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Nevada State Medical Association

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RALPH J. COPPOLA, M.D., AMA Alternate Delegate
ROBERT LYNN HORNE, M.D., AMA Alternate Delegate
LAWRENCE P. MATHEIS, Executive Director

By Fax (775-684-8533)

May 14, 2003

The Honorable Bernie Anderson
Chair-Assembly Committee on Judiciary
Nevada Assembly
401 S. Carson Street
Carson City, NV 89701

Dear Chairman Anderson:

I made several references during my testimony on behalf of the Nevada State Medical Association (NSMA) regarding Several Medical Promised to follow up.

In responding to a question regarding the medical liability insurance premiums in California, I cited a chart in a report by the U.S. Department of Health and Human Services ("Addressing The New Health Care Crisis: Reforming the Medical Litigation System To Improve The Quality of Health Care"). I indicated that the report stated that the premiums nationally had increased 505% since 1976 while the California premiums had increased 167%. I have attached a copy of the report's title page, the chart (Figure 1) and the discussion, which references these data.

I also referred to a study that was done of New York state data that concluded: "the severity of the patient's disability, not the occurrence of an adverse event or an adverse event due to negligence, was predictive of payment to the plaintiff'. I have attached a copy of the study, which was published in the New England Journal of Medicine (December 26, 1996).

It was necessary for me to leave the hearing immediately after my testimony to appear before the Joint Subcommittee reviewing the State Medicaid budget, but it is my understanding that it was mistakenly stated in subsequent testimony that the Nevada State Medical Association did not support Assembly Bill 320. This is incorrect and the record should reflect that NSMA President-Elect John S. Williamson, MD and I testified in support of AB320 when it was discussed in the Assembly Committee on Judiciary on April 4, 2003. The Nevada State Medical Association continues to support the bill and has never testified or indicated otherwise.

I want to thank you and the Committee for your personal courtesy and for your serious consideration of this critical issue.

Sincerely,

Lawrence P. Matheis
Executive Director

ASSEMBLY JUDICIARY

DATE: 51303 ROOM: 3138 EXHIBIT B
SUBMITTED BY: Larry Madeis

10/10

3660 Baker Lane #101 • Reno, NV 89509 • (775) 825-6788 • FAX (775) 825-3202 2590 Russell Road • Las Vegas, NV 89120 • (702) 798-6711 • FAX (702) 739-6345

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Addressing the New Health Care Crisis:

Reforming the Medical Litigation System to Improve the Quality of Health Care



March 3, 2003

Prepared by

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES Office of the Assistant Secretary for Planning and Evaluation

As Table 7 below shows, there is a substantial difference in the level of medical maipractice premiums in states with meaningful caps and states without meaningful caps. For example, internists in Los Angeles are charged less than one-half of the premium charged internists in Ft. Lauderdale and Miami. General surgeons and obstotrician-gynocologists in Fiorida are charged three to four times as much as their paers in California.

In each instance, the premiums in California are less than those charged to specialists in non-reform states. The success of California, and other states that have taken similar actions to rein in the excesses of the litigation system, is not accidental. It is a result of a willingness to confront the problem and enactive reforms. In the early 1970s California faced an access crisis like that facing many states now. With bi-partisan support including leadership from Jerry Brown, then Governor, and from Henry Waxman, then chairman of the Assembly's Select Committee on Medical Malpractice, California enacted comprehensive changes to make its medical liability system more predictable and rational. The Medical Injury Compensation Reform Act of 1975 (MICRA) made a number of reforms, in particular:

- Placing a \$250,000 limit on non-economic damages while continuing unlimited compensation for economic damages.
- Shortening the time in which lawsuits could be brought to three years (thus
 ensuring that memories would still be fresh and providing some assurance
 to doctors that they would not be sued years after an event that they may
 well have forgotten).
- Providing for periodic payment of damages to ensure the money is available to the patient in the future.

