

Exhibit 1

Casualty Actuarial Society  
Spring Meeting

**Monitoring California  
Workers' Compensation Reforms:  
Is the System Evolving or Unraveling?**

Alex Swedlow, California Workers' Compensation Institute  
Laura B. Gardner, MD, Ph.D., MPH, Axiomedics Research

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Exhibit 2

Monitoring California Workers' Compensation Reforms:  
Is the System Evolving or Unraveling?

**Agenda**

- Pre-Reform Issues
- Elements of 2002 – 2004 Reforms
- Post Reform Scorecard
- Evolving Issues

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Exhibit 3

**Pre-Reform Issues**

**Prior to 2003 – 2004 reforms**

- California WC system was plagued by high rates and excessive variability in benefits.
- Permanent disability rating system was considered by many as too subjective and unpredictable.
- Average insurer rates per \$100 of payroll increased from \$2.30 in 1999 to \$6.45 in 2003  
    → California WC system is referred to as a “job killer.”
- Historic increases in medical benefit payments

State Fund Board of Directors Training      4/16/2009      3  
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### Pre-Reform Issues

#### Prior to 2003 – 2004 reforms (continued)

- Premium failed to keep pace with losses.
- Some insurers left the state, ceased writing WC, or were involved in M&As
- 28 others carriers became insolvent & CIGA assumes oversight

#### Results - Overburden of CIGA and fewer insurers

- Mostly large, national carriers aside from State Fund.
- State Fund share of WC premium grew from 20% to 50%.
- CIGA becomes the second largest WC claims administrator in the state.

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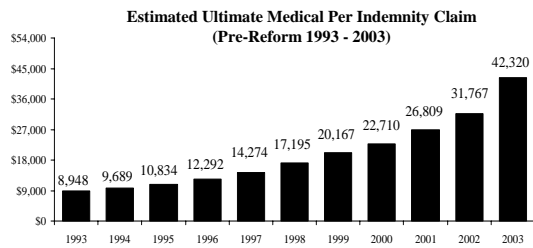
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### Pre-Reform Medical Development



Source: WCIRB as of March 31, 2003; 2004-2007 CWCI Projections based on adjusted trend analysis

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### Monitoring California Workers' Compensation Reforms: Is the System Evolving or Unraveling?

#### Agenda

- Pre-Reform Issues
- Elements of 2002 – 2004 Reforms
  - Post Reform Scorecard
  - Evolving Issues

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Elements of 2002 – 2004 Reforms

**The reforms focused on many areas of system dysfunction.**

- Medical benefit costs and quality of care.
- Temporary and permanent disability benefit rates.
- Return-to-work and other areas.

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Reform Summary (1 of 2)

**2002 Legislation (AB 749)**

- Primary Solutions: Increase WC benefits: death benefits, temporary and permanent disability benefits (with indexing and COLA features).

**2003 Legislation (SB 228/AB 227)**

- Primary Legislative Solutions: Medical Control:
  - Presumption of correction for evidence based medicine.
  - Use American College of Occupational & Environmental Medicine (ACOEM)
  - Limit chiropractic and physical therapy services, and
  - Update fee schedules (outpatient surgical facility fees, Rx).

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Reform Summary (2 of 2)

**2004 Legislation (SB 899)**

- Primary Legislative Solutions: Expand medical control
  - Medical Provider Networks for "life of claim"
  - Completely eliminate the treating physician presumption
  - Restructure PD rating from disability to impairment system
    - AMA (5th Ed) diminished future earnings capacity multiplier (FEC).
  - Apportionment based on causation.
  - 15% minus/plus impact on PD benefits that return/not return injured workers to workplace.

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### Monitoring California Workers' Compensation Reforms: Is the System Evolving or Unraveling?

#### Agenda

- Pre-Reform Issues
- Elements of 2002 – 2004 Reforms
- **Post Reform Scorecard**
- Evolving Issues

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#### Data Sources

1. WCIRB
2. Industry Claim Information System (V10A)
  - January 2002 – September 2008
  - 1.7 Million Claims
  - Total Benefits: \$14.8B
    - Indemnity Benefits: \$7.2B
    - Medical Benefits: \$7.6B
      - ✓ Medical Benefit Payments
      - ✓ Medical Services (MBR)

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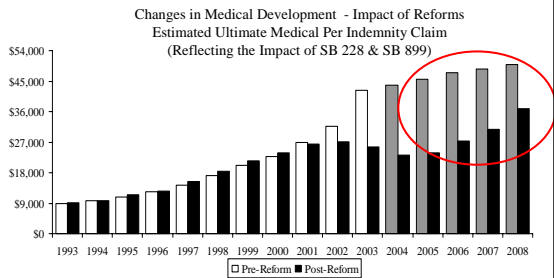
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#### Post-Reform Post Reform Scorecard Medical Development



