A NATIONAL HEALTH PROGRAM FOR THE UNITED STATES

A Physicians' Proposal

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Abstract Our health care system is failing. Tens of millions of people are uninsured, costs are skyrocketing, and the bureaucracy is expanding. Patchwork reforms succeed only in exchanging old problems for new ones. It is time for basic change in American medicine. We propose a national health program that would (1) fully cover everyone under a single, comprehensive public insurance program; (2) pay hospitals and nursing homes a total (global) annual amount to cover all operating expenses; (3) fund capital costs through separate appropriations; (4) pay for physicians' services and ambulatory services in any of three ways: through fee-for-service payments with a simplified fee schedule and mandatory acceptance of the na-

Our health care system is failing. It denies access to many in need and is expensive, inefficient, and increasingly bureaucratic. The pressures of cost control, competition, and profit threaten the traditional tenets of medical practice. For patients, the misfortune of illness is often amplified by the fear of financial ruin. For physicians, the gratifications of healing often give way to anger and alienation. Patchwork reforms succeed only in exchanging old problems for new ones. It is time to change fundamentally the trajectory of American medicine — to develop a comprehensive national health program for the United States.

We are physicians active in the full range of medical endeavors. We are primary care doctors and surgeons, psychiatrists and public health specialists, pathologists and administrators. We work in hospitals, clinics, private practices, health maintenance organizations (HMOs), universities, corporations, and public agencies. Some of us are young, still in training; others

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tional health program payment as the total payment for a service or procedure (assignment), through global budgets for hospitals and clinics employing salaried physicians, or on a per capita basis (capitation); (5) be funded, at least initially, from the same sources as at present, but with all payments disbursed from a single pool; and (6) contain costs through savings on billing and bureaucracy, improved health planning, and the ability of the national health program, as the single payer for services, to establish overall spending limits. Through this proposal, we hope to provide a pragmatic framework for public debate of fundamental health-policy reform. (N Engl J Med 1989; 320:102-8.)

are greatly experienced, and some have held senior positions in American medicine.

As physicians, we constantly confront the irrationality of the present health care system. In private practice, we waste countless hours on billing and bureaucracy. For uninsured patients, we avoid procedures, consultations, and costly medications. Diagnosis-related groups (DRGs) have placed us between administrators demanding early discharge and elderly patients with no one to help at home — all the while glancing over our shoulders at the peer-review organization. In HMOs we walk a tightrope between thrift and penuriousness, too often under the pressure of surveillance by bureaucrats more concerned with the bottom line than with other measures of achievement. In public health work we are frustrated in the face of plenty; the world's richest health care system is unable to ensure such basic services as prenatal care and immunizations.

Despite our disparate perspectives, we are united by dismay at the current state of medicine and by the conviction that an alternative must be developed. We hope to spark debate, to transform disaffection with what exists into a vision of what might be. To this end, we submit for public review, comment, and revision a working plan for a rational and humane health care system — a national health program.

We envisage a program that would be federally mandated and ultimately funded by the federal government but administered largely at the state and local level. The proposed system would eliminate financial barriers to care; minimize economic incentives for both excessive and insufficient care, discourage administrative interference and expense, improve the distribution of health facilities, and control costs by curtailing bureaucracy and fostering health planning. Our plan borrows many features from the Canadian national health program and adapts them to the unique circumstances of the United States. We suggest that, as in Canada's provinces, the national

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health program be tested initially in statewide demonstration projects. Thus, our proposal addresses both the structure of the national health program and the transition process necessary to implement the program in a single state. In each section below, we present a key feature of the proposal, followed by the rationale for our approach. Areas such as long-term care; public, occupational, environmental, and mental health; and medical education need much more development and will be addressed in detail in future proposals.

COVERAGE

Everyone would be included in a single public plan covering all medically necessary services, including acute, rehabilitative, long-term, and home care; mental health services; dental services; occupational health care; prescription drugs and medical supplies; and preventive and public health measures. Boards of experts and community representatives would determine which services were unnecessary or ineffective, and these would be excluded from coverage. As in Canada, alternative insurance coverage for services included under the national health program would be eliminated, as would patient copayments and deductibles.

