

Index

- Access**
 to health care, 17-18, 30-32, 73-76, 151-161
 policy issues and options concerning, 30-32
- Administration on Aging (AoA)**, 35, 362
- Administrative Days Program**, 75
- Advance directives.** See *Durable power of attorney; Living wills*
- Advanced life support.** See *Resuscitation, advanced*
- Age**
 CPR use and, 174-175, 180, 181, 182, 184-185, 187
 dialysis use and, 249, 250, 256-257, 259, 261-262, 266, 256, 259
 effects of, on nutritional status, 277-278, 287, 288-290, 293, app. F
 mechanical ventilation use and, 217-218, 225-226, 218
 physiological functioning changes by, 78, 168, 207, 250, 279, 334, 79
 technological resource allocation and, 151, 156-161
 See also *Elderly*
- Ageism**
 as barrier to recruitment in geriatrics, 364-365
 life-sustaining treatment and, 30-31, 78-80, 108, 151, 156-161, 184-185
- Albany Medical Center Hospital**, 294, 302
- Allied health professionals**, 360-361, 382-383
 See *Health care professionals*
- Alzheimer's disease.** See *Dementia*
- American Association of Critical-Care Nurses**, 234, 360
- American Association of Critical-Care Nurses' Certification Corp.**, 382
- American Association for Respiratory Care (AARC)**, 216, 217, 219, 222-223, 239
- American Association for Respiratory Therapy (AART).**
 See *American Association for Respiratory Care*
- American Board of Emergency Medicine**, 382
- American Board of Family Practice**, 381
- American Board of Internal Medicine**, 381
- American Board of Medical Specialties**, 381, 382
- American Cancer Society**, 41
- American College of Chest Physicians**, 223, 239
- American College of Physicians**, 44
- American Dietetic Association**, 362, 382
- American Geriatrics Society**, 61, 381
- American Health Care Association**, 239
 decisionmaking guidelines of, 62
 nursing home survey by, 279-298
 nutritional support education and, 299
- American Heart Association (AHA)**
 biomedical research funding by, 41
 certification by, 382
 CPR programs of, 167
 legal education by, 369
 resuscitation standards of, 173, 174, 180
- American Hospital Association**
 "Baby Doe" regulations and, 64
 employment data of, 376
 medical technology assessment by, 44
 Patient's Bill of Rights by, 61-62
- American Lung Association of Massachusetts**, 217
- American Medical Association (AMA)**, 383
 "Baby Doe" regulations and, 64
 decisionmaking guidelines of, 61
 euthanasia policy of, 55
 geriatric specialists and, 364
 humanities and human values education and, 367
 life-sustaining treatment statements by, 22, 129, 145, 315
 medical technology assessments by, 44
 PPS poll by, 74
 treatment withholding/withdrawing poll by, 48
- American National Standards Institute**, 212
- American Nephrology Nurses Association**, 382
- American Nurses' Association**
 certification by, 381, 382
 geriatric training and, 361
- American Pharmacy Association**, 383
- American Red Cross**, 167, 383
- American Society for Parenteral and Enteral Nutrition**, 287, 303
- American Society of Allied Health Professions**, 362
- American Society of Internal Medicine**, 74
- American Society of Testing and Materials**, 212
- Antibiotics**
 administration of, 338
 choosing, 336-338, 337
- Antibiotic therapy**, 4, 333-354
 adverse reactions to, 343-345
 costs of, 340
 credentials for, 383
 findings and implications involving, 349-351
 need for, 334-336
 outcomes of life-sustaining, 341-345
 recommended, regimens for life-threatening infections, 336-338, 337, app. G
 reimbursement for, 340-341
 See also *Technologies*
- APACHE II**, 287
 See *Patient classification systems*
- Arteriovenous fistula**, 253, 253
- Association of American Medical Colleges**, 381
- Association of Community Cancer Centers**, 194
- "Baby Doe" regulations, 33, 63-64
- Baltimore Longitudinal Study on Aging**, 78
- Barber v. Superior Court (California)*, 130-131, 134, 237, 239, 306, 309
- Bartling v. Superior Court (California)*, 107-108, 125
- Basic life support.** See *Resuscitation, basic*
- "Best interest standard," 118
- Beth Israel Hospital (Boston)**, 181, 196

NOTE: Page numbers appearing in italics refer to information included in tables or figures.

