CALIFORNIA INSTITUTE OF TECHNOLOGY

Division of the Humanities and Social Sciences Pasadena, California 91125

REGULATORY AND NONREGULATORY STRATEGIES FOR CONTROLLING HEALTH CARE COSTS

Alain Enthoven Graduate School of Business Stanford University

and

Roger G. Noll

California Institute of Technology

Prepared for the Sun Valley Forum, August 1977.
Revised for publication September 1977.

Social Science Working Paper
Number 185
October 1977

# REGULATORY AND NONREGULATORY STRATEGIES FOR CONTROLLING HEALTH CARE COSTS

### Alain Enthoven and Roger Noll

Health care is one of the most rapidly growing parts of the American economy. Real age-adjusted per capita spending on health care rose 55 percent from 1965 to 1975. The largest single part of this increase is accounted for by hospitals. Between 1965 and 1975, real age-adjusted per capita spending on hospitals increased 80 percent. By 1976, spending on hospital care reached \$55.4 billion or 40 percent of total health spending. Consequently, the principal focus of public discussion of health care costs has been on hospital services. Recently, the debate has centered on the use of new medical technologies by hospitals and excessive use of hospitalization, especially for surgery and diagnostic testing.

tions. One might be that consumers can now buy better health than they could in the past. Higher incomes enable consumers to purchase more medical care, just as higher incomes lead to increased consumption of other goods and services. Technical developments that make health care services more effective in treating illness also increase the demand for medical services. If these factors were the primary force driving

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Health Maintenance Organizations (HMOs) and control groups served between Medicaid beneficiaries who are served by group practice health care services among similar populations without any apparent have noted wide variations in the per capita consumption of certain produced a corresponding improvement in the overall health status large spending increases of the past decade do not appear to have up medical expenditures, a rise in medical expenditures should be фy significant difference in hospital and surgical utilization rates morbidity and mortality. associated with status, number of chronic conditions, or disability days per month.  $^{7}$ the study groups and their controls in terms of perceived health fee-for-service physicians, with no significant difference between population, in medical need or health status. improved health. at least as measured by aggregate indicators of Bunker, 4 Lembke, 5 Wennberg, 6 and others One cause for concern is Gaus found a large and that the

Another cause of rising expenditures could be that medical care improves the quality of life in ways not measured by aggregate statistics on health status. While this may be important, it is not readily measurable, and, in any event, the rising public concern about increases in medical expenditures suggests that at least some of these gains in the quality of life are probably not worth the costs.

care 9 in 1950 to hospital costs paid directly by consumers declined from 49.6 percent created by total expenditures appears to lie in the incentives that have been health 8.9 percent in 1976. changes in the way services are paid for. third, probably most important cause of rising medical care costs; by 1976, In 1965, government paid 24.5 percent the share was ďn 03 The share 42.2 percent. 9

> of services consumed by target groups such as the elderly and the poor. per capita spending by the rest of the population for of medical services provided to these target groups. government has succeeded in increasing substantially the amount Medicare surprising that health care spending has increased faster than total net increase in The source of increased care for target groups was intented to be a The main purpose of the government programs was Medicaid, income; indeed, had the results been otherwise, such programs reduced care for the remainder of the population. the 23.2 million Medicaid recipients that nearly and Medicaid could only be deemed as failures. for example, made per capita expenditures on medical care real resources devoted to health care, rather than to increase the 10 So equalled average In 1976 it is But as amount

The insulation of the patient from the direct financial consequences of hospital treatment eliminates most of the incentive that a doctor or patient might have to make sure that treatments are worth their cost. To the extent that providers and patients respond to financial incentives, treatments of low or uncertain value will be applied more frequently if neither the patient nor the doctor is financially responsible for the costs.

In theory, government or private insurers could try to prevent spending on medical care of low value by carefully monitoring the diagnosis and treatment of each patient and reimbursing only expenditures for treatments of significant medical value. Such close monitoring would require substantial administrative expenditures and much second guessing of professional decisions. Even if the costs of such an endeavor were worthwhile, private carriers would have little to

experience rated, so, in effect, the cost of additional claims gain from undertaking them. government and employers tend to evaluate the efficiency of claims physicians, assessing the necessity of medical treatments is might refuse to cooperate, or indeed even decline to accept patients monitoring treatment increases administrative cost. In any case, if administrative cost, not by success in overall cost control, and processors by the percentage of premium revenue that is absorbed by one company were impossible task with policies from that company. passed on to the group paying the premiums. to attempt such a procedure, medical professionals In most cases, insurance premiums are Without the cooperation Moreover

weaker than the position of insurance companies. Since patients care of patients is in some respects stronger and in other respects tolerate massive refusals to serve patients whose bills it has cooperation among providers in order to obtain service, and cannot a provider. therefore, can have a greater impact on the economic viability of purchaser to allow a particular cost. Moreover, government is a much larger of extracting payment from the patient should the government refuse aided by government are generally poor, providers have little chance designed to prevent favoritism and fraud that constrain the use promised to from well-focused provider interests individual judgment. of medical care than any private insurer, and its decisions, The position of the government in trying to monitor the pay. Nevertheless, government, too, must depend on voluntary Moreover, government is bound by procurement rules, These rules are influenced by political pressure