Universal coverage would solve the gravest problem in health care by eliminating financial barriers to care. A single comprehensive program is necessary both to ensure equal access to care and to minimize the complexity and expense of billing and administration. The public administration of insurance funds would save tens of billions of dollars each year. The more than 1500 private health insurers in the United States now consume about 8 percent of revenues for overhead, whereas both the Medicare program and the Canadian national health program have overhead costs of only 2 to 3 percent. The complexity of our current insurance system, with its multiplicity of payers, forces U.S. hospitals to spend more than twice as much as Canadian hospitals on billing and administration and requires U.S. physicians to spend about 10 percent of their gross incomes on excess billing costs.1 Eliminating insurance programs that duplicated the national health program coverage, though politically thorny, would clearly be within the prerogative of the Congress.² Failure to do so would require the continuation of the costly bureaucracy necessary to administer and deal with such programs.

Copayments and deductibles endanger the health of poor people who are sick, decrease the use of vital inpatient medical services as much as they discourage the use of unnecessary ones, discourage preventive care, and are unwieldy and expensive to administer. Canada has few such charges, yet health costs are lower than in the United States and have risen slowly. In the United States, in contrast, increasing copayments and deductibles have failed to slow the escalation of costs.

Instead of the confused and often unjust dictates of insurance companies, a greatly expanded program of technology assessment and cost-effectiveness evaluation would guide decisions about covered services, as well as about the allocation of funds for capital spending, drug formularies, and other issues.

PAYMENT FOR HOSPITAL SERVICES

Each hospital would receive an annual lump-sum payment to cover all operating expenses — a "global" budget. The amount of this payment would be negotiated with the state national health program payment board and would be based on past expenditures, previous financial and clinical performance, projected changes in levels of services, wages and other costs, and proposed new and innovative programs. Hospitals would not bill for services covered by the national health program. No part of the operating budget could be used for hospital expansion, profit, marketing, or major capital purchases or leases. These expenditures would also come from the national health program fund, but monies for them would be appropriated separately.

Global prospective budgeting would simplify hospital administration and virtually eliminate billing, thus freeing up substantial resources for increased clinical care. Before the nationwide implementation of the national health program, hospitals in the states with demonstration programs could bill out-of-state patients on a simple per diem basis. Prohibiting the use of operating funds for capital purchases or profit would eliminate the main financial incentive for both excessive intervention (under fee-for-service payment) and skimping on care (under DRG-type prospectivepayment systems), since neither inflating revenues nor limiting care could result in gain for the institution. The separate appropriation of funds explicitly designated for capital expenditures would facilitate rational health planning. In Canada, this method of hospital payment has been successful in containing costs, minimizing bureaucracy, improving the distribution of health resources, and maintaining the quality of care. 6-9 It shifts the focus of hospital administration away from the bottom line and toward the provision of optimal clinical services.

PAYMENT FOR PHYSICIANS' SERVICES, AMBULATORY CARE, AND MEDICAL HOME CARE

To minimize the disruption of existing patterns of care, the national health program would include three payment options for physicians and other practitioners: fee-for-service payment, salaried positions in institutions receiving global budgets, and salaried positions within group practices or HMOs receiving per capita (capitation) payments.

Fee-for-Service Payment

The state national health program payment board and a representative of the fee-for-service practitioners (perhaps the state medical society) would negotiate a simplified, binding fee schedule. Physicians would submit bills to the national health program on a simple form or by computer and would receive extra payment for any bill not paid within 30 days. Payments to physicians would cover only the services provided by physicians and their support staff and would exclude reimbursement for costly capital purchases of equipment for the office, such as CT scanners. Physicians who accepted payment from the national health program could bill patients directly only for uncovered services (as is done for cosmetic surgery in Canada).

Global Budgets

Institutions such as hospitals, health centers, group practices, clinics serving migrant workers, and medical home care agencies could elect to receive a global budget for the delivery of outpatient, home care, and physicians' services, as well as for preventive health care and patient-education programs. The negotiation process and the regulations covering capital expenditures and profits would be similar to those for inpatient hospital services. Physicians employed in such institutions would be salaried.

Capitation

HMOs, group practices, and other institutions could elect to be paid fees on a per capita basis to cover all outpatient care, physicians' services, and medical home care. The regulations covering the use of such payments for capital expenditures and for profits would be similar to those that would apply to hospitals. The capitation fee would not cover inpatient services (except care provided by a physician), which would be included in hospitals' global budgets. Selective enrollment policies would be prohibited, and patients would be permitted to leave an HMO or other health plan with appropriate notice. Physicians working in HMOs would be salaried, and financial incentives to physicians based on the HMO's financial performance would be prohibited.

The diversity of existing practice arrangements, each with strong proponents, necessitates a pluralistic approach. Under all three proposed options, capital purchases and profits would be uncoupled from payments to physicians and other operating costs — a feature that is essential for minimizing entrepreneurial incentives, containing costs, and facilitating health planning.