- Bethesda Lutheran Hospital (Minneapolis), 226
 Blue Cross and Blue Shield Association of America, 44, 295, 304, 341
 Bly v. Rhoads (Virginia), 95
 Board of Nephrology Examiners, 382
Bouvia v. County of Riverside (California), 99, 100-101
Bouvia v. Glenchur (California), 100-101
Brophy v. New England Sinai Hospital, Inc. (Massachusetts), 99, 306, 309-310
 Bureau of Health Professions, 380
- California
 durable power of attorney form used in, 110,111-114
 incompetency judgments in, 104
 judicial review of surrogate decisions in, 130-131
 living will statute in, 59, 121, 122, 125, 345
 Medicaid reimbursement in, 221
 public guardianship in, 117
 California Natural Death Act, 345
Canterbury v. Spence (District of Columbia), 94
 Cardiac arrest, resuscitation and, 167, 168-169
 Cardiopulmonary resuscitation (CPR)
 See Resuscitation
 Cardozo, Justice, 92, 93
 Care Centers of Michigan, 213, 215
 Care for Life, mechanical ventilation survey by, 216-219
 Caregivers
 for mechanical ventilation, 215, 231-232
 roles of, 358-361
 stresses on, 25-26, 369
 See *also* Family; Health care professionals; Manpower
 Child Abuse Prevention and Treatment Act, 63, 64
 Chronic Obstructive Pulmonary Disease (COPD), 207, 208, 214, 223, 232
 Chronic ventilator dependence, 226, 230-231
 Clark, Barney, 151
 Classification systems
 See Patient classification systems
Cobbs v. Grant (California), 94
 Cognitive impairment
 treatment decisions and, 7, 22, 80, 104, 291, 298, 301, 346-349, 367
 See *also* Competency
 Colorado, 61
 Committeeship. See Surrogate
Commonwealth v. Edelin (Massachusetts), 130
 Competency
 decisionmaking capacity and, 102-107
 See *also* Cognitive impairment
 Complications, 19, 20, 25
 dialysis-related, 249, 250, 255, 260-261
 DRGs and, 73, 75
 malnourishment and, 295
 nutritional support-caused, 317
 positive pressure ventilation-associated, 211, 226-227
 resuscitation-associated, 181, 182
 total parenteral nutrition-related, 284-286
 Congregate housing, 214
 Congressional Budget Office (CBO), 3, 217, 221, 223
 Conservatorship. See Surrogate
 Consolidated omnibus Budget Reconciliation Act (COBRA), 221, 379
 Continuous ambulatory peritoneal dialysis (CAPD), 254-255, 256, 254
 Continuous cycling peritoneal dialysis (CCPD), 254, 255
Corbett v. D'Alessandro (Florida), 307, 311
 Comorbidities, 5-6, 19, 25
 DRGs and, 73, 75
 infection vulnerability and presence of, 334
 mechanical ventilation setting choice and, 213
 renal dialysis and, 250
- costs
 of antibiotics, 340
 of ESRD program, 249, 257-258, 258
 of establishing public guardianship, 116, 117
 of health care, 12-15, 18, 27, 65-67, 151
 of life-sustaining technologies, 12-13
 intergenerational responsibility for treatment, 160-161
 mechanical ventilation, 12-13, 218-220, 219
 nutritional support, 12-13, 295-297, 299-300, 303-304
 prognostic uncertainty's effect on, 19, 68
 resuscitation, 177
 technology's effects on health care, 27, 70-71
- courts
 assessment of decisionmaking capacity by, 105-106
 institutional ethics committees' relationship with, 128-129
 surrogate decision review by, 120-121, 130-131
 surrogate decisionmaker appointment by, 116-117
- Critical care
 credentials in, 382-383
 perspective of, 372-373
 specialists in, 359-360
- Cuirass, 209
- Data
 Federal role in life-sustaining technology, 28-29
 on mechanical ventilation utilization, 216-218, 216, 217, 218
 on resuscitation utilization, 175-176
 unreliability of, for life-sustaining technologies, 11-13, 17, 28, 44-45
- Death, 19-20
 CPR use and, 174, 179-180
 determination of, 59
 education, 368-369
 ethical distinction between direct and indirect cause of, 143-145
 from infectious diseases, 342-343, 346, 347
 physicians' reluctance to discuss issues related to, 187, 368
 trends in, 77, 78
- Decisionmaking
 antibiotics, 345-349
 capacity, 5, 7, 80, 95-97, 102-107
 changing context of, 26-27
 dialysis, 262-268
 education for, 370
 ethical distinctions between direct and indirect effects of, 143-146

