

CHILDREN'S HOSPITAL BOSTON

Division of
General Pediatrics

Clinical and Research Fellowships



Children's Hospital Boston



HARVARD MEDICAL SCHOOL
Department of Pediatrics



Children's Hospital Boston

Fellowship Programs

in the Division of General Pediatrics

Children's Hospital Boston, dedicated to excellence in patient care, teaching and research, is the largest pediatric medical center in the United States and the major pediatric teaching facility for Harvard Medical School. Founded in 1869, the hospital is a comprehensive medical center for the care of patients from birth to adulthood.

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Division Mission Statement

The Division of General Pediatrics at the Children's Hospital, Boston seeks to enhance the lives of children and families, through service, research, and teaching.

To accomplish this overall mission the Division strives to:

- **provide a full range of medical and habilitative services** for children and their families so that they may maximize the quality of their lives in the community;
- **conduct research** leading to the development of innovative methods for providing support and assistance to children and their families;
- **build the capacity** in the community, the family and other health services to support children at all stages of their development;
- **provide training and career development supports** for staff through the provision of mentorship experiences and structured training activities for professionals who are providing, or will provide, health and habilitative services to children and their families.

These activities expand the opportunity to ensure the quality of the life of children and their families and to further the core body of knowledge in assisting children now, and in the future, to realize their full potential.

The key aspects of the Division's activities are organized around the three areas of service, teaching and research.

The major target audiences served by the activities of the Division are the child and family, health care providers, and the community. Within these target audiences the Division and its various programs have developed specific goals and objectives. It is the purpose of the Division to enhance both directly and indirectly the quality of life of children and families in our own community, region, and throughout the U.S.



Which Fellowship is for Me?

The Division of General Pediatrics currently offers five fellowship programs for physicians who have completed their pediatric residency training:

CLINICAL FELLOWSHIPS

General Academic Pediatrics Fellowship

Developmental-Behavioral Pediatrics Fellowship

Neurodevelopmental Disabilities Fellowship

Pediatric Environmental Health Fellowship

RESEARCH FELLOWSHIPS

Harvard Pediatric Health Services Research Fellowship

CLINICAL FELLOWSHIPS

The clinical fellowships provide appropriate clinical experience together with research and project work. The clinical experience is gained in programs at Children's Hospital, community health care centers, schools and other facilities. The fellowship program in Pediatric Environmental Health provides advanced training in children's environmental health issues. Coursework at the Harvard School of Public Health and other graduate schools is available.

RESEARCH FELLOWSHIPS

The Harvard Pediatric Health Services Research Fellowship includes some clinical experience but the prime focus is on research training and the development and completion of research projects to presentation and publication stage. Part of the research training takes the form of coursework at the Harvard School of Public Health leading to the MPH degree. The Harvard Pediatric Health Services Research Fellowship is a Harvard-wide program, involving a partnership of Children's Hospital Boston, the Department of Ambulatory Care and Prevention at Harvard Pilgrim Health Care, and the MassGeneral Hospital for Children.

Whichever program you choose, an extensive range of expertise and experience in pediatrics is available at the Children's Hospital. The Division is particularly interested in highly qualified minority pediatricians whose careers would be advanced by a training opportunity in the Division. If you have an idea of the kind of field or training you would like to pursue, you should speak to the Division staff listed here.



FELLOWSHIP CONTACT INFORMATION

General Academic Pediatrics

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Developmental-Behavioral Pediatrics

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Neurodevelopmental Disabilities

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Pediatric Environmental Health

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Harvard Pediatric Health Services Research

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General Academic Pediatrics Fellowship

GOALS

- 1 To prepare fellows for academic leadership careers by providing them with the requisite skills to become effective clinicians, creative teachers, and knowledgeable and productive researchers in the field of general academic pediatrics.
- 2 To provide fellows with an understanding of how biologic, psychologic and social factors inter-relate and determine patterns of childhood morbidity.
- 3 To ensure that fellows develop organizational and management skills and an understanding of medical administration.

The General Academic Pediatrics Fellowship provides training in the broad field of general academic pediatrics over a period of two to three years, and is part of the Harvard-wide collaborative program to develop General Internal Medicine and General Pediatrics faculty who can conduct research relevant to primary care.