Under the fee-for-service option, physicians' office overhead would be reduced by the simplification of billing. The improved coverage would encourage preventive care. In Canada, fee-for-service practice with negotiated fee schedules and mandatory assignment (acceptance of the assigned fee as total payment) has proved to be compatible with cost containment, adequate incomes for physicians, and a high level of

access to and satisfaction with care on the part of patients.^{6,7} The Canadian provinces have responded to the inflationary potential of fee-for-service payment in various ways: by limiting the number of physicians, by monitoring physicians for outlandish practice patterns, by setting overall limits on a province's spending for physicians' services (thus relying on the profession to police itself), and even by capping the total reimbursement of individual physicians. These regulatory options have been made possible (and have not required an extensive bureaucracy) because all payment comes from a single source. Similar measures might be needed in the United States, although our penchant for bureaucratic hypertrophy might require a concomitant cap on spending for the regulatory apparatus. For example, spending for program administration and reimbursement bureaucracy might be restricted to 3 percent of total costs.

Global budgets for institutional providers would eliminate billing, while providing a predictable and stable source of income. Such funding could also encourage the development of preventive health programs in the community, such as education programs on the acquired immunodeficiency syndrome (AIDS), whose costs are difficult to attribute and bill to individual patients.

Continuity of care would no longer be disrupted when patients' insurance coverage changed as a result of retirement or a job change. Incentives for providers receiving capitation payments to skimp on care would be minimized, since unused operating funds could not be devoted to expansion or profit.

PAYMENT FOR LONG-TERM CARE

A separate proposal for long-term care is under development, guided by three principles. First, access to care should be based on need rather than on age or ability to pay. Second, social and community-based services should be expanded and integrated with institutional care. Third, bureaucracy and entrepreneurial incentives should be minimized through global budgeting with separate funding for capital expenses.

ALLOCATION OF CAPITAL FUNDS, HEALTH PLANNING, AND RETURN ON EQUITY

Funds for the construction or renovation of health facilities and for purchases of major equipment would be appropriated from the national health program budget. The funds would be distributed by state and regional health-planning boards composed of both experts and community representatives. Capital projects funded by private donations would require approval by the health-planning board if they entailed an increase in future operating expenses.

The national health program would pay owners of for-profit hospitals, nursing homes, and clinics a reasonable fixed rate of return on existing equity. Since virtually all new capital investment would be funded by the national health program, it would not be included in calculating the return on equity.

Current capital spending greatly affects future operating costs, as well as the distribution of resources. Effective health planning requires that funds go to high-quality, efficient programs in the areas of greatest need. Under the existing reimbursement system, which combines operating and capital payments, prosperous hospitals can expand and modernize, whereas impoverished ones cannot, regardless of the health needs of the population they serve or the quality of services they provide. The national health program would replace this implicit mechanism for distributing capital with an explicit one, which would facilitate (though not guarantee) allocation on the basis of need and quality. Insulating these crucial decisions from distortion by narrow interests would require the rigorous evaluation of the technology and assessment of needs, as well as the active involvement of providers and patients.

For-profit providers would be compensated for existing investments. Since new for-profit investment would be barred, the proprietary sector would gradually shrink.

Public, Environmental, and Occupational Health Services

Existing arrangements for public, occupational, and environmental health services would be retained in the short term. Funding for preventive health care would be expanded. Additional proposals dealing with these issues are planned.

PRESCRIPTION DRUGS AND SUPPLIES

An expert panel would establish and regularly update a list of all necessary and useful drugs and outpatient equipment. Suppliers would bill the national health program directly for the wholesale cost, plus a reasonable dispensing fee, of any item in the list that was prescribed by a licensed practitioner. The substitution of generic for proprietary drugs would be encouraged.

FUNDING

The national health program would disburse virtually all payments for health services. The total expenditure would be set at the same proportion of the gross national product as health costs represented in the year preceding the establishment of the national health program. Funds for the national health program could be raised through a variety of mechanisms. In the long run, funding based on an income tax or other progressive tax might be the fairest and most efficient solution, since tax-based funding is the least cumbersome and least expensive mechanism for collecting money. During the transition period in states with demonstration programs, the following

structure would mimic existing funding patterns and minimize economic disruption.

Medicare and Medicaid

All current federal funds allocated to Medicare and Medicaid would be paid to the national health program. The contribution of each program would be based on the previous year's expenditures, adjusted for inflation. Using Medicare and Medicaid funds in this manner would require a federal waiver.