- findings involving, 19-27
 guidelines for, 20-22, 60-62, 57
 interdisciplinary collaboration in, 371-375
 legal aspects of, for elderly patients, 107-127
 mechanical ventilation, 232-240, app. E
 model of medical, 96, 97, 132
 nonjudicial consultative sources for, 127-130
 nutritional support, 305-318
 policy issues and options involving, 32-34
 project advisory panel's principles for, 22, 23
 prospective payment system's effects on, 9-10, 18, 74-75, 264, 266-267, 280, 295-297, 302, 303, 308
 "quality of life" as factor in, 51-52
 resuscitation, 183-194
 surrogate, 22, 23, 34, 54-55, 109-117, 235-237, 238, 265, 267, 54
 See also Institutional policies for decisionmaking
- Dementia, 5, 7, 22
 antibiotic therapy treatment and, 346, 347, 349
 competency and, 104
 in dialysis patients, 261, 267
 hospice programs and, 65
 infection diagnosis in patients with, 336
 nutritional support and, 313-314
 relationship of eating disorders with, 291
 research, 26
 resuscitation use and, 184
- Demographics
 of elderly population, 6, 27, 76-77, 77
 intergenerational, and treatment responsibilities, 160-161
- Department of Agriculture, U. S., 292
 Department of Defense, U. S., (DOD), 32, 33, 41
 Department of Energy, U. S., (DOE), 41
 Department of Health and Human Services, U. S., (DHHS), 29, 30, 31, 35
 "Baby Doe" regulations of, 64
 health-related research funding by, 41
 See also Health Care Financing Administration
- Department of Transportation, U. S., (DOT), 383
- Depression, 22
 after resuscitation, 181
 in ESRD patients, 261
- Diagnosis-related groups (DRGs), 73-75
 antibiotic therapy and, 340
 "losers," 18, 31, 74, 75, 296
 mechanical ventilation and, 216, 220
 nutritional support and, 295-296
 "outliers" and, 73, 220, 296
 resuscitation and, 177-178
- Dialysis, 4, 249-271
 clinical outcomes of, 259-261, 259
 credentials for, 382
 decisionmaking involving, 262-268
 findings and implications involving, 268-269
 home, 255, 256
 peritoneal, 254-255
 procedures for, 251-255
 psychosocial outcomes of, 261-262
 use of, 11, 256-258, 256, 257, 258
 See also Technologies
- Distributive Justice. See Justice, distributive
- District of Columbia, 116-117
- Doctors. See Health care professionals
- Do-Not-Intubate (DNI) orders, 192, 193, 240
- Do-Not-Resuscitate (DNR) order, 167-168
 age and, 185
 decisionmaking involving, 186, 187, 189-192, 193, 239-240
 illness type and, 183-184
 Medicare reimbursement and, 194
 treatment given after issuing, 193-194, 195
 use of, 189-192
- Do-Not-Treat (DNT) orders, 192
- Duke Longitudinal Study of Normal Aging, 78
- Durable power of attorney, 21, 22, 34, 60, 63, 110-116, 125
 antibiotic therapy and, 348
 sample form for creating, 115
- Dutch Association for Voluntary Euthanasia, 56
- Education
 CPR, 167, 169
 death and dying, 368-369
 health law, 369-370
 humanities and human values, 367-368
 PPS impact on health care, 376-380
 See also Training; Geriatrics
- Egalitarianism, 153, 155-156, 157, 158, 159-160
- Eichner v. Dillon*, 237
- Elderly
 antibiotic therapy utilization by, 334-336, 339-349
 assessing decisionmaking capacity in, patients, 103-105
 CPR use and, 174-175, 176, 177, 180-181, 182, 185, 187
 dialysis use and, 249, 250, 256-257, 259, 261-262, 266, 256
 distinguishing characteristics, 5-6
 distributive justice theory and technology use by, 152, 153-156
 heterogeneity of life-threatened, 6-7, 158, 8
 legal aspects of decisionmaking for, 107-127
 life-threatening infections affecting, 334, 335
 mechanical ventilation use by, 216-217, 217
 nutritional status assessment of, 277-278, 287, 288-290, 293, app. F
 nutritional support and, 277-278, 287-291, 292, 294, 300-301, 304, 311-312, 314
 physiological factors affecting drug distribution in, 343-345, 344
 proportion of, requiring life-sustaining technologies, 12
 report's definition of, 5
 training and education needs for treating, 336-371
 treatment decisions for, 78-80
 variation in decisionmaking capacity of, 7
 variation in physical status of, 6-7
 See also Age
- End-stage renal disease (ESRD)

