

Title: Workers' Compensation Reserve Cycle: Looking Beyond the Medical CPI



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# Agenda

- Limitations of using medical CPI for workers' compensation
- Outside the CPI: Historical cost drivers
- Utilization rates
- Severity varies
  - By industry
  - By state
  - By changes in SIR/Deductibles
- Claim frequency
- Outside the CPI: Historical cost drivers





### Limitations of Using Medical CPI

# **Fundamental Differences Between Group Health and Workers' Compensation Systems**

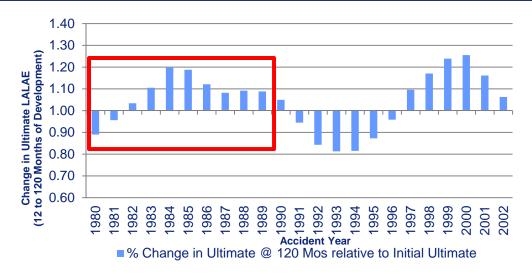
Concept	Group Health	Workers' Compensation			
Incidence of illness/injury	<ul> <li>Highly predictable in large populations</li> <li>Minimal employer role in affecting rates of incidence</li> </ul>	<ul> <li>Very unpredictable</li> <li>Major employer role in affecting rates of incidence</li> </ul>			
Gatekeeper tool	<ul> <li>Primary care physician</li> <li>Reliance on internist or general practitioner</li> </ul>	<ul> <li>Need fully-equipped, trained, accessible point-of-entry facilities</li> <li>Trauma or initial care orientation</li> </ul>			
Diagnosis/ treatment philosophy	<ul><li>Progressive</li><li>Return to work not an issue</li></ul>	<ul> <li>Aggressive</li> <li>Return to work an objective</li> </ul>			
System financing	<ul> <li>Predictable utilization</li> <li>Employer experience not a major determinant of cost</li> <li>Leads to risk sharing or transfer</li> <li>Closed end for cases</li> <li>Cause of injury/illness irrelevant</li> </ul>	<ul> <li>Unpredictable utilization</li> <li>Employer experience major cost determinant</li> <li>Does not lead easily to risk sharing or transfer</li> <li>Possible lifetime costs</li> <li>Cause of injury critical</li> </ul>			

Source: The Vincam Group, as quoted in "Workers' Comp – Can Managed Care Fix It?" by Jean Lawrence, *Managed Care*, April 1997.



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#### Outside the CPI: Cost drivers in the 1980's



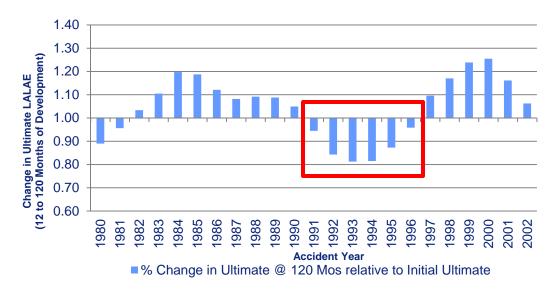
- Growth in medical component of WC claims in lost time cases
  - 13% annual growth rate from 1980-89
  - Possible cost shifting by medical providers
- 10% annual increase in indemnity claims
  - Increase in benefits as a percentage of average weekly wage
  - Increased attorney involvement due to erosion of exclusive remedy doctrine
- Fraud: estimates range as high as 10% of total claims

Source: NCCI, Schedule P Data, Conning Research & Analysis



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#### Outside the CPI: Improvement in the early 1990's



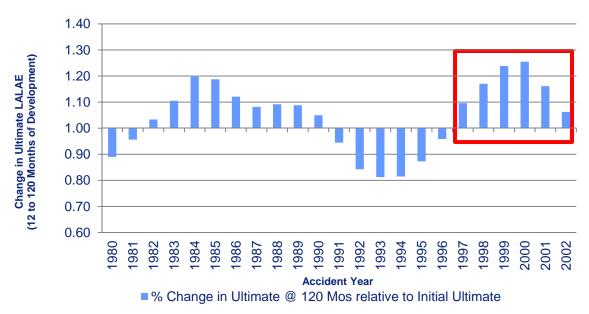
- Establishment of medical fee schedules
- Limitations on indemnity payments for temporary disability
- Judicial reforms and limitations on attorney fees
- Managed care initiatives
- Reforms in 19 states in 1992-93
  - Savings of \$800 million
  - Savings equal to 2.5% of countrywide L/R
- Deductibles permitted or increased in many states