Source: Pre-Reform - WCIRB as of March 31, 2003; 2004-2007 CWCI Projections based on adjusted trend analysis  
 Post-Reform - WCIRB as of March 2007; released June 2008  
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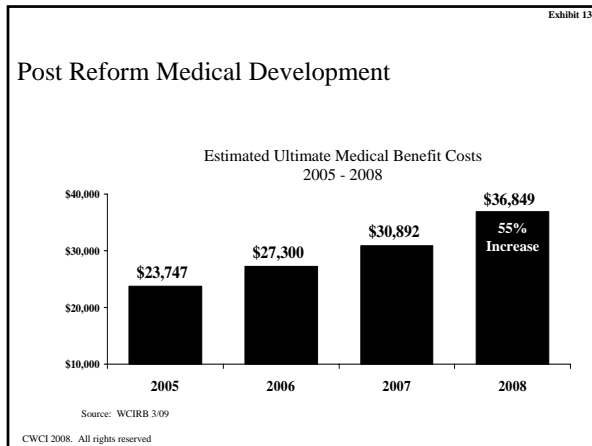
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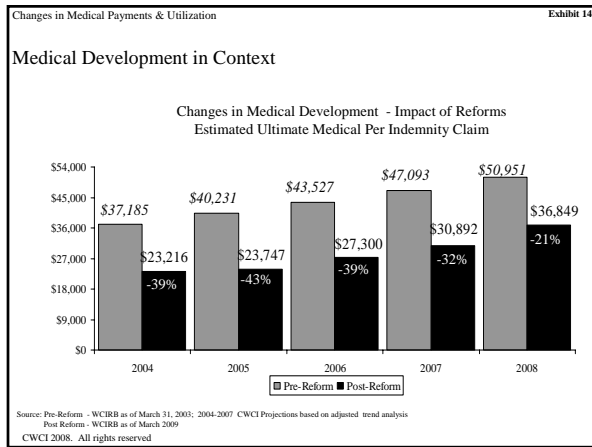
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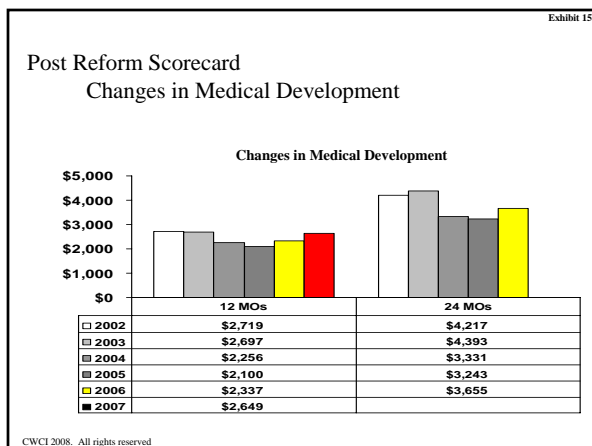
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### Direct Costs of Implementing Medical Reforms

#### Medical Management/Medical Cost Containment

- Medical Bill Review
- MPN Access
- Utilization Review

CWCI 2008/09 Study  
 Medical Benefits : MCC



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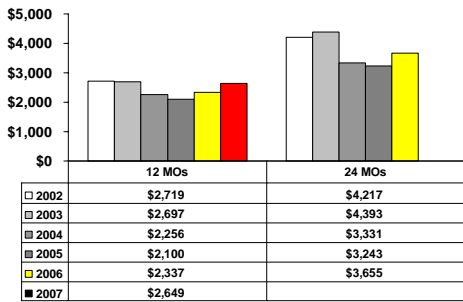
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### Medical Management: Preliminary Results Average Medical Benefit Payments by Injury Year - All Claims



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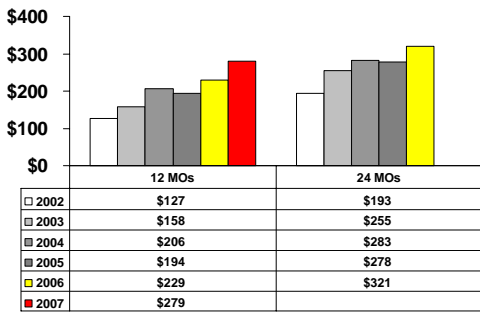
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### Medical Management: Preliminary Results Average Med Mgt Cost per Claim by Injury Year -



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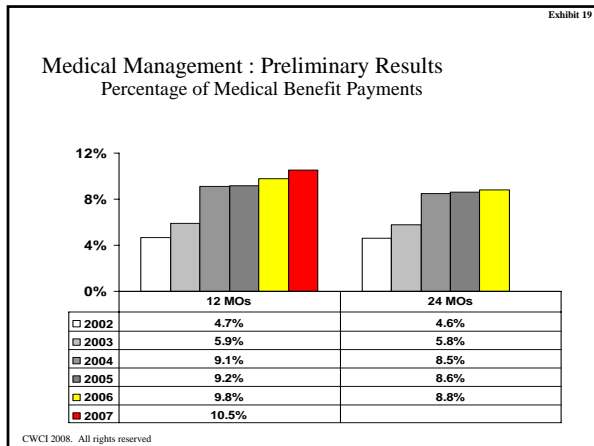
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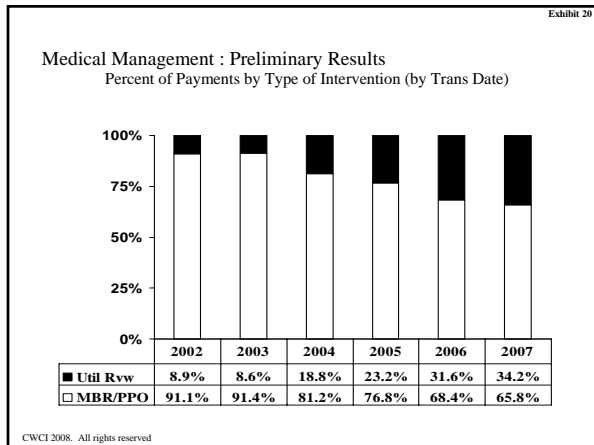
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Exhibit 21