- data collection about, 11
- decisionmaking and, 262-268
- dialysis therapy for, 4, 249, 251-258
- stress associated with, 261-262
- End-stage renal disease (ESRD) program, 249, 250-251, 255
 - age as criterion for, 156
 - amendments to (1978), 257
 - costs of, 249, 257-258, 258
 - utilization of, 256-257, 256, 257
- Enteral feeding. See Tube feeding
- Estate of Leach v. Shapiro*, 237
- Ethics, 141-162
 - decisionmaking guidelines and, 20, 21, 57, 142-151
 - dialysis decisionmaking and, 266-268
 - direct v. indirect effects of decisionmaking and treatment, 143-146
 - findings and implications involving, 161
 - of life-sustaining technology distribution, 151-161
 - mechanical ventilation decisionmaking, 235-237
 - nutritional support, 290, 305-310
 - relationship between law and, 141
 - religion and, 62, 143, 145, 150, 159
 - resuscitation withholding decisions and, 187, 192
 - treatment methods and, 145-149
 - See *also* Institutional ethics committees
- Euthanasia, 55-57, 62
 - ethical considerations involving, 143-145, 149
- Expenditures. See Costs
- Family
 - antibiotic therapy administration by patient's, 339
 - attitude towards nutritional support, 312, 316
 - mechanical ventilation effects on patient's, 231-232
 - nutritional support given by patient's, 302-303, 316
 - resuscitation decision involvement by patient's, 186, 187, 188
 - stress on patient's, 25, 26, 231-232
- Federated Council for Internal Medicine, 381
- Food and Drug Administration (FDA), 35
 - antibiotic dosage recommendation by, 345
 - regulatory process of, 16, 42-43, 212, 281
- Framingham Heart Study, 78
- France
 - euthanasia use in, 56
 - support programs for ventilator-dependent patients in, 36, 215
- General Accounting Office (GAO), 3, 74, 76
- Geriatrics
 - barriers to recruitment in, 364-366
 - clinical education in, 366-367
 - credentials in, 381-382
 - Federal support for training in, 362-363, 379
 - historical context of, 361-366
 - roles of specialists in, 358-359
 - shortage of expertise in, 363-364
- Gerontology
 - See Geriatrics
- Goldwater Memorial Hospital (New York City), 214, 226
- Griswold v. Connecticut*, 93
- Guardianship, 116-117
 - See Surrogate
- Guidelines
 - antibiotic therapy treatment, 349, 351
 - ESRD treatment, 266
 - for mechanical ventilation, 239-240
 - nutritional support, 287
 - See *also* Standards
- Hamilton v. Hardy* (Colorado), 94
- Handicapped Rehabilitation Act (1973), 63, 64
- Health Care Financing Administration (HCFA), 28, 30-31, 32, 33, 36
 - coverage decisions by, 43
 - health statistics maintained by, 216
 - life-sustaining technologies data collection by, 11
 - PPS *poll* by, 74
 - reimbursement policy for nutritional support by, 299-300, 303-304
 - See *also* Department of Health and Human Services, U.S. (DHHS)
- Health care professionals
 - conflicting perspectives of, 371-374
 - credentialing of, 380-383
 - education and training of, 16, 17, 19, 25-26, 292-293, 295, 298-299, 302-303, 366-371, 378-380
 - employment patterns, 376-378
 - interdisciplinary collaboration by, 371, 374-375
 - nutritional support attitudes of, 277, 308-309
 - reimbursement's impact on training and employment of, 376-380
 - roles of, 358-361
 - shortage of geriatric, 364
 - stresses on, 25-26, 231-232
- Health Care Technology Assessment, 35
- Health Industry Manufacturers Association, 43
- Health maintenance organizations (HMOs), 42, 75
- Health Resources and Services Administration (HRSA), 35, 36, 362, 364, 380
- Hebrew Home of Greater Washington, 63
- Hemodialysis, 252-253, 258, 253
- Home health care, 14-15, 16, 46
 - antibiotic therapy use in, 338, 339, 340
 - dialysis in, 255, 256
 - mechanical ventilation charges in, 219-220
 - mechanical ventilation use in, 209, 214, 215
 - nutritional support use in, 300-304, 316-318
 - personnel needs for, 377-378
 - reimbursement for, 76, 214
- Home ventilators, 209, 210, 212
- Hospice
 - antibiotic therapy use in, 339
 - as alternative to life-sustaining technologies, 18-19, 64-65
- Hospitals, 44-45
 - antibiotic therapy use in, 338, 339-340
 - life-sustaining technology use policies of, 21-22, 33-34, 193, 195-197
 - mechanical ventilation charges in, 219, 219

