

# MEDICAL BUILDINGS

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## KEYWORDS

Ambulance stations, Animal hospitals, Apothecaries, Asylums, Blood banks, Bloodmobiles, Cardiology, Children's hospitals, Clinics, Convalescent hospitals, Dental clinics, Dental hospitals, Dental offices, Dental schools, Dispensaries, Emergency medical centers, Emergency rooms, Endocrinology, Extended care facilities, Geriatric hospitals, Gastroenterology, General health, Geriatrics, Gynecologic and obstetric hospitals, Gynecology, Halfway houses, Homes for the aged, Hospices, Hospitals, Immunology, Infirmarys, Lazarettos, Medical centers, Medical clinics, Medical colleges, Medical museums, Medical offices, Medical schools, Mental health facilities, Mental health facilities, Mental hospitals, Military hospitals, Neurology, Nursing homes, Oncology, Operating rooms, Ophthalmology, Orthopedics, Otolaryngology, Out-patient clinics, Patient hotels, Pediatrics, Personal care homes, Pharmacies, Poison control centers, Psychiatric clinics, Psychiatric hospitals, Psychiatry, Physical therapy units, Pulmonary care, Radiography, Rehabilitation centers, Rest homes, Rheumatology, Sanatoriums, Supportive housing, Surgical centers, Surgical clinics, Surgical suites. Terminal care facilities, Transplantation, Urology, Vaccination centers, Veterans' hospitals, Veterinary colleges, Veterinary hospitals, Veterinary schools,

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## TOOLS TO GET STARTED

Center for Health Design, <http://www.healthdesign.org/> (Interdisciplinary advocacy group, publishes the *Aesclepius* newsletter and the *Journal of Health Care Design*. Site features "Exemplary Facilities")  
 De Chiara, *Time-Saver Standards for Building Types*, 3rd, Reference-NA2760.D42 1990 (Chapter 4)  
 Medical Specialities Guide, <http://www.medicalresourcesusa.com/specialties.htm>  
 Ramsey/Sleeper, *Architectural Graphic Standards*, Reference-TH2031.R35 1994 (Chapter 20 "Health Care")  
 Reznikoff, *Interior Graphic and Design Standards*, Reference-NA2708.R49 1986 (Chapter 21)

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## HEALTH SERVICE BUILDINGS A - Z:

### HEALTH SERVICES BUILDINGS IN GENERAL, 1950s

"Health Buildings: Four New Types," *Architectural Forum*, July 1957  
 "Medical Buildings," *Architectural Record*, March 1958  
 "Seven Health Buildings," *Architectural Forum*, September 1955

### HEALTH SERVICES BUILDINGS IN GENERAL, 1960s

"Medical Facilities," *Architectural Record*, April 1964 (Theme issue)

### HEALTH SERVICES BUILDINGS IN GENERAL, 1970s

"Health Care Facilities," *Architectural Record*, November 1978 (Building types study)  
 "Health Facilities," *Architectural Forum*, June 1971 (Theme issue)  
 "Health Facilities," *Architectural Record*, October 1979 (Building types study)  
 "Health Facilities," *Architectural Record*, November 1978 (Building types study)  
 "Medical Facilities," *Architectural Record*, February 1975 (Building types study)  
 "Medical Facilities," *Architectural Record*, September 1975 (Building types study)  
 "Planning for Health Care Facilities," *Architecture*, August 1973

### HEALTH SERVICES BUILDINGS IN GENERAL, 1980s

Capman, *Design That Cares: Planning Health Facilities for Patients and Visitors*, 1986  
"Design Quality in the Health-Care World," *Architectural Record*, May 1980 (Building types study)  
"Health Care Facilities," *Architectural Record*, August 1981 (Building types study)  
"Health Care Facilities," *Mimar*, no. 14, 1984 (Theme issue)  
"Santé," *l'Architecture d'aujourd'hui*, April 1981 (Theme issue)  
"The Well Being of Design Quality in the Health Care World," *Architectural Record*, May 1980 (Building types study)

