

*Intermediate Track III
GL Case Study*

2010 CLRS
September 20-21, 2010
Lake Buena Vista, FL

2010 CLRS 1

Background Information

GL Insurance Company is a small, stock insurance company that has been insuring businesses against General Liability exposures for over 20 years. The company has insured a stable book of business over the years (essentially the same group of insureds). The company has been well managed and has a healthy balance sheet.

2010 CLRS 2

Background Information

- GL Insurance Company has a small actuarial staff headed by an actuarial student.
- The department calculated year-end reserves using both the paid and incurred loss development methods.
- The staff supplements this analysis with the use of expected loss techniques, if needed.

2010 CLRS 3

Background Information

- In previous years, the paid and incurred loss projections were almost identical.
- Recently, differences between the two estimates are emerging.
- GLIC has employed you, a consulting actuary, to complete its current reserve certification and to critique the actuarial work done by GLIC's actuarial department.
- You begin by examining the work done by GLIC's actuarial department.

2010 CLRS 4

Total GL Paid Loss Development

Accident Year	Paid Losses (\$000)										
	Evaluation Age in Months										
	12	24	36	48	60	72	84	96	108	120	132
1999	1,340	3,188	6,072	6,973	8,677	10,008	11,802	12,606	13,174	13,596	14,033
2000	1,857	4,297	6,864	9,438	11,820	13,594	14,783	15,710	16,439	16,972	
2001	2,024	4,891	7,790	10,733	13,792	16,071	17,695	18,886	19,795		
2002	2,781	6,655	10,671	14,738	18,022	20,795	23,179	24,597			
2003	3,439	8,272	13,325	18,551	23,386	26,861	29,409				
2004	3,714	9,039	14,638	20,326	26,117	30,643					
2005	4,652	11,236	18,109	25,239	31,250						
2006	5,292	12,974	21,106	29,611							
2007	6,818	16,984	27,677								
2008	9,337	23,263									
2009	15,073										

2010 CLRS 5

Total GL Paid Loss Development

Accident Year	Paid Loss Development Age-to-Age Factors										
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132+
1999	2.379	1.591	1.375	1.244	1.153	1.179	1.068	1.045	1.032	1.032	
2000	2.314	1.597	1.375	1.252	1.150	1.087	1.063	1.046	1.032		
2001	2.417	1.593	1.378	1.285	1.165	1.101	1.067	1.045			
2002	2.393	1.603	1.381	1.223	1.154	1.115	1.061				
2003	2.405	1.611	1.392	1.261	1.149	1.095					
2004	2.434	1.619	1.389	1.285	1.173						
2005	2.415	1.612	1.394	1.238							
2006	2.452	1.627	1.403								
2007	2.491	1.630									
2008	2.491										
2009											
3 Yr Avg	2.478	1.623	1.395	1.261	1.159	1.104	1.064	1.045	1.032	1.032	
3 Yr Wtd	2.482	1.624	1.396	1.259	1.160	1.103	1.064	1.045	1.032	1.032	
5 Yr Avg	2.457	1.620	1.392	1.258	1.158	1.115	1.065	1.045	1.032	1.032	
Mid 3 of 5	2.459	1.619	1.391	1.261	1.156	1.104	1.065	1.045			
Wtd Avg	2.443	1.615	1.390	1.255	1.159	1.109	1.064	1.045	1.032	1.032	
Selected	2.478	1.623	1.395	1.261	1.159	1.104	1.064	1.045	1.032	1.032	

2010 CLRS 6

Total GL Paid Loss Development

Analysis of Development Pattern - Paid
Power Model
Curve: $Y = A \wedge (B \wedge X)$

Actual Values (old)		Transformed Values		Fitted Values		Cumulative Factors	
X Var	Y Variable	X	Y'	X	Y	X	Y
Age	LDF's	X	ln(Y')	Age	LDF's	Age	CDF's
12	2,478	12	7.80	12	2,502	12	11,922
24	1,623	24	7.73	24	1,651	24	4,660
36	1,385	36	7.53	36	1,406	36	2,865
48	1,281	48	7.43	48	1,261	48	2,054
60	1,169	60	7.33	60	1,171	60	1,628
72	1,104	72	7.23	72	1,113	72	1,406
84	1,064	84	7.13	84	1,075	84	1,274
96	1,045	96	7.03	96	1,051	96	1,197
108	1,032	108	6.93	108	1,034	108	1,145
120	1,022	120	6.83	120	1,023	120	1,110
				132	1,016	132	1,075