- mechanical ventilation use in, 209-210, 213, 214, 215
 nutritional support costs and reimbursement to, 295-297
 nutritional support decisionmaking in, 311-312
 nutritional support use in, 293-295
 personnel needs of, 376-377
 PPS use in, 73-75
- ICD-9 (coding system), 294
 Idaho, 61
 Illinois, 223, 297, 377
 incompetency judgments in, 104
 Medicaid reimbursement in, 221
 Incompetence. See Cognitive impairment; Competence
 Infection
 diagnosis of, 336
 recommended antibiotic regimens for life-threatening recurring, 343
 See *also* Antibiotics; Antibiotic therapy
 Informed consent, 22-24
 development of, doctrine, 93-94
 exceptions to, requirement, 95
 obtaining, for antibiotic therapy, 347-348
 obtaining, for mechanical ventilation, 238
 obtaining, for nutritional support, 312, 316
 obtaining, for resuscitation, 188-189
 practical problems involving, 95-97
 standards for, 94-95
In re Colyer (Washington State), 93, 119, 120, 128
In re Conroy (New Jersey), 119, 120, 129, 306, 307
In re Dinnerstein (Massachusetts), 121
In re Farrell (New Jersey), 108
In re Guardianship of Hamlin, 120
In re Hier (Massachusetts), 306
In re Jobs, 307
In re L.H.R. (Georgia), 128
In re Qackenbush (New Jersey), 106
In re Quinlan (New Jersey), 93, 99, 120, 128
In re Requena (New Jersey), 99, 310
In re Spring (Massachusetts), 121, 130, 266, 267
In re Torres (Minnesota), 128
In re Yetter (Pennsylvania), 106
In the Matter of Application of Plaza Health and Rehabilitation Center (New York), 108, 306
 Institutional ethics committees, 21, 60, 63
 function and role of, 127-129, 141-142
 President's Commission support of, 60
 resuscitation policy and, 195
 Institutional policies for decisionmaking, 21-22, 33-34, 62-63, 130, 168, 193, 195-197, 297, 300, 304-305, 312, 315, 321
 Insurance, private health, 18, 42, 154, 158
 antibiotic therapy reimbursement by, 341
 ESRD treatment reimbursement by, 257
 mechanical ventilation reimbursement by, 221
 nutritional support reimbursement by, 303
 International Standards Organization, 212
 Intravenous feeding
 techniques and risks of, 283-286, 284, 285
 See *also* Nutritional support; total parenteral nutrition
 Incubation. See Intravenous feeding; Mechanical ventilation; Total parenteral nutrition
 Iron lung, 207, 209
- Joint Commission on Accreditation of Hospitals (JCAH)
 accreditation standards of, 34, 240
 institutional policy study by, 62
 living will recognition and, 126-127
 resuscitation policy and, 21, 34, 62, 168, 195, 197, 198, 321
 Joint Review Committee for Respiratory Therapy, 383
 Justice, distributive, 152-160
- Kolff, Wilhelm, 151, 252
 Kouwenhoven, W.B., 169
- Lane v. Candura* (Massachusetts), 106
 Law Reform Commission (Canada), 62
 Laws. See Legislation
Leach v. Shapiro (Ohio), 102
 Legal Advisors Committee of Concern for Dying, 125-126
 Legal issues, 91-131
 concerning antibiotic therapy, 345
 concerning dialysis, 267, 268
 concerning mechanical ventilation, 237-239, 237
 concerning nutritional support, 305-310
 concerning withholding resuscitation, 192-193
 criminal liability, 130-131
 decisionmaking guidelines and, 20-21, 57
 findings and implications involving, 132-135
 in health education, 369-370
 in withholding/withdrawing of treatment, 57-59, 58
 Legislation
 durable power of attorney, 21, 22, 60, 110
 family consent, 21, 22, 60, 117
 guardianship, 60, 116-117
 living will, 21, 24, 59-60, 116, 121-122, 124, 125, 126, 127, 310-311, 345
 Libertarianism, 152, 154, 158-159
 Life-sustaining technology. See Technologies
 Living wills, 21, 24, 34, 59-60, 63, 116, 121-122
 antibiotic therapy and, 345, 348
 criticisms of, 124-125
 enforcement of, 125, 126-127
 future of, 126-127
 nutritional support and, 310-311
 revocation of, 122, 124
 variation in, statutes, 122
- Malnutrition, prevalence of, 294-295, 298
 Malpractice, 20, 94, 239
 Manpower, 357-390
 Massachusetts
 judicial reviews of surrogate decisions in, 120-121
 substituted judgment standard use in, 118
 Maximin theorists, 153, 155-156, 157
 Mechanical ventilation, 4, 205-245
 certification for, 383
 charges for, 13

