0014	-0.0021	-0.0017	0.0001	0.0014	0.0017	0.0015	0.0028	0.0050	0.0050	0.0050
	1996	-0.0285	-0.0279	-0.0278	-0.0272	-0.0273	-0.0273	-0.0265	-0.0241	-0.0294	-0.0293	-0.0292
	1997	-0.0124	-0.0155	-0.0156	-0.0163	-0.0177	-0.0181	-0.0164	-0.0076	-0.0093	-0.0092	-0.0092
	1998	0.0042	0.0134	0.0131	0.0111	0.0084	0.0075	0.0103	-0.0038	-0.0050	-0.0049	-0.0050
	1999	0.0158	0.0233	0.0227	0.0194	0.0154	0.0141	0.0114	0.0093	0.0085	0.0084	0.0084
	2000	0.0273	0.0343	0.0335	0.0289	0.0236	0.0240	0.0220	0.0209	0.0203	0.0202	0.0202
	2001	-0.0097	-0.0117	-0.0128	-0.0186	-0.0090	-0.0082	-0.0089	-0.0083	-0.0078	-0.0078	-0.0078
	2002	-0.0034	-0.0083	-0.0096	-0.0023	-0.0016	-0.0012	-0.0010	0.0005	0.0015	0.0015	0.0015
	2003	-0.0080	-0.0137	-0.0107	-0.0070	-0.0078	-0.0078	-0.0066	-0.0037	-0.0022	-0.0022	-0.0022

MEDICAL Expon'l RESIDUALS	Policy Year	Loss Ratio Average (Pd & Inc)	Loss Ratio (Incur)	Loss Ratio (Pd-2)	Loss Ratio (Pd-3)	Loss Ratio (Pd-4)	Loss Ratio (Pd-5)	Loss Ratio (Pd-6)	Loss Ratio (Pd-8)	Loss Ratio (Pd-12)	Loss Ratio (Pd-16)	Loss Ratio (Pd-20)
4 Point	2000	0.0111	0.0135	0.0145	0.0155	0.0095	0.0093	0.0091	0.0090	0.0088	0.0088	0.0088
	2001	-0.0160	-0.0184	-0.0188	-0.0230	-0.0145	-0.0142	-0.0140	-0.0138	-0.0135	-0.0134	-0.0134
	2002	0.0002	-0.0012	-0.0030	0.0022	0.0015	0.0016	0.0016	0.0015	0.0015	0.0015	0.0015
	2003	0.0051	0.0067	0.0081	0.0063	0.0038	0.0037	0.0036	0.0036	0.0035	0.0035	0.0035
5 Point	1999	-0.0042	-0.0048	-0.0038	-0.0012	-0.0029	-0.0038	-0.0037	-0.0036	-0.0035	-0.0035	-0.0035
	2000	0.0153	0.0182	0.0182	0.0167	0.0124	0.0130	0.0129	0.0127	0.0123	0.0123	0.0123
	2001	-0.0139	-0.0161	-0.0170	-0.0224	-0.0130	-0.0123	-0.0122	-0.0120	-0.0117	-0.0117	-0.0117
	2002	0.0002	-0.0012	-0.0030	0.0022	0.0015	0.0016	0.0016	0.0015	0.0015	0.0015	0.0015
	2003	0.0032	0.0045	0.0064	0.0057	0.0024	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
6 Point	1998	-0.0112	-0.0126	-0.0117	-0.0085	-0.0081	-0.0081	-0.0051	-0.0100	-0.0099	-0.0098	-0.0098
	1999	0.0049	0.0054	0.0056	0.0056	0.0036	0.0028	0.0004	0.0046	0.0045	0.0045	0.0045
	2000	0.0209	0.0244	0.0240	0.0210	0.0165	0.0171	0.0154	0.0178	0.0174	0.0173	0.0173
	2001	-0.0117	-0.0136	-0.0147	-0.0207	-0.0114	-0.0107	-0.0112	-0.0099	-0.0097	-0.0097	-0.0097
	2002	-0.0009	-0.0024	-0.0042	0.0013	0.0007	0.0008	0.0011	0.0005	0.0005	0.0005	0.0005
	2003	-0.0012	-0.0002	0.0020	0.0024	-0.0008	-0.0014	-0.0002	-0.0022	-0.0022	-0.0022	-0.0022
7 Point	1997	-0.0170	-0.0260	-0.0252	-0.0219	-0.0204	-0.0201	-0.0190	-0.0082	-0.0081	-0.0080	-0.0080
	1998	0.0005	0.0055	0.0058	0.0067	0.0061	0.0059	0.0081	-0.0045	-0.0044	-0.0044	-0.0044
	1999	0.0131	0.0179	0.0178	0.0163	0.0136	0.0127	0.0096	0.0085	0.0084	0.0083	0.0083
	2000	0.0255	0.0315	0.0309	0.0270	0.0222	0.0228	0.0207	0.0200	0.0196	0.0195	0.0195