Source: NCCI, Schedule P Data, Conning Research & Analysis





#### Outside the CPI: Deterioration in the late 1990's and early 2000's



- 25% increase in medical costs per claim from 1994-98
- ◆ LAE grew from 13% in 1991 to 25% in 1997
  - Expanded use of cost-containment programs and case management
- Insurance fraud
  - 1998 study by American Insurance Association estimated fraud losses of \$3 billion annually (10% of claims paid)
  - National Insurance Crime Bureau doubled the AIA estimate

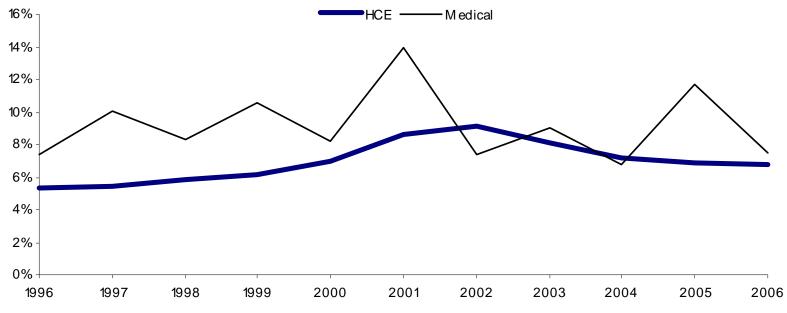
Source: NCCI, Schedule P Data, Conning Research & Analysis





#### **Utilization Rates**

# Change in Workers' Compensation Medical Costs versus Private Health Care Costs (Per Capita)



Source: National Council on Compensation Insurance, Centers for Medicare and Medicaid Services, Conning Research & Analysis

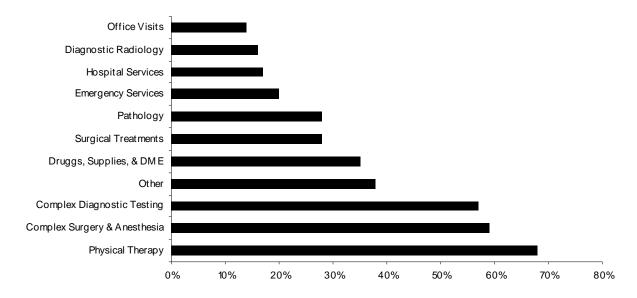
- 9.1% average annual change for workers' compensation
- 6.9% average annual change for health care expenditures in the U.S.





#### **Utilization Rates**

 Increase in Number of Treatments for All Diagnosis Codes by Service Category, Accident Years 2001-2002 Over 1996-1997



Source: National Council on Compensation Insurance

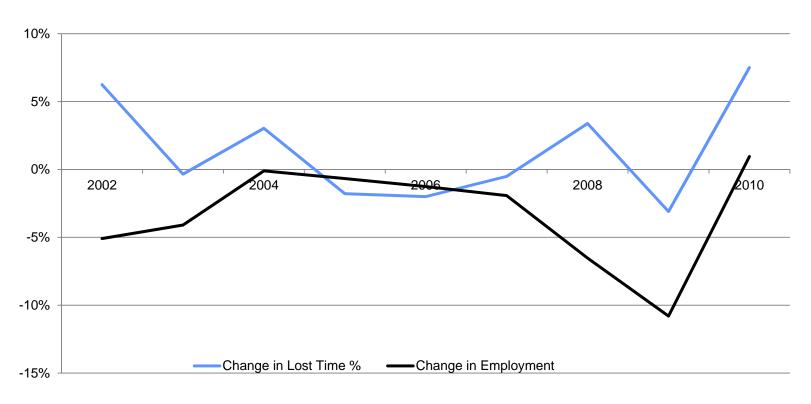
Possible changing mix of injury types





#### **Severity varies by industry**

#### Manufacturing: Change in Portion of Lost Time Claims



- Ratio of lost time incidence rates (per 100 workers) to total non-fatal incidence rates
- NCCI estimates that lost time claim severity is about 4 times overall claim severity