#### HEALTH SERVICES BUILDINGS IN GENERAL, 1990s

American Hospital Association, *Directory of Planning and Design Professionals for Health Facilities*, 1998  
AIA, *Guidelines for Design and Construction of Hospital and Health Care Facilities 1996-7*, 1998  
"The Art of Healing," *Architecture*, July 1991 (Theme issue)  
Burgun, *Introduction to Health Care Planning, Design and Construction*, 1994  
"Design for Health Care," *Interior Design*, August 1993 (Theme issue)  
"Designing Inclusive Places," *Architectural Record*, July 1999 (Building types study)  
"Focus on Health Care," *Interiors*, August 1994, (Theme issue)  
"Health Care Facilities," *Architectural Record*, February 1993 (Theme issue)  
"Health Care Facilities," *Architectural Record*, May 1994 (Building types study)  
"High Tech Humanism," *Architecture*, March 1993 (Theme issue)  
Marberry, *Healthcare Design (Wiley series in Healthcare and Senior Living Design)*, 1996  
"The Medical Body in Modern Architecture," *Daidalos*, no. 64, 1997 (Theme issue)  
Miller, *Hospital and Healthcare Facility Design*, 1996  
Nesmith, *Health Care Architecture*, RA967.N47 1995  
"Santé," *Techniques & Architecture*, December 1997/January 1998 (Theme issue)  
"Small Scale Medical Facilities," *Progressive Architecture*, August 1992 (Theme issue)  
Valins, *Primary Health Care Centres*, 1993  
"Well-Being," *Metropolis*, October 1996 (Theme issue)

#### HEALTH SERVICES BUILDINGS IN GENERAL, 2000s

AIA Academy of Architecture for Health, <http://www.e-architect.com/pia/health/mission.asp>  
Bobrow, *Building Type Basics for Healthcare Facilities*, 2000  
Rockport Publ, *Health Facilities Review* (Collections of recent projects, published irregularly)  
Verderber, *Healthcare Architecture in an Era of Radical Transformation*, RA967 .V473 2000

#### HISTORY OF MEDICINE

Currer, *Concepts of Health, Illness and Disease: a Comparative Perspective*, 1986  
Grmek, *Western Medical Thought from Antiquity to the Middle Ages*, 1999  
Hahn, *Sickness and Healing: an Anthropological Perspective*, 1995  
Lyons, *Medicine: an Illustrated History*, 1997  
Porter, *The Cambridge Illustrated History of Medicine*, 1996  
Porter, *The Timetables of Medicine: an Illustrated Chronological Chart*, 2000  
Rothheim, *Medicine and Western Civilization*, 1996  
Rutkow, *Surgery: an Illustrated History*, 1993  
Williams, *The Age of Agony: the Art of Healing 1700-1800*, R148.W54 1986  
Williams, *Age of Miracles: Medicine and Surgery in the 19<sup>th</sup> Century*, R149.W45 1987

#### HOSPICES

Chamberlain & Betsy, *Breaking New Ground: Developing Innovative AIDS Care Residences*, RC607.A26L535 1993  
D'Amico, Chase & Millar, *A Difficult Balance: Harm-Reduction Housing for People with AIDS*, 1998 (Office)  
Davidson, *The Hospice: Development & Administration*, 1985  
Hospice Patients Alliance, <http://www.hospicepatients.org/index.html#13>  
National Hospice Organization, <http://www.nho.org/>

#### HOSPITALS, HISTORY

Abel-Smith, *The Hospitals 1800-1948*, 1964  
Burdett, *Hospitals and Asylums of the World*, 4 volumes, 1893  
Forty, "The Modern Hospital in England and France," in *Buildings and Society*, NA2543.S6  
Goldin, *Work of Mercy: a Picture History of Hospitals*, 1994  
Jetter, *Das europäische Hospital von der Spätantike bis 1800*, 1986  
Leistikow, *Ten Centuries of European Hospital Architecture*, 1967

Markus, *Buildings & Power: freedom & control in the origin of modern building types*, NA500.M37 1993 (Chapter 7)  
Miller, *Birth of the Hospital in the Byzantine Empire*, 1985  
Musée d'Orsay, *Architecture Hospitaliere au 19e siecle*, RA967.S24 1988  
Pevsner, *A History of Building Types*, NA4170.P48 1976 (Chapter 9, "Hospitals")  
Poynter, *The Evolution of Hospitals in Britain*, 1964  
Rosenberg, *Care of Strangers: the Rise of America's Hospital System*, 1995  
Stevenson, *Medicine and Magnificence: British Hospital and Asylum Architecture 1660-1815*, 2000  
Stone, "Elements of the Hospital 1300-1900," *Architectural Review*, June 1965  
Thompson & Goldin, *The Hospital: a Social and Architectural History*, 1975  
Turner, *The Dictionary of Art*, Reference-N31.D5 1996, "Hospital"

