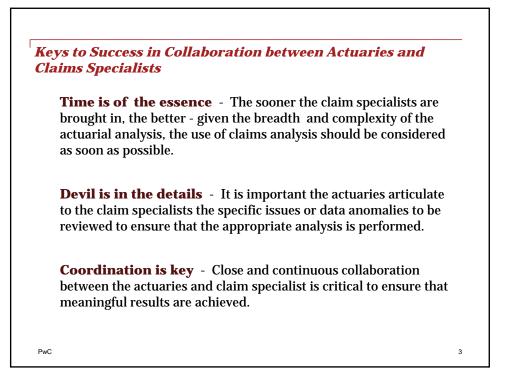
Coordination of the Actuarial and Claims Function

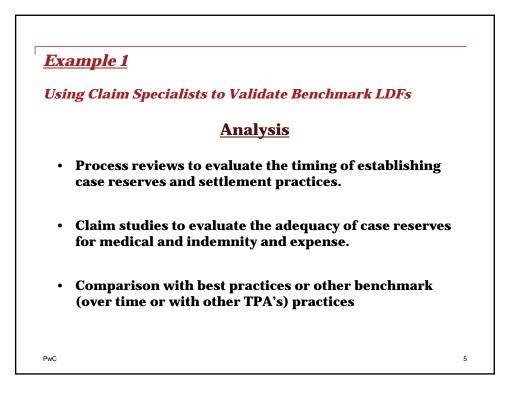
Alan Hines *Managing Director*

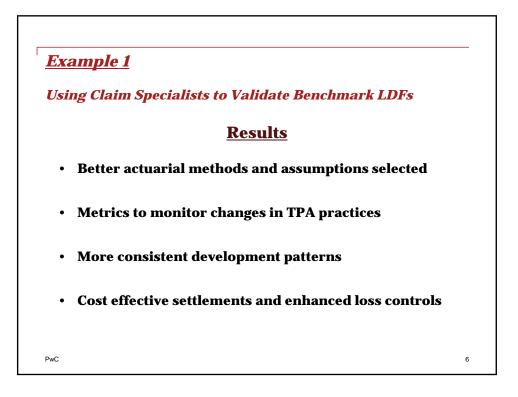
John Murphy *Director*

Ways in which Claims Sp	pecialists can assist Actuaries
Reserve Adequacy Review	Targeted claim reviews to assist actuaries in evaluating estimates of unpaid claims
Operational Review	Analysis to ensure company's and Third Party Administrator (TPA) are using best practices to manage and monitor claim activity
Leakage Study	Examination of hard and soft leakage to gain efficiencies and cost savings
Defense Cost Analysis	Review Company and TPA's defense strategy and litigation spend
Forensic Loss Analysis	Evaluate experience by type of loss to develop effective loss control initiatives
Strategic Partner Review	Review of the TPA services agreement(s) to evaluate if company has instituted appropriate controls to achieve the stated financial and operational objectives

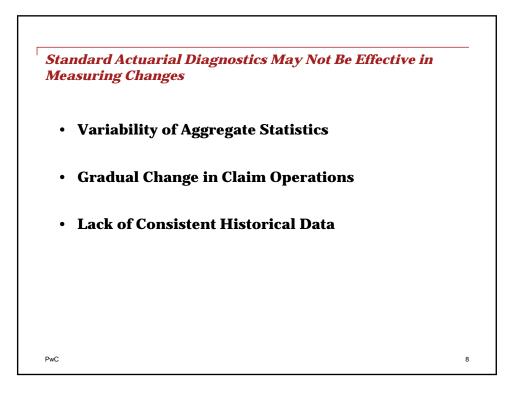


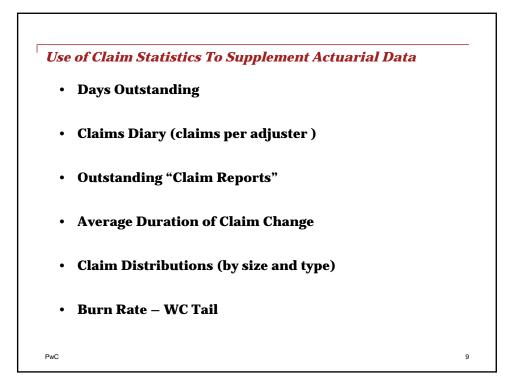
Example 1 Using Claim Specialists to Validate Benchmark LDFs <u>Issue</u> While all claims adjusters should establish case basis reserves to reflect the expected value to settle the claim, not all TPA's use the same claim reserving or claim settlement practices. A claim specialist can evaluate differences in TPA practices that may impact the actuary's LOss Development Factor (LDF) selections.

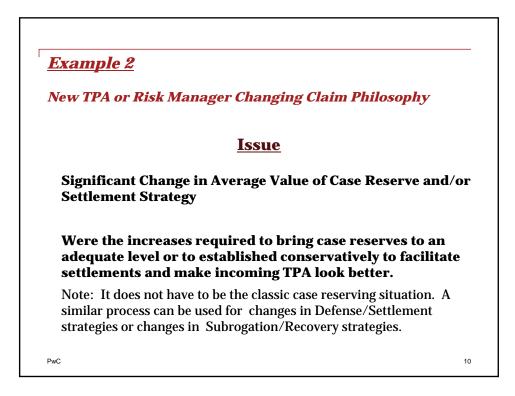




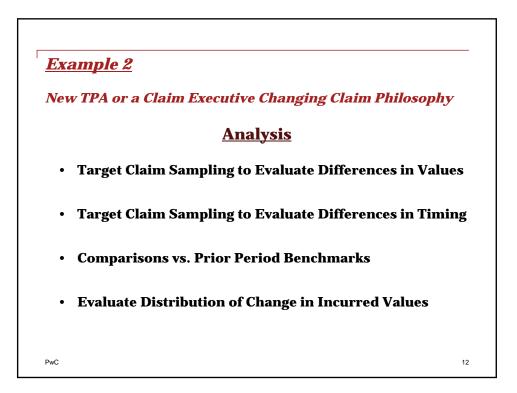


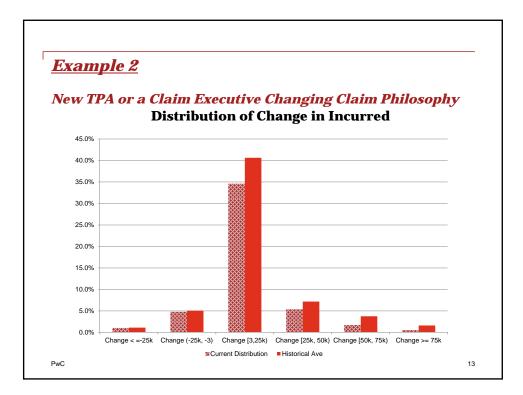






Differe		ctua S	11141	1050	.5 1710	ay 1.	0111	louu		later	141		
	Net Retained Development Data												
Ave	rage	Case	e Res	erve	Per	Ope	en Cl	aim	Valu	ed 5	/31/	2013	5
					Age a	ns of 5/31/	2013						
Policy Year	12	24	36	48	60	72	84	96	108	120	132	144	156
5/1/97-98				45,796	61,121	77,341	62,560	75,967	67,773	78,901	70,082	26,536	23,20
5/1/98-99			55,888	54,365	62,639	86,412	76,523	85,062	89,556	98,882	91,092	86,536	82,4
5/1/99-00			44,229	34,243	36,915	63,743	63,226	75,697	71,939	67,748	65,070	40,311	32,3
5/1/00-01			16,633	14,693	23,263	43,795	38,534	40,242	37,187	35,512	33,844	32,783	54,79
5/1/01-02		15,475	13,932	14,427	24,256	25,814	52,766	48,058	63,904	42,559	64,324	83,342	
5/1/02-03	7,621	9,786	10,731	8,381	17,635	38,526	52,050	52,805	40,346	46,962	78,231		
5/1/03-04	16,578	34,430	37,281	31,076	35,561	36,388	50,025	45,825	43,601	65,846			
5/1/04-05	8,725	8,116	24,831	38,569	43,850	67,873	60,199	45,763	61,987				
5/1/05-06	9,242	24,787	50,216	47,730	65,506	62,999	48,832	64,589					
5/1/06-07	10,623	19,040	33,922	45,436	44,501	42,934	67,266						
5/1/07-08	13,310	28,646	41,786	38,360	46,534	71,756							
5/1/08-09	16,772	29,911	37,510	46,375	68,394								
5/1/09-10	14,685	18,186	43,002	51,777									
5/1/10-11	15,447	31,103	48,486										
5/1/11-12	22,285	35,826											
5/1/12-13	23.173												



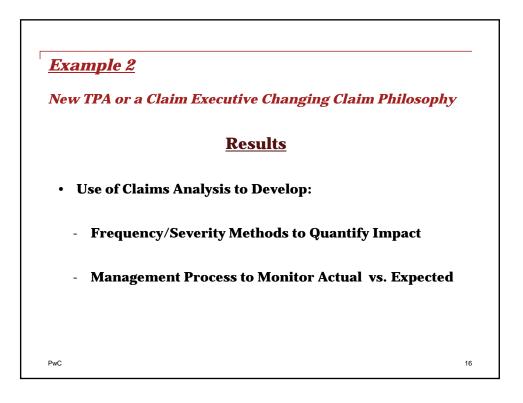


<u>Exampl</u>	o 1					
Елапрі						
New TPA	or a Clain	n Execut	ive Chan	ging Cla	im Philo	sophy
				00		
	Counts					
AY	Change < =-25k Counts	Change (-25k, 0) Counts	Change [0,25k) Counts	Change [25k, 50k) Counts	Change [50k, 75k) Counts	Change >= 75k Counts
1998	3	,		50k) Counts 6	75k) Counts 8	
1999	3			6	6	
2000	2			12	12	
2000	3			14	16	
2002	5	-		6	7	
2003	1	7	÷	10	13	
2004	2			12	6	
2005	3		957	6	9	
2006	1	21	1108	8	11	
2007	2	17	1355	16	17	1;
2008	6	26	1759	22	18	1
2009	5	34	1907	37	22	:
2010	8	39	2306	60	31	
2011	11	64	2416	71	37	
2012	17	70	2583	173	27	:
Grand Total	72	323	17960	459	240	10-
Percent	0.38%	1.69%	93.75%	2.40%	1.25%	0.54%
Historical Ave	0.35%	1.60%	95.49%	1.80%	0.57%	0.19%

<u>Example 2</u>

New TPA or a Claim Executive Changing Claim Philosophy

AY	Change < =-25k	Change (-25k, 0)	Change [0,25k)	Change [25k, 50k)	Change [50k, 75k)	Change >= 75k
1998	(194,652)	(56,210)	99,372	298,440	528,816	152,779
1999	(314,196)	(40,704)	1,210,908	278,970	310,878	247,252
2000	(57,952)	(25,400)	1,172,376	309,324	765,876	618,165
2001	(145,389)	(143,649)	820,170	543,368	820,768	839,292
2002	(315,270)	(57,790)	5,507,295	230,532	474,327	1,596,114
2003	(43,452)	(26,306)	6,139,068	478,610	967,993	1,609,629
2004	(275,112)	(94,986)	6,212,922	454,236	351,804	521,950
2005	(333,159)	(7,500)	8,163,210	195,960	662,931	2,166,168
2006	(99,069)	(121,002)	7,605,312	232,576	554,686	1,212,085
2007	(97,170)	(17,357)	12,666,540	727,616	1,259,360	2,145,260
2008	(213,996)	(268,892)	29,640,909	839,080	1,015,848	2,032,490
2009	(294,485)	(620,670)	24,039,642	1,201,945	1,211,298	760,194
2010	(314,928)	(88,218)	44,452,762	1,903,740	2,010,660	998,478
2011	(423,280)	(938,496)	57,662,672	3,017,358	2,574,053	1,976,355
2012	(498,746)	(953,330)	42,175,224	5,726,992	1,925,694	681,369
Grand Total	(3,620,856)	(3,460,510)	247,568,382	16,438,747	15,434,992	17,557,580
Normalized Prior Average	(3,352,650)	(3,295,176)	228,674,678	11,207,430	6,879,638	4,004,022
Potential Strengthening			\$10M - \$20M **	\$5M	\$9M	\$13M
Average Change	(50,290)	(10,714)	13,784	35,814	64,312	168,823
Historical Average	(50,000)	(10,750)	12,500	32,500	63,000	110,000



<u>Example 2</u> Difficulty in Selecting Tail Factor

<u>Issue</u>

- Most self-insureds do not have sufficient experience from which to develop a tail factor using historical experience.
- Normally rely on insurance industry benchmarks for tail factor.
- Is the TPA establishing case reserves using industry best practices?

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PwC