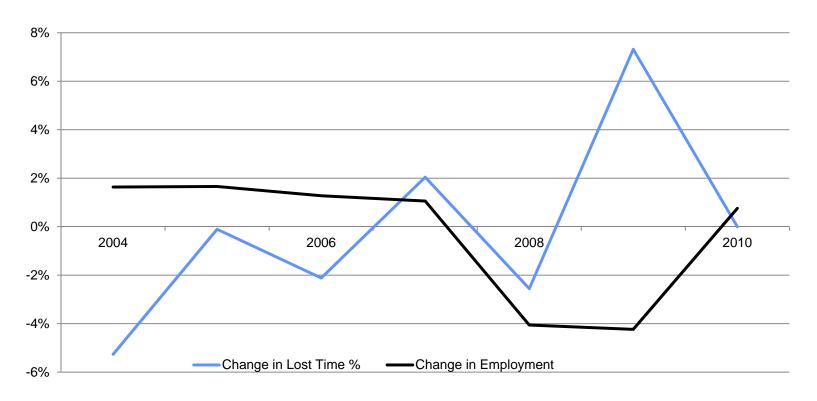
Source: Bureau of Labor Statistics, Conning Research & Analysis





#### **Severity varies by industry**

#### **Transportation: Change in Portion of Lost Time Claims**



- Manufacturing: Modest positive correlation between employment and lost time claims
- Transportation: Modest negative correlation between employment and lost time claims

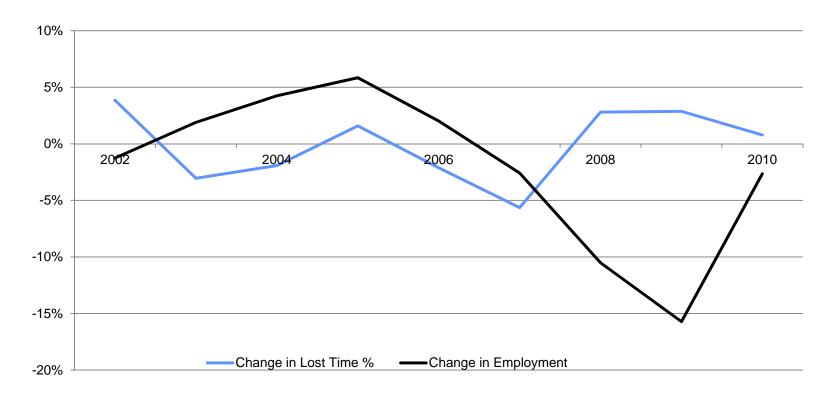
Source: Bureau of Labor Statistics, Conning Research & Analysis





### **Severity varies by industry**

#### **Construction: Change in Portion of Lost Time Claims**



Increase in severity during recession suggests that construction companies may be more careless in a weak economy.

Source: Bureau of Labor Statistics, Conning Research & Analysis





### Severity Differs by State

#### **Average Cost per Case, Medical and Indemnity (Lost Time Only) Top 6 Premium States**

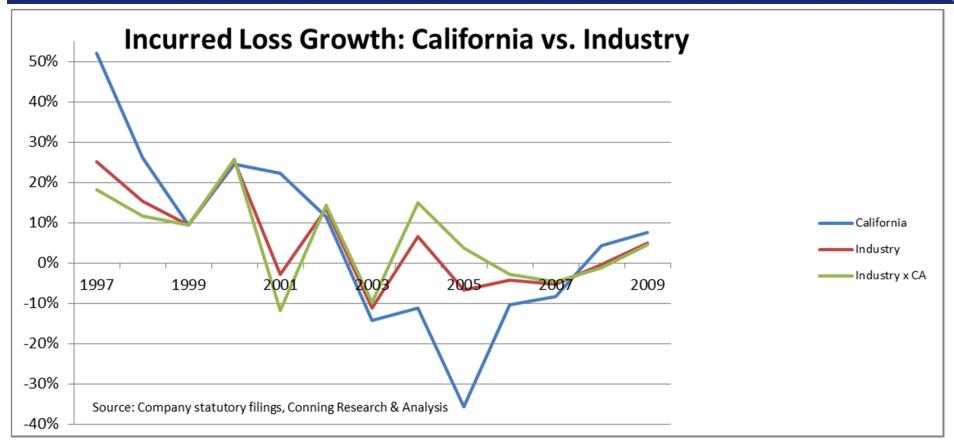
(\$ in thousands)