## Medical Utilization

Measure changes in

- Inpatient admissions 2002 – 2006
- Outpatient utilization from 2002 – 2007

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Exhibit 22

## Changes in Inpatient Utilization

### Inpatient Admissions per Year

- Follow-up to 2001 study
- Utilization of Inpatient Services
- Analysis of Back Surgery
- Comparison to other health systems
  - Group Health
  - MediCare
  - Medi-Cal

➔ Surgical Implants (Preliminary Results)

**CWCI**

Post-Revision Changes in Inpatient Hospital Stay and Back Surgery in the California Market of Competition by 2006  
by David M. D'Amico, MD, PhD

Executive Summary

Background

Source: CWCI 2008  
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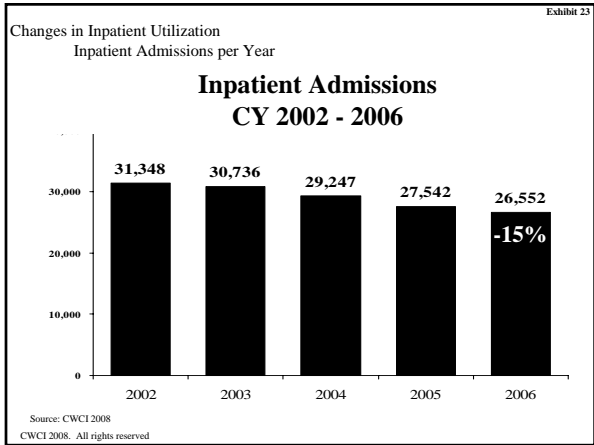
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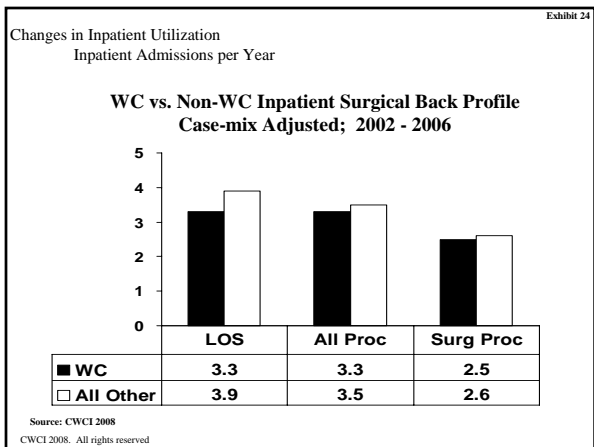
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**Cost Analysis of Surgical Implants:  
Preliminary Results**

- Special database with implants (2005-2007)
- Compare implant costs against 2001 Study<sup>1</sup>
- OSHPD discharge database

Back DRGs Eligible for Pass-through	2006 Cases
496 - Combined Anterior/Posterior Fusion	731
497 - Spinal Fusion Except Cervical w cc	967
498 - Spinal Fusion Except Cervical w/o cc	1378
519 - Cervical Spinal Fusion w cc	359
520 - Cervical Spinal Fusion w/o cc	1341
	4,776

<sup>1</sup> Kominsky & Gardner, CHSWC, 2001  
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**Cost Analysis of Surgical Implants:  
Preliminary Results**

**Double Payment for Surgical Implants**

Inpatient Hospital Fee Schedule pays 120% Medicare's global FS  
(includes surgical implants)

**Plus**

Pass-through payment for surgical implants  
Documented paid cost plus 10%

- RAND suggests pass-through incents shift from Outpatient to Inpatient settings
- Structure of pass-through provides little incentive to manage selection or cost of implants

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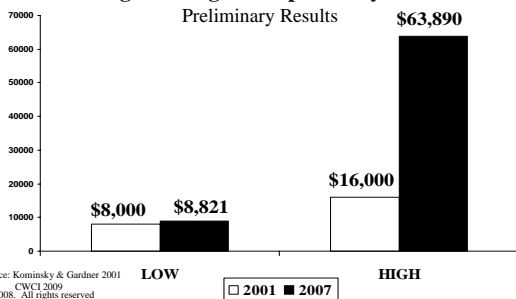
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**Cost Analysis of Surgical Implants:  
Preliminary Results**

