Index
Advertising
effect on health care prices, 77, 78
by Federal Employees Health Benefits Program (FEHBP), 77
Aetna Life & Casualty, 76, 87, 90, 91, 94, 95, 96, 100, 105
Aid to the Blind; 118
Aid to Families With Dependent Children (AFDCL), 60, 118
Aid to Old Age Survivors, 118
Aid to the totally Disabled, 118
Alternative delivery systems
regional examples of, 107-117
technology used in, 37
Altman, Stuart H., 84
Ambulatory physician services, 39-40
American College of Physicians, 68
American Medical Association (AMA)
Group Practice Register, 111
Ancillary technology, 40
Ankrum, Alvin, 134
Arapahoe Health Plan of Denver, Colorado, 117
Baltimore Gas & Electric Co., 134
Baucus, Senator Max, 127
Bethlehem Steel, 134
Blue Cross/Blue Shield, 38, 39, 40, 48, 85, 87, 89, 90, 91, 94, 95, 96, 113, 115, 134
customer information provided by, 76
efforts to identify nonbeneficial procedures, 68
establishment of HMO Colorado by, 116
high-option plan coverage in the Federal Employees Health Benefits Program, 98-101
Medical Necessity Program, 58
programs in California, 115
programs in the Rochester, N.Y., area, 107-108
suit against Office of Personnel Management, 105
Blue Cross of Minnesota, 114
Blue Cross of Northern California, 115, 116
Blue Cross of Southern California, 115
Breslow, Lester, 83
California
alternative delivery systems in, 114-116
prepaid Medi-Cal health plans (also see Medicaid, Medi-Cal), 118-119
Cavitation
effect on fee-for-service incentives, 19
payment by Medicare, 43, 66
payment by Medicaid, 66
Cargill Co., 113
Certificates of need, 129
CHAMPUS (see Civilian Health and Medical Program of the Uniformed Services)
Children's Hospital (Washington, D.C.), 130
cardiac mortality rates in, 131
Civil Aeronautics Board, 136
Civil Service Commission (CSC), 85, 86, 102, 103
Civilian Health and Medical Program of the Uniformed Services (CHAMPUS), 108, 109
Competition
comparison of proposals to increase (table), 23
among comprehensive health care organizations, 8-9, 10-11, 22-23, 32, 48-50, 63-67, 107
concept of, 24-26
Consumer Choice Health Plan, 22-23
customer information needs under increased, 71-80,
cost consciousness and, 23-24
effects on medical technology use and innovation, 31-50
effects on quality of care, 9-11
emphasis areas, 27-28
and medical care market, 26-27
and medical care quality, 55-68
and medical technology use and innovation, 31-50
participants and choices to be made under increased (table), 19
patient cost sharing and, 7-8, 20-21, 45-48
proposals to increase, 5-7, 19-24
strategies for increasing, 4
Consumer Choice Health Plan, 22-23
Comprehensive health care organizations, 22-23, 32, 48-50, 63-67
Comptroller of the Currency, 135
Computed tomography, 31-32
Congress
acts of (see Legislation)
commissioning of study by Institute of Medicine, 132
Congressional Budget Office (CBO), 99
House Committee on Energy and Commerce, 3, 83
House Committee on Post Office and Civil Service, 103
House Select Committee on Aging, 122
House Subcommittee on Retirement and Employment Benefits, 103
mandate for Health Care Financing Administration survey of elderly insurance consumers, 80
Senate Committee on Labor and Human Resources, 3, 83
Consumers
information needed by, 11-12, 73-78
information needed by (table), 74
initiation of care by, 72-73, 75
selection of health insurance plans by, 71-72
selection of technologies by, 72-73
Control Data Corp., 113
Copayment (see Cost sharing)
Cost sharing
effect on initiation of care by patients, 75
effect on medical technology, 45-48, 61-62
effect on quality of care, 9-10, 59-63, 66
as incentive to search for lower priced care, 78-79
CT scanning (see Computed tomography)
Day, Roger C., 123
Denver, Colo., 116-117
Department of Health, Education, and Welfare (see Department of Health and Human Services)
Department of Health and Human Services, 86, 87, 119, 123
Deuschle, Kurt, 84

Eastman Kodak Co., 107
Electroencephalograph, 44
Enthoven, A. C., 109, 22-23
Epstein, Mark, 129
Estes, Carroll, 84