California has more than 25 years of experience with this reform. It has been a success. Doctors are not leaving California. Insurance premiums have risen much more slowly than in the rest of the country without any effect on the quality of care received by residents of California. Insurance premiums in California have risen by 167% over this period while those in the rest of the country have increased 505%. 98

States that do not have the benefit of reforms like California's will continue to experience larger payments for non-economic losses, larger settlements, higher premiums, and reduced access to care. The National Association of Insurance Commissioners—the organization of the state insurance regulators—is concerned about the premiums charged by medical malpractice insurers—concerned that they are too low. Referring to the amounts paid out on claims and defense costs, the NAIC recently warned, "Because of extremely high loss ratios in many states, regulators concerns have been with rate inadequacy, and not excessiveness or unfair discrimination."

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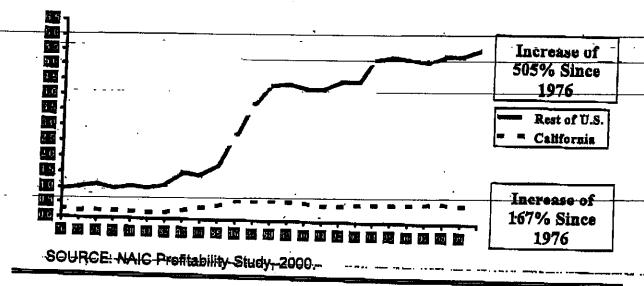
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	والإزالة والمنازع فسناني أروانا		
State Wide Data	عليوري كالمحرو		ing the State of t
Wisconsin			
Montana	\$350,000	\$4,500	\$6,000
Utah	\$250,000	7,000	7,900
Hawaii	\$250,000 \$350,000	7,900	10,800
Connecticut		7,100	7,100
Washington	No cap No cap	7,400 6,700	13,800
Metropolitan Area Data	, HO CED	0,700	9,800
California (Los Angeles area)	\$250,000	\$8,800	624 200
Pennavivania (Urban Philadelphia area)	- No cap	11,000	\$21,200 12,000
Nevada (Las Vegas area)	No cap	17,400	23,600
Illinois (Chicago area)	No cap	19,900	31,700
Florida (Mlami and Ft. Lauderdale areas)*	No cap	28,800	56,100
itate Wide Date	and the second	1 m gy 1 m m	
		-	
Wisconsin (state wide) Montana (state wide	\$350,000	\$16,000	\$19,300
Utah (state wide)	\$250,000	21,900	31,400
Hawaii (state wide)	\$250,000	35,500	39,100
Connecticut (state wide)	\$350,000	25,800	25,800
Washington (state wide)	No cap	36,900	43,400
etropolitan Area Data	No cap	20,100	35,200
California (Los Angeles area)	9050.000		·
Penneylvania (Urban Philadelphia area)	\$250,000	\$30,700	\$49,400
Nevada (Las Vegas area)	- No cap	50,100	104,400
Illinois (Chicago area)	No cap	59,800	85,100
Florida (Miami and Ft. Lauderdale areas)*	No cap	63,600	75,600
[[[]] [[]] [[] [[]] [[] [[]] [[] [[] [[110 000	95,500	174,300
ate Wide Data	and the state of t		
Wisconsin (state wide)	\$350,000	\$21,500	\$27,800
Montana (state wide	\$250,000	33,900	52,200
Hawaii (state wide)	\$350,000	42,800	42,900
Utah (state wide)	\$250,000	48,900	60,000
Connecticut (state wide)	No cap	69,500	95,000
Washington (state wide)	No cap	30,900	51,900
propoliten Area Data			
California (Los Angeles area)	\$250,000	\$54,600	\$65,400
Sannsylvania (Urban Philadelphia area)	No cap	84,300	116,400
Nevada (Las Vegas area) Illinois (Chicago area)	No cap	93,200	141,800
Fiorida (Miami and Ft. Lauderdale areas)*	No cap	102,400	110,100
urce: Madical Liability Manifer Ontal - 2000	No cap	136,200	210,500
urce: Medical Liability Monitor, October 2002:	STOOK, Hardy, Baco	n, L.L.P., Octo	ber 9, 2001.
orida imposes cape of \$250,000-350,000 unles defendant refuses to arbitrate. Florida is not co	e usimer barry dem	ends binding s	urbitration or

Page 25

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The litigation system must be reformed to protect Americans' access to high quality health care.

FIGURE 1. Premium Growth: California vs. U.S. Premiums 1976-2000 (Billions of dollars)



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NEGLIGENT ADVERSE EVENTS AND THE OUTCOMES OF MEDICAL-MALPRACTICE LITIDATION

Special Article

RELATION BETWEEN NEGLIGENT ADVERSE EVENTS AND THE OUTCOMES OF MEDICAL-MALPRACTICE LITIGATION

TROYEN A. BRENNAN, M.D., J.D., M.P.H., COLIN M. SOX, B.A., AND HELEN R. BURSTIN, M.D., M.P.H.

ABSTRACT

Background We have previously shown that in New York State the initiation of malpractics suits correlates poorly with the actual occurrence of adverse events. (injuries resulting from medical treatment) and negligence. There is little information on the outcome of such lawsuits, however. To assess the ability of malpractice litigation to make accurate determinations, we studied 51 malpractice suits to identify factors that predict payment to plaintiffs.

Methods. Among-majoractice claims that we reviewed independently in an earlier study, we identified 51 litigated claims and followed them over a 10-year period to determine whether the majoractice insurer had closed the case. We obtained detailed summaries of the cases from the insurers and reviewed the litigation files if the outcome of a case differed from the outcome predicted in our original review.

Results: Of the 51 malpractice cases, 46 had been closed as of December-31,-1995. Among these cases, 10 of 24 that we originally identified as involving no adverse event were settled for the plaintiffs (mean payment, \$28,760), as were 6 of 13 cases classified as involving adverse events but no negligence (mean payment, \$98,192) and 6 of 9 cases in which adverse events due to negligence were found in our assessment (mean payment, \$65,944), Seven of eight claims involving permanent disability were settled for the plaintiffs (mean payment, \$201,260). In a multivariate analysis, disability (permanent vs. temporary or nons) was the only significant predictor of payment (P=0.03). There was no association between the occurrence of an adverse event due to negligence (P=0.32) or an adverse event of any type (P=0.79) and payment.

Conclusions Among the maipractice claims we studied, the severity of the patient's disability, not the occurrence of an adverse event or an adverse event due to negligance, was predictive of payment to the plaintiff. (N Engl J Med 1996;335:1963-7.) \$1898, Massachusette Medical Society.

HE accuracy of the lirigation system governing medical malpractice in the United States is widely debated. L2 Many physicians assert that malpractice lirigation is haphazard and that suits are brought with little regard to the quality of the care the plaintiff has received. On the other hand, many advocates for consumers and patients argue that modifications in the law have made it so difficult for patients to prevail in such litigation that meditorious suits often bring little or no compensation to injured plaintiffs.

Empirical investigations have confirmed the views of those on both sides of the debate. Many medical injuries caused by the negligence of a physician, all of which are theoretically compensable under maipractice law, do not result in claims. The same or similar studies have also found that a substantial proportion of claims are brought when the plaintiff is theoretically not entitled to compensation—in.cas. es involving no medical injury and no demonstrable negligence on the defendance are at

In the Harvard Medical Practice Study, we showed that medical-malpractice claims are rarely made after patients are injured negligently. We also found that claims were relatively frequent when, according to our independent review of the medical records, no negligent injury had occurred. We were unable, however, to evaluate the overall ability of malpractice litigation to make accurate determinations, because we lacked information on the eventual outcomes of the cases. We realized that individual claims could be highly inaccurate but the overall system of litigation quite accurate, if it was true that only meritorious claims resulted in compensation, whereas nonmeritorious claims did not, as others have suggested. No

To address these issues, we conducted a 10-year follow-up of the malpractice claims identified in our prior study and analyzed the ability of the litigation to lead to payments on the basis of accurate determinations.

From the Department of Health Policy and Management, Harvard School of Public Health, 577 Huntington Ave., Bosson, MA 62115, where reprint request should be addressed to Dr. Brennen.

Volume 385 Number 26 - 1963

The New England Journal of Medicine

METHODS

Review of Medical Records

Our methods of reviewing records and one sampling strangy have been reported in detail previously. If In brief, we used a two-stage sampling process on develop a representative sample of \$1,429 records of hospitalised patients from a group of 2,671,663 patients not hospitalised for psychiatric diagnoses who were discharged from nonfideral, active care hospitals in New York State charged from nonfideral, active care hospitals in New York States charged from nonfideral, active care hospitals in New York States disting 1984. The records were first screened by trained nurses and headlest-records analysis; records (dennified he the nurses are represented to a servent were reviewed independently by two physicians. An advente event was defined as an injury resulting from medical treatment, as opposed to the underlying disease process, that prolonged a patient's hospitalization, caused disability at the time of discharge, or both. An advente event due to negligence was an injury judged to be due to medical care that falled to meet the standards expected of a typical medical practitioner. If evidence of an adverse event was found, a determination was subsequently made of whether there was evidence of negligence.