Training will include the development of analytical skills sufficient to conduct independent clinical or health services research, and teaching skills appropriate for different learners and settings encountered by primary care faculty. Fellows will also gain a deeper understanding of the needs of special populations such as the medically underserved. In addition to the goals set out above, fellows are supported to meet one or more of the following objectives:

- 1 To develop quantitative and/or qualitative research skills that would enable them to work independently in research within an academic environment.
- 2 To develop expertise in the areas of clinical teaching and supervision, curriculum development and research in medical education.
- 3 To develop expertise in advocacy in the fellow's area of interest and to undertake an advocacy project at the local, state or federal level.

All General Academic Pediatric fellows provide **clinical care** in a primary care setting, either in the community or in the Children's Hospital Primary Care Center (a large continuity clinic with over 34,000 visits per year).

Fellows participate in ongoing **research** and are required to identify a research question and formulate their own research projects. Depending on their interests, these projects can be in traditional pediatric research topics



(such as immunization delivery, obesity prevention and teen parenting), or they may choose to undertake advocacy or educational projects.

Opportunities to teach residents and medical students are available in multiple locations, including the Harvard

Medical School Patient-Doctor and

Preventive Medicine courses, and the Boston Combined Residency Program.

The curriculum includes a component on **advocacy** which aims to foster the development of pediatricians who recognize the complex array of factors affecting the health and well-being of children. Fellows learn that advocacy includes direct clinical care, program development, scholarly documentation, teaching, multidisciplinary team activities and legislative interventions. Introductory seminars in legislative processes, cultural competency and the ethical conduct of research are included.

Fellows have the opportunity to enroll in an MPH degree program at the Harvard School of Public Health or in other appropriate programs including those at the Kennedy School of Government or at the Harvard Graduate School of Education.

CLINICAL TRAINING

Clinical experience is gained through participation in a variety of primary care clinics, schools, community health centers, and other community agencies and specialty clinics. Each first year fellow can expect to be assigned to at least 5 half-day clinical sessions per week, with a program that is tailored as much as possible to meet the fellow's learning agenda while still providing needed care for our patient population.

PRIMARY CARE PROGRAMS

Fellows participate in primary care programs located at Children's Hospital and in community sites. The primary care programs within the Children's Hospital are: the Children's Hospital Primary Care Center (CHPCC), which combines a faculty practice with the continuity practice of the hospital's 80 residents, and the Martha Eliot Health Center, located outside the hospital near the Bromley Heath housing development. In addition, the Division has long-standing affiliations with a number of community health centers and primary care sites, where fellows participate as primary care providers. Clinical fellows are scheduled to participate in weekday evening experiences in urgent care in a primary care setting.

continued on following pages

CLINICS

Growth and Nutrition Clinic

Specialty program for children with failure to thrive and other complex feeding problems.

One Step Ahead Program

Program within CHPCC helping patients who are also obese.

Young Parents Program

A teen-tot program that recently won the Ambulatory Pediatrics Association national award for best clinical program.

School Consultation Program

Primary care and consultative assistance regarding medical, developmental and behavioral concerns a variety of specialty and residential schools, including children with a history of abuse or with hearing and vision impairments.

Healthy Links

A specialty program within CHPCC helping patients who have asthma.

MEDICAL EDUCATION TRAINING

Medical education is an important component of the clinical training program. Staff of the Harvard Medical School Office of Educational Development collaborate in providing seminars and retreats in teaching. In addition, fellows participate in precepting residents and medical students in primary care and subspecialty settings. Fellows have the opportunity to participate in a number of educational and curriculum development projects at the Harvard Medical School and in the Boston Combined Residency Program, the pediatric residency program based at Children's Hospital and Boston Medical Center.

RESEARCH

Fellows identify an area of research interest during their first year and develop a study project under the guidance of a research mentor. Time is made available for project planning during the first year and for project work during the second year. Fellows are supported in preparing abstracts and publications. Courses in epidemiology and biostatistics are available at the Harvard School of Public Health.

SEMINARS

Clinical Pediatrics

Case discussions and analysis of current state-of-the-art issues in infectious diseases, chronic illness, complementary and alternative medicine, environmental issues, toxicology, and advocacy.

Community Pediatrics

Seminars discussing clinical and research implications of poverty, homelessness, child abuse and neglect, foster care and adoption, substance abuse on families and their children.

Fellows as Educators

Seminar directed by "Fellows as Educators" faculty at Harvard Medical School teaches the basics of teaching by lecture, case presentation, role playing, videotape observation, curriculum development and evaluation. Seminars are also conducted jointly with other teaching hospitals.

Fundamentals of Clinical Research

Research methods, experimental design, decision making, comparative studies, evaluation of neighborhood health centers, organizational problems, financial arrangements, evaluation of programs for children with disabilities, and audits.