- clinical outcomes of, 224-227, 225
 costs of, 218-220, 219
 decisionmaking involving, 232-240, app. E
 effects on mental and physical functioning of, 227-229
 findings and implications involving, 240-241
 psychological outcomes of, 228, 229-231
 reimbursement for, 220-223
 respiratory failure and, 207-208
 utilization of, 11, 216-218, 216-218
 See also Technologies
- Medicaid, 18, 71, 377
 antibiotic therapy reimbursement by, 340-341
 home and community-based waiver, 221
 living will recognition policy of, 126-127
 mechanical ventilation reimbursement by, 221
 nursing home reimbursement by, 45, 76
 nutritional support reimbursement by, 297, 298, 299-300, 304
 regulations affecting elderly people, 71-72
- Medical Device Amendments (1976), 42-43
- Medical model, 371-372
- Medicare, 30, 31, 71, 72
 access to, funding, 9-10, 14, 17-18, 30-32, 72, 73-75, 76, 220-221, 222-223, 249, 257-258, 295-296, 299-300, 303-304, 340-341
 diagnosis-related groups, 18, 31, 73-75, 177-178, 216, 220, 295-296
 DNR orders and reimbursement by, 194
 End-Stage Renal Disease program of, 11-12, 14, 156, 249, 250-251, 255, 256-258, 256, 257, 258
 expenditures at end of life, 9-10, 67-70, 68
 home health care coverage under, 76
 hospice coverage under, 64-65
 nursing home coverage under, 45, 75
 nutritional support coverage under, 295-296, 299-300, 303-304
 "outliers" 73, 220, 296
 prospective payment system, 9-10, 18, 42, 43, 71, 72, 73-76, 177-178, 220-221, 223, 258, 295-297, 376-380
- Mercy killing. See Euthanasia
- Mills v. Rogers*, 93
- Mini-Mental State Exam (MMSE), 291
- Minnesota, 61
- Minnesota Medical Association, 61
- Mortality, 77-78
- Natanson v. Kline* (Kansas), 92, 94
- National Ambulatory Medical Care Survey (1980), 339
- National Association of Home Care, 76
- National Board for Respiratory Therapy, 383
- National Board of Nutrition Support Certification, 382
- National Center for Health Services Research, 35
- National Center for Health Statistics (NCHS), 28, 216
- National Center for Nursing Research, 292
- National Conference of Commissioners of Uniform State Laws, 124
- National Heart, Lung, and Blood Institute (NHLBI), mechanical ventilation workshop by, 233, 234, 235, 238, app. E
- National Hospice Study, 65
- National Hospital Discharge Survey (1984), 176
- National Institute on Aging (NIA), 29, 35
 Last Days of Life study by, 70
 geriatric specialist study by, 363
 geriatric training support by, 362
 research funding by, 292
- National Institute of Mental Health (NIMH), 35, 362
- National Institutes of Health (NIH), 29, 30, 35, 36
 critical care education and, 359, 372
 health-related research by, 3, 41, 292
 medical assessment programs of, 44
 treatment withholding/withdrawal conference sponsored by, 17
- National Intravenous Therapy Association, 383
- National Medical Care Utilization and Expenditure Survey (1980), 339
- National Nursing Home Surveys, 101, 297, 298, 338
- National Registry of Emergency Medical Technicians, 383
- National Research Council
 nutrition education and, 292
 Recommended Dietary Allowances formulated by, 288
- Natural Death Act (California), 59, 121, 122, 125, 345
- Natural death acts. See Living wills
- Netherlands, euthanasia use in, 56
- New Jersey, 282
 decisionmaking guidelines study in, 61
 judicial review of surrogate decisions in, 120
 ombudsman's role in, 129
- New York State
 decisionmaking guidelines study in, 61
 living will recognition in, 127
 substituted judgment standard use in, 118
- Northwest Kidney Center (Seattle), 259-261
- Nurses. See Health care professionals
- Nursing homes, 45-46, 75-76
 antibiotic therapy use in, 338, 339
 institutional policies in, 62-63
 mechanical ventilation use in, 213-214, 215
 nutritional support costs and reimbursement in, 299-300
 nutritional support decisionmaking in, 312-316
 nutritional support use in, 297-299
 personnel needs of, 377
 resuscitation policies and, 34
 resuscitation use in, 175, 176, 179, 184, 189, 192, 190, 191
- Nutritional status, effects of aging on, 277-278, 287, 288-290, 293, app. F
- Nutritional support, 4, 275-329
 certification in, 382-383
 charges for, 13
 controversy surrounding, 26, 58-59, 131, 147-148, 155, 275-278
 costs of, 295-297, 299-300, 303-304, 297
 decisionmaking involving, 305-318
 efficacy of, 287-288
 elderly and, 277-278, 287-291, 292, 294, 300-301, 304, 311-312, 314