Physician reviewers assessed the degree of disability resulting from each medical injury on an eight-point scale, with the review taking places four years after the injury. Thus, the reviewers were able to assess disabilities that may not have been clearly evident as the time of the index hospitalization. The scores on the disability scale ranged from 1 (less than one month of temporary disability) to 8 (death resulting from the injury).

Definition of Variables

Data on each patient's age, see, race, insurer, ZIP Code, and primary diagnosis at hospital discharge were obtained from the data base of the New York Statewide Planning and Research Cooperative System. Il Patients were categorized as insured (if they had private insurance, Medicare, Medicard, other government insurence, or workers' compensation) or timinured.

—Data on median-household-income-in-1984 according to ZIP Code, an indirect measure of income, were obtained from the New York State Commerce Department. Annual income wis, caregorized as low (less than \$21,114) or high (at least \$21,114) on the basis of criteria used by the Bureau of the Census. Four caregories of diagnosis-related groups (DRGs), developed by consensus among physicians, were used as measures of the sevenity of the patient's illness, to control for the inherent risk that a particular diagnosis would give rise to an adverse event.

Fallow-up of Mulpractice Claims

Formal malpractice claims against physicians and hospitals, inciuding all requests for monemary damages, were reported to the Office of Professional Medical Conduct at the New York State Department of Health. The data base of that office included all 67,900 claims reported from 1975 through 1989. The dains the conduct at the conduct and the conduct at the conduct and the conduc

Department of Health. The data base of that other included au 67,900 claims reported from 1975 through 1989. The claims records were then linked to the medical records under review by a matching process described elsewhere. In the sample of 31,429 records, 51 majorardes claims were matched to hospitalizations—47 claims that were identified in our cardier study and 4 that were identified in the follow-up of missing records.

Since 1991, one of us has connected the majorarded insurers every six months about the status of these 51 claims. As the claims have been closed, we have sought a detailed summary of the litigation from the insurer in each case and have reviewed the claims files for eight of the nine cases rated as not involving negligence or an adverse event and in which payments of more than \$25,000 were made. The same study investigator also reviewed the files for all four cases rated as involving medical injuries due to negligence in which no payments had been made. This investigator remained unsware of the classification given each case in our earlier study and evaluated each litigation file to determine whether an adverse event or negligence had occurred. When there was a discrepancy between the original evaluation and the evalu-

ation during follow-up, the investigator also determined whether the case had been settled on the basis of its explicitly nonmedical

the case had been settled on the basis of its explicitly nonmedical features, such as the litigation strategy.

We present settlements in the following six categories: less than \$25,000, \$25,000 to \$49,999, \$500,000 to \$99,999, \$100,000 to \$249,999, \$250,000 to \$499,999, and \$500,000 or above. To keep the insurer' records confidential, we do not give the factor amounts of specific settlements. For the same reason, we do not give details in discussing individual cases. The study was approved by the Einman Subjects Committee of the Harvard School of Public Health.

Statistical Analysis

The primary outcome was the type of settlement (payment we no payment). The predictor variables tested were disability rading, injury rating, type of insurance, race, age, physician's specialty. DMG energory, and income. Disabilities were classified as amporary or permanent. In separate analyses, we created a group of pedents who did not have permanent disabilities by combining those with temporary disabilities and those with no disabilities. Race was classified as black or any other race. Age was cangiorized at less than 21 years, 21 to 59 years, and 60 years or above. Physicians were cangiorized other as obsenticians or neonatologists or as baving any other specialty.

steins were categorized either as obstetricians or neonamlogists or as having any other specialty.