#### HOSPITALS, 1950s

"Hospitals," *Architectural Record*, August 1945 (Building types study)  
"Hospitals," *Architectural Record*, October 1954 (Building types study)  
"Hospitals," *Architectural Record*, November 1957 (Building types study)  
"Hospitals and Health Facilities," *Architectural Record*, March 1954 (Building types study)  
"Tomorrow's Hospital Must Be Different," *Architectural Forum*, February 1950

#### HOSPITALS, 1960s

"Changes in Hospital Design," *Architectural Forum*, April 1964  
"Hospital Design Analysis," *Architectural Forum*, October 1962  
"Needs, Completions and Medical Technologies," *Architectural Record*, September 1967  
"Patients' Rooms: Why So Ugly?" *Progressive Architecture*, July 1966

#### HOSPITALS, 1970s

Bobrow, "Planning for a Changing System of Health Service," *Architectural Record*, December 1970  
"Hospital Design: a Survey," *Architecture*, January 1971  
McLaughlin, "Monumental Hospitals Are Usually Functional Disasters," *Architectural Record*, July 1976  
"Psychology of Hospital Design," *Interior Design*, January 1977

#### HOSPITALS, 1980s

Eisele et al., *The Medical Staff and the Modern Hospital*, 1985  
Hardy & Lammers, *Hospitals: the Planning and Design Process*, 1986  
"Hospitals," *Architectural Record*, October 1987 (Building types study)  
"Hospitals," *Architectural Record*, April 1989 (Theme issue)  
James & Tatton-Brown, *Hospitals: Design and Development*, 1986  
Robinson & Clarke, *The Hospital Care of Children: a Review of Contemporary Issues*, 1980  
Snook & Ruck, *Using Hospital Space Profitably*, 1987

#### HOSPITALS, 1990s

Ginzberg, *Tomorrow's Hospital*, 1996  
Hosking & Haggard, *Healing the Hospital Environment: Design, Management & Maintenance of Healthcare Premises*, 1999  
"Hospitals," *Architectural Record*, June 1990 (Theme issue)  
"Hospitals That Connect with Communities," *Architectural Record*, July 1999 (Theme issue)  
Komiske, *Designing the World's Best Children's Hospitals*, 1999  
U.S. News & World Report, *America's Best Hospitals*, 1995  
"Wither the Hospital?" *Architectural Record*, July 1997  
AIA & U.S. Dept. of Health, *Guidelines for the Construction & Equipment of Hospital and Medical Facilities*, RA967.G83 1993  
Cox & Groves, *Hospitals and Health Care Facilities*, RA967.C65 1990

#### HOSPITALS, 2000s

American Hospital Association, <http://www.aha.org/>  
American Hospital Directory, <http://www.ahd.com/> (Statistics)  
Hospital Medicine, <http://hospitalmed.com/> (Professional magazine; see the bulletin board)

#### MEDICAL BUSINESS, LABOR & MANAGEMENT

Annas, *The Rights of Patients: the Basic ACLU Guide*, 1989  
Beauchamp, *Principles of Biomedical Ethics*, 4<sup>th</sup> ed., 1994

de Vise, *Misused and Misplaced Hospitals and Doctors*, RA446.D48 1973  
Financial Times Life Sciences Quarterly Review, <http://www.ft.com/lifesci/>  
Healthcare Business Media, Inc., <http://www.healthcarebusiness.com/>  
Henderson, *Social Medicine Reader*, 1997  
Joint Commission on Accreditation of Healthcare Organizations, <http://www.jcaho.org/>  
Kruzas, *Encyclopedia of Medical Organizations and Agencies*, 4<sup>th</sup> ed., 1992  
Medical Economics Magazine, <http://www.pdr.net/memag/index.htm>  
Nightingale, *Notes on Nursing: What It Is and What It Is Not*, 1992  
Rothstein, *Readings in American Health Care: Current Issues in Socio-Historical Perspective*, 1995  
Shortell, *Remaking Health Care in America*, 2<sup>nd</sup>, 2000

#### MEDICAL EQUIPMENT

Amputee Resource Foundation of America, <http://www.usinternet.com/users/AIPikeCP/>  
Baker, *Machine in the Nursery: Incubator Technology & the Origins of Newborn Intensive Care*, 1996  
Bennion, *Antique Medical Instruments*, 1979 (Classic)  
Berquist, *Imaging Atlas of Orthopedic Appliances and Prostheses*, 1995  
Beutel, *Handbook of Medical Imaging*, 2000  
Bio Supply Net, <http://www.biosupplynet.com/>  
Chen, *Basic Radiology*, 1996  
Laboratory Equipment Online, <http://www.labequipmag.com/>  
Medical Design Online, <http://www.medicaldesignonline.com>  
Medico Professional Linen Service, <http://www.medicolinen.com/> (Garment retailer)  
Rostenberg, *The Architecture of Imaging*, 1995 (On special requirements of imaging equipment)  
Wilber, *Antique Medical Instruments*, 2000