Fairfax County (Virginia) Office on Aging, 130
Fairfax (Virginia) Hospital, 130
Farm Credit Administration, 136
Federal Deposit Insurance Corporation, 135
Federal Employees Health Benefits Program (FEHBP), 12, 37, 64, 76, 80, 108, 109
advertising by, 77
benefit costs as percentage of subscription income (table), 90
benefit variation across plans, 87-88
Blue Cross/Blue Shield high-option plan enrollees in, 98-101
choices by annuitants and the elderly in, 96-98
comparison with Medicare, 87
competition within, 87-91
cost incentives in allocation of premiums (table), 89
cross subsidies in, 88-90
health insurance categories of, 86
history and structure of, 85-87
incentives for cost consciousness, 88
low-option experience of, 90-91
problems of, 106
quality assurance of, 101-102
selection and utilization of services, 91-101

Federal Home Loan Bank Board, 135
Federal Reserve System, 80
enforcement of the Truth in Lending Act by, 135
Federal Trade Commission, 108, 122
enforcement of the Truth in Lending Act by, 136
Fee-for-service practices, 36, 37
v. health maintenance organizations, 65-66
Fein, Rashi, 83, 84
Feldstein, M. S., 20-21
Fetal monitors, 44
Finger Lakes (New York) Health Systems Agency, 107

General Accounting Office (GAO), 103
General Mills, 113
General Motors Corp., 107
Genesee Valley Group Health Association (GVGHA), 107, 108
Georgetown University Hospital, 130
cardiac mortality rates in, 131
George Washington University Hospital, 130
cardiac mortality rates in, 131
Glasser, Melvin A., 84

Glossary
of acronyms (see p. xi)
of terms (see pp. vii-viii)
GHA (see Group Health Association of Washington, D. C.)
GNP (see gross national product)
Government Employees Health Association (GEHA), 88, 104
Grand Coulee Dam, 41
Gross national product (GNP), 17
Group Health Association of America (GHAA), 104
Group Health Association (GHA) of Washington, D. C., 38, 67, 87, 94
Group Health Cooperative of Puget Sound, 38, 45, 67
Group Health Plan of Minneapolis-St. Paul, 112, 113
Group practices, 48

Hawaii
alternative delivery systems in, 108-111
Community Health Program of, 108
competition and utilization patterns in, 108-110
Hawaii Medical Service Association (HMSA), 38, 108
Health care alliance (HCA) (see Health insurance)
Health Care Financing Administration (HCFA)
Bureau of Program Operations, 123
congressional mandate to survey elderly insurance consumers, 80
consumer information provided by, 80
Medigap Operations Staff, 125
review of health insurance policies by, 79
Health care, 17
Health Insurance Plan of New York, 38, 43, 45, 67
Health insurance
for catastrophic illness, 20-21, 24
comprehensive coverage by, 23
cost consciousness and rates for, 23-24
effect on use of medical technology, 17-19, 33
exclusion of preventive technologies by, 75
differences among plans, 73-74
growth stimulation by taxation policy, 17-18
major risk insurance proposal, 20-21
Medigap legislation, 120-128
patient cost sharing and rates for, 20-21, 23
plan selection by consumers, 71-72, 73-75
population covered by, 72
private insurance and its problems, 120-122
public knowledge of information on, 127
risk rating for, 23-24
supplementary coverage, 21, 72, 120-128
Health Interview Survey, 57
Health Maintenance Organization Act (see Legislation)
Health maintenance organizations (HMOS)
ambulatory physician services in, 39-40
ancillary services in, 40
barriers to initiation of care in, 63
in California, 36, 114-116
cavitation payments to, 19
competition among, in the Rochester, N. Y., area, 107
enrollment in (nationally), 36
in Denver, Colo., 116-117
v. fee-for-service practices, 65-66
in Hawaii, 108-111
individual practice associations (IPAs), 19, 36, 37, 42, 48, 65
legal requirements for, 50-51
managerial technologies in, 41-42
Medicare/Medicaid and, 66
in Multnomah County, Oreg., 111-112
in Minneapolis-St. Paul, 112-114
preferred provider organizations (PPOS) as alternative to, 116
prepaid group practices, 19, 36
preventive services in, 40, 65
provider selection in, 64
quality of care compared with other settings (table), 65
quality of care in Hawaii HMOS, 110-111
of Rochester, N. Y., 107-108
surgery rates in, 38-39
types of, 19
Health Program Advisory Committee, 83
Health Systems Agencies (HSAS), 50, 68, 77
development of consumer information by, 79
Health Systems Agency of Northern Virginia, 77
description, 129-131
Health Watch, 107
Hemorrhoidectomy, 39
Hennepin County (Minnesota) Medical Society, 113
HMO Colorado, 116-117
HMO Minnesota, 113
HMOS (see Health maintenance organizations)
Honeywell Inc., 113
Howard University Hospital, 130
cardiac mortality rates in, 131
HSAS (see Health Systems Agencies)
Hysterectomy, 39
Infectious diseases, 26
Institute of Medicine, 132
Institutional Differences Study, 57
Insurance (see Health insurance)
Intergovernmental Health Policy Project, 129
Internal Revenue Service, 62
Joint Commission on the Accreditation of Hospitals, 134
assessment of laboratory test accuracy by, 77
Kaiser Foundation, 109
Kaiser Health Plan of Colorado, 116
Kaiser-Permanente Plan, 38, 39, 40, 41, 42, 43, 45, 67, 107, 108, 109, 111
growth in California, 115
origin of, 115
quality of care, 65-66
Kidney dialysis, 26
King, Patricia, 84