We used the SAS statistical package to determine univariate and multivariate associations with regard to categorical data. Univariate associations between the predictor variables and the type of seridement were determined by two-miled Fisher's exact exts. To analyze the univariate effect of negligence, claims involving adverse events and negligence were compared with those not involving negligence. In a separate univariate analysis, all the claims involving adverse events were compared with the claims not involving adverse events.

Multivariem logistic regression was used to assess independent predictors of settlement. The model included the disability mo predictors of settlement. The model included the disability mains, the injury rating, the physician's specialty, and the patient's rest. DRG-category, age, and income as variables. Odds actorand P values (two-tailed) are presented. Given the limited size of the sample, the findings of the multivarian analysis were confirmed by forward and backward elimination, a process in which variables are eliminated serially from the logistic regression, allowing their relative influence on the results to be tested.

RESULTS

Empiriosi Analysis

Of the 51 malpractice claims, 46 had been closed as of December 31, 1995. Twenty-one were settled with payment for the plaintiff (Table 1). There was one jury trial, resulting in a verdict for the defense. Among the 29 cases we originally identified as not involving adverse events, 5 ramained open at least 11 years after the index hospitalization and 24 had been settled, with settlement for the plaintiff in 10. The mean award was \$28,760 (Table 2).

All 13 cases classified as involving adverse events but no negligence had been closed, with 6 (46 percent) ending in sertlement for the plaintiff. The mean compensation in these cases was \$98,192, an amount greatly affected by one large settlement (Table 2).

The nine cases we rated as involving adverse events due to negligence had also all been closed. Five were settled for the plaintiff, with a mean compensation of \$66,944 (Table 2). Seven of eight claims in which the patient was permanently dis-

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NEGLIGENT ADVERSE EVENTS AND THE OUTCOMES OF MEDICAL-MALPRACTICE LITIGATION

abled were settled for the plaintiff, with a mean settlement of \$201,250.

In univariate analyses, neither the presence of an adverse event nor that of an adverse event due to negligence was associated with the outcome of the litigation. Cases in which there was an adverse event were no more likely to end in a payment than those in which there was no adverse event (P=0.77). Nor

cevent to end in a settlement for the plaintiff (P=1.0). The making of a payment was not associated with whether the claimant had health insurance (P=0.59). There was a trend toward fewer payments among patients with lower income, however; 3 of 13 low-income patients (23 percent) received payments, as compared with 13 of 27 high-income patients (48 percent) (P=0.10). There were no significant associations between payment and the age, DRG category, or race of the patient or the specialty of the physician.

In the univariate analyses, the one factor predicting that patients with adverse events would receive payment was the physician reviewer's rating of disability (P=0.02). The results were similar when we compared patients who did not have permanent disabilities with those who did (P=0.02).

abilities with those who did (P=0.02). In the multivariate analysis, disability (permanent vs. temporary or none) was the only significant predictor of hismaint (P=0.03) (Table 3), a finding confidence by the forward and backward elimination of variables. Neither the presence of an adverse event due to negligence (P=0.32) nor the presence of an adverse event of any type (P=0.79) was associated with payment to the plaintiff. There was still a trend toward fewer payments among low-income patients (P=0.10).

We reviewed summary information from insurers on the sight-case, that were settled for loss shapes \$25,000. Most involved write-offs of expenses for medical care. The rest were one-time payments of small amounts of money. The records contained explicit statements that the cases were being settled in the most cost-effective manner.

Discrepant Cases

Our original findings and the ourcomes of litigation were discrepant in 13 cases. The litigation strategy dictated the results in seven of these, in which the claims were settled without a finding of negligence or injury. Seasoned litigators are likely to settle cases when a key defendant is thought to be a very poor witness, when a key party in the case dies, or when a defendant gives conflicting testimony in different depositions. Even excellent cases can be difficult to win when extraneous issues make the plaintiff or the defendant appear unsympathetic. Or the defendant may delay the case and the plaintiff may die before the case goes to trial.

The dynamics of insurance coverage had a role in Table 1. Findings in 46 Closed Cases Involving Malpractics Claims.