Parameter Estimates		A = 2.962	144	1.011
		B = 0.958	156	1.007
			168	1.005
			180	1.003
			192	1.002
			204	1.002
			216	1.001
			228	1.001
			240	1.000
			252	1.000
			264	1.000
			276	1.000
			288	1.000

Tail Factor from 132-Ultimate				
Fitted Data		1.049		
Broader Data Source		1.135		
Selected Tail Factor		1.075		

Tail Factor = Actual LDF's (cumulative)

2010 CLRS 7

Total GL Incurred Loss Development

Accident Year	Incurred Losses (\$'000)											
	Evaluation Age in Months											
	12	24	36	48	60	72	84	96	108	120	132	
1999	5,662	8,879	11,006	12,396	13,067	13,528	13,838	14,075	14,315	14,573	14,776	
2000	6,975	10,897	13,556	15,303	16,271	16,861	17,252	17,565	17,883	18,208		
2001	8,345	13,012	16,304	18,417	19,507	20,224	20,677	21,077	21,465			
2002	10,652	17,073	21,391	23,978	25,469	26,443	27,073	27,550				
2003	13,647	21,807	27,086	30,684	32,600	33,807	34,584					
2004	15,548	24,872	31,261	35,432	37,460	38,965						
2005	18,260	29,200	36,605	41,696	44,488							
2006	22,028	35,312	44,500	50,322								
2007	28,730	46,297	58,061									
2008	39,637	64,628										
2009	55,297											

2010 CLRS 8

Total GL Incurred Loss Development

Accident Year	Incurred Loss Development Age-to-Age Factors										
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132+
1999	1.568	1.240	1.126	1.054	1.035	1.023	1.017	1.017	1.018	1.014	
2000	1.562	1.244	1.129	1.063	1.036	1.023	1.018	1.018	1.018		
2001	1.559	1.253	1.130	1.059	1.037	1.022	1.019	1.018			
2002	1.603	1.253	1.121	1.062	1.038	1.024	1.018				
2003	1.598	1.242	1.133	1.062	1.037	1.023					
2004	1.600	1.257	1.133	1.057	1.040						
2005	1.599	1.254	1.139	1.067							
2006	1.603	1.260	1.131								
2007	1.611	1.254									
2008	1.630										
2009											

3 Yr Avg	1.615	1.256	1.134	1.062	1.038	1.023	1.018	1.018	1.018	1.014
3 Yr Wtd	1.618	1.256	1.134	1.062	1.039	1.023	1.018	1.018	1.018	1.014
5 Yr Avg	1.609	1.253	1.131	1.062	1.038	1.023	1.018	1.018	1.018	1.014
Mid 3 of 5	1.605	1.255	1.132	1.061	1.037	1.023	1.018	1.018		
Wtd Avg	1.605	1.253	1.131	1.062	1.038	1.023	1.018	1.018	1.018	1.014
Selected	1.615	1.256	1.134	1.062	1.038	1.023	1.018	1.018	1.018	1.014

2010 CLRS 9

Vice President of Claims

- Staff and procedures have remained the same for as long as anyone can remember.
- Systems have not changed, and there have been no accounting or other changes that would have impacted year-end processing.

2010 CLRS 16

Vice President of Marketing

- The client base is extremely stable.
- Growth has come primarily from increase in business from existing clients, as opposed to new clients.
- GLIC's clients represent almost all US distributors of Widgets.
- These clients are expanding into other areas, generating the growth in premium.
- Given the company's understanding of the product and their sensible approach to pricing (small annual increases), they have captured and retained their niche market.

2010 CLRS 17

Vice President of Underwriting

- The VP is concerned about the 10% loss ratio (including DCC) deterioration over the last four accident years.
- They attribute at least part of the problem to the heavier GL exposures being accepted from their long-term clients.