#### MEDICAL OFFICES, CLINICS & OTHER FACILITIES

Abortion Clinics Online, <http://www.gynpages.com/>  
Billig, *The Ambulatory Surgery & Outpatient Services Manual: Facility Design, Operations, Case Costing*, 1997  
Freeman, *Standard Operating Procedures for Dentists*, 1997  
Friend & Shiver, *Freestanding Emergency Centers: a Guide to Planning, Organization and Management*, 1985  
Gallup, *Wellness Centers: a Guide for the Design Professional*, 1999  
Levoy, *101 Secrets of a High-Performance Dental Practice*, 1997  
Malkin, *Medical and Dental Space Planning*, 2<sup>nd</sup> ed., 1989  
Malony, *The Dermatologic Surgical Suite: Design & Materials*, 1997  
"Medical Office Buildings," *Architectural Record*, December 1950 (Theme issue)  
Mosby-Year Books, *The Year Book of Plastic, Reconstructive and Aesthetic Surgery* (updated each year)  
Neoforma, <http://www.neoforma.com/nf/> (Consultant with info on various room types)  
Smith, *The Family Birthplace: Planning and Designing Today's Obstetric Facilities*, 1995  
Tootelian, *Essentials of Pharmacy Management*, 1993

#### MEDICAL REFERENCE

Berkow, *The Merck Manual of Diagnosis and Therapy*, 17<sup>th</sup> ed., 1999  
Collin, *Dictionary of Medicine*, 3<sup>rd</sup>, 2000  
Emergency Medical Services, <http://www.emsmagazine.com/> (Electronic version of professional magazine with full-text articles)  
Freed, *The Patient's Desk Reference: Where to Find Answers to Medical Questions*, 1993  
Frenay, *Understanding Medical Terminology*, 10<sup>th</sup>, 1997  
Miller, *Encyclopedia and Dictionary of Medicine, Nursing & Allied Health*, 6<sup>th</sup>, 1997  
Morton, *Information Sources in the Medical Sciences*, 4<sup>th</sup> ed., 1992  
National Institute of Health (NIH) and National Library of Medicine Medline, <http://www.nlm.nih.gov/databases/freemedl.html>  
(Powerful searchable database with three components: MedlinePlus finds consumer medical information, Pubmed is an index of professional medical and biological literature that provides abstracts, Internet Grateful Med permits searches by medical specialization)  
New York Online Access to Health (NOAH), <http://www.noah.cuny.edu/alternative/alternative.html> (On alternative medicines)  
Walton, *The Oxford Companion to Medicine*, 2001  
*Meriam-Webster's Medical Desk Dictionary*, 1998  
Yahoo! Health, <http://health.yahoo.com/> (News and extensive, categorized links)

## MENTAL HEALTH FACILITIES

- APAS, *Diagnostic & Statistical Manual of Mental Disorders: DSM-IV-TR*, 4<sup>th</sup>, 2000  
Bhurgra, *Homelessness and Mental Health*, 1996  
Foucault, *Madness and Civilization: a History of Insanity in the Age of Reason*, 1967 (Unreliable but provocative polemic)  
Historic Asylums: Vanishing State Hospitals and Insane Asylums of America, <http://www.darkspire.org/asylums/> (Excellent)  
Howell, "Deinstitutionalization of the Mentally Ill," *Journal of Architectural & Planning Research*, Winter 1991  
Jetter, *Grundzüge der Geschichte des Irrenhauses*, 1981  
"Mental Care Facilities," *Architectural Record*, June 1983 (Theme issue)  
Mental Health Net, <http://mentalhealth.net/> (Extensive, categorized links)  
Micale & Porter, *Discovering the History of Psychiatry*, 1994  
Porter, *A Social History of Madness: Stories of the Insane*, 1987  
Scull, "A Convenient Place to Get Rid of Inconvenient People: the Victorian Lunatic Asylum," in *Buildings and Society*, NA2543.S6  
Scull, *Museums of Madness: the Social Organization of Insanity in 19<sup>th</sup> Century England*, 1979  
Still & Velody, *Rewriting the History of Madness: Studies in Foucault*, 1992  
Tomes, *The Art of Asylum-Keeping: Kirkbride and the Origins of American Psychiatry*, 1994  
Turner, *The Dictionary of Art*, Reference-N31.D5 1996, "Asylum"