- findings and implications involving, 318-321
mechanical ventilation and, 227
techniques for, 280-286
utilization of, 11, 293-295, 297-299, 300-303, 294
See *also* Intravenous feeding; Technologies; Total parenteral nutrition; Tube feeding
- Oak Forest Hospital (Illinois), 214
Office of Health Technology Assessment (OHTA), 35, 43
Older Americans Act, 129
Ombudsmen, 120, 129
Omnibus Budget Reconciliation Act (1981), 257
Oregon Health Decisions Project, 61
"Outliers," 73, 220, 296
- Parens patriae* powers, 98, 116
- Parenteral feeding. See Intravenous feeding; Total parenteral nutrition
- Patient classification systems, 19-20, 29-30, 68-69, 287
Patient selection committees, 249, 263
Patients' rights, 92-102
Peer review organizations (PROS), 31, 75
Peter, Hilda, 307
Physicians
 See Health care professionals
- Policy
 CPR use, 34, 148-149
 ESRD in the United Kingdom, 263
 issues and options for Congress, 28-36
 resource distribution, 152-156
 See Institutional policies for decisionmaking
- Presbyterian-University Hospital (Pittsburgh), 219
President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research, 3, 47, 53
 decisionmaking capacity tests proposed by, 107
 decisionmaking guidelines and, 21, 143, 144, 349
 reports and recommendations issued by, 59, 60, 63, 72, 197
- Prognosis, uncertainty of, 19, 29-30, 153, 206, 234
"Proportionality" ethical traditions and criterion of, 146
- Prospective Payment Assessment Commission (ProPAC), 296
 medical technology assessments by, 43-44
 PPS monitoring by, 74, 75
- Prospective payment system (PPS)
 effects of, on health care decisions, 9-10, 18, 74-75, 264, 266-267, 280, 295-297, 302, 303, 308, 341, 376-380
 See Medicare
- Public opinion
 about euthanasia, 55-57
 about surrogate decisionmaking, 54-55, 54
 about use of life-sustaining technologies, 48-49, 53-54, 146, 54
- Quality of care, 15-16, 35-36, 73-76
"Quality of life," 10
 age as a measure of, 156-157
 effect on, of dialysis, 249-250, 259-262, 266-268
 relationship of, to nutritional support decisions, 314, 317
 treatment decisionmaking and, 18, 51-52
- Quinlan, Karen Ann, 57, 63, 118, 128
- Rand Corp. geriatrics manpower study, 364
Rawls, John, and theory of justice, 153
Recommended Dietary Allowances (RDAs), 288
Regional Kidney Disease Center (Minnesota), 262, 265
Reimbursement, 5, 13-14, 30, 31
 antibiotic therapy, 340-341
 ESRD patients, 257-258, 258
 impact of, on health care professionals training and employment, 376-380
 mechanical ventilation, 220-223
 nutritional support, 295-297, 299-300, 303-304
 resuscitation, 177-178
 See *also* Insurance, private health; Medicaid; Medicare; Prospective payment system
- Religion, ethical traditions of, 62, 143, 145, 150, 159
Renal dialysis. See Dialysis
Renal failure
 functions of the kidney and their alteration in chronic, 250, 251
 types of and treatment for, 250-251, 258
- Research and development, app. C
- Resource allocation
 age as a criterion for life-sustaining technological, 151, 156-161
 ethical, 152-161
 intergenerational responsibility and, 158, 160-161
- Respirator. See Ventilator
Respiratory arrest. See Respiratory failure
Respiratory failure
 diagnoses associated with, 207-208, 208
 mechanical ventilation and, 207-208
 survival of, 224-226
- Resuscitation, 4, 167-201
 ABCs of, 169-170, 171
 advanced, 170-174, 172
 basic, 169-170
 cardiac arrest and, 167, 168-169
 certification in, 383
 clinical outcome of, 178-181
 complications associated with, 181, 182
 costs of, 177
 decisionmaking involving, 183-194
 definition of, 4
 findings and implications involving, 197-198
 history of, 169
 in-hospital, 170-174, 175, 176-178, 179-180, 181, 192
 procedures involved in, 169-174
 psychological outcomes of, 181-182
 reimbursement for, 177-178
 use of other life-sustaining technologies after, 181, 235, 239-240
 utilization of, 12, 175-177
- Right to refuse treatment, 98-102, 309-310
Right To Refuse Treatment (model) Act, 125-126
Roe v. Wade, 93