2010 CLRS 18

Distribution of Earned Premium

Accident Year	Earned Premium (\$000)			
	Total	Heavy	Light	% Heavy
(1)	(2)	(3)	(4)	(5)
1999	22,122	192	21,930	0.9%
2000	26,474	822	25,652	3.1%
2001	30,286	2,499	27,787	8.3%
2002	37,741	5,101	32,640	13.5%
2003	45,691	9,987	35,704	21.9%
2004	50,562	12,065	38,497	23.9%
2005	60,949	15,174	45,775	25.1%
2006	75,972	22,537	53,435	29.7%
2007	97,616	35,455	62,161	36.3%
2008	131,861	59,999	71,862	45.5%
2009	168,391	86,337	82,054	51.3%
Total	747,065	250,168	496,897	33.5%

2010 CLRS 19

Vice President of Underwriting

- The underwriting department, with the help of the actuarial staff, will be conducting separate rate analyses for Heavy GL versus Light GL later in the year.
- Although the analysis has not yet been completed, the underwriting department suspects that Heavy GL rates need to increase by more than the traditional 5% annual increase taken in previous years for Total GL.
- Loss development triangles by class of business have just been provided via an ad hoc request to the data processing department.

2010 CLRS 20

Light GL

2010 CLRS 21

Light GL Paid Loss Development

Accident Year	Paid Losses (\$000)											
	Evaluation Age in Months											
	12	24	36	48	60	72	84	96	108	120	132	
1999	1,329	3,159	5,023	6,902	8,596	9,900	11,682	12,476	13,037	13,454	13,885	
2000	1,812	4,177	6,654	9,129	11,420	13,122	14,200	15,134	15,830	16,337		
2001	1,886	4,517	7,150	9,838	12,543	14,575	16,018	17,075	17,826			
2002	2,483	5,810	9,220	12,631	15,359	17,647	19,606	20,763				
2003	2,795	6,565	10,399	14,288	17,831	20,345	22,176					
2004	2,956	7,012	11,149	15,263	19,384	22,563						
2005	3,643	8,561	13,535	18,584	22,765							
2006	3,932	9,331	14,836	20,444								
2007	4,661	11,154	17,679									
2008	5,544	13,128										
2009	10,484											

2010 CLRS 22



Light GL Paid Loss Development

Accident Year	Paid Loss Development Age-to-Age Factors										
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132+
1999	2.377	1.590	1.374	1.244	1.153	1.100	1.068	1.045	1.032	1.032	
2000	2.305	1.593	1.372	1.251	1.149	1.086	1.062	1.046	1.032		
2001	2.395	1.583	1.376	1.275	1.162	1.099	1.066	1.044			
2002	2.359	1.587	1.370	1.216	1.149	1.111	1.059				
2003	2.349	1.584	1.374	1.248	1.141	1.090					
2004	2.372	1.590	1.369	1.270	1.164						
2005	2.350	1.581	1.373	1.225							
2006	2.373	1.590	1.378								
2007	2.393	1.585									
2008	2.368										
2009											

3 Yr Avg	2.378	1.585	1.373	1.248	1.151	1.100	1.062	1.045	1.032	1.032	
3 Yr Wid	2.378	1.585	1.374	1.246	1.152	1.100	1.062	1.045	1.032	1.032	
5 Yr Avg	2.371	1.586	1.373	1.247	1.153	1.113	1.064	1.045	1.032	1.032	
Mid 3 of 5	2.371	1.586	1.372	1.248	1.153	1.100	1.064	1.045			
Wid Avg	2.367	1.587	1.373	1.245	1.153	1.108	1.063	1.045	1.032	1.032	
Selected	2.378	1.585	1.373	1.248	1.151	1.100	1.062	1.045	1.032	1.032	

2010 CLRS 23



Light GL Paid Loss Development

Analysis of Development Patterns - Paid
Power Model
Curve: $Y = A \cdot (B \wedge X)$

Actual Values (Slide 23)		Transformed Values		Fitted Values		Cumulative Factors	
X Var	Y Variable	X	Y	X	Y	X	Y
Age	LDFs	X	ln(Y)/Y	Age	LDFs	Age	LDFs
12	2.370	12	0.071	12	2.007	12	19.358
24	1.585	24	0.101	24	1.610	24	4.373
36	1.373	36	0.110	36	1.385	36	2.758
48	1.248	48	0.101	48	1.240	48	2.006
60	1.151	60	0.090	60	1.184	60	1.610
72	1.100	72	0.080	72	1.110	72	1.398
84	1.062	84	0.071	84	1.074	84	1.271
96	1.045	96	0.071	96	1.050	96	1.196
108	1.032	108	0.069	108	1.034	108	1.145
120	1.032	120	0.069	120	1.020	120	1.108
		132	0.016	132	1.016	132	1.075