## NURSING HOMES

- American Seniors Housing Association, <http://www.asha.nmhc.org/default.html>  
Assisted Living Federation of America, <http://www.alfa.org/>  
Brawley, *Designing for Alzheimer's Disease: Strategies for Creating Better Care Environments*, 1997  
Breger & Pomeranz, *Nursing Home Development: a Guide to the Planning, Financing and Construction*, 1985  
Contemporary Long Term Care, <http://www.cltcmag.com/>  
Extended Care Information Network, <http://www.extendedcare.com/hospice/toc.htm>  
Hiatt, *Nursing Home Renovation*, RA998.5.H53 1991  
Johnson & Grant, *The Nursing Home in American Society*, 1985  
McFarlane, *Compete Bedside Companion: a No-Nonsense Guide to Caring for the Seriously Ill*, 1999 (Hospice & home-care guide)  
Robson, *Homes for the Third Age*, 1998  
Schwarz, *Aging, Autonomy and Architecture: Advances in Assisted Living*, 1999  
Stoddard, *The Hospice Movement: a Better Way of Caring for the Dying*, 1978  
Tetlow, "Supportive Housing," *Interiors*, November 1993  
Torrington, *Care Homes for Older People*, 1996

## REPRESENTATIONS OF HEALTH SERVICE BUILDINGS IN ART, LITERATURE, MOVIES

Literature, Arts & Medicine Database, <http://endeavor.med.nyu.edu/lit-med/lit-med-db/topview.html> (Excellent)

### ART

- Appelboom & Bluard, *Art de guérir: images de la pensée médicale à travers les temps*, 1997  
Burns, *A Morning's Work: Medical Photographs from the Burns Archive 1843-1939*, 1998  
Cazort, *The Ingenious Machine of Nature: Four Centuries of Art & Anatomy*, NC760.C39 1996  
Darling Biomedical Library, <http://www.library.ucla.edu/libraries/biomed/his/hisdiv.htm> (Several online image databases)  
"Delerium," *Aperture*, no. 148, Summer 1997 (Theme issue on madness)  
Gilman, *Disease and Representation: Images of Illness from Madness to AIDS*, 1988  
Gilman, *Seeing the Insane*, 1982  
Helfand, *Potions, Pills & Purges: the Art of Pharmacy*, 1995  
Herreman, *To Cure and Protect: Sickness and Health in African Art*, 1999  
Jones, *Medieval Medicine in Illuminated Manuscripts*, 1998  
Murken, *Das Bild des deutschen Krankenhauses im 19. Jahrhundert*, 1978  
Schulevitz, "Second Opinions," *Art News*, February 1991  
Witkin, *Harms Way*, 1994 (Photographs of 19<sup>th</sup> and early 20<sup>th</sup> Century medical oddities)

### LITERATURE

- Hawkins, *Teaching Literature and Medicine*, 2000  
*Literature and Medicine* (Periodical published once per year by Johns Hopkins University Press)  
Molière, *l'Amour médecin & Médecin malgré lui* (both 1663), *Malade imaginaire* (1671)  
Mukand, *Sutured Words: Contemporary Poetry about Medicine*, 1987  
Scarry, *The Body In Pain*, BJ1409.S35 1985  
Shaw, *The Doctor's Dilemma*, 1897

Thiher, *Revels in Madness: Insanity in Medicine and Literature*, 1999

(Doctors who were writers: Theocritus, Rabelais, Thomas Browne, Chekhov, Williams)

#### MOVIES & TV

Institutionalization filmography & bibliography, <http://endeavor.med.nyu.edu/lit-med/lit-med-db/webdocs/webkeywords/institutionalizat.kw.html#Artlabel>

Paietta & Kauppila, *Health Professionals on Screen*, 1999

Turow, *Playing Doctor: Television, Storytelling and Medical Power*, 1989

#### VETERINARY FACILITIES

Black's Veterinary Dictionary, 18<sup>th</sup> ed., 1995

Fraser, Merck Veterinary Manual, 7<sup>th</sup> ed., 1991

Knapp, *The Floor Plan Book: Veterinary Hospital and Boarding Kennel Planning & Design*, 1996

Opperman, *Art of Veterinary Practice Management*, 1999

*Veterinary Economics* (Covers design & sponsors an annual design competition. See <http://www.vetmedpub.com> for useful links)

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