- St. Michael's Hospital (Toronto), 225-226, 225
Salgo v. Stanford University Board of Trustees (California), 94
Satz v. Perlmutter (Florida), 107, 237
Schloendorff v. New York Hospital, 92, 93
 Scribner shunt, 253
 Selfdetermination, common law right to, 92
 Setting, treatment, 13, 14, 16, 31-32, 44-46
 antibiotic therapy, 338-339, 347
 mechanical ventilation, 213-215, 218, 222-223, 217, 218
 renal dialysis, 255-256
 resuscitation, 175
 See Home health care; Hospitals; Nursing homes
 "Slow codes," 192, 193
 Social Security Amendments (1983), 379
 Society of Critical Care Medicine, 359
 Standards
 for determining decisionmaking capacity, 106-107
 health care licensing, 380-383
 informed consent, 94-95
 for institutional ethics committees, 142
 for nutritional support at home, 303
 for nutritional support specialists, 293
 mechanical ventilator performance, 212
 of care, for mechanical ventilation, 239-240
 resuscitation, 168, 173, 174, 180, 197, 198
 for surrogate decisionmaking, 117-119
 See also Guidelines
State Department of Human Services v. Northern
 (Tennessee), 106-107
 "Substituted judgment standard," 118-119
 Suicide, 149-151
Superintendent of Belchertown State School v. Saikewicz
 (Massachusetts), 93, 109, 118, 120-121, 128, 129,
 267
 Surgeon General, Office of the, 3, 241
 Surrogate
 advance appointment of, by patient, 110-116
 court-appointed, 116-117
 decisionmaking by, 22, 33, 34, 54-55, 235-237, 238,
 265, 267, 316, 54
 designation of, decisionmaker, 109-116
 informal designation of, 117
 qualities of, 110
 substantive basis for decisions by, 117-119
 Technologies, 11-12, 154, 11
 advances in life-sustaining, 16, 27, 35, 40-44,
 app. C
 affects on health care costs of, 70-71
 age as basis for allocation of, 151, 156-161
 alternatives to life-sustaining, 18, 36
 costs of, 5, 70-71, 151
 development and diffusion of, 41-42, 70-71, 41, app. C
 ethical principles for life-sustaining, 142-149, 151-161
 infection risk as result of life-sustaining, use, 334-335
 life-sustaining, focused on in report, 4-5
 perspectives and opinions on life-sustaining, 47, 52
 professional training and, 370-371
 Terminal illness
 antibiotic therapy and, 342-343, 346, 347, 349
 CPR use in, 167, 183-184
 definitions of, 7, 122
 ethical considerations of using life-sustaining technologies in, 153, 154-156
 ventilator weaning in, 234-235
 Total parenteral nutrition (TPN), 4, 5, 275, 287, 290,
 293, 296, 304-305
 consent requirements for, 24
 decisionmaking involving, 308, 310, 311, 312, 316-317
 techniques and risks of, 283-286, 289-290, 335, 284,
 285
 use of, 293-295, 297-299, 300-303
 Tracheotomy, 211
 Tracheotomy, 211
 Training
 acute care orientation in medical, 16, 17, 348, 367-369,
 371-373
 findings and implications involving health care professional, 384-385
 health care professionals, 16, 17, 19, 25-26, 35-36, 366-
 371, 378-380
 lay caregivers, 215
 nutritional support, 292-293, 295, 298-299, 302-303
 See also Education
 Transplant, kidney, 249, 251-252, 256, 261
 Travenol Laboratories, 217
 Treatment
 bias towards, 16, 17, 22, 45, 99-101, 183, 188, 333,
 345, 348, 367-369, 371-373
 ethical distinction between direct and indirect effects
 of, 143-146
 ethics and methods of, 145-149
 given after DNR order, 193-194, 195
 practical problems in refusing, 99-102
 right to refuse, 98-102, 309-310
 setting, 13, 14, 16, 31-32, 44-46, 101-102, 175, 213-215,
 218, 222-223, 255-256, 338-339, 347, 217, 218
 trial period for, 17, 264-265
 withholding and withdrawal of, 17, 36, 49-51, 142-143,
 149-151, 183.194
 Trial treatment period, 17, 264-265
 Tube feeding
 techniques and risks of, 280-283, 286, 281, 282
 See also Nutritional support; Total parenteral nutrition
 (TPN)
Tune v. Walter Reed Army Medical Hospital, 239
 Uniform Rights of the Terminally Ill (model) Act, 123-
 124, 125
Union Pacific Railway Co. v. Botsford, 92
 United Kingdom
 ESRD treatment in, 263
 support programs for life-sustaining technology-
 dependent patients in, 36, 215

Utah, living will form used in, 122, 123
Utilitarianism, 152-153, 154-166, 157, 159

Ventilators, 209-213

Veterans Administration (VA), 28, 32, 33, 35
DNR policy of, 239, 240
geriatrics training support by, 362
health care by, 71-72, 178, 297, 300
health-related research funding by, 41, 292

nutritional support study by, 296
resuscitation policy of, 197

Western Massachusetts Kidney Center, 268

Wilkinson v. Vesey (Rhode Island), 94

Wisconsin

reimbursement for mechanical ventilation, 22 I

Woolley v. Henderson (Maine), 95