**DRG 496 - Combined Anterior/Posterior Fusion  
Range of Surgical Implant Payments**



Source: Kominsky & Gardner 2001  
CWCI 2009  
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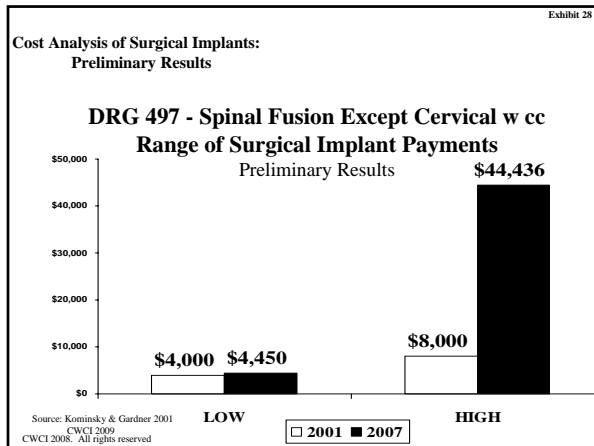
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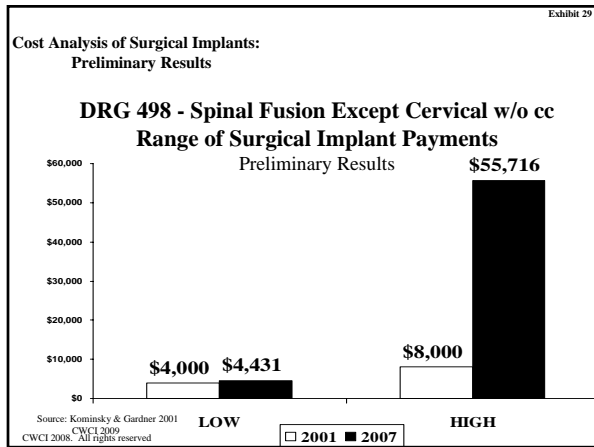
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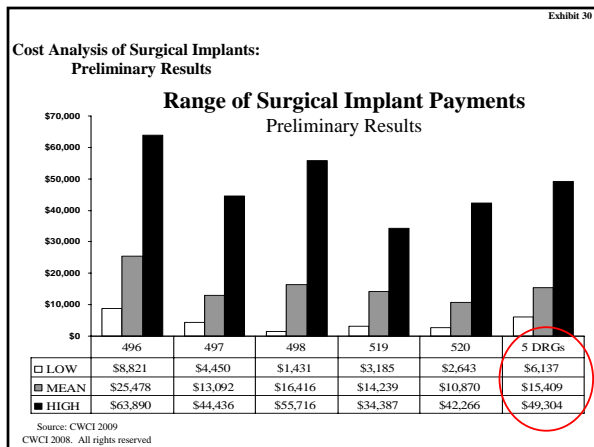
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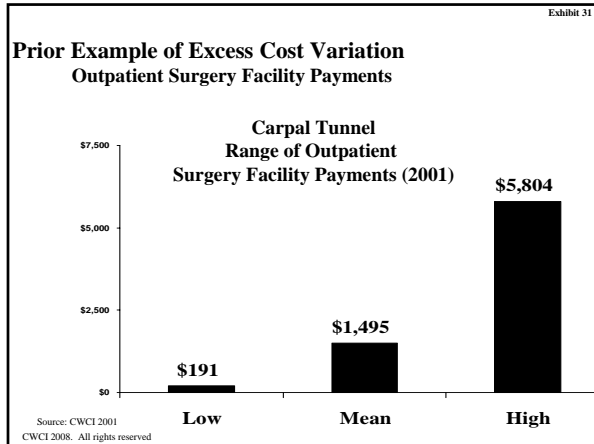
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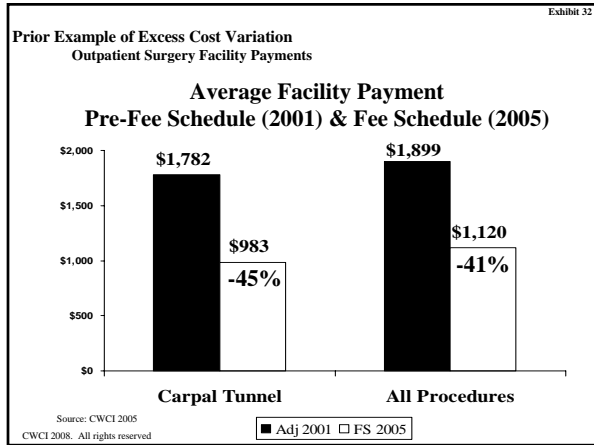
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Exhibit 33