> 0f expenditures on medical services yielding little benefit. that have a low or uncertain marginal value. Thus, reimbursement be expected the costs of alternative treatments, standard medical practice can face essentially the same pattern of weakened incentives to consider spending on both government and private insurers rely on physicians to determine treatments and to establish peer review as the mechanism to curb the costs of Because of the difficulties of effectively monitoring treatment, to include an ever growing array of accepted procedures treatments of no value. Because all doctors and patients standard treatment will lead to ever increasing

use of a policy of the third type interest to provide good quality but cost-effective care. producing their natural effect. The third is to restructure the on medical services. 12 effectively controlled in thesis of this paper is that spending on health services cannot be financial incentives facing providers so that they delivery and payments system in a manner that alters the basic regulation on providers in an attempt to prevent the incentives from third-party intermediary system, increasing expenditures in the fee-for-service, cost reimbursement, patient so that consumers will have much more incentive to economize increase greatly the share of medical costs that is paid by problem of rising health expenditures have been proposed. One is To date, three generic types of policy responses to the A second is to leave intact the incentives for the present political context without the but to impose economic and technical find it in their The main ťo

# RELIANCE ON CONSUMER COST-SHARING

The first alternative, placing the whole burden of economizing

on patients by greatly increasing the extent of consumer cost-sharing. regardless of financial loss, is to guarantee all citizens access to needed care, programs, besides providing additional protection against serious to prevent serious financial loss, and population to at lower income groups, it would also reduce the access of the target of major illness. risk that a family would suffer serious financial loss large increase in deductibles and coinsurance rates would increase the both private insurance and public policy towards medical care. is not practical because it is incompatible with the objectives ability to pay medical care. When applied to government programs that are Of course, the purpose of insurance is the purpose of the governmen. in the Ά aimed of

point, the incentives in the fee-for-service, cost-reimbursement, thirdwhich all or practically all will be paid by insurance. political climate, any policy emphasizing more coinsurance inevitably aries failed to attract a single Congressional sponsor. In the current and Ford Administrations to increase cost sharing by Medicare benefici-The evidence suggests that Americans are not yet ready to accept this off between an equitable and an efficient health care delivery system society has picked an overly generous point along an immutable trademuch greater share of medical care expenditures is to conclude that party intermediary approach to conclusion. To adopt a system in which patients must pay directly a cost control is the fact that recent proposals by the Nixon A good indicator of the political acceptability of this upper limit on a family's health care spending above system would continue to work as before. Αt that The effect

> b as long-term hospitalization) that probably are already accounting reallocation of health care resources towards categories of care (such financial device for reassigning risks; it would also mean a further means even less emphasis on activities that can help prevent disease catastrophic care to an even greater extent than is would for too high a share of health care expenditures care that offers and shift to a system of catastrophic insurance would not merely be a add significantly to the quality of life, and more emphasis on be to pull medical care resources out of primary care and into small net marginal benefits at very great cost. Thus, the case today. This

REGULATIONS AS A SUBSTITUTE FOR APPROPRIATE ECONOMIC INCENTIVES

inevitable in

health care.

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grossly inappropriate financial incentives, or will it merely modify debate over regulation is not a matter of all or none. The key being appropriate? the direction of socially desirable forms of competition? Will it attempt to overcome incentives in the system, or is it to channel those forces into lation to stop or reverse the forces determined by the basic financial issue regarding medical care costs is this: is the purpose of regumerely attempt to channel the stream in its downhill great deal of regulation is financial incentives that are already close to Will regulators attempt "to make water run uphill," course?

attempts either to change regulatory rules to their benefit or evade them. regulated firms will make judgments about the benefits The significance of the distinction is this. If a regulator attempts to make the regulated behave in and The managers of. St.

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This section focuses on the consequences of attempting to use regulafinancial survival of firms, and can manage these cases by exception fewer skillful attempts to evade regulation, for the simple reason expect fewer, less ferociously battled attempts to change the rules regulated of changing or evading the rules is small, then one at the margin in such a way that the financial benefit to regulators attempt merely to modify the behavior exceptions to their general policies. individual cases and subject them to continuing pressure to grant entities will have a strong incentive to attempt to bend, fight or way that is directly opposed to their financial interests, regulated tion as a substitute for appropriate financial incentives In this case, regulators are rarely if ever directly threatening to that there will be less potential gain if these strategies succeed evade regulations. This will force regulators to deal with many If, on the other hand, the of the regulated the

properly regarded as terms of a contract between a purchaser and of regulation are as follows. First, the regulatory authority is not 0f referee of transactions between other parties. requirements and the substantive purpose of the regulation. The two key characteristics vendor. recipients party to the transactions it regulates. transactions that is characterized by its procedures as well ý While these controls are likely to be subject to the purchaser of are not, used here, regulation refers to a type of social control cost reimbursement formulas for Medicare or Medicaid in this sense, regulations because they the service. These controls are Instead, it acts as the By contrast, eligibility the same as

> stake in the outcome. Consequently, the agency is directly accountable development and promulgation is by an agency with a direct budgetary and subsidies do not have such elaborate procedural requirements. latory proceeding. may review a decision if it is appealed by a participant in the regumust be submitted in support of each decision, and that the courts features of these rules are that decisions must be based on evidence fact in the Administrative Procedures Act of 1946. rules that were developed from case law and formalized after for the financial implications of its decisions, whereas a regulatory kinds that is of political and legal problems that plague regulation, their is presented in not. Second, regulation is operated according to procedural By contrast, conditions on government purchases formal proceedings, that substantial evidence The most important

0f vention in part dependent on the structure of the regulated industry regulated entities grows, making the wisdom of regulatory intertime consuming. Moreover, the expense is greater as the number The formal procedures make the regulatory process expensive

firms, both approaches have important weaknesses each to all firms in separately with each by writing general rules to simplify cases or to apply directly firm (the rule-making approach). An agency can regulate an industry either by dealing the industry without using individual proceedings for firm or each market (the case approach) In an industry with numerous

all with different participants, evidence and proposed decisions. situation in which many proceedings are underway simultaneously, case approach ť regulating numerous entities produces