	No.	AT INJUNY (YA)	SCORE	TYPE O	man Harmanama Harasa dak		
		the managed (Lib)	OCCUPA-	PERMIT	et Payment Plance (B)	•	
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	14	63	0	Madicare	100,000-249,999		
	16	26	0	Privace	<25,000		
	16	29	0	Private	Ó.		
	17	19	0	Medicald			
	18	54	٥	Private	<26,000		
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	33	57 64	0	Privace	250,000 ~499,999		
	33		0	Private	0	•	
	24	63 1	0	Medicure	0		
	25	44 33	0	Private	Ö		
	26	66	0	Mediculd	<25,000		
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	Ø.	10	Name of the Party	Uninsured	U	-\n	
	89	64	3	Private	ŏ		
	40	57	4	Primate	ă		
	41	61	7	Private	100,000-249,999		
	43	62	5	Private	25,000-49,999		
	43	52	7	Private	<35,000		
	441	29		Private	0		
	45	21	1	Other	100,000-249,999		
_	46			Zivus	100,000-340,000		
	u24						
	W7751?-	- CIII					

"The distility stores were defined as follows: 1, comporary disability for less than one month; 2, comporary disability for one to three months; 5, comporary disability for more than three months to six months; 4, comporary disability for more than six months; 5, command permanent disability; 5, moderate permanent disability; 7, permanent support needed; and 8, desth.

1"Other" danous workers' compensation or government invarance other Medicare and Medicald

This case was the only one of those studied that was decided by a jury

Volume 335 Number 26 . 1985

The New England Journal of Medicine

Table 2. Disposition of Claims According to the Rating of the Plainting's import and Degree of Disability.

RATING	No. or Closed Cases	SUTTLED FOR PLANTING	Myan Settlement
		no. (%)	\$
Type of injury			
No advants avent	24	10 (42)	28,760
Advicte great	13	6 (46)	98,192
Negligent adverse event Disability	9	s (sa)	66,944
None	24	10 (42)	28,760
Distribution	14	4 (39)	38,857
Permenent	8	7 (88)	J01,350 -
	46	21 (46)	55,858

Table 3. Locatic Regression Analysis of Paedictors That a Claim Would Be Settled in Favor of the Plaintef.

President b	Code Flatic (86% confidence Interval)	P Value
Permanent disability	29.7 (1.41-621.4)	0.03
Pegligant servere event	0.7 (0.01-4.1)	U.32
Adverse event	0.7 (0.1-7.1)	0.79
Low income	0.1 (0.0-1.5)	0.10
Black mor	1.0 (0.1-15.0)	0.97
<21 yr >59 yr	0.6 (0.0–10.6) 1.8 (0.3–17.5)	0.73 0.61

"The comparison groups ware no permanent dissbility, no adverse event, high income, non-black race, and ago of 21 to 19 years. We also controlled for the DRG category as a measure of the severity of disease, and for the specialty of the physician. These variables are further defined in the Methods section.

the settlements in three discrepant cases not involving negligence or injury. For example, a case can be settled if two insurers — such as a malpractice insurer and an automobile insurer in a case involving a malpractice claim brought by a patient originally injured in an automobile accident — reach an agreement on how to share the payment, and the payment required of the malpractice insurer is much less than that requested by the plaintiff Insurers may also settle claims, especially claims initiated in the mid-1980s, in situations in which the excess-liability insurer of the malpractice insurer (the reinsurer) has gone bankrupt and the malpractice insurer does not wish to incur the risk of a large loss.

Serious injuries can lead to settlements even when there is no negligence, as happened in one case involving a neurologic injury that followed a vascular procedure. In that case, the patient's injuries were so

serious that the insurer thought the jury would compensate the patient, even though the medical care met the expected standard. Finally, in two cases certain medical records were unavailable to our reviewer but available to the litigants, and in both cases the finding differed from our original assessment.

es the finding differed from our original assessment. If we reclassify these last three cases so that two are considered to have resulted from adverse events due to negligence and the third is thought not to have involved an adverse event (and we adjust the disability ratings appropriately), the mean settlement for claims not involving adverse events is \$23,552. For claims involving adverse events; the mean settlement is then 531,375, and for claims involving negligent adverse events it is \$162,750. In a multivariate analysis of these data, neither the presence of negligence (P=0.59) nor the presence of an adverse event (P=0.92) was predictive of payment. Permanent disability remained predictive, however (P=0.02).

DISCUSSION

The malpractice cases we studied are typical of those litigated in the United States in the past decade. Approximately 40 percent were settled with some payment to the plaintiff. One went to a jury trial. The average settlement was just over \$40,000.