	2001	-0.0106	-0.0119	-0.0130	-0.0192	-0.0100	-0.0093	-0.0099	-0.0094	-0.0092	-0.0092	-0.0092
	2002	-0.0032	-0.0059	-0.0075	-0.0017	-0.0022	-0.0020	-0.0015	-0.0007	-0.0006	-0.0006	-0.0006
	2003	-0.0069	-0.0088	-0.0063	-0.0051	-0.0079	-0.0085	-0.0068	-0.0050	-0.0050	-0.0049	-0.0049
8 Point	1996	-0.0196	-0.0235	-0.0227	-0.0196	-0.0175	-0.0170	-0.0170	-0.0142	-0.0159	-0.0158	-0.0158
	1997	-0.0053	-0.0120	-0.0116	-0.0103	-0.0099	-0.0099	-0.0088	0.0002	0.0013	0.0014	0.0014
	1998	0.0093	0.0160	0.0160	0.0155	0.0141	0.0136	0.0158	0.0019	0.0027	0.0027	0.0027
	1999	0.0189	0.0249	0.0246	0.0222	0.0189	0.0179	0.0147	0.0127	0.0132	0.0130	0.0130
	2000	0.0284	0.0350	0.0343	0.0300	0.0249	0.0254	0.0233	0.0221	0.0220	0.0219	0.0219
	2001	-0.0106	-0.0119	-0.0130	-0.0192	-0.0100	-0.0093	-0.0099	-0.0094	-0.0092	-0.0092	-0.0092
	2002	-0.0062	-0.0094	-0.0109	-0.0047	-0.0049	-0.0047	-0.0042	-0.0028	-0.0030	-0.0030	-0.0030
	2003	-0.0128	-0.0158	-0.0131	-0.0111	-0.0135	-0.0139	-0.0121	-0.0094	-0.0099	-0.0098	-0.0098
9 Point	1995	0.0077	0.0020	0.0027	0.0058	0.0082	0.0088	0.0081	0.0093	0.0135	0.0134	0.0134
	1996	-0.0234	-0.0245	-0.0241	-0.0225	-0.0216	-0.0214	-0.0210	-0.0187	-0.0225	-0.0224	-0.0224
	1997	-0.0083	-0.0128	-0.0127	-0.0125	-0.0132	-0.0134	-0.0120	-0.0035	-0.0039	-0.0038	-0.0038
	1998	0.0071	0.0155	0.0153	0.0138	0.0117	0.0110	0.0134	-0.0008	-0.0011	-0.0011	-0.0012
	1999	0.0176	0.0246	0.0241	0.0211	0.0174	0.0162	0.0133	0.0110	0.0107	0.0106	0.0106
	2000	0.0279	0.0349	0.0341	0.0296	0.0243	0.0247	0.0227	0.0215	0.0210	0.0209	0.0209
	2001	-0.0103	-0.0118	-0.0129	-0.0190	-0.0097	-0.0089	-0.0096	-0.0090	-0.0087	-0.0087	-0.0087
	2002	-0.0051	-0.0091	-0.0105	-0.0038	-0.0037	-0.0034	-0.0029	-0.0014	-0.0011	-0.0010	-0.0010
	2003	-0.0109	-0.0153	-0.0125	-0.0096	-0.0113	-0.0115	-0.0100	-0.0070	-0.0064	-0.0063	-0.0063
10 Point	1994	0.0136	0.0086	0.0093	0.0123	0.0148	0.0155	0.0144	0.0144	0.0188	0.0187	0.0187
	1995	0.0017	-0.0018	-0.0014	0.0004	0.0017	0.0020	0.0018	0.0030	0.0054	0.0053	0.0054
	1996	-0.0282	-0.0276	-0.0274	-0.0269	-0.0269	-0.0270	-0.0262	-0.0239	-0.0291	-0.0290	-0.0289
	1997	-0.0121	-0.0151	-0.0152	-0.0159	-0.0173	-0.0177	-0.0160	-0.0074	-0.0090	-0.0089	-0.0089
	1998	0.0045	0.0138	0.0135	0.0114	0.0088	0.0079	0.0106	-0.0036	-0.0047	-0.0047	-0.0047
	1999	0.0161	0.0236	0.0230	0.0197	0.0157	0.0145	0.0116	0.0094	0.0087	0.0086	0.0086
	2000	0.0275	0.0347	0.0338	0.0292	0.0239	0.0243	0.0223	0.0211	0.0205	0.0204	0.0204
	2001	-0.0095	-0.0113	-0.0124	-0.0183	-0.0088	-0.0080	-0.0088	-0.0082	-0.0076	-0.0076	-0.0076
	2002	-0.0032	-0.0079	-0.0092	-0.0020	-0.0016	-0.0011	-0.0009	0.0006	0.0015	0.0016	0.0016
	2003	-0.0078	-0.0133	-0.0104	-0.0068	-0.0078	-0.0079	-0.0066	-0.0037	-0.0022	-0.0022	-0.0022