Because participation is costly, groups whose welfare is affected by many pending cases may not be able to afford to be represented in all proceedings. Yet, because policy is developed by precedent, each case can have important effects on cases involving completely different sets of producers and consumers. Moreover, the case approach undermines the development of consistent policy. Each decision depends on evidence presented in that case, and evidence is bound to vary from proceeding to proceeding. Evidence and policies developed in one forum will diffuse slowly into other proceedings because of the informational problems that participants face in attempting to track the progress of many simultaneous cases.

making proceeding usually threatened with extreme financial pressures, perhaps even bankruptcy are heterogeneous. If the industry displays this heterogeneity, some instances of inefficiency appeals through the federal court system. Moreover, general rules, rendered -- not counting the additional years normally lost in inevitable making proceeding, because it directly affects the welfare of many and the procedural safeguards of administrative law serve exceptions procedures. unaffected they are forced to comply. will not find regulatory rules binding, while others will be upon average conditions in an industry, will produce specific normally will have many participants. Consequently, a rule-The rule-making approach also presents problems. by regulation, the latter are likely to be provided with The escape valve of an exceptions and inequity whenever firms and markets takes several years before a decision is While the former are likely to remain the same

> a case-by-case basis, so that the extent to which an agency can rely by instituting a mechanism which insures firms against failure and, needed service! But it also blunts the effectiveness of the agency or the regulation of prices or product quality in an industry in it by one more phase. embarrassment of protecting consumers so well that some are denied equity objectives. which all firms produce identical products at identical costs from the imposition of informational requirements on the same industry regulation of price or product quality in a heterogenous industry than with numerous pleas for exceptions are more likely to result from the the regulations on their financial health. Protracted proceedings homogenity among the regulated entities and the direct effect of rule making as its main policy weapon depends on the degree of any case, serves to drag out the regulatory process by extending The former saves the regulator from In addition, exceptions are always decided on

The cost and effectiveness of regulation also depend upon the complexity of the required information. The more complicated is the regulated activity, the more technical and detailed is the evidence that is submitted into the regulatory process. Complex information requires a more time-consuming process as well as greater costs for preparing, interpreting, and evaluating the data.

The problem is compounded if the objectives of regulation are themselves complex and lacking in concreteness. For example, "truth-in-packaging" regulations that require honest and complete revelation of the components of a product are easier to develop than are minimum standards of product quality. The latter are less

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judicial appeal. susceptible to objective determination and as a result require more will provide. Once these are determined, the easier tasks are utilities is sophisticated, the most difficult issue is determining careful and complete evidentiary proceedings in order to withstand broadcasting, it is comparatively easy to determine whether a firm limits the ability of the firm to capture monopoly profits. Or, in calculate allowable costs and to develop a structure of prices that the quality of service and monopolies is always difficult because the technology of public Communications Act demands, whether the service provided by a broadengages in fraudulent billing practices or broadcasts at the assigned caster serves the needs and interest of the community frequency and power, but far more difficult to ascertain, Similarly, while regulation of public utility the redundancy of capacity that the firm as the

Even in the absence of the complexities discussed above, regulation has proved to be of limited effectiveness as a mechanism for the social control of industry. 13 The procedural requirements of regulation give relatively well-represented groups with high stakes in the outcome a distinct advantage in influencing regulatory decisions, and the political obscurity of regulatory agencies tends to make them vulnerable to requests for special favors from politically active groups.

As a result, regulation is normally, on balance, beneficial to the regulated industry and harmful to its customers because the former tend to be better organized that the latter. The exceptions generally occur when the interests of consumers and businesses coincide,

the problem. 14 consequences from the industry's products or insufficient incentives informational problem such as a very low frequency of harmful that somehow escaped the notice of an industry, usually due to that are both inexpensive and noncontroversial, but that deal with problems successes of industry-wide safety regulation tend to be regulations pernicious --to their competitors, but relatively ineffective -- indeed, often with "bad actors" whose products are atypically dangerous compared as center of the issues of concern to a mass political movement, such when the industry itself is divided, or when the agency is at for any particular firm to engage in the research necessary to solve environmentalists or organized labor. For example, product safety agencies are generally when setting standards for an entire industry. The relatively effective in dealing the some

Ħ appeal agency actions. constitutes an informal route for a financially troubled entity to lative decisions and informal nonstatutory oversight activities regulator contributed to the problem. A political leader who helps to determine, so that a plausible case probably can be made that the on the verge of financial failure. are especially prone to be protective of regulated entities that are requirements, heterogeneous firms and vague objectives, regulators determine the fate of the firm the cause of a firm's financial difficulties is difficult Í'n When regulation is complicated by sophisticated data the home constituency appears threatened with extinction Politicians can be expected to agency through budgetary actions, legis-When these complexities are be concerned

by regulatory actions. Thus, an agency may be punished by Congress or the Executive if it forces a truly inefficient operation into bankruptcy whenever the rectitude of its position is less than certain, but it faces no concommitant penalty if it offers protection to the failing enterprise.

direct intervention are more likely to exacerbate these problems than attempts to control prices, capacity and the quality of service by of policy that the case approach necessarily entails. or costs of providers -- and thereby to threaten financial loss intervention that promises to have a significant effect on the revenues differ in the kinds and amounts of care they provide and in the treatment physiological and psychological characteristics. Moreover, providers physicians, hospitals, specialized care centers, other independent to ameliorate them (perhaps in the form of exceptions), with all the costs and deflection some -- will take the form of extensive case-by-case decisions they believe to be best for a particular case. Thus, any regulatory large, and the choice of treatment for each depends on individual difficult to define and measure. The number of health problems is likely to be especially difficult to apply to the medical care medical professionals. First, medical care is provided by numerous independent actors For all of these reasons, effective, comprehensive regulation Second, a unit of medical care service In particular, ŀ