					2003-04	2004-05	
State	2005 Premiums	2003 Cost	2004 Cost	2005 Cost	% Change	% Change	Average Change
California	\$14,576,765	\$51.2	\$59.9	\$47.2	17.0%	(21.2%)	(2.1%)
Florida	3,704,867	39.0	41.3	43.9	5.9%	6.3%	6.1%
Texas	2,713,703	41.7	47.3	50.0	13.4%	5.7%	9.6%
Illinois	2,512,059	29.1	33.4	38.9	14.8%	16.5%	15.6%
Pennsylvania	2,148,308	35.9	39.9	43.6	11.1%	9.3%	10.2%
New York	2,045,824	41.7	42.6	50.4	2.2%	18.3%	10.2%

Source: National Council on Compensation Insurance



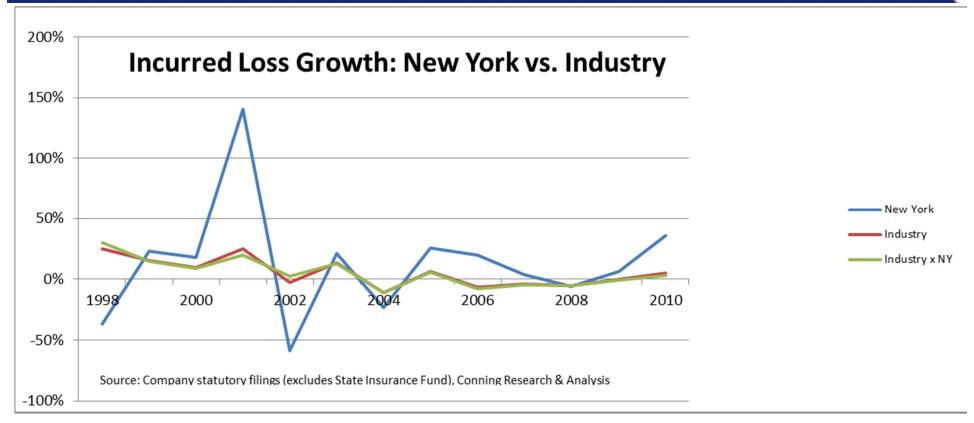




- Reforms in 2003-05 pushed incurred losses down
- As a result of reforms, premiums were reduced as well
- Reduced premiums resulted in CA losing market share in U.S., from 33% to 17%
- Erosion of reforms and rise of prescription drug costs led to declining profitability

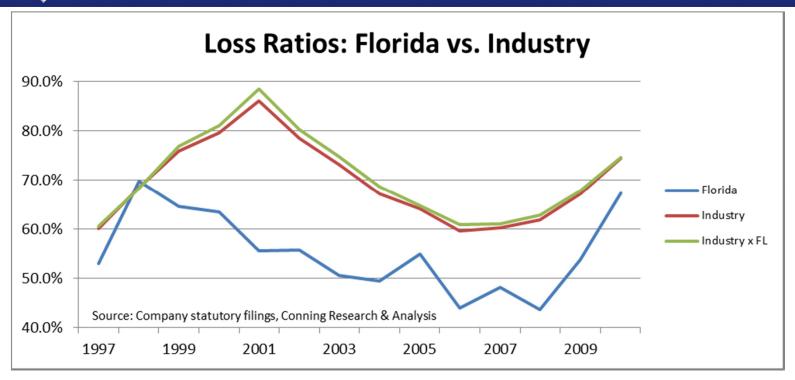






- Results spiraling out of control
- Driven largely by AIG and State Fund
- Insurers requested rate increase in 2012, governor denied it

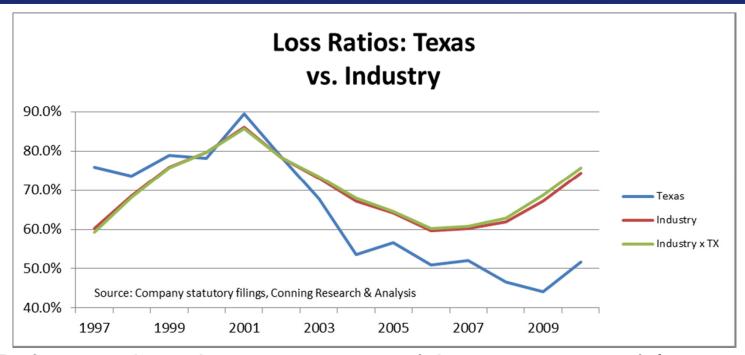




- Florida had 2<sup>nd</sup> highest premium rates in the U.S. in 2002
- Reforms in 2003 included limits on attorney's fees and second opinions
- Florida still outperforms the national average despite having the 12<sup>th</sup> lowest premium rate in 2010



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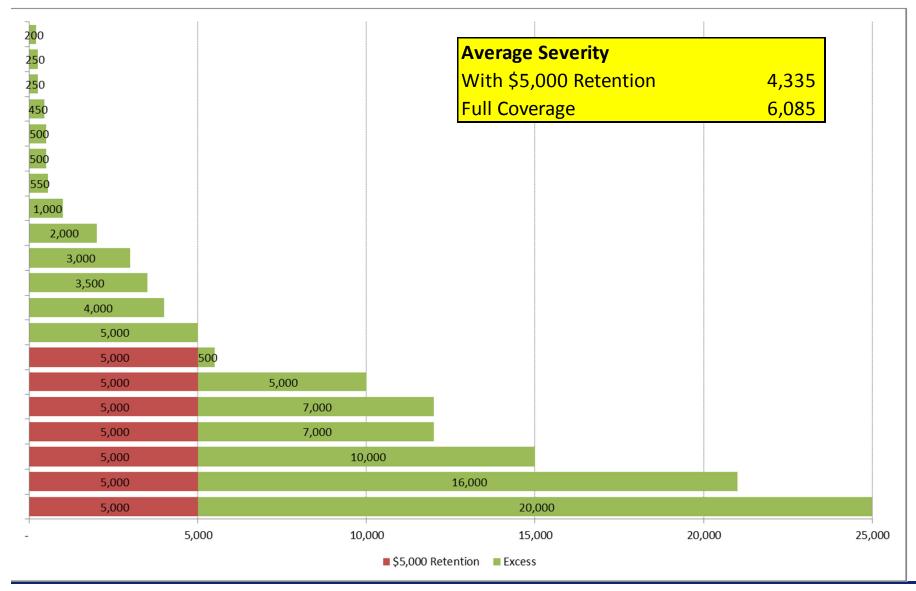


- Reform package in 2001 was one of the most successful ever implemented
  - Approved list of certified doctors
  - Regional networks
  - Pre-authorization requirements
- Currently the only state to allow companies to opt out





## Severity Varies by Changes in SIR/Deductibles

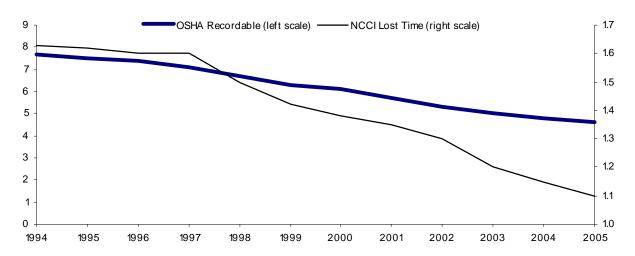




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#### **Claim Frequency**

Workplace Injury Loss Frequency Trends Injuries and Illnesses per Full-Time Worker per Year



#### **Possible Factors Behind Decreasing Loss Frequency**

- continued emphasis on workplace safety
- increased use of robotics, modular design, and construction techniques
- increased use of power-assisted processes
- advances in ergonomic design
- proliferation in cordless tools
- more and better job training

Source: OSHA, National Council on Compensation Insurance, Conning Research & Analysis





#### **Claim Frequency**

- Frequency in 2010 increased by 3% first increase since 1997
- Possible causes
  - New hires getting adjusted to new jobs
  - Workers less hesitant to file claims
  - Medical-only cases becoming lost time cases because of limited light-duty work available





#### **Outside the Medical CPI: Current Issues**

- Increased utilization of opioids prompting FDA intervention
  - CT report shows that more than 1 in 3 high-prescribing doctors get pharmaceutical perks
  - ACA will require public disclosure of pharmaceutical company payments to physicians by September 2013
- Doctor-dispensed drugs driving up costs in states such as FL
- NICB reports 13% increase in questionable claims for WC in 2011
  - Duplicate billing +207%
  - Inflated medical billing +113%



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