Management

Organization of out-patient departments, financial and regulatory issues, private practice and regulations, automatic data processing, neighborhood health centers, and health maintenance organizations.

School Health

Adolescent growth and cognitive development, sports medicine, nutrition, AIDS education, psychiatric problems, school age gynecology, dental problems, and screening.

Social sciences in medicine

Ethics, qualitative methodology and medical sociology.

Statistics

Basic descriptive statistics, sampling, frequency distributions, techniques for comparing groups, relationships among variables, factor analysis, and use of computers.

Serving the underserved

A one-day retreat on topics related to underserved patients and cultural competency is held in conjunction with the Harvard General Internal Medicine fellows.



Developmental–Behavioral Pediatrics Fellowship

GOALS

- 1 To prepare fellows for academic leadership careers by providing them with the requisite skills to become effective clinicians, creative teachers, and knowledgeable and productive researchers.
- 2 To provide fellows with a theoretical framework in child development, intellectual and social functioning, and growth and development.
- 3 To provide fellows with a fundamental body of knowledge from the neurosciences relevant to behavioral pediatrics, including aspects of neuroembryology, neuroanatomy, neurophysiology, neuroradiology, neuropharmacology and psychopharmacology.

The Developmental-Behavioral Pediatrics Fellowship program began in 1991 with support from a Maternal and Child Health Bureau (MCHB) training grant. The program provides clinical experiences and theoretical training in child development, intellectual, social and emotional functioning, growth and development, toileting issues, and in the neurosciences relevant to developmental-behavioral pediatrics.

The program includes in-house seminars on behavioral neurology, research methodology, child development and interviewing and counseling skills. Coursework leading to the MPH degree at the Harvard School of Public Health (HSPH) is available in the second and third years, supported jointly by the MCHB grant and the HSPH. Emphasis is placed on the acquisition of basic research expertise as part of leadership training. Fellows develop their direct clinical skills while developing in their role as pediatric consultants.

During the three years of training, fellows also provide telephone consultation and urgent pediatric care as primary care providers. The fellowship is a 3-year ACGME accredited program and prepares the fellow to take the Developmental Pediatrics Boards.

RESEARCH

Fellows participate in weekly seminars that include didactic sessions and skills training in research design, methods and analysis. Each fellow will work directly with a research mentor. Fellows are expected to develop and complete a study project, and to present this at regional and national meetings, by the third year of their training.

SEMINARS

Clinical Pediatrics

Case discussions and analysis of current state-of-the-art issues in infectious diseases, chronic illness, complementary and alternative medicine, environmental issues, toxicology, and advocacy.

Community Pediatrics

Seminars discussing clinical and research implications of poverty, homelessness, child abuse and neglect, foster care and adoption, substance abuse on families and their children.

Fellows as Educators

Seminar directed by “Fellows as Educators” faculty at Harvard Medical School teaches the basics of teaching by lecture, case presentation, role playing, videotape observation, curriculum development and evaluation. Seminars are also conducted jointly with other teaching hospitals

Developmental pediatrics

Infant, preschool, school age and adolescent development, learning and language disabilities, mental retardation and developmental disorders.

Behavioral pediatrics

Temperament, preschool behavior, child psychiatry, the family base of pediatrics, foster care, the “best interest of the child” doctrine, serious psychopathology in children, sleep problems, effect of chronic illness on families.

Behavioral neurology

Weekly seminar which begins with a focus on basic neurobiology concepts including molecular biology and then moves to applied neuroscience and behavioral neurology.

Fundamentals of child psychiatry

Weekly seminar series conducted by a Child and Adolescent Psychiatrist on diagnosis and management of childhood mental disorders, including basics of psychopharmacology.

School Health

Adolescent growth and cognitive development, sports medicine, nutrition, AIDS education, psychiatric problems, school age gynecology, dental problems, and screening



Neurodevelopmental Disabilities Training Program

GOALS

- 1 Overall Goal: To prepare residents in Neurodevelopmental Disabilities with a broad range of clinical experiences and scientific foundation to be able to function as specialists in both clinical practice and academic settings, as well as leaders in the field.**
- 2 Year 1: To train residents in the inpatient and outpatient assessment and management of adults with neurologic disorders, including adults with chronic neurodevelopmental disabilities.**
- 3 Year 2: To train residents in the outpatient and inpatient care of children with neurologic disorders and neurodevelopmental disabilities.**
- 4 Year 3: To provide residents with supervisory clinical and basic science training in child neurology and neurodevelopmental disabilities.**
- 5 Year 4: To train residents in the inter-disciplinary assessment and management in children with neurodevelopmental disabilities, including issues relating to public and social policy issues.**

The Developmental Disabilities Fellowship began at Children's Hospital in 1967 and continues to be supported as a Leadership Education in Neurodevelopmental Disabilities (LEND) program by the U.S. Maternal and Child Health Bureau. The LEND program at Children's Hospital is part of the Institute for Community Inclusion (ICI), which is one of the University Centers for Education in Developmental Disabilities (UCEDD). A primary purpose of the program has been to prepare leaders in the field of developmental disabilities. In that respect, the training program has been committed to teaching the principles of family-centered, community-based coordinated care practices. It also strives to promote the guiding values of the UCEDD's mission, to create and preserve the quality of life for people with disabilities and their families.

With the advent of certifying boards in Neurodevelopmental Disabilities (NDD), the program is now ACGME accredited and has evolved into a four-year training program after two years of pediatrics. This program incorporates training experiences in pediatrics, child neurology, and allied fields such as genetics, physiatry, and psychiatry.

The NDD trainee will be expected to complete 12 months of adult neurology and adult neurodevelopmental disabilities. The next 24 months will consist of experiences in child neurology, as well as medical and developmental management of children with developmental disabilities and special health care needs. The last 12 months will involve training in interdisciplinary team assessments and participation in the formal LEND training program. The trainee will participate in various clinical and basic science

experiences related to the field, as well as having six months of elective time during his/her four years of training.

The developmental disabilities component of the training will consist of interdisciplinary assessment of infants, children, and adults with a wide range of developmental issues through the Developmental Medicine Center. Clinical experiences include, but are not limited to, evaluations of children with developmental delay, mental retardation, cerebral palsy, autism, communication disorders, learning disabilities, and problems of attention due to various etiologies. Outpatient and inpatient medical management and consultation experiences of children with complex medical problems and developmental disabilities are also provided. During this period fellows also provide telephone consultation and urgent pediatric care as primary care providers.

Applicants who plan to begin training after completion of the pediatric requirements, need to apply to the Neurodevelopmental Disabilities training program through the Department of Neurology at Children's Hospital. Upon completion of the training, individuals will be eligible for board certification in Pediatrics, Child Neurology, and Neurodevelopmental Disabilities. Those individuals who have already completed Child Neurology training and wish additional training to be eligible for Neurodevelopmental

Disabilities certification should directly contact the Division of General Pediatrics.

SEMINARS

The adult and child neurology clinical and didactic sessions are conducted under the auspices of the Department of Neurology, including basic sciences and

principles to assess and manage neurological disorders. The developmental disabilities didactic component is coordinated through the Division of General Pediatrics.

The trainee will be expected to participate in the seminar series for all clinical fellows working within the Developmental Medicine Center, including, but not limited to, Behavioral Neurology, Fundamental of Child Psychiatry, a Behavioral Pediatrics, and Clinical Pediatrics. In addition, during the period in which the trainee participates in the LEND program, he/she will attend:

Core Curriculum

A 2-semester series of 2-hour seminars taught by leading experts from various disciplinary backgrounds relevant to the field of developmental disabilities.

LEND Academy

- **Leadership Training:** Seminar series emphasizing methods to affect policy change in the field, as well as strategies to become effective teachers and academicians.
- **Faculty Mini-conferences:** Monthly interdisciplinary conferences presented by the core LEND faculty.
- **Journal Club:** Monthly conferences reviewing relevant historical and contemporary articles and research.
- **Academy Project:** The LEND trainees select a group research project to develop, complete, and present.



Pediatric Environmental Health Fellowship

GOALS

- 1 To introduce generalist pediatricians to issues in environmental health.
- 2 To educate pediatricians about the many interactions—biological, social and cultural—that occur between children and the environment.
- 3 To increase the quality and quantity of research and teaching in pediatric environmental health.
- 4 To create a cadre of leaders in this emerging discipline.



The fellowship training program in Pediatric Environmental Health is a 3-year fellowship designed to train pediatricians in the assessment and management of children whose health problems are related to the environment (for example, heavy metal poisoning, allergies and asthma, exposures to indoor

or outdoor pollution, toxic waste dumps, etc.) and to provide them with the necessary public health and research background to be successful academicians and physician scientists. The goal is to produce pediatricians who excel in community-based and primary care research addressing environmental health problems affecting children and who will become leaders in the emerging field of pediatric environmental health.

The program emphasizes teaching and research, the mastering of scientific and grant writing skills, and the development of effective advocacy skills and expertise in the critical review of the pediatric environmental health literature and risk assessment. The training sites for each fellow are tailored to his or her interests; the curriculum covers: didactic curriculum (30%), clinical practice (15%), community activities (15%), and research (40%). By the conclusion of the training period, all fellows will meet competencies in environmental pediatrics.

Fellows undertake advanced training in biostatistics and epidemiology, within a curriculum that includes the opportunity for a Master's degree in public health. Fellows will receive training in advocacy, linked to innovative clinical programs that include environmental law and public policy.

Fellows pursue an academic career trajectory. They have access to advance computer facilities and technologies available at the Channing Laboratory at the Harvard School of Public Health, and at the small animal facility at the Massachusetts College of Pharmacy. Fellows will rotate through the Pediatric Environmental Health Clinic which sees about 650 patients each year plus 20-30 inpatient consultation/admissions at Children's Hospital annually.



Harvard Pediatric Health Services Research Fellowship

GOALS

- 1** To train child health professionals so that they may complete excellent research that advances understanding of the U.S. health care system as it relates to children and families.
- 2** To provide a theoretical framework to trainees for understanding the U.S. health system for children, and its interface with other systems, including family, education, and welfare.
- 3** To provide trainees with practical experience in quality management in pediatric health care.
- 4** To provide fellows with career development skills to achieve success throughout their professional careers.



The Harvard Pediatric Health Services Research Fellowship is a university-wide joint program that includes Children's Hospital Boston, the Department of Ambulatory Care and Prevention at Harvard Pilgrim Health Care and Harvard Medical School, and the MassGeneral Hospital for Children. It provides advanced training in the skills required to carry out research to improve access, quality, outcomes, and cost-effectiveness of care for children. During the two-year fellowship, fellows conduct research supervised by an individual mentorship team. Fellows complete an MPH degree at the Harvard School of Public Health, with tuition support provided by the program. In addition, fellows attend two weekly seminar series that emphasize both substantive and methodological issues in assessing and improving health services for children.

This program offers collaborative training in pediatric health services research at the three Harvard-affiliated institutions. Multidisciplinary work is encouraged, as well as research targeting the health needs of vulnerable populations, including economically disadvantaged children and those with chronic conditions. Fellows include both pediatric generalists and joint subspecialty fellows, as well as postdoctoral child health researchers from a variety of medically-related disciplines. The program is funded by institutional National Research Service Awards from the Agency for Healthcare Research and Quality and the Health Resources and Services Administration.

Health services research at **Children's Hospital Boston** highlights the measurement of quality of care for children, the development and evaluation of clinical practice guidelines, the development of innovative strategies to improve care, and the assessment of these and other strategies for their impact on care and child health outcomes. Specific research initiatives focus on improving preventive services in primary care; assessing and improving care for children with asthma; measurement of the parent and patient perspectives of care; assessing the application of information technology to care; and reducing medical errors.

MassGeneral Hospital for Children offers access to an exceptionally diverse pediatric population in a broad range of care sites. This research group has focused on understanding variation in pediatric care practices, care of children with chronic illness and disability, and child health policy. The program maintains several large databases, including Medicaid claims files and national surveys.

The Department of Ambulatory Care and Prevention at **Harvard Medical School** and **Harvard Pilgrim Health Care** uses the managed care organization as a population laboratory for both observational and intervention studies. The research faculty and staff conduct studies to

improve the care of children with asthma, analyze the cost-effectiveness of care, promote judicious antibiotic prescribing, enhance care for underserved populations in managed care, and improve child growth and nutrition. Additionally, they pursue epidemiologic and physician practice change research in a broad range of clinical areas.

This program is the recipient of the 2003 Outstanding Teaching Award from the Ambulatory Pediatrics Association.

TRAINING ACTIVITIES

CLINICAL

Most fellows have completed a clinical fellowship year in a pediatric subspecialty or have clinical experience in a field related to child health. Fellows typically spend a half day or full day per week, or one month per year, in clinical experiences relevant to their disciplinary backgrounds. These experiences do not take place during the summers of intensive coursework.

RESEARCH

Fellows complete rigorous training in research methods through the Clinical Effectiveness concentration in the MPH program at the Harvard School of Public Health. In addition, fellows develop and complete a minimum of two research projects during the fellowship, including

presentation at national meetings and preparation of a manuscript for publication. Each fellow has a primary appointment at one of the three collaborating sites and has a primary research mentor in that site. Most fellows also prepare a grant proposal prior to completing the program.

SEMINARS

In addition to coursework at the Harvard School of Public Health, fellows participate in two weekly seminar series. The first series features senior scientists from the Harvard Medical School and greater Boston research community, and emphasizes ongoing research concerning health services for children. Additionally, each fellow leads a "work-in-progress" seminar every two months to gain feedback from the other members of the program and raise research issues. Fellows also participate in a second weekly seminar series that includes a journal club, workshops to learn skills necessary for academic progress such as grant preparation and career development, and a case-based seminar on dilemmas in health services research for children.

Please use application form B only for this fellowship.

Research and Project Opportunities

RESEARCH

Many research projects are in progress within the Division. These include studies of basic developmental and behavioral processes such as learning, sleep, and social interactions. In addition, members of the Division are involved in studies of the appropriateness of care, of interventions to improve care of children with asthma, and clinical studies of the functional correlates of chronic illness conditions such as congenital heart disease, renal disease, and AIDS.

Epidemiologic studies of handicapping conditions, reviews of poisonings, and studies of racial disparities in infant mortality are also taking place within the Division. Intervention studies include an intervention program for mothers who suffer from depression, and a program to provide community-based care for children with special health care needs. Regular research seminars are held.

Some current projects are:

- **Evaluation of asthma clinical guidelines**
- **Safety and efficacy trials of vaccines**
- **Effects of maternal depression on child development**
- **An implementation of medical homes for children with special health care needs**
- **Office management of adolescent substance abuse**
- **Development of a case-based curriculum for pediatric residents**

In recent years fellows have participated in the research efforts of the Pediatric Alliance for Coordinated Care, Project School Care, and Young Parents Program and on topics such as children's perceptions regarding stimulant usage, adolescents with encopresis, vagal reactivity and pain, parent's response to the diagnosis of autism, primary care education, interactive multimedia education, injury prevention, pain control methods in primary care practice, screening for sexual abuse, high risk behaviors in youth, and the effect of temperament on toileting.

(For a copy of the 2002 Division's bibliography, please email Joan Lowcock at joan.lowcock@childrens.harvard.edu)

Formal didactic sessions are offered on research design and basic statistical approaches. Fellows have access to methodologists and statisticians for help with planning studies and analyses, and when appropriate, research assistants can be assigned to help them with aspects of their research. Research computers and standard statistical software are available for use by fellows in all the programs.

MENTORS

Fellows are each assigned a mentor from among the senior faculty, who is responsible for providing advice and guidance through the entire program.



Children's Hospital and Harvard Medical School

CHILDREN'S HOSPITAL

Children's Hospital was founded in 1869 as a 20-bed hospital. In 2003 there were over 17,000 inpatient admissions plus over 2,600 observation admissions to the hospital; 250,000 medical and surgical outpatient visits, and 50,000 emergency room visits. The Department of Medicine (in which the Division of General Pediatrics is located) accounts for nearly half of the inpatient beds, and 139,000 of the outpatient visits.

There are more than 100 outpatient programs ranging from primary care services (such as the Children's Hospital Primary Care Center), to a wide variety of specialty programs. Many of these programs are offered in the Division of General Pediatrics, and provide the clinical experiences which are an important component of fellowship training.

The programs within the Division are:

- **Developmental Medicine Center**
- **Children's Hospital Primary Care Center**
- **Martha Eliot Health Center**
- **Child Development Unit**
- **Family Development Program**
- **Institute for Community Inclusion**
- **Pediatric Environmental Health Program**
- **Coordinated Care Service**
- **Adoption Program**

HARVARD UNIVERSITY

Children's Hospital is the primary pediatric teaching hospital for the Harvard Medical School, and all of the faculty at the Division of General Pediatrics hold concurrent academic appointments at the medical school. Medical student teaching occurs in many of the Division's clinical settings. The hospital also has a close relationship with the Harvard School of Public Health, where Division faculty teach and hold academic appointments.

Fellows in the Division are appointed Clinical Fellows at Harvard, and participate in precepting medical students.

Information on courses at the Harvard School of Public Health is available from:

Registrar
Harvard School of Public Health
677 Huntington Avenue
Boston, MA 02115
617 432-1032 / 617 432-2009 (fax)

Core Faculty

JUDITH S. PALFREY, M.D.