Legislation
California Waxman-Duffy Prepaid Health Plan Act, 118
Clayton Antitrust Act, 122
Consumer Credit Protection Act, 135
establishing Professional Standards Review Organizations (PSROs), 132
Fair Credit Billing Act, 135
Federal Aviation Act, 136
Federal Employees Health Benefits Act, 85, 86, 87, 102
Federal Trade Commission Act, 122
Freedom of Information Act, 132
Health Maintenance Organization Act, 50, 71, 118, 119
Individual Accident and Sickness Insurance Minimum Standards Act, 123
McCarran-Ferguson Act of 1945, 122
Minnesota Health Maintenance Organization Act, 113
National Health Planning and Resources Development Act, 129
Packers and Stockyards Act, 132
Securities and Exchange Act, 136
Sherman Antitrust Act, 122
Social Security Amendments of 1965 (establishing Medicare and Medicaid), 120
Social Security Amendments of 1980, 123
Truth in Lending Act, 80, 135-136
Lepper, Mark, 84
Litigation, 105
Little, Arthur D., 127

Mahoney, Margaret, 84
Maryland
Department of Health and Mental Hygiene, 134
Health Services Cost Review Commission, 77, 133
Hospital Utilization Reporting System, 133
State Medical Society Admissions Review Program (MARP), 133
Maryland National Bank, 134
Maternal and Child Health Services, 132
Mayo Clinic, 38
MedCenter Health Plan of Minneapolis-St, Paul, 112, 113
Medicaid, 17, 37, 39, 43, 47, 48, 50, 107, 109, 111, 112, 114, 132, 134
coverage variations, 68
effects of cost sharing on, 62
establishment of, 120
health maintenance organizations serving recipients, 66
Medi-Cal (California Medicaid program), 35, 60, 64, 118-119
options of beneficiaries, 72
Medical care
acute, 26
choice of technologies, 64
competition effects on quality of, 55-68
customer sovereignty in, 27
expenditures for, 42-43
initiation by consumers, 63, 75
market for, 26-27, 42
perspectives on quality of care dimensions (table), 56
price elasticity of demand for (table), 35
selection of providers, 64, 75
Medical technology
ambulatory physician services, 39-40
ancillary services, 40
behavioral theories on adoption of, 32
and competition in health care, 32, 45-50, 64
cost sharing effects on choices, 61-62
definition of, 4
diffusion of, 31-33
hospitalization, 37-38
inappropriate use of, 27-28
incentives related to use of, 17-19
managerial, 41-42
patient cost sharing and use of, 33-35
policy implications for, 50-51
preventive services, 40
research on use in comprehensive care organizations, 36-43
research on use with greater patient cost sharing, 33-35
selection by patients, 72-73
surgery, 38-39
use and innovation of, 31-50
Medicare, 12, 17, 21, 22, 37, 38, 43, 58, 79, 98, 101, 107, 108, 109, 114, 123, 132
comparison with Federal Employees Health Benefits Act, 87
complexity of coverage by, 79
effects of cost sharing on, 63
establishment of, 120
Federal standards for State regulation of supplementary insurance (table), 124
gaps in coverage, 120
health maintenance organizations serving recipients, 66
information provided by, 78
options for beneficiaries, 71-72
supplementary medical insurance for beneficiaries, 120-128
Medigap insurance (also see Health insurance, supplementary coverage)
Federal legislation to create, 123-125
State regulatory action on, 125-127
Metropolitan (D. C.) Tertiary Care Task Force
assessment of cardiac surgery and catheterization in the Washington, D.C. area, 130
guidelines on cardiac mortality, 130-131
Mike, Joseph C., 123
Minneapolis-St. Paul, 112-114
Mitchell, Susan M., 123
Monroe County (New York) Medical Society, 107
Montgomery County (Maryland) Department of Health Systems Planning, 130
Mosteller, C. Frederick, 84
Multnomah County, Oreg., 111-112
Nader, Ralph, 132
National Association of Employers on Health Maintenance Organizations, 113
National Association of Insurance Commissioners (NAIC), 123
National Capital Medical Foundation (Washington, D.C., PSRO), 132
National Commission on Health Manpower, 65
National Credit Union Administration, 136
National Health Interview Survey, 95
National Institutes of Health Medical Center, 130
National Medical Care Expenditure Survey, 35
National Medical Care (NMC), Inc., 129
National Naval Medical Center, 130
Nicollet-Eitel Health Plan (Minnesota), 113
Northern Virginia Directory of Physicians, 129-130
Northern Virginia Medical Society, 129
Office of Economic Opportunity, 107
Office of Personnel Management (OPM), 76, 77, 87, 90, 101, 102, 103
reduction of benefits for Federal Employees Health Benefits Program, 105
Office of Technology Assessment (OTA), 67, 71
definition of medical technology, 4
Health Program Advisory Committee, 84
Strategies for Medical Technology Assessment (previous report), 3
organization of this report, 13-14
study methods used for this report, 83
Olmstead Medical and Surgical Group, 38
Open-heart surgery, 44
Oregon Physician Services Plan, 111, 112
Organ banks, 44
OTA (see Office of Technology Assessment)