State and Local Funds

All current state and local funds for health care expenditures, adjusted for inflation, would be paid to the national health program.

Employer Contributions

A tax earmarked for the national health program would be levied on all employers. The tax rate would be set so that total collections equaled the previous year's statewide total of employers' expenditures for health benefits, adjusted for inflation. Employers obligated by preexisting contracts to provide health benefits could credit the cost of those benefits toward their national health program tax liability.

Private Insurance Revenues

Private health insurance plans duplicating the coverage of the national health program would be phased out over three years. During this transition period, all revenues from such plans would be turned over to the national health program, after the deduction of a reasonable fee to cover the costs of collecting premiums.

General Tax Revenues

Additional taxes, equivalent to the amount now spent by individual citizens for insurance premiums and out-of-pocket health costs, would be levied.

It would be critical for all funds for health care to flow through the national health program. Such single-source payment (monopsony) has been the cornerstone of cost containment and health planning in Canada. The mechanism of raising funds for the national health program would be a matter of tax policy, largely separate from the organization of the health care system itself. As in Canada, federal funding could attenuate inequalities among the states in financial and medical resources.

The transitional proposal for demonstration programs in selected states illustrates how monopsony payment could be established with limited disruption of existing patterns of health care funding. The employers' contribution would represent a decrease in costs for most firms that now provide health insurance and an increase for those that do not currently pay for benefits. Some provision might be needed to cushion the impact of the change on financially strapped small

businesses. Decreased individual spending for health care would offset the additional tax burden on individual citizens. Private health insurance, with its attendant inefficiency and waste, would be largely eliminated. A program of job placement and retraining for insurance and hospital-billing employees would be an important component of the program during the transition period.

DISCUSSION

The Patient's View

The national health program would establish a right to comprehensive health care. As in Canada, each person would receive a national health program card entitling him or her to all necessary medical care without copayments or deductibles. The card could be used with any fee-for-service practitioner and at any institution receiving a global budget. HMO members could receive nonemergency care only through their HMO, although they could readily transfer to the non-HMO option.

Thus, patients would have a free choice of providers, and the financial threat of illness would be eliminated. Taxes would increase by an amount equivalent to the current total of medical expenditures by individuals. Conversely, individuals' aggregate payments for medical care would decrease by the same amount.

The Practitioner's View

Physicians would have a free choice of practice settings. Treatment would no longer be constrained by the patient's insurance status or by bureaucratic dicta. On the basis of the Canadian experience, we anticipate that the average physician's income would change little, although differences among specialties might be attenuated.

Fee-for-service practitioners would be paid for the care of anyone not enrolled in an HMO. The entrepreneurial aspects of medicine — with the attendant problems as well as the possibilities — would be limited. Physicians could concentrate on medicine; every patient would be fully insured, but physicians could increase their incomes only by providing more care. Billing would involve imprinting the patient's national health program card on a charge slip, checking a box to indicate the complexity of the procedure or service, and sending the slip (or a computer record) to the physician-payment board. This simplification of billing would save thousands of dollars per practitioner in annual office expenses. ¹

Bureaucratic interference in clinical decision making would sharply diminish. Costs would be contained by controlling overall spending and by limiting entrepreneurial incentives, thus obviating the need for the kind of detailed administrative oversight that is characteristic of the DRG program and similar schemes. Indeed, there is much less administrative intrusion in day-to-day clinical practice in Canada (and most oth-

er countries with national health programs) than in the United States. 11,12

Salaried practitioners would be insulated from the financial consequences of clinical decisions. Because savings on patient care could no longer be used for institutional expansion or profits, the pressure to skimp on care would be minimized.

The Effect on Other Health Workers

Nurses and other health care personnel would enjoy a more humane and efficient clinical milieu. The burdens of paperwork associated with billing would be lightened. The jobs of many administrative and insurance employees would be eliminated, necessitating a major effort at job placement and retraining. We advocate that many of these displaced workers be deployed in expanded programs of public health, health promotion and education, and home care and as support personnel to free nurses for clinical tasks.

The Effect on Hospitals

Hospitals' revenues would become stable and predictable. More than half the current hospital bureaucracy would be eliminated, and the remaining administrators could focus on facilitating clinical care and planning for future health needs.

The capital budget requests of hospitals would be weighed against other priorities for health care investment. Hospitals would neither grow because they were profitable nor fail because of unpaid bills — although regional health planning would undoubtedly mandate that some expand and others close or be put to other uses. Responsiveness to community needs, the quality of care, efficiency, and innovation would replace financial performance as the bottom line. The elimination of new for-profit investment would lead to a gradual conversion of proprietary hospitals to not-for-profit status.