In the medical care sector to date, the only economic regulation that has been thoroughly tested is the regulation of hospital capacity, and the results bear out the pessimistic conclusions of

while five others became overbedded during the period studied as of these began the period overbedded and approved additional beds, of their published need projection for five years hence. Fourteen data could be obtained approved hospital beds in excess of 105 percent overbedding. regression techniques, have reached similar conclusions.  $^{17}$ result of the projects they approved. Other studies, using multiple forty-one states and areas which have such controls and for which complete need regulation has not succeeded in controlling the problem of community needs, before an increase in hospital capacity can a regulatory authority must issue a permit, based upon an assessment take place. been giving way to certificate-of-need regulation by states in which area planning authorities. 15 hospitals only if proposals to expand capacity were approved by subsidies for hospital construction were made available control the number of hospital beds since the 1950s, when federal the preceding analysis. The available evidence indicates that certificate-of-For example, a recent study 16 The federal government has attempted In the 1970s, community planning has found that thirty of to

The apparent ineffectiveness of certificate-of-need regulation is consistent with the preceding general description of the problems of regulating an industry as complicated as the health care sector. Regulators can be expected to have great difficulty in defining the appropriate number of beds for a community. Since providers can control occupancy rates, regulators cannot simply rely on observing whether beds remain unused. Instead, regulators must attempt to assess what bed use would be if all patients were given optimal medical care. Since optimal medical care depends on the particular

of the Committee on Controlling the Supply of Short-Term General of the regulated sector, and, in any event, is subject characteristics of a patient, can be defined only by representatives population, the Committee could agree that the nation was overbedded, on a standard experts that, after five years of study, was unable to reach agreement Hospital Beds of the Institute of Medicine, a collegium of health care variations in judgment among medical professionals, reaching a effect on hospitalization. 18 an upper bound -- four beds per thousand population -- which they all practice is all but impossible. a standard below 4.0 leaves much room for disagreement and uncertainty --Northern California, a large prepaid group practice, operates but could not agree on a standard that would have any measureable could agree substantially exceeded the desirable standard. decision on this issue that varies much from existing standard about 1.5 beds per thousand, the inability of the Committee to and improvement in performance by the industry as a whole. United States currently has 4.4 short-term beds per thousand for community bed needs. Considering that Kaiser Permanente This was illustrated by the experience The committee was able to set to wide Because t T find

Even if a target for the overall bed rate could be established, other issues are bound to be raised when a particular hospital applies for permission to expand capacity. Among these are the responsibility to expand service for a particular subset of the population, the desirability of letting a hospital of particularly high quality provide service to a larger proportion of the population, the possibility of bringing an exciting new treatment to an area, and

the certainty of employing more local residents in building and staffing a new facility. Since the relationship of all of these issues to the desirability of expanding a hospital is bound to be fuzzy, regulators are understandably reluctant to appear to be some peculiar form of ogre by preventing the performance of an important public service and the creation of jobs.

rated by federalizing regulation of hospital capacity. But the result would which regulators seek to protect against rising costs (and hence, for were overly generous) or to engage in so many independent decisions legitimate special cases and community problems, unless the formula agency would be forced to grant permits by formula (thereby overlooking literally hundreds of certificate-of-need cases simultaneously. эe to tip hard decisions in favor of cost control. political reasons, the regulators themselves) face weakened incentives (Medicare and Medicaid) or by insurance policies that are experience facilities is likely to be paid by the federal or state government facing regulators. that coherent policy would be unlikely to develop an enormously complex regulatory agency, undertaking to over an area wider than a Health Service Area, the communities The third-party payment system contributes to the problem Since most of the cost of operating unnecessary This could be attacked decide The

Even if capacity regulation were to succeed in controlling the number of beds, it would still be unlikely to have much of an effect on costs. A hospital does not add beds for the single ultimate purpose of having beds, but as an instrument in achieving other objectives such as attracting more doctors, increasing the status of

primarily to an increase in other activities that also raise costs perceives to be good care. the hospital, or improving its ability to provide what the staff tar-baby effect. 20 achieving these objectives, controlling beds is likely to to a most pronounced in a regulated industry with numerous firms, for then latory rules and defeat the purpose of regulation. The problem is continuing strategic actions that fall between the cracks of reguthan attacking causes of a problem. If regulation is severely binding designed, must confine their activities to reacting to symptoms rather regulatory objectives. the form and pace of innovation, but does not effectively achieve regulations, produces regulatory activity that primarily affects lag, when combined with the time involved in issuing effective latest innovative response to existing regulations. the regulator faces a substantial problem just in detecting the demand further regulation. firm, the imagination of entrepreneurial managers generates Regulatory agencies, because of the way they are Because beds are not the only means for This is the familiar regulatory The detection

Regulation to control the adoption of new technologies is not likely to be effective because it is even more susceptible to the same problems that make capacity regulation ineffective. Most new hospital services do not involve the use of expensive new capital equipment; instead they are new combinations and more intensive uses of services already provided. <sup>21</sup> Thus the opportunity abounds for an infinite variety of new technologies that represent changes in the way service is delivered, perhaps including new wrinkles that do not

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constitute a main part of the costs of the entire package of services.

The first job of the regulator in this milieu will be simply to detect the existence of new technologies. In principle, regulators can demand prior approval of technologies, but in practice, because many are rearrangements of existing treatment methods, the definition of a new technology will be fuzzy and, as a legal matter, debatable, so that the detection of new technologies will be an important activity. Because hospitals are so numerous — even large hospitals that are likely candidates for innovation number in the hundreds — detection will be difficult.

been approved or were on order. 23 such rapid diffusion, if more than a couple of years are lost in οf before the service was legally defined as being one? financial losses on innovative hospitals that adopted a new technology should be regulated, hundreds of hospitals already will have adopted finding that a treatment constitues a new technology and therefore detecting a new technology and sustaining through appeal a regulatory apparently accelerating as new companies enter the market. With averaging twenty per month from June 1975 to September 1976, (August 1976) 652 CT scanners were known to be in operation, had United are a good case in point. The first two CT scanning units in regulators in especially difficult straits. the new technology before regulation of it begins. diffusion of new technologies among large hospitals. States were installed in mid-1973. Three years later The problems of the regulator are compounded by The rate of installation Will they impose This places 0r, the if use of CT speed scanners

the new technology is "grandfathered" but prevented from spreading, how will regulators cope with the incentive this creates for substantially more rapid rates of adoption of new technologies (in order to be grandfathered) and with the competitive advantage that grandfathered hospitals will have because they offer a wider array of services? Grandfathering is probably inevitable, but it rewards providers who move quickly to buy a new device before proof of efficacy and evaluation of cost effectiveness, and punishes those who take a more deliberate approach.

technology, the incentives will still guess. medical judgment that regulators are unlikely to be willing to second important economic issue is not whether the technology should ever examples in which it provided great benefit to a patient. Proponents of a new medical technology will provide long lists of encouraged to a point at which they have very low or no marginal value. weakened incentives to economize on medical care, treatments total ineffectiveness. new medical technologies is typically one of overutilization, not of denied -- that it be found to have no medical value. The problem the burden of proof on regulators if a new technology is to be capacity. be used, but how extensively. issues medical technologies. raised above. And once one hospital in a community is allowed to adopt a Most likely, regulators will in fact allow nearly all new This will provide the evidence needed for other hospitals But in part, it is the natural consequence In part, this is the easy solution to Because providers and patients face This is inevitably a tricky issue of be present to use it to of 0 f

to gain approval to adopt it rather than to refer patients. No regulator will deny patients access to a new technology that is known to have effective uses because of arguments in principle that no community should really have to have more than a single hospital with that treatment capacity, and that the hospital having the technology should be convinced that it is being overutilized.

illustrate the essence of the problem facing any politically or after-the-fact cost-effectiveness studies of past regulatory decisions ťο political pressures applied to agencies. When the issue is nature of the connection between expenditures on medical care and costs of medical care directly are two difficulties: medical Recent legislative actions to legalize laetrile in several states former, regardless of theoretical explanations about perverse incentives to resolve uncertainties in favor of the regulated entity. health status, and the incentives that regulators inevitably face responsible person who would attempt to control the technology expenditures on latter arise from the nature of the regulatory process and the life-saving treatment, doubts will be resolved in the heart of the problem of attempting to regulate the possibly unnecessary care versus denial of access favor of the tenuous extra

even its short run such a law might retard Administration to put a cap on hospital revenues is enacted. will be illustrated once again if the recent proposal of the Carter į. likely The significance ţo encounter severe problems in the long run. effectiveness can be doubted. the rate of increase in spending for a while, of these lessons from regulatory experience The Administration Indeed, While

whatever incentive hospital administrations might have had apparently temporary nature of the proposal must further weaken accurately characterized the program as "transitional." already emasculated at birth by the largest possible exception, the and when the cap really starts to bind, all the incentives to grant For the longer run, an exceptions procedure must accompany the program tors may be able to appear to comply merely with bookkeeping changes. management. respond to the controls with fundamental, cost-reducing changes in pressure. increase in spending, some hospitals will find the rule more generous under an across-the-board rule, such as a 9 percent limit on the annual effective provision of needed and valuable services. doctor. if not the provision, of many services from the hospital to regulation by "unbundling" services, such as by switching the billing. wage pass-through that was needed to get labor's approval of the exceptions will be particular circumstances. The latter can be expected to appeal for exceptions based on their fat and punishes those who were especially (Note how this kind of regulation rewards those who were especially they lose the right to a future increase based on present costs than their needs while others will find that it causes extreme financial Regulatory counter-measures will be met by counter-counter Moreover, hospitals will seek to avoid the impact of the further distracting the attention of all from the cost-The former can be expected to take the full 9 percent, In fact, at work. for a year or two, ingenious hospital administra-The courts, if not the regulators, will In fact, this particular proposal was frugal in the base year.) Furthermore The

have to consider these appeals in detail on their merits. While tying up 1000 hospitals in court might not daunt some would-be regulators, temporary restraining orders may by allowing the hospitals to raise their rates while the case is being litigated. Even if the proposal were ultimately successful at controlling total hospital spending at the stated growth rate, there would be no force in the system to motivate efficiency or equity in the allocation or production of services. At best, the hospital industry would simply add only 9 percent annually to its present wasteful and inequitable activities.

such treatments is, of course, to identify them and to make patients s, to information requirements are an important component of the reforms facing patients, providers and third-party payers. Nevertheless, expenditures since it would not alter the structure of incentives regulation is not likely to have much of an effect on medical care ments on providers and third-party payers. By itself, informational evaluate treatments and to define and enforce informational requireand providers aware of the fact. Regulation could be used to serve this purpose. be proposed in care of very low or no marginal value. One element of eliminating As pointed out above, the essence of the economic problem Regulators could be given the responsibility the next section.

In general, effective information regulation is easier to accomplish than is regulation of prices, costs and technology because the former does not have to be burdensome to providers and is less directly related to the financial health of regulated firms --

and to the physical well-being of patients -- than is the latter. The main problem with imformational regulation is that government officials do not particularly like it. For example, although the act establishing the Consumer Product Safety Commission gives equal status to informational requirements and product standards as instruments for reducing injuries related to hazardous products, during the budgetary process Congressional committees have persistently cut back even meager requests for funds to pursue informational strategies. Usually these cuts are accompanied by remarks indicating the lack of faith Congress has in the ability of consumers to absorb and profit from better information on product safety.