Palo Alto Medical Clinic, 34, 37
Patients (see Consumers)
Policy implications, 12
competition and care quality, 67-68
competition and medical technology use and innovation, 50-51
competition and private sector provision of information, 78-79
competition and public sector provision of information, 79-80
Prepaid health plans (PHPs), 118
Prepaid group practices, 39
Professional Standards Review Organizations (PSROS), 58, 68, 101, 107, 114
background of, 132-133
Baltimore City PSRO, 133-134
data compiled by, 77
development of consumer information by, 79
recommendations of the Institute of Medicine on information disclosure by, 132
Index • 159

Project Health, 51
  evaluation by A. D. Little, 111-112
Prospective reimbursement, 44
PSROS (see Professional Standards Review Organizations)
Public Citizen Health Research Group, 132

Quality
  competition effects on, 55-68
  current levels of, 57-58
  dimensions of, 55-56
  intended levels of, 58-59
  research on, 59-66

Rabkin, Mitchell, 84
Radiotherapy, 44
Railroad Retirement System, 120
Ramsey Health Plan of Minneapolis-St, Paul, 112, 113
Rand Corp., 33-34, 47, 59
Renal dialysis, 44
Research
  on innovation, 43-45
  on care quality, 59-66
Rice, Dorothy P., 84
Riegelman, Richard K., 84
Robb, Walter L., 84
Robbins, Frederick C., 84
Rochester, N. Y.
  alternative delivery systems in, 107-108
  Genesee Valley Group Health Association of, 107
  Health Network, 107
  Health Watch, 107
  Ross-Loos Medical Group (California), 115

Safeo Insurance Co., 115
Saskatchewan, Canada, 35
SEC (see Securities and Exchange Commission)
Securities and Exchange Commission (SEC), 80
  divisions of, 137
  as a model of information disclosure, 12, 136-138
SHARE Health Plan of Minneapolis-St. Paul, 112, 113
Smith, Adam, 25
Social Security, 76, 120
Stanford University, 60
State Health Planning and Development Agencies (SHPDAS), 129
Stevens, Rosemary, 84
Strategies for Medical Technology Assessment, 83
Supplementary Health Insurance Panel, 123
Surgery, 39
Sybron, 107

Tonsillectomy, 39

University of Michigan, 110
University of Oregon, 111
Varicose vein surgery, 39
Vertical integration, 43
Veterans Administration, 110
  Washington, D. C., hospital, 130
Walter Reed Army Medical Center, 130
Washington (D. C.) Adventist Hospital, 130
  cardiac mortality in, 131
Washington Consumers’ Checkbook, 76, 78, 79, 104
Washington (D. C.) Hospital Center, 130
White, Kerr L., 84
Woodyard, William H. L., III, 123
Wyatt, Ronald, 109
Xerox Corp., 107
X-Ray therapy (see Radiotherapy)
Younger, Tera S., 123
Yuen, Albert H., 108