Parameter Estimates	A =	2.771
	B =	0.963

Tail Factor from 132 Ultimate	1.090
Broader Data Source	1.135
Selected Tail Factor	1.075

Tail Factor x Actual LDFs (cumulative)	
144	1.011
156	1.007
168	1.005
180	1.003
192	1.002
204	1.002
216	1.001
228	1.001
240	1.001
252	1.000
264	1.000
276	1.000
288	1.000

2010 CLRS 24



Heavy GL

2010 CLRS 31

Heavy GL Paid Loss Development

Accident Year	Paid Losses (\$000)											
	Evaluation Age in Months											
	12	24	36	48	60	72	84	96	108	120	132	148
1999	11	29	49	71	91	108	120	130	137	142	148	
2000	45	120	210	309	400	472	533	576	609	635		
2001	138	374	640	895	1,249	1,496	1,677	1,811	1,909			
2002	318	845	1,451	2,107	2,663	3,148	3,573	3,834				
2003	644	1,707	2,926	4,263	5,555	6,516	7,233					
2004	758	2,027	3,489	5,063	6,733	8,080						
2005	1,009	2,675	4,574	6,655	8,485							
2006	1,360	3,643	6,270	9,167								
2007	2,157	5,830	9,998									
2008	3,793	10,135										
2009	4,589											

2010 CLRS 32

Heavy GL Paid Loss Development

Accident Year	Paid Loss Development Age-to-Age Factors											
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132+	
1999	2.636	1.690	1.449	1.282	1.187	1.111	1.083	1.054	1.036	1.042		
2000	2.667	1.750	1.471	1.294	1.180	1.129	1.081	1.057	1.043			
2001	2.710	1.711	1.398	1.396	1.198	1.121	1.080	1.054				
2002	2.657	1.717	1.452	1.264	1.182	1.135	1.073					
2003	2.651	1.714	1.457	1.303	1.173	1.110						
2004	2.674	1.721	1.451	1.330	1.200							
2005	2.651	1.710	1.455	1.275								
2006	2.679	1.721	1.462									
2007	2.703	1.715										
2008	2.672											
2009												

3 Yr Avg	2.685	1.715	1.456	1.303	1.185	1.122	1.078	1.055	1.040	1.042		
3 Yr Wtd	2.682	1.716	1.457	1.300	1.187	1.119	1.076	1.055	1.042	1.042		
5 Yr Avg	2.676	1.716	1.455	1.313	1.187	1.121	1.079	1.055	1.040	1.042		
Mid 3 of 5	2.675	1.717	1.455	1.303	1.187	1.120	1.080	1.054				
Wtd Avg	2.676	1.716	1.455	1.300	1.187	1.119	1.076	1.055	1.042	1.042		
Selected	2.685	1.715	1.456	1.303	1.185	1.122	1.078	1.055	1.040	1.042		

2010 CLRS 33

Heavy GL Paid Loss Development

Analysis of Development Patterns - Paid Power Model
Curve: $Y = A \wedge (B \wedge X)$

Actual Values (Inc. 30)				Transformed Values				Fitted Values				Cumulative Factors	
Age	LDF's	X	ln(CV)	Age	LDF's	Age	LDF's	Age	CDF's				
12	2.895	12	1.060	12	2.227	12	2.227	12	16.741				
24	1.715	24	1.030	24	1.740	24	1.740	24	8.964				
36	1.456	36	1.000	36	1.467	36	1.467	36	3.418				
48	1.303	48	0.970	48	1.303	48	1.303	48	2.348				
60	1.185	60	0.940	60	1.201	60	1.201	60	1.852				
72	1.122	72	0.910	72	1.135	72	1.135	72	1.521				
84	1.078	84	0.880	84	1.091	84	1.091	84	1.355				
96	1.055	96	0.850	96	1.052	96	1.052	96	1.259				
108	1.040	108	0.820	108	1.043	108	1.043	108	1.192				
120	1.042	120	0.810	120	1.029	120	1.029	120	1.148				
				132	1.039			132	1.100				
				144	1.014								
				156	1.010								
				168	1.007								
				180	1.005								
				192	1.003								
				204	1.002								
				216	1.002								
				228	1.001								
				240	1.001								
				252	1.001								
				264	1.000								
				276	1.000								
				288	1.000								

Parameter Estimates	A = 3.184
	B = 0.970

Tail Factor from 132-Ultimate	1.007
Fitted Data	1.135
Broader Data Source	1.135
Selected Tail Factor	1.100

2010 CLRS 34

Heavy GL Incurred Loss Development

Accident Year	Incurred Losses (\$000)												
	Evaluation Age in Months												
	12	24	36	48	60	72	84	96	108	120	132		
1999	50	85	110	127	135	141	145	149	152	155	158		
2000	223	377	490	565	606	631	649	663	677	692			
2001	703	1,175	1,531	1,768	1,892	1,975	2,027	2,073	2,119				
2002	1,465	2,512	3,263	3,729	4,005	4,185	4,303	4,393					
2003	3,036	5,238	6,595	7,611	8,166	8,518	8,739						
2004	3,774	6,397	8,297	9,575	10,207	10,676							
2005	4,660	7,889	10,201	11,833	12,744								
2006	6,641	11,230	14,568	16,736									
2007	10,587	17,903	23,023										
2008	18,254	31,014											
2009	26,102												

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Heavy GL Incurred Loss Development

Accident Year	Incurred Loss Development Age-to-Age Factors											
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132+	
1999	1.700	1.294	1.155	1.063	1.044	1.028	1.028	1.020	1.020	1.019		
2000	1.691	1.300	1.153	1.071	1.043	1.029	1.022	1.021	1.022			
2001	1.671	1.303	1.155	1.070	1.044	1.026	1.023	1.022				
2002	1.715	1.299	1.143	1.074	1.045	1.028	1.021					
2003	1.725	1.259	1.154	1.073	1.043	1.026						
2004	1.695	1.297	1.154	1.066	1.046							
2005	1.693	1.293	1.160	1.077								
2006	1.691	1.297	1.149									
2007	1.691	1.286										
2008	1.699											
2009												
3 Yr Avg	1.694	1.292	1.154	1.072	1.045	1.027	1.022	1.021	1.021	1.019		
3 Yr Wtd	1.695	1.291	1.154	1.072	1.045	1.027	1.021	1.022	1.022	1.019		
5 Yr Avg	1.694	1.286	1.152	1.072	1.044	1.027	1.023	1.021	1.021	1.019		
Mid 3 of 5	1.693	1.292	1.152	1.072	1.044	1.028	1.022	1.021				
Wtd Avg	1.697	1.289	1.153	1.072	1.045	1.027	1.022	1.022	1.022	1.019		
Selected	1.694	1.292	1.154	1.072	1.045	1.027	1.022	1.021	1.021	1.019		

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Heavy GL Incurred Loss Development

Analysis of Development Patterns - Incurred
Power Model
Curve: $Y = A \cdot (B \wedge X)$

Actual Values (Slide 30)		Transformed Values		Fixed Values		Cumulative Factors	
X Var	Y Variable	X	Y	X	Y	X	Y
Age	LDF's	Age	LDF's	Age	LDF's	Age	CF's
12	1.808	12	1.841	12	1.841	12	3.840
24	1.292	24	1.236	24	1.235	24	1.918
36	1.154	36	1.123	36	1.150	36	1.484
48	1.072	48	1.076	48	1.102	48	1.266
60	1.045	60	1.073	60	1.099	60	1.200
72	1.027	72	1.073	72	1.047	72	1.148
84	1.025	84	1.072	84	1.032	84	1.118
96	1.021	96	1.071	96	1.022	96	1.095
108	1.021	108	1.070	108	1.015	108	1.072
120	1.019	120	1.070	120	1.011	120	1.050
				132	1.007	132	1.033
				144	1.005		
				156	1.003		
				168	1.002		
				180	1.002		
				192	1.001		
				204	1.001		
				216	1.001		
				228	1.000		
				240	1.000		
				252	1.000		
				264	1.000		
				276	1.000		
				288	1.000		

Parameter Estimates
A = 1.530
B = 0.979

Tail Factor from 132-Ultimate
Fixed Data 1.024
Broader Data Source 1.037
Selected Tail Factor 1.038

Tail Factor vs Actual LDF's (cumulative)