Part of the reason for dissatisfaction with informational strategies in safety regulation is the observation that some consumers continue to buy models and brands that are less safe than competing products after better information is provided. An obvious illustration is the survival of cigarette smoking despite the publicity on the relationship between smoking and health. One reason for this behavior, of course, is that people do not single-mindedly pursue the avoidance of risks; another is that safety usually is costly, so that consumers may judge that, after a point, added safety is not worth a higher price

In the area of health care, the role of informational strategies will be quite different, at least initially, than it has been in consumer protection policies. As proposed here, informational requirements in health would be tied to an expansion of the number of options available to consumers for purchasing health care services. Institutional arrangements that provide care at lower costs by

be as effective as more costly alternatives. because of their lower cost if the care provided could be shown to surgical mortality rates, rates and disposition of medical injury Examples might be case fatality the general nature of the information would be data on patient outcomes. standards in health must remain for medical experts to detail, but competitive focus on costs. against an erosion in the quality of care because of excessive beyond existing accreditation and professional review procedures, options with lower cost could be medically effective. In the longer informational requirements would serve to assure consumers that eliminating unnecessary services would be attractive to consumers claims, run, informational requirements would provide additional protection, The specific form of informational rates from heart attacks, adjusted In the beginning,

Informational standards can affect medical expenditures only in conjunction with other changes in the health care delivery system. In particular, consumers must be given a variety of health care programs from which to choose, and some of these must be tied to new institutional arrangements between providers and payers that create incentives for cost control. The burden of the next section is to outline the form these other changes could take.

CHANGING THE STRUCTURE OF THE MEDICAL CARE SYSTEM

The main alternatives to fee-for-service, cost-reimbursement, third-party financing are, first, services provided directly by government with spending determined in the budgetary process, and second,

services provided by cost-effective organized systems (e.g., health maintenance organizations and other systems that create incentives to economize), with total per capita spending determined in a competitive market.

way. For example, at least by civilian standards, the Department hospital days of care for active duty military personnel, 95 per-As utilization data may not refer Military Health Services System. cent of whom are males 18-44, were 1,887 per thousand personnel. of Defense operates and fills far too many beds. In Fiscal 1974, control, but by itself, it has no built-in means for assuring that in workload-based programming may encourage relatively heavy use of the particular conditions of military life; the military and civilian care program whose "output" cannot be measured in any simple and adequate much useful output is produced. in-patient care." California, and tionalized U.S. Military Health the Military Health Care Study tactfully phrased it, the difference is explained by longer stays for the same diagnosis. Top-down budgeting may indeed bring total spending under 559.4 days for nonactive duty beneficiaries of Care Study males age 15-44, compared this to 611.5 to exactly the same thing. This is especially true of a medical Some of this may be explained by 204.8 days for Kaiser Northern days for noninstitu-"the incentives But much the

A recent National Academy of Sciences study of the Veterans Administration system concluded that hospital beds were not located in accord with the geographic variation in demand for hospital care. The study found that about half the patients in acute medical beds, one-third of the patients in surgical beds, and over half the patients

of beds. 25 in be solved without altering these incentives through a fundamental change of rapid and unproductive increases in spending for health care cannot with respect to utilization that are similar to the incentives that workload rather than capitation, government physicians face incentives so problem that government encounters when it tries to provide services specialized medical facilities that were associated with these types job with the budget it has. cutting back service to a subsidized group is politically hazardous, are present in the fee-for-service system. directly to citizens. in psychiatric beds did not require or receive services for the the structure of the medical care system that an agency can strengthen its The Veterans Administration experience reflects a pervasive In the bureaucratic budgeting process Moreover, because budgeting is case for 26 more by doing a πŢ our view, the problem based on

probably must preserve the option for patients and providers to as a in addition to third-party financing, are the continue to operate under these arrangements. method and the use of a personal physician, selected by the patient, patients and providers. system, operates to their financial benefit. system. impose involuntary changes in the prevailing arrangements between gatekeeper to the other elements of the health care delivery one must bear in mind that government seems unable to Any restructuring of considering proposals to restructure the medical change emanates The key features of the existing system, from providers, since the existing system the medical care delivery system Rising medical expenditures are, fee-for-service payment In part, this

after all, the source of rising income for providers. payment system and the use of the physician as gatekeeper reduces combination of the fee-for-service, cost-reimbursement, third-party their clients to consider costs and by guaranteeing within broad limits the risks faced by providers by eliminating the incentives of that costs will be covered Moreover, the

providers that have developed over the years and will be reluctant providers. periodically in any event in response to residential changes necessary, so medical care sector is to be significantly improved, changes are provider. part over years of experience. Moreover, the success of medical and services is difficult for a patient to obtain and is gathered in their relationships with providers, especially physicians. Informabut likely to be resisted if involuntary. unsatisfactory services, changes in age or the retirement of induce patients to switch, since switching physicians occurs the superior performance of the alternative can be expected of consumers. changes arrangements. to sacrifice them for the conjectural superiority of alternative treatment may depend on the confidence that the patient has in the tion about the quality and effectiveness of health care providers in the medical Patients, also, can be expected to resist mandated changes For both reasons, patients will The point is that changes are acceptable if voluntary, that any reform depends upon flexibility on the part This is If an alternative set of relationships is developed not to say that patients will not accept care system; indeed, if the efficiency of Thus, value relationships with the best hope to the in

> for upon capitation payments the fee-for-service system and alternative plans that are based restructuring the industry is to facilitate competition between

and cost-effectiveness. So it makes sense to give them the main by far the best qualified to make the difficult judgments about need Physicians control nearly all health care expenditures. they elect a more costly system, they pay the extra costs themselves exercise free choice from among competing systems of care, but if age, sex, and other provide members of a defined population with substantially all responsibility for controlling health care costs, provided that they necessary health services for a fixed per capita payment (based characteristics: use resources efficiently. make these decisions in an environment that generates incentives to A competing, capitation-financed (1) a group of physicians accepts responsibility factors) that is set in advance; and plan has two defining (2) They are consumers on 6

practice style can be compatible with operation within these principles; good service. The competitive market holds them responsible for total spending via Association HMOs, Variable Cost Insurance (VCI) plans, and what it need not be hospital-based, prepaid group practice. the capitation; informational requirements and the freedom of consumers receive more money for providing more or more costly services competing types to switch to an alternative system hold them responsible for giving such a system, the physicians as a group would Wide variations in organizational form and physician of organization, one might find Individual Practice Among the

lower than the rates for similar insured groups.  $^{28}$ attributable to hospitalization rates that are about 30 percent people with third-party insurance. are ten to forty percent lower than the costs of serving comparable six million people at total costs (premium and out-of-pocket) that and providers. develop cost controls that are effective and acceptable to consumers competitive over the long run, these organizations would have to in the practice styles of many providers. But, to be economically arrangements would not need to entail any sudden or drastic change reflect the economic efficiency of the providers. Such organizational customers. by the insurer to deliver comprehensive medical care to the insurer's would be organized by an insurer, and would be associated with Paul Elwood has called Health Care Alliances (HCA). 27 set of hospitals and doctors that have been designated Like an HMO, the premium for an HCA or a VCI plan would Health Maintenance Organizations now serve about Most of the cost savings are An HCA

As argued above, physicians and consumers are accustomed to the fee-for-service, third-party intermediary system and would reject an attempt to change it suddenly and drastically. Nevertheless, if HNOs and other new arrangements are more efficient, they will gradually win out in competition with the fee-for-service, third-party intermediary system if given an opportunity to compete on equal terms. A fair market test for HNOs is hardly a new idea, 29 but it still has not been seriously tried.

To begin to ameliorate (solve being too strong a word) the problems of open-ended government spending and the inflationary

care. 30 subsidies for health insurance, with a system of fixed prospective paying more on plan of their choice. replace its present commitment to fee-for-service, cost-reimbursement, incentives of third-party financing, the federal government should elect it, and to pay the difference out of their own net, after-tax to pay, which beneficiaries are free to have paid to the private capitation payments, related to predicted medical need and ability third-party financing, reflected in Medicare, Medicaid, and tax People who prefer a more costly system would behalf of people who choose a more costly system of In that way, the government would not be bе free to

would be determined by individual health benefits plans in a competitive system might be based on age groups, perhaps divided into ten or based on actuarial categories. A simple, familiar example is capture most twenty year age intervals. categorization by household size -- individuals, couples, and benefits cost, or the average cost per person or per family for covered marketplace. 1 Financial aid for other than Medicare eligibles. A more complex of the predictable variation in medical need. Premiums The government would base its subsidies on actuarial to individuals in Actuarial categories would be chosen to such a system would ьe

For people who are not poor, the Government would eliminate the open-ended tax exclusion of employer contributions and tax deductibility of individual premium contributions. These would be replaced by a refundable tax credit set equal to some

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fraction (somewhere between one-third and two-thirds) of actuarial cost, and usable only for premium payments to a qualified health plan (defined below). This would produce gains in both efficiency and equity. It would replace today's marginal tax subsidy of 30 percent or more to health insurance, with a 100 percent subsidy up to a predetermined amount and no subsidy beyond that. Tax deductions that now provide the greatest subsidy to the best covered would be eliminated, and the resulting revenue would be used to put a floor under the least covered. By raising the after-tax cost of additional health benefits, it would motivate people to shop for more cost-effective health plans.

For the poor, the Government would replace Medicaid with "health plan premium vouchers" that could be used only to pay premiums to qualified plans. The value of the vouchers given to a family would depend upon income, reaching 100 percent of actuarial cost for the very poor. The plan would be means-tested, integrated and administered through a reformed welfare system. The amount given a poor family would be calculated to be sufficient to give them enough purchasing power to pay for a good health benefits plan. Plans would be allowed to compete for the business of the poor by offering additional benefits beyond those required of a qualified plan.

For Medicare beneficiaries, the concept could be implemented by changing Section 1876 of the Social Security Act (which governs payments to Health Maintenance Organizations) to permit each beneficiary to direct that the adjusted average per capita cost for

his actuarial category be paid to a qualified health plan in the form of a fixed prospective periodic payment. A beneficiary could augment this plan by purchasing more comprehensive benefits, but without additional financial assistance, just as today roughly half the Medicare beneficiares buy supplemental insurance. Medicaid supplements to Medicare beneficiaries would be replaced by means-tested vouchers.

The object of these changes would be to make it possible for everyone to benefit from economizing choices by obtaining lower premiums, more favorable cost sharing arrangements, or better benefits from a more cost-effective system of care. That possibility is denied to most people today.

A broad regulatory framework of devices designed to enhance competition should be coupled with the proposed financing system. The purpose of the regulatory framework would not be to stop or reverse the forces created by the basic financial incentives. Instead, the idea is to do as much as possible to create financial incentives that motivate socially desirable behavior and to leave to regulation only an irreducible, unthreatening minimum.

The following regulatory proposals, while not a complete pro-competitive regulatory framework, are advanced to stimulate debate and to indicate in general terms the lines that ought to be examined more thoroughly. The following are suggested requirements for a program to be qualified to receive the tax credits, vouchers, and Medicare capitation payments.

#### Open Enrollment

Each qualified plan would be required to participate in a

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competing plans would help to spread the poor risks. without regard to uninsurable. their chances with risk selection. individual health risks. At some point, health plans will have to take removed because there will always be other sources of variation in from selecting preferred risks can be removed. base their premiums on the same actuarial categories, much of the profit base its capitation payments upon them, and if competing health plans government can do a good job of selecting actuarial categories and services at lower cost, not by selecting preferred risks. enrollment is designed to insure that plans succeed by offering better today, a choice from among several competing plans. Nondiscriminatory or prior health condition. Employees' periodic (e.g., annual) open enrollment, patterned after the Federal Health Benefits Plan (FEHBP), and to accept all enrollees An open enrollment requirement applied equally to all age, sex, race, religion, income, employemnt status, This would give everybody something few have Otherwise, poor risks would But it cannot all If the bе

#### . Community Rating

Competing plans should be required to offer the same rates for the same benefits to all those in a given actuarial category anywhere in a market area. This requirement attacks the incentive to seek out preferred risks and combats other forms of discrimination.

### 3. Catastrophic Limit.

The amount of out-of-pocket payments that a family must make in a year would be limited. The ceiling might be related to

stated limit would be required of all qualified plans. qualified plans for catastrophic costs. of caring for very sick people. less effective and desirable, if at all, and to the overall cost of a complete insurance package, and politically acceptable when applied to consumer-initiated primary care consumer cost-sharing may be one useful tool in motivating economy in terms of consumer incentives from having such a ceiling. While not become additional burdens on the public sector for lack of will not be defeated and that people with serious illnesses will income, and it might be high, e.g., \$2,000. in the use of resources, it is primarily useful and probably adequate insurance. for the limit is to assure that the purposes of health insurance In a capitation-based system, little is lost The federal government might reinsure when applied to the costs But a uniform, clearly The reason much

### 4. Information Disclosure.

and to help consumers judge the merits of alternative plans, and to help assure public confidence in qualified health plans, disclosure of certain information should be required. Uniform financial disclosure should be required, comparable to what the SEC required of public companies. Data on patterns of utilization and availability and accessibility of services should be required, as is now required of HMOs. Each plan should be required to publish the total per capita cost of care by actuarial category, including premiums and out-of-pocket costs. The agency that is designated to determine whether a plan is qualified would have authority to review and approve (for accuracy and

additional coverage beyond the basic plan, with the purpose being included in the booklet available to all during the period balance) promotional materials, including presentations to described in a standard contract with a manageable number of clearly and approve the nature and contract description of enrollment, just as the Civil Service Commission now oversees the worded additions and exclusions. to assure that options either conform to a standard contract or and publish information on the medical qualifications and, to master a lot of fine facilitates direct comparison among plans without the consumer having their terms in a format that is understandable to consumers and that FEHBP. 4 becomes available, for all health benefits plans is possible, these information requirements should be the same The administrative agency would have authority to review the performance of providers. print. Finally, This would force plans to publish the government should gather To options the extent that , as it for of open

# Premium Setting by Market Area.

0fi Program are experience-rated nationally. over a much wider area. the citizens in the regulator's jurisdiction are based on experience costs is the knowledge that the premiums of practice creates Sacramento do not appreciably raise premiums in Sacramento. a local Blue Shield options of regulator to As mentioned earlier, one factor that weakens the incentive serious barrier to competition. make decisions that will reduce health care For example, plans like the Aetna and Blue the Federal Employees Health Benefits So higher costs in, say, many (probably most) The ability of of.

Aetna and Blue Cross-Blue Shield to compete against HMOs for federal employees in Washington, D.C., a high-cost area, is enhanced by the favorable experience of those carriers in low-cost areas, while HMOs have a competitive advantage in low-cost areas. The HMOs, being local, must set premiums that are based solely on local costs. Competition would be enhanced if each carrier were required to set separate premiums that are based on local experience for each market area. One or several contiguous Health Service Areas would constitute a single narket area for this purpose. This device illustrates that appropriate regulation can both enhance competition and improve the balance of incentives bearing on regulators.

Other regulatory policies that now apply to insurers and providers could be incorporated into the new scheme of regulation. Safeguards against fraud and abuse, conflict-of-interest and all forms of discrimination could be a part of the program. In addition, a qualified plan could require that participating providers limit charges to approved fee schedules.

delivery system into competing organized systems. providers for cost-increasing behavior. providers. third-party intermediaries, each paying fees and charges to all if health-care financing continued to be provided exclusively among providers to rules to assure this must be complex because, for example, it might be another competing health plan. succeed, a large fraction of physicians must be allied with The goal of the preceeding program is to reorganize the Open panel insurance programs do not foster competition control costs. Rather, they continue to The design of an appropriate set of For the competitive approach It could be defeated

A beginning along these lines is to guarantee all consumers access desirable for some specialists to work on referral for several plans. about all qualified plans that seek access to their employees over, employers should be required to provide standarized information to membership in any qualified plan of an employee's choosing. Moreto several plans that differ from conventional insurance. But some rules to prevent a noncompetitive outcome would be needed. to full effect. Instead, employer contributions should be applicable two or three plans does not allow the forces of competition to work this is helpful, it does not go far enough, for a choice between HMOs, if available, as well as normal health insurance. While employees are required to offer membership in one or two qualified employers who arrange and contribute to group insurance plans for their Currently

plans would free consumers to choose the plan that, in their judgment, their decision would not continue to be subsidized by the government. the third-party intermediary system would be free to do so, but serves them best. The adoption of a program of compating health care Consumers and providers who prefer to stay with

proposal to create a regulatory authority upon which will be deal with "grandfathering," providing exceptions, or even defining our knowledge, no proponent of regulation of health care technology dumped a general mandate to control medical care expenditures. To what constitutes a new technology. Anyone who advertises a regulatory has yet described the mechanisms regulators are supposed to use to This proposal is not a finished plan. But neither is a

> issues is violating the rules of truth in advertising. scheme as the final word on cost control without addressing these

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