The Effect on the Insurance Industry

The insurance industry would feel the greatest impact of this proposal. Private insurance firms would have no role in health care financing, since the public administration of insurance is more efficient^{1,13} and single-source payment is the key to both equal access and cost control. Indeed, most of the extra funds needed to finance the expansion of care would come from eliminating the overhead and profits of insurance companies and abolishing the billing apparatus necessary to apportion costs among the various plans.

The Effect on Corporate America

Firms that now provide generous employee health benefits would realize savings, because their contribution to the national health program would be less than their current health insurance costs. For example, health care expenditures by Chrysler, currently \$5,300 annually per employee, 14 would fall to about

\$1,600, a figure calculated by dividing the total current U.S. spending on health by private employers by the total number of full-time-equivalent, nongovernment employees. Since most firms that compete in international markets would save money, the competitiveness of U.S. products would be enhanced. However, costs would increase for companies that do not now provide health benefits. The average health care costs for employers would be unchanged in the short run. In the long run, overall health costs would rise less steeply because of improved health planning and greater efficiency. The funding mechanism ultimately adopted would determine the corporate share of those costs.

Health Benefits and Financial Costs

There is ample evidence that removing financial barriers to health care encourages timely care and improves health. After Canada instituted a national health program, visits to physicians increased among patients with serious symptoms. Mortality rates, which were higher than U.S. rates through the 1950s and early 1960s, fell below those in the United States. In the Rand Health Insurance Experiment, free care reduced the annual risk of dying by 10 percent among the 25 percent of U.S. adults at highest risk. Conversely, cuts in California's Medicaid program led to worsening health. The Strong circumstantial evidence links the poor U.S. record on infant mortality with inadequate access to prenatal care.

We expect that the national health program would cause little change in the total costs of ambulatory and hospital care; savings on administration and billing (about 10 percent of current health spending¹) would approximately offset the costs of expanded services. 19,20 Indeed, current low hospital-occupancy rates suggest that the additional care could be provided at low cost. Similarly, many physicians with empty appointment slots could take on more patients without added office, secretarial, or other overhead costs. However, the expansion of long-term care (under any system) would increase costs. The experience in Canada suggests that the increased demand for acute care would be modest after an initial surge^{21,22} and that improvements in health planning8 and cost containment made possible by single-source payment⁹ would slow the escalation of health care costs. Vigilance would be needed to stem the regrowth of costly and intrusive bureaucracy.

Unsolved Problems

Our brief proposal leaves many vexing problems unsolved. Much detailed planning would be needed to ease dislocations during the implementation of the program. Neither the encouragement of preventive health care and healthful life styles nor improvements in occupational and environmental health would automatically follow from the institution of

a national health program. Similarly, racial, linguistic, geographic, and other nonfinancial barriers to access would persist. The need for quality assurance and continuing medical education would be no less pressing. High medical school tuitions that skew specialty choices and discourage low-income applicants, the underrepresentation of minorities, the role of foreign medical graduates, and other issues in medical education would remain. Some patients would still seek inappropriate emergency care, and some physicians might still succumb to the temptation to increase their incomes by encouraging unneeded services. The malpractice crisis would be only partially ameliorated. The 25 percent of judgments now awarded for future medical costs would be eliminated, but our society would remain litigious, and legal and insurance fees would still consume about two thirds of all malpractice premiums.²³ Establishing research priorities and directing funds to high-quality investigations would be no easier. Much further work in the area of long-term care would be required. Regional health planning and capital allocation would make possible, but not ensure, the fair and efficient allocation of resources. Finally, although insurance coverage for patients with AIDS would be ensured, the need for expanded prevention and research and for new models of care would continue. Although all these problems would not be solved, a national health program would establish a framework for addressing them.

Political Prospects

Our proposal will undoubtedly encounter powerful opponents in the health insurance industry, firms that do not now provide health benefits to employees, and medical entrepreneurs. However, we also have allies. Most physicians (56 percent) support some form of national health program, although 74 percent are convinced that most other doctors oppose it.24 Many of the largest corporations would enjoy substantial savings if our proposal were adopted. Most significant, the great majority of Americans support a universal, comprehensive, publicly administered national health program, as shown by virtually every opinion poll in the past 30 years. 25,26 Indeed, a 1986 referendum question in Massachusetts calling for a national health program was approved two to one, carrying all 39 cities and 307 of the 312 towns in the commonwealth.²⁷ If mobilized, such public conviction could override even the most strenuous private opposition.

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