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Heavy GL Loss Development

Summary of Loss Development Projections

Accident Year	Earned Premium	Actual Losses @ 12/31/09		Cumulative LDF		Estimated Ultimate Losses		Estimate Ultimate Loss Ratio	
		(3) Paid	(4) Incurred	(5) Paid	(6) Incurred	(7) Paid	(8) Incurred	(9) Paid	(10) Incurred
(1)	(2)	(3) slide 32	(4) slide 35	(5) slide 34	(6) slide 37	(7)=(3)x(5)	(8)=(4)x(6)	(9)=(7)/(2)	(10)=(8)/(2)
1999	192	148	158	1.100	1.030	163	163	84.8%	84.8%
2000	922	636	692	1.146	1.050	728	727	68.6%	68.4%
2001	2,499	1,909	2,119	1.192	1.072	2,275	2,271	91.0%	90.9%
2002	5,101	3,834	4,393	1.258	1.095	4,821	4,809	94.5%	94.3%
2003	9,987	7,233	8,739	1.355	1.118	9,804	9,774	98.2%	97.9%
2004	12,065	8,080	10,676	1.521	1.148	12,288	12,260	101.9%	101.6%
2005	15,174	8,485	12,744	1.802	1.200	15,292	15,289	100.8%	100.8%
2006	22,537	9,167	16,736	2.348	1.286	21,522	21,523	95.5%	95.5%
2007	35,455	9,998	23,023	3.418	1.484	34,177	34,177	96.4%	96.4%
2008	59,999	10,135	31,014	5.864	1.918	59,428	59,485	99.0%	99.1%
2009	86,337	4,589	26,102	15,741	3,249	72,235	84,733	83.7%	98.2%
Total	250,168	64,213	136,396			232,733	245,269	93.0%	98.0%

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Heavy GL Expected Loss Techniques

Bornhuetter-Ferguson Method

	AY 2009	
	Paid Estimate	Incurred Estimate
(1) Earned Premium (slide 38)	86,337	86,337
(2) Expected Loss Ratio	102.0%	102.0%
(3) Expected Losses [(1) x (2)]	88,064	88,064
(4) Cumulative Loss Development Factor (slide 38)	15,741	3,249
(5) % of Losses Unpaid/Unreported [1 - 1 / (4)]	93.6%	69.2%
(6) \$ of Losses Unpaid/Unreported [(3) x (5)]	82,469	60,955
(7) Actual Losses @ 12/31/09 (slide 38)	4,589	26,102
(8) Revised Ultimate Losses [(6) + (7)]	87,058	87,057

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Heavy GL Loss Development

Heavy General Liability
Revised Ultimate Losses

Accident Year	Earned Premium	Actual Losses @ 12/31/09		Estimated Ultimate Losses		Estimated Required IBNR		Estimate Ultimate Loss Ratio	
		Paid	Incurred	Paid	Incurred	Paid	Incurred	Paid	Incurred
(1)	(2)	(3) slide 32	(4) slide 35	(5) slide 38	(6) slide 38 (latest AY from slide 39)	(7)=(5)-(4)	(8)=(6)-(4)	(9)=(7)/(2)	(10)=(8)/(2)
1999	192	148	158	163	163	5	5	84.8%	84.8%
2000	822	635	692	728	727	36	35	88.6%	88.4%
2001	2,499	1,909	2,119	2,275	2,271	156	152	91.0%	90.9%
2002	5,101	3,834	4,383	4,821	4,809	428	416	94.5%	94.3%
2003	9,587	7,233	8,739	9,804	9,774	1,065	1,035	98.2%	97.9%
2004	12,065	8,080	10,676	12,288	12,260	1,612	1,584	101.9%	101.6%
2005	15,174	8,485	12,744	15,292	15,289	2,548	2,545	100.8%	100.8%
2006	22,537	9,167	16,736	21,522	21,523	4,786	4,787	95.5%	95.5%
2007	35,455	9,998	23,023	34,177	34,177	11,154	11,154	96.4%	96.4%
2008	59,999	10,135	31,014	59,428	59,485	28,414	28,471	99.0%	99.1%
2009	85,337	4,589	26,102	87,058	87,057	60,956	60,955	100.8%	100.8%
Total	250,168	64,213	136,396	247,556	247,533	111,160	111,137	99.0%	98.9%

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Summary

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Summary of IBNR Estimates

Summary of IBNR Estimates

	Paid Estimates	Incurred Estimates
Total General Liability (slide 14)	194,909	202,836
GLIC Actuary Selection (average)	198,872	
Sum of Components		
Light GL (slide 30)	102,365	103,302
Heavy GL (slide 40)	111,160	111,137
Total GL	213,525	214,439
Selected by Consulting Actuary (average)	213,982	
GLIC Carried IBNR Reserves	198,304	
Indicated Redundancy/(Deficiency)	(15,678)	

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