Chief, Division of General Pediatrics

LISA ALBERS, M.D., M.P.H.

Director, Clinical Fellowship Training, and Developmental Medicine Center

DAVID BELLINGER, PH.D.

Research Associate, Department of Neurology

ALLEN CROCKER, M.D.

Program Director, University Affiliated Program

JOANNE COX, M.D.

Associate Chief, Division of General Pediatrics, Director General Academic Pediatrics Fellowship, Medical Director, Children's Hospital Primary Care Center

SANDRA FRIEDMAN, M.D., M.P.H.

Director of Pediatric Training, University Center for Excellence in Developmental Disabilities, and Neurodevelopmental Disability Fellowship

DONALD GOLDMANN, M.D.

Medical Director, Quality Improvement Department; Hospital Epidemiology

STUART GOLDMAN, M.D.

Department of Psychiatry

JANET HAFLER, PH.D.

Director, Office of Educational Development, Harvard Medical School

DAVID HELM, PH.D.

Director, Interdisciplinary Training, University Center on Developmental Disabilities

NOELLE HUNTINGTON, PH.D

Division Research Coordinator

JOHN KNIGHT, M.D.

Director, Center for Adolescent Substance Abuse Research

SHARON MURET-WAGSTAFF, PH.D.

Associate Director, Health Services Research Program

JANE O'BRIEN, M.D.

Director, Coordinated Care Services

LEONARD RAPPAPORT, M.D.

Associate Chief, Division of General Pediatrics, and Director, Developmental Medicine Center

RONALD SAMUELS, M.D., M.P.H.

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ALISON SCHONWALD, M.D.

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JANICE WARE, PH.D.

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KIM WILSON, M.D., M.P.H.

Director of Pediatrics, Martha Eliot Health Center

ALAN WOOLF, M.D., M.P. H.

Director, Pediatric Environmental Medicine Program



Fellowship Appointment and Application Information

Entry into the fellowship program is typically at the PL-4 level (fourth year post-M.D.) or later. In some circumstances arrangements can be made for entry at the PL-3 level to a combined senior resident/general pediatrics fellow year, which is approved by the American Board of Pediatrics. Fellows receive a concurrent appointment of Clinical Fellow in the Harvard Medical School because they participate in the teaching of medical students.

Applications and inquiries from physicians seeking training or experience are always welcome. The Division is particularly interested in applications from highly qualified minority pediatricians.

A visit to the Division and its programs will usually provide a comprehensive picture of the Division's activities and approaches to general pediatric care, and an opportunity to meet with current fellows.

Two application forms are enclosed at the back of the brochure. Form A should be used for any of the clinical fellowships, and *Form B* for the Health Services research fellowship. The appropriate form should be completed and returned as early as possible to allow time for interviews. Applications may be submitted at any time after April 1 of the year preceding the start of the fellowship (e.g., April 2004 for a start in July 2005); preference is given to those applications that are received prior to September 1. Interviews are offered to selected candidates in September and October and most final decisions are made by November 30 each year.

International candidates: International medical graduates may apply. However, most of our fellowships are funded by the U.S. Federal government, and stipends are generally limited to U.S. citizens or permanent residents. International graduates should apply only if they can obtain complete financial support from their home governments or institutions, and if they are otherwise completely eligible for a license to practice medicine in the United States. Due to limitations on faculty resources, we cannot accommodate observational experiences; all fellows must be fully licensed and credentialed so that they can participate in patient care. They must have passed the ECFMG examination and have a valid, current certificate as a prerequisite to any other visa or license application. In addition, international applicants must be fluent in both written and spoken English. Inquiries regarding specific individual circumstances may be directed to Joan Lowcock.

INQUIRIES CAN BE MADE TO:

Joan Lowcock
Manager, Division of General Pediatrics
Children's Hospital
300 Longwood Avenue
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(617) 355-6714
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Children's Hospital
Division of General Pediatrics



**FELLOWSHIP APPLICATION
FORM A**

Please complete all sections below and attach your CV. For the Research Fellowships, please use Form B.

1 NAME _____ P.L. _____

BUSINESS ADDRESS _____

BUSINESS PHONE _____

HOME ADDRESS _____

HOME PHONE _____ PAGER _____

EMAIL _____ FAX _____

APPLICATION FOR

- General Academic Pediatrics Fellowship
- Developmental-Behavioral Pediatrics Fellowship
- Neurodevelopmental Disabilities Fellowship
- Pediatric Environmental Health Fellowship

STARTING _____

2 LICENSURE

STATE _____ FULL LIMITED

STATE _____ FULL LIMITED

STATE _____ FULL LIMITED

INTERNATIONAL MEDICAL GRADUATES ONLY:

ECFMG CERTIFICATE NO _____

EXPIRY _____

U.S. CITIZEN OR
PERMANENT RESIDENT: YES NO

3 PLEASE INDICATE YOUR INTERESTS IN THE VARIOUS AREAS WITHIN GENERAL PEDIATRICS

MAJOR INTEREST _____

OTHER INTERESTS (PUT 1 FOR "STRONG" AND 2 FOR "MODERATE")

_____ () _____ ()
 _____ () _____ ()
 _____ () _____ ()
 _____ () _____ ()

INTERESTS: SOME EXAMPLES

- | | |
|---------------------|---------------------|
| Primary Care | Mental Retardation |
| Behavioral Problems | Advocacy |
| Child Development | Medical Education |
| Special Needs | Quality Improvement |
| Genetic Disorders | Health Care Mgmt. |
| Health Care | Legislation & |
| Economics | Public Policy |

PLEASE WRITE A BRIEF RESPONSE TO EACH OF THE FOLLOWING QUESTIONS ON SEPARATE SHEETS OF PAPER:

- 4** What prior experience have you had in general pediatrics, child advocacy, developmental-behavioral pediatrics and/or developmental disabilities? How has this influenced your life and career?
- 5** Please describe a particular problem or subject area in child health on which you would like to concentrate during your fellowship training.
- 6** Please describe any prior research experience. Describe or list any research questions that you would like to answer during the course of your fellowship.
- 7** What are your overall career goals? Describe what you would like to be doing professionally five years from now. How do you anticipate this fellowship will assist you in your plan?
- 8** **References.** *Please ask three references to write to Dr. Palfrey. They should provide knowledgeable assessment of your background and training, clinical abilities, teaching and leadership potential, and capacity for research or other project activities. List their names, full addresses, and telephone numbers below. Current residents and those who have completed their training within the past five years should list their Department Chair, Director of Residency Training, and one other (current) reference of their choice.*

NAME _____ PHONE _____

ADDRESS _____

CITY, STATE, ZIP _____

NAME _____ PHONE _____

ADDRESS _____

CITY, STATE, ZIP _____

NAME _____ PHONE _____

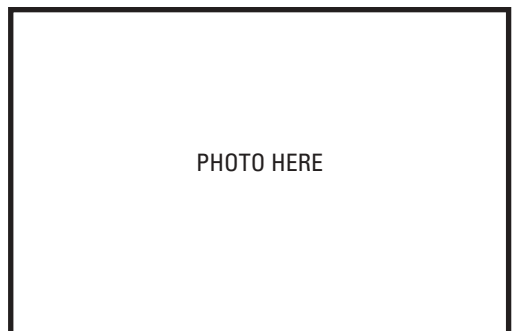
ADDRESS _____

CITY, STATE, ZIP _____

SIGNED _____ **DATE** _____

PLEASE RETURN COMPLETED FORM TO:

Gwendolyn Gilmer
Division of General Pediatrics
Children's Hospital
300 Longwood Avenue
Boston, MA 02115
Phone: 617-355-5010 Fax: 617-730-0633





FELLOWSHIP APPLICATION FORM B

NAME _____

PROFESSIONAL DEGREE _____

CURRENT POSITION _____

MAILING ADDRESS _____

TELEPHONE _____

FAX _____

EMAIL ADDRESS _____

APPLICATION FOR

- Harvard Pediatric Health Services Research Fellowship only
- Children's Hospital Primary Care Research Fellowship only
- Both

YEAR IN WHICH YOU WISH TO ENTER FELLOWSHIP: _____

PLEASE ENCLOSE:

- 1** Curriculum vitae
- 2** Personal statement of no more than two pages explaining your career goals, how the fellowship program would further these goals, and the type of research questions you would like to address

Please list the 3 persons (and their positions and institutions) whom you have asked to send reference letters directly to the Admissions Committee at the address below:

- 1** _____
- 2** _____
- 3** _____

SIGNED _____

DATE _____

PLEASE RETURN THIS APPLICATION TO:

Sharon Muret-Wagstaff, Ph.D.
 Associate Director
 Health Services Research Fellowships
 Children's Hospital
 300 Longwood Avenue, LO-244
 Boston, MA 02115

QUESTIONS:

617-355-8298