Changes in Medical Payments & Utilization

**Medical Utilization  
Outpatient Utilization**

Outpatient Physician Services: 8 fee schedule sections

- E&M
- Surgery
- Radiology
- Medicine
- DME
- PT
- Chiro
- Special Services

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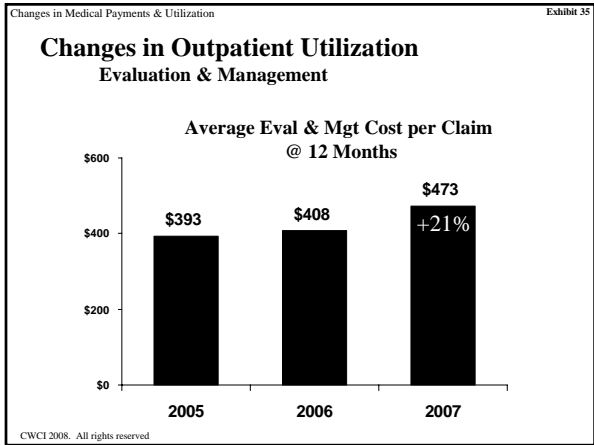
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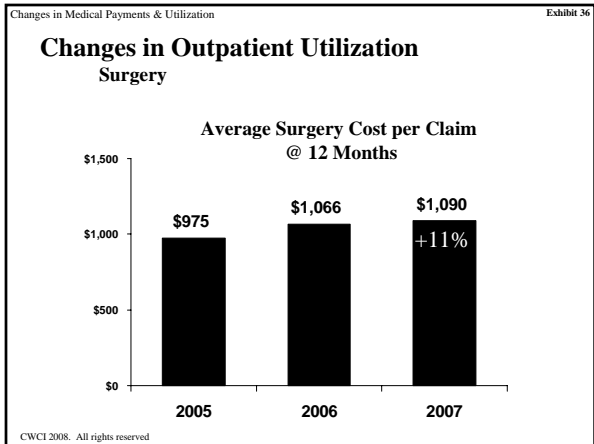
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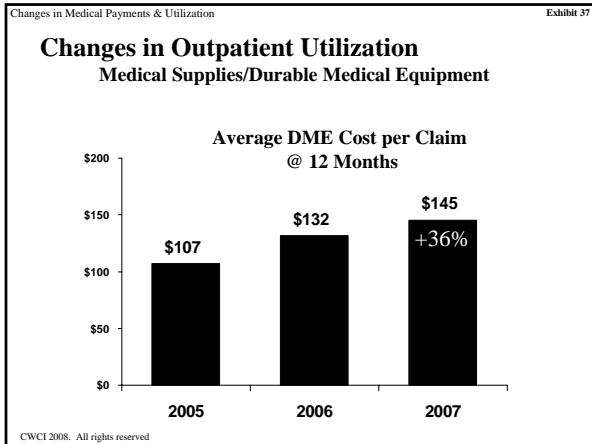
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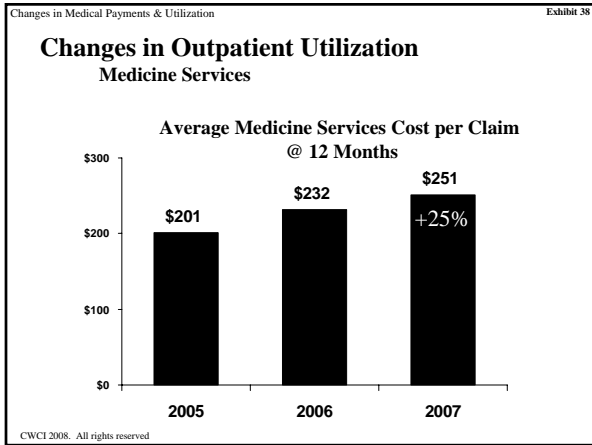
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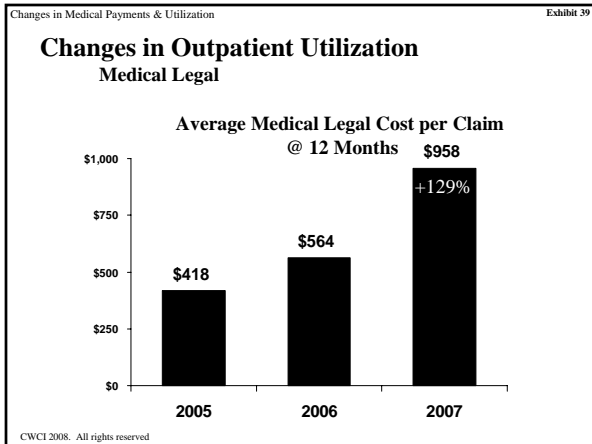
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# MPN Network Outcomes

Ongoing CWCI 2008 Study

Medical Networks: Physician and claim level analysis

- Pre- and post-reform differences
- Utilization of networks
- Network Links
- Cost & RTW outcomes
- Experience factor of providers
- Treatment comparisons to EBM




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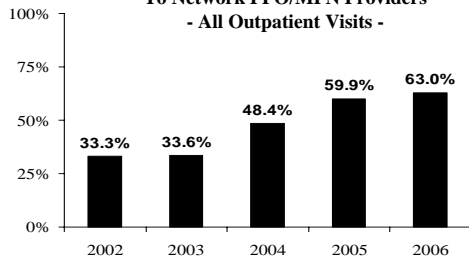
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# MPN Utilization

**Percentage of Outpatient Services  
To Network PPO/MPN Providers  
- All Outpatient Visits -**




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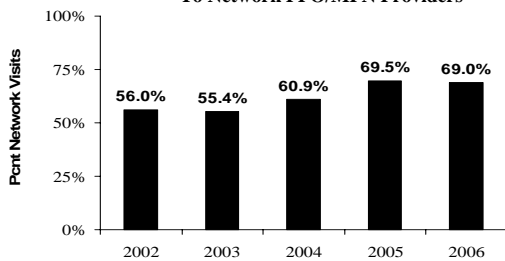
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# MPN Utilization

**Percentage of E&M  
To Network PPO/MPN Providers**




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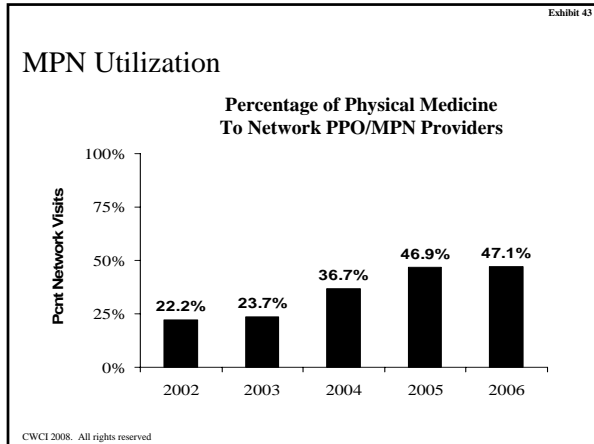
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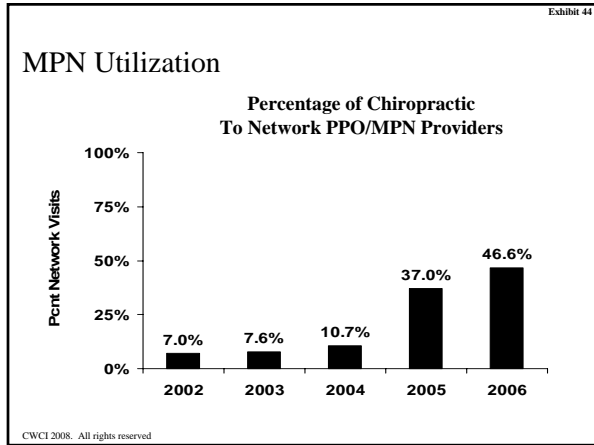
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Exhibit 45

### Changes in Pharmaceutical Utilization & Cost

1. Repackaged Drugs
2. Sole Source (Brand) v. Multi-source (Generic)
3. Opioids

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### Repackaged Drugs (pre-reform)

- Exempt from MediCal fee schedule
- Reimbursement level reverts to prior FS
  - ➔ 110% of AWP for brand
  - ➔ 140% of AWP for generics
- Repackagers set AWP

Source: CWCI 2005  
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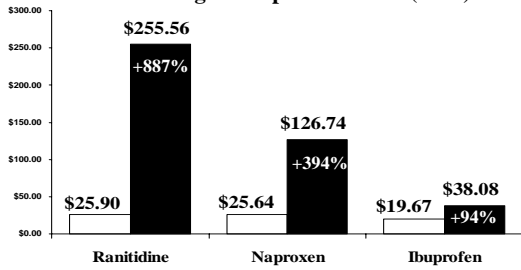
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### Before... Pharmacy vs. Repackaged Drugs Average Paid per 100 Units (2006)



Source: CWCI 2006  
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□ Pharmacy ■ Repackaged

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### Repackaged Drugs Update

- DWC regulation implemented March 2007
- Eliminates the repackage “loop-hole”
- Sets price at pharmacy fee schedule

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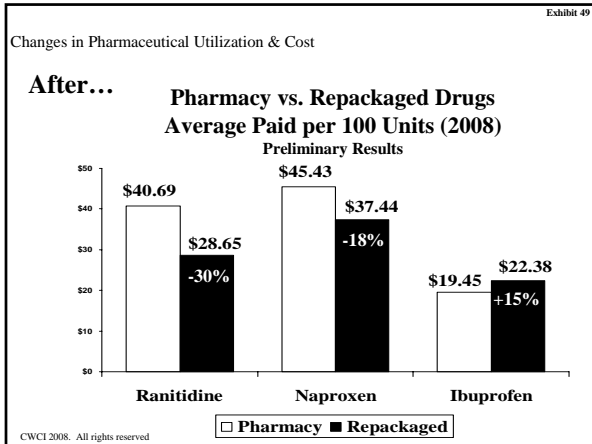
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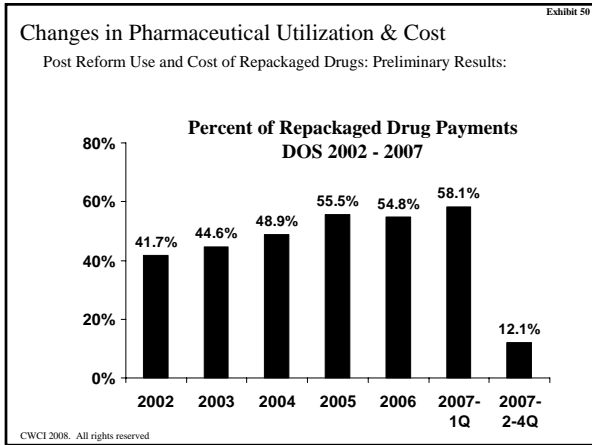
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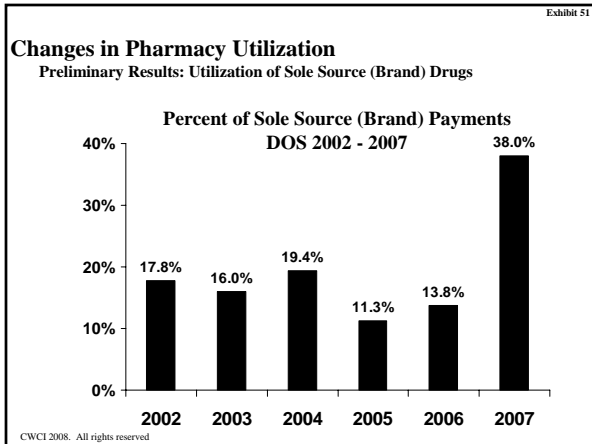
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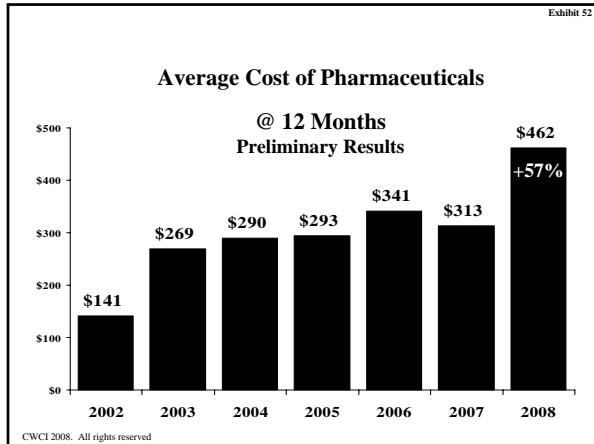
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Exhibit 53

Changes in Pharmaceutical Utilization & Cost  
Pain Management & Opioids

### Class-II Prescriptions

- High potential for abuse
- Strictly controlled
- May lead to severe psychological/physical dependence
- Pending FDA Program for Extended Release Opioids
- Growing use of Class-II drugs in CA WC  
Oxycodone, Fentanyl, Endocet, Methadone, Actiq, Demerol, Morphine

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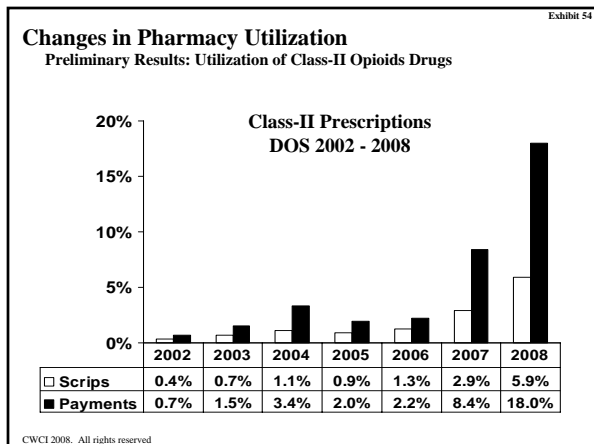
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Changes in Pharmaceutical Utilization & Cost  
Pain Management & Opioids

**June 2008 CWCI Study**

- 166,336 injured workers with medical back conditions without spinal cord involvement
- 854,244 opioid prescriptions were dispensed
- 25% of the study population received one or more prescriptions for opioid analgesics; an overall average of 5.2 prescriptions per claim.




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Changes in Pharmaceutical Utilization & Cost  
Pain Management & Opioids

**Key Findings**

- Injured workers who received modest levels of opioids had outcomes similar to those who received none.
- Opioid use for back injuries frequently exceeded recommended levels.
- High levels of opioids were associated with detrimental effects on injured workers with medical back conditions.
- Prolonged use of opioids impedes, rather than facilitates, recovery from disabling back conditions.

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**Post-Reform Medical Development**

Unadjusted & Case-mix Adjusted Medical Costs: Preliminary Results

**Unadjusted Costs**

- Actual payments

**Case-mix adjustment**

- Measures relationships between outcome (dependent) variables and predictor (independent)
- Adjusts for factors that might bias the results.

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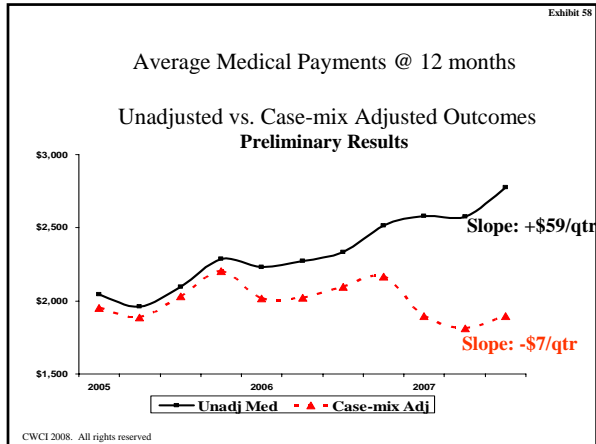
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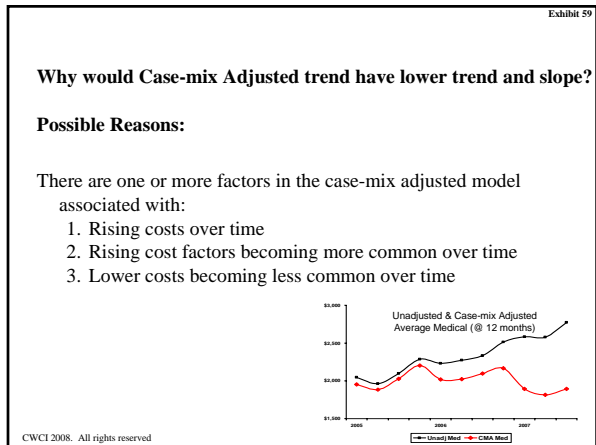
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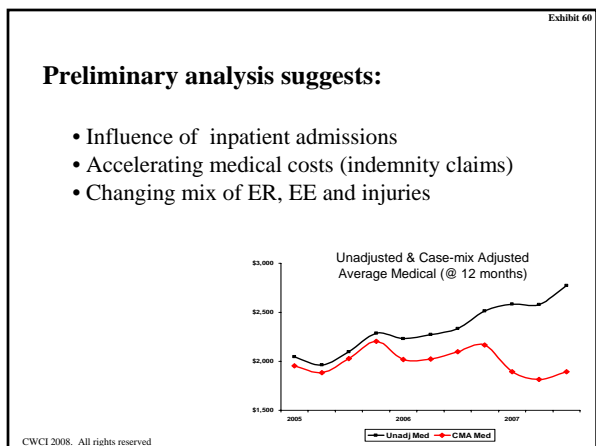
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## Temporary Disability Reform Background

Exhibit 61

- 2-year cap on TD benefits
- Exemptions for specific injuries



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## Temporary Disability Average Adjusted TD Paid at 12 and 24 Months Post 1<sup>st</sup> TD Payment Date

Exhibit 62

		TD Paid (12 & 24 Months Post 1 <sup>st</sup> TD Payment)		
		Pre-899 (Adjusted)	SB 899 (Adjusted)	Pcnt Diff
TD @ 12 Months	Mean	\$6,536	\$6,366	-2.60%
	Median	\$2,860	\$2,408	-15.80%
TD @ 24 Months	Mean	\$8,378	\$7,863	-6.10%
	Median	\$3,015	\$2,493	-17.30%

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## Temporary Disability Average Adjusted TD Paid at 12 and 24 Months Post 1<sup>st</sup> TD Payment Date by Year of Injury

Exhibit 63

		TD @ 12 Months	TD @ 24 Months
PRE-899	2002	\$6,422	\$8,097
	2003	\$6,416	\$7,806
	2004	\$6,571	\$8,125
SB-899	2004	\$6,220	\$7,592
	2005	\$6,389	\$7,910
	2006	\$6,485	

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Exhibit 64

**Temporary Disability**  
Distribution of TD Claims with 2-Year Cap Exemption

Exempt Categories	Percent of Exempt Claims	
	Pre- SB 899	SB 899
Amputation	1.70%	1.50%
Burns	1.40%	1.20%
Eye Burns	0.20%	0.10%
Eye Injury	0.70%	0.50%
Hepatitis	0.10%	0.10%
HIV	0.00%	0.00%
Lung Disease	1.00%	1.00%
Pulmonary Fibrosis	0.10%	0.00%
<b>Exempt Sub-Total</b>	5.10%	4.50%
<b>Non-Exempt</b>	94.90%	95.50%
<b>Total</b>	100.00%	100.00%

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Exhibit 65

**Temporary Disability**  
Percentage of Non-Exempt TD Claims with More than 2 Years of TD Benefit Payments

	Non-Exempt Claims with TD Payments	Claims Beyond 2yr Cap	Pent of Total
April 19 - June 30 2002	19,163	1,745	9.10%
April 19 - June 30 2004	15,271	481	3.10%

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Exhibit 66

Post Reform Marketplace (continued)

**Recent CWCI analysis associates the recent adverse development with several underlying events including:**

- High cost of implementing and administering reforms
- Dilution of the medical treatment utilization schedule with competing (& often conflicting) guidelines
- Rising medical utilization and increased use of narcotics and surgical implants
- Shifting litigation frequency and cost.

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Exhibit 67

Monitoring California Workers' Compensation Reforms:  
Is the System Evolving or Unraveling?

**Agenda**

- Pre-Reform Issues
- Elements of 2002 – 2004 Reforms
- Post Reform Scorecard
- **Evolving Issues**

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Exhibit 68

**Regulations**

- WCIS – data reporting regulations and penalties
- EAMS – case management regulation from WCAB & DWC
- Future Regulatory Issues

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Exhibit 69

**Case Law**

**Medical Care**

- Medical Provider Networks (MPN)
  - insufficient or improper notice to injured worker
  - treatment outside the network paid for by the injured worker
- Medical Treatment Utilization Schedule (MTUS)
  - validity of the presumption and “free choice”
  - transferring current treatment into the MPN
  - timely review, use of the UR opinion, denial of requested treatment
  - 24 visit treatment caps

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Exhibit 70

**Case Law**  
**Indemnity**

- Temporary disability  
 constitutionality of the 104 week limit,  
 medical necessary treatment beyond the caps
  
- Permanent disability rating schedule  
 validity, application, and rebuttal
  
- Apportionment  
 work capacity v. causation  
 prior awards  
 substantial evidence and multiple injuries.

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Exhibit 71

**En Banc Decisions**

- Ogilvie v. City and County of San Francisco
  
- Almaraz v. Environmental Recovery Services &  
 Guzman v. Milpitas Unified School District

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Exhibit 72

**En Banc Decisions**  
**Ogilvie v. City and County of San Francisco**

- May apply to all cases rated under the 2005 PDRS
- Some cases reopened to reassess DFEC modifier .
- Claims administrator may need to reevaluate reserves.
- All costs paid by defendant
- Typical case:
  - ✓FEC challenge (use of a vocational expert)
  - ✓Low rating with significant current wage loss
  - ✓0% permanent disability rating without RTW
  - ✓Rating near life pension or permanent total disability (100%)

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Exhibit 73

**En Banc Decisions**

**Almaraz v. Environmental Recovery Services & Guzman v. Milpitas Unified School District**

- WCAB offers little direction to rebut the PDRS or establish a new “fair and accurate” disability assessment
- The proof offered will be subjective, unrestricted, and unpredictable
- Rating by analogy is unrestricted
- The Board opens the PD to:
  - Other evidence of disability and medical literature or criteria
  - AMA and other established medical organizations
  - Other medical and non-medical information and vocational experts.

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Exhibit 74

**En Banc Decisions**

**Assessing Ogilvie, Almaraz/Guzman**

- Litigation could increase significantly.
- Work restrictions addressed by the medical legal evaluator.
- Actuaries & Claims administrator should:
  - ✓ Determine the number of potential case rated by the 2005 PDRS
  - ✓ Evaluate claim inventory: calculate the number of open claims including stipulated and F&A awards
  - ✓ Assess characteristics of medical legal evaluator, the applicant's attorney, and the WCALJ
  - ✓ Await activity by the applicant's attorney

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Exhibit 75

Monitoring California  
Workers' Compensation Reforms:

Is the System Evolving or Unraveling?

Questions?

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