These figures are in line with national estimates, 214

Our physician reviewers performed independent assessments of the medical records relevant to each litigated claim. The results of these follow-up assessments of whether negligence or a medical injury had occurred 10 years earlier bore little relation to the outcome of the claims, just as in our earlier study they were found to bear little relation to the initial decision to file the claims. We found that the severity of the parient's disability was predictive of payment to the patient. Earlier studies of this question have had mixed conclusions. Sloan had similar findings regarding patients recovering from injuries received during neonatal and emergency care. Taragin and coauthors found, after studying insurers' case abstracts, that disability did not predict payment. 15

abstracts, that disability did not predict payment. If Our previous analyses suggested that patients with high incomes are more likely to file malpractice claims. It in the current analysis, high income was not a significant predictor of payment, although there was a trend in that direction (P = 0.10). This outcome seems sensible in view of the dynamics of litigation. A poor person may have difficulty securing an attorney, but after the attorney is found, income may no longer be an important determinant of payment. It is possible that claimants with lower incomes would receive smaller payments, but our set of data was no small to answer this question.

We treated the hitigation file as the gold standard by which the claims should be judged. In our experience, these confidential records contain the insurers' homest assessments of the patients' indusing

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when the insurers vigorously pursue a litigation strategy at odds with those assessments. It would not be useful to the insurer to indicate that no negligence had occurred when the evidence suggested the contrary. In most cases, our initial assessments of the medical records agreed with the expert assessments by the insurers. There were only three cases in which our initial judgment based on the insur-ance file disagreed with the later decision recorded in the litigation file. Reclassifying these cases did not change our main findings.

Our review uncovered examples of the "art" of litigation. In some cases there were substantial settlements only because the physicians in question would have made poor witnesses; in others, there was a tenacious defense even though negligence was privately acknowledged; and in still others, the cases were prolonged as part of a legal strategy. Such maneuvers are accepted as part of the art of lirigation. Nonetheless, they raise questions about whether tort law is the most effective system of compensating injured patients and creating rational mechanisms of preventing injuries.

Our results call into question why the U.S. tort system persists in making determinations of negli-gence when compensation for medical injury is being considered. If the permanence of a disability, not the fact of negligence, is the reason for compensation, the determination of negligence may be an expensive sideshow. It may pollute the compensation
process by creating an adversarial atmosphere and may interfere with quality-improvement efforts.16

The determination of negligence does have the advocates, however. Drawing on studies showing that defendants are more likely to settle cases that they believe involve negligence. White has argued that using this criterion creates incentives for high-quality care.17 Studies supporting this approach have relied on case summaries prepared by physicians, hospitals, and their lawyers¹⁶; computerized summaries from insurance companies¹⁸; or case abstracts completed by anestherists and based on closed claims files.19 It makes sense to expect a relation between insurers' decisions about the defensibility of the care provided and payment to plaintiffs.

The real test of the use of negligence as a criterion in litigation is its ability to prevent unsafe medical practices, an issue very difficult to address through research. 30 Studies that have tried to measure deterrence have been largely inconclusive. 47 Overall, empirical evidence does not strongly support using the negligence standard to prevent medical injury.

There are several limitations of our study. It is based on only 46 settled cases. Our findings could reflect only litigation practices in New York in 1984 and may not be generalizable. We are conducting a similar study in October 1984 and provided in Section 2015 and June 1984 and provided in Section 2015 and June 1985 and June 19

these findings. Finally, we did not review all discrepant records in detail. Our discussions with insurers indicated that settlements of less than \$25,000 were nuisance settlements - settlements of claims thought to be without merit that could be resolved with a relatively small payment. We did not corroborate this with plaintiffs' attorneys, however.

Nonetheless, our results suggest that the standard of medical negligence performs poorly in malprac-uce lingarion. Some states have undertaken reforms¹¹ involving no-fault compensation for medical injuries, and others are exploring such reforms.22 These projects should be carefully evaluated; they may be better than the present system at compensating injured patients and deterring preventable injuries.

Supported by the Harverd School of Public Health. The original study was funded by the Department of Health of the State of New Rock and the Robert Wood Johnson Foundation.

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