Betsy Busch, M. D.

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### Curriculum Vitae

**TRAINING AND CERTIFICATIONS:**

**A. B.** *cum laude*, Barnard College, Columbia University; Honors in Biology, 1971

**M. D.**, Tufts University School of Medicine, 1975

**Internship and Residency**, The Children’s Hospital Medical Center, Boston, MA, 1975-1978

**Fellowship in Developmental-Behavioral Pediatrics**, The Children’s Hospital Medical Center,

Boston, MA, 1978-1981

**Graduate studies** in Developmental Neuropsychology, Clinical Child Neuropsychology and Adult

Neuropsychology, Boston University, and Statistical Analysis, Harvard University and Boston College,

through Clinical Investigator Development Award, NINDS, National Institutes of Health, 1988-1993

**Certification** in Pediatrics, American Board of Pediatrics, 1981.

**Re-Certification** in Developmental-Behavioral Pediatrics, American Board of Pediatrics, 2012.

**Member**, Academy of Pharmaceutical Physicians and Investigators (APPI) and Association of Clinical Research Professionals (ACRP), 2007-2011

**CLINICAL, ACADEMIC AND ADMINISTRATIVE RESPONSIBILITIES:**

**Private Practice** of Developmental-Behavioral Pediatrics, with emphasis on diagnosis and treatment of ADHD, learning disorders and their comorbidities, Chestnut Hill, MA, 1993-

**Associate Clinical Professor of Pediatrics**, Tufts University School of Medicine (**TUSM**), Boston, MA, 2001-

**Member**, Dean’s Search Committee for the Dean of Multicultural Affairs, TUSM, 2007.

**Member**, Learning Communities Working Group, Curriculum Revision Strategic Planning, TUSM, 2007-2008

**Research Director**, Center for Children with Special Needs, The Floating Hospital for Infants and Children,

Boston, MA, 1992-1993

**Founding Clinical Director**, Center for Children with Special Needs, The Floating Hospital for Infants and Children,

Boston, MA, 1989-1992. Hired multidisciplinary staff from 9 different disciplines, developed policies and

procedures for multidisciplinary patient evaluations, follow-up visits and all staff clinical, teaching and

administrative duties for a staff of 16.

**Director**, School Performance Consultation Program, The Floating Hospital for Infants and Children,

Boston, MA, 1981-1989.

**Attending Physician**, Inpatient General Pediatrics Service, The Floating Hospital for Infants and Children,

Boston, MA, 1981-1989.

**Assistant Professor of Pediatrics**, TUSM, Boston, MA, 1981-2001.

**SCIENTIFIC JOURNAL EXPERIENCE:**

#### Clinical Editor, *Advances in ADHD*, 2009-2010

**Invited Reviewer** for:

• *Journal of Developmental-Behavioral Pediatrics*

*• Pediatrics*

*• Archives of Pediatrics and Adolescent Medicine*

*• American Journal of Medical Genetics, Part B: Neuropsychiatric Genetics*

*• Journal of Attention Disorders*

*• Journal of Child and Adolescent Psychopharmacology*

*• American Journal of Mental Retardation*

*• Developmental Medicine & Child Neurology*

*• European Neuropsychopharmacology*

*• World Journal of Biological Psychiatry*

*• Neuropsychiatric Genetics*

*• Advances in ADHD*

*• Journal of Nervous and Mental Disease*

**CONSULTING EXPERIENCE:**

**Clinical Advisory Boards** and/or Speakers’ Bureaus for:

• Ortho-McNeil – now Janssen Pharmaceuticals (Concerta©)

• Shire (Adderall©, Adderall-XR©, Daytrana©)

• Eli Lilly & Company(Strattera©)

• Cephalon – now Teva Pharmaceuticals (Sparlon©)

• Forest Laboratories (Lexapro©)

• Shionogi (Kapvay©)

• Next Wave – now Pfizer (Nexiclon© and NWP06 [now Quillivant-XR])

• Alcobra Ltd. (Metadoxine)

**Major-Minor League Baseball (MLB)**, Certified Consulting Physician, 2010-

**Human Investigation Review Committee**, Tufts Medical Center, 1989-2001

This is the Institutional Review Board for all human subjects research at both Tufts Medical Center and

Tufts University School of Medicine, Certification in DHHS regulations regarding the protection of human

research subjects, University of Rochester School of Medicine & Dentistry, 2000.

**External Consultant**, Educational Testing Service, Princeton, New Jersey, for *ETS Guidelines for*

*Documentation of Psychiatric Disabilities in Adolescents and Adults*, 2001

**Consultant** to homeowners’ insurance industry: children with lead poisoning, 1994-

**Expert witness and consultant** in various child-related legal matters, 1993-

**Consultant** to National Elevator Industry Educational Program (NEIEP): industry-wide training and

test accommodations for promotion-related testing programs, 1993-

**Consultant** to Tufts University School of Medicine, Dean of Students re: confirming presence of disability and recommendations for appropriate test accommodations for medical students with disabilities, 1986-

**Consultant** to MA Department of Education: professional training re: teaching children & adolescents with ADHD, 1993-4

**VOLUNTEER/COMMITTEE EXPERIENCE:**

**Tufts University – Trustee of the University 2011-**

• **Academic Affairs Committee, 2011-**

**• Honorary Degree Committee, 2014-**

**• Tisch College of Citizenship & Public Service, Board of Advisors, 2014-**

**Massachusetts Children’s Trust (formerly Massachusetts Children’s Trust Fund):**

• **Gubernatorial Appointee**, Board of Directors, Massachusetts Children’s Trust (a public-private partnership

dedicated to family support, parent education and the prevention of child abuse in Massachusetts), 1995-

(most recent re-appointment: December 2011)

• **Chairperson**, Program Development and Evaluation Committee, Massachusetts Children’s Trust

(oversight of $10 million-$22 million annual program budget), 1997- 2013

• **Member**, Strategic Planning Committee, 2009-

• **Chairperson**, Family Development Certification Initiative, Massachusetts Children’s Trust, 2001-2006

• **Member**, Executive Committee, 1997-

**Tufts Medical Alumni Association, Alumni Executive Council, Tufts University School of Medicine**:

• **President**, 2006-2008

• **Vice –President**, 2004-2006

• **Secretary-Treasurer**, 2002-2004

• **Elected Member**, Nominating Committee, 1999-2002

• **Elected Member**, 1992-

**Tufts University Alumni Association:**

• **Member**, Executive Committee, 2010-2011

• **Member**, Tufts Alumni Strategic Planning Committee, 2009-

• **Appointed Co-chair,** Tufts Alumni Special Interest Groups, 2008-

• **Elected** Medical Alumni Representative, 2006-

**American Professional Society for ADHD and Related Disorders (APSARD):**

• **Secretary**, Board of Directors*,* 2010-

• **Course Co-Director**, *ADHD Advances: Challenges & Opportunities*. Washington, D.C., 2013.

•  **Course Co-Director**, *ADHD: Current Concepts & Future Developments****.*** Washington, D.C., 2012.

• **Course Co-Director**, *Adult* *ADHD: Current Concepts &Treatments*. Philadelphia, PA, 2011.

• **Course Co-Director**, *ADHD: Current Concepts & Future Developments.* Washington, D.C., 2010.

• **Course Co-Director**, *ADHD: Current Concepts & Future Developments.* Philadelphia, PA, 2009.

• **Founding Member**, Board of Directors, 2007-

**American Academy of Pediatrics:**

•  **Appointed Member,** Committee on Scientific Meetings, 1984-1988

**Governor’s Special Commission Regarding the Prevention of Child Abuse:**

• **Appointed Member**, 1994-1995

**Massachusetts Chapter, American Academy of Pediatrics:**

• **Chairperson**, Committee on Developmental-Behavioral Dysfunction, 1985-1992

**The Arborway School (formerly Boston Center for Blind Children):**

• **Member**, Board of Directors, 1992-1993

**RESEARCH FUNDING:**

**Clinical Investigator Development Award**: “Longitudinal Stability of Neurodevelopmental Findings,” awarded by the National Institute of Neurological Disorders and Stroke NINDS), 1988-93. $330,000.00

**HONORS:**

2011: Elected to Board of Trustees, Tufts University.

1998:  *Stephen R. Arrowsmith Award*, conferred by Learning Disabilities Network. Dr. Busch was cited for her “exemplary work with people with learning differences, [which] recognizes and unlocks their potential, nurtures their gifts and inspires them to fulfill their promise.”

1998: *Service* *Award* conferred by the Massachusetts Children’s Trust Fund (MCTF). Dr. Busch was cited for her significant contributions as Board Member and Chairman of MCTF’s Program Development and Evaluation Committee.

**LECTURES, SEMINARS & CME TEACHING EXPERIENCE (since 2002):**

“New Treatment Options for ADHD.” Faculty, Concerta® Speakers Bureau training meeting, sponsored by McNeil Consumer & Specialty Pharmaceuticals, January 18-20, 2002, Dallas, TX.

“What Differentiates Concerta® from the Other Treatments for ADHD? A Practicing Physician’s Experience.” Guest Faculty, McNeil Consumer & Specialty Pharmaceuticals Regional Business Directors/District Managers meeting, January 22, 2002, Wilmington, DE.

“Helping Physicians to Understand How to Prescribe Concerta® Most Effectively.” Guest Faculty, McNeil Consumer & Specialty Pharmaceuticals Western Sales Force Regional Meeting, February 5, 2002, Scottsdale, AZ.

“Helping Physicians to Understand How to Prescribe Concerta® Most Effectively.” McNeil Consumer & Specialty Pharmaceuticals Eastern Sales Force Regional Meeting, February 11, 2002, Jacksonville, FL.

“Advancing the Cornerstone of ADHD Therapy.” National educational teleconference series, sponsored by Strategic Implications International, February 28, 2002.

“Applying the Lessons of the MTA Study to the Treatment of *Your* Patients with ADHD, “ and “Making Sense of New ADHD Treatment Options.” March 8, 2002, Peoria, IL.

“ADHD: The Importance of Recognition and Treatment of its Common Comorbid Conditions.” April 5, 2002, Houston, TX; June 21, 2002, Raleigh, NC; June 25, 2002, Fayetteville, NC; June 26, 2002, Kure Beach, NC.

“New Stimulant Medication Treatment Options for Patients with ADHD.” June 20, 2002, Raleigh, NC.

“ADHD: New Strategies, Effective Solutions.” A case-based, participant-centered learning workshop and CME symposium, sponsored by the Dannemiller Memorial Educational Foundation and Medical Decision Point, August 21, September 18, and October 30, 2002, Boston, MA.

“The Latest Thinking on the Medical Treatment of ADHD,” national educational teleconference seminar. Sponsored by the Teleconference Network, October 17 and 29, November 4, 6 and 7, December 9, and 19, 2002; and January 22, February 10, and March 17, 2003.

“Treatment of Adolescent ADHD, A Data Review,” in *More Than Just Teenage Troubles: Issues and Management of Adolescent ADHD*. CME symposium sponsored by the University of Wisconsin Medical School and Colwood Healthworld, October 18, 2002, Boston, MA.

Moderator, *“Are Therapeutic Targets in ADHD Keeping Pace with Advances in Treatment?”* (a national satellite symposium teleconference with >4,000 participants). Sponsored by the National Alliance for the Advancement of ADHD Care (NAAAC) and Thomson Advanced Therapeutics Communications, December 11, 2002, Boston, MA.

“New Public Health Implications of ADHD Across the Lifespan.” March 12, 2003, Raynham, MA; April 10, 2003, Metairie, LA.

“Lessons for the Practitioner from the Multimodal Treatment of ADHD (MTA) Study.” April 3, 2003, Alexandria, VA; May 1, 2003, Albuquerque, NM; May 6, 2003, Norfolk, VA.

“ADHD and Psychiatric Comorbidity: Case-Based Problem-Solving.” Sponsored by McNeil Consumer and Specialty Pharmaceuticals, April 9, 2003, Baton Rouge, LA; April 10, 2003, New Orleans, LA.

Moderator, CONCERTA™ Regional Advisory Board, sponsored by McNeil Consumer and Specialty Pharmaceuticals. April 14, 2003, Memphis, TN; April 22, 2003, Minneapolis, MN; May 7, 2003, Charlotte, NC; May 12, 2003, San Antonio, TX; May 14, 2003, Tampa, FL.

“Applying the Lessons of the MTA Study to the Treatment of *Your* Patients with ADHD.“ May 8, 2003, Baltimore, MD.

“Identifying Adults With ADHD During a Routine Office Visit,” and “The Adult ADHD Self-Report Scale (ASRS):

A New Instrument for the Diagnosis of ADHD in Adults.” *ADHD in Adults: The Often-Missed Diagnosis*, an all-day seminar for primary care physicians in Family Medicine and Internal Medicine. Sponsored by Vanderbilt University and Thomson Advanced Therapeutics Communications, June 14, 2003, St. Louis, MO; June 21, 2003, Dallas, TX; June 28, 2003, Cincinnati, OH.

“The Newest Improvements in the Treatment of ADHD: How Will These Affect the Way You Care for Your Patients?” July 9, 2003, Fall River, MA; October 30, 2003, Fayetteville, NC; November 18, 2003, Keene, NH.

“Adults with ADHD: It Doesn’t Just Affect Kids.” CME symposium, American Academy of Family Physicians Annual Meeting. Sponsored by National Alliance for the Advancement of ADHD Care (NAAAC), October 3, 2003,

New Orleans, LA.

“The Hidden Impact of ADHD: Impairment in Academic and Social Settings.”

October 29, 2003, Wilmington, NC; October 30, 2003, Jacksonville, NC.

“Recognizing the Comorbidities Associated with ADHD.” November 13, 2003, Nashua, NH; November 14, 2003, Manchester, NH.

“ADHD Challenges in Pharmacotherapy.” CME symposium sponsored by the Dannemiller Memorial Educational Foundation and Medical Decision Point, December 2, 2003, White Plains, NY.

“Attention-Deficit/Hyperactivity Disorder: The Evolution of Optimal Treatment Strategies,” a CME symposium sponsored by Jobson Medical Information LLC. May 17, 2005, San Francisco, CA; May 18, 2005, Pittsburgh, PA; May 21, Oak Brook, IL; May 25, 2005, Dallas, TX; June 8, 2005, New York, NY; June 14, 2005, White Plains, NY; June 15 and October 7, 2005 (Pri-Med Mid-Atlantic Conference), Baltimore, MD; June 16, 2005, Richmond, VA; June 28, 2005, Philadelphia, PA; June 29, 2005, Tampa, FL; July 13, 2005, Houston, TX; July 14 and September 19, 2005, Chicago, IL; August 24, 2005, Cleveland, OH; November 13, 2005 (Pri-Med East Conference), Boston, MA.

**LECTURES, SEMINARS & CME TEACHING EXPERIENCE (continued)**:

“Common Questions about Stimulant Titration.” June 13, 2005, Framingham, MA; July 26 and 28, 2005,

August 4 and 5, 2005, Brockton, MA.

“Daytrana™ (methylphenidate transdermal system): The First and Only Transdermal ADHD Medication.”

Sponsored by Shire Pharmaceuticals, June 28, 2006, Providence, RI; July 13, 2006, Burlington, MA;

August 24, 2006, Brockton, MA; February 21, 2007, Boston, MA.

“Case Studies in the Diagnosis and Management of ADHD.” Sponsored by McNeil Pediatrics, a Division of

McNeil-PPC, Inc., November 15, 2006, Kansas City, MO.

“Is ADHD Just An American Disorder?” and “ADHD and Driving Risks,” and “ADHD - An Office Based Dilemma (with Christopher J. Kratochvil, M.D.).” Visiting faculty for featured CME symposium on ADHD at the *39th*

*Annual Clinical Advances in Pediatrics*, sponsored by the Children’s Mercy Health Network, November 16, 2006, Kansas City, MO

“Practical Applications of Pediatric Psychopharmacology through Case-Based Discussions.” In: *Practical Pediatric Psychopharmacology for the Primary Care Clinician*, CME symposium at the 54th Annual Meeting of the American Association of Child & Adolescent Psychiatry (AACAP), October 27, 2007, Boston, MA.

“The Evolving Burden of Illness in ADHD” and “A Pediatrician’s Guide to the Diagnosis of ADHD” In: *Understanding and Managing the Burden of Pediatric ADHD*, CME Symposium at Pediatric Academic Societies & Asian Society for Pediatric Research Joint Meeting, May 5, 2008, Honolulu, HI. Entire web-based presentation from Pediatric Academic Societies CME session (with Mark L. Wolraich, M.D. and James McCracken, M.D.) also is available at: <http://www.pas-meeting.org/2009Baltimore/>.

“ADHD in Adolescents and Adults: Recognizing Comorbidities and Transitioning through the Continuum of Care.” CME Symposium, *Pri-Med* Conference, September 25, 2008, Dallas, TX; and November 21, 2008, Melville, NY.

**Faculty Member**, *ADHD Disease Awareness Consortium*, Philadelphia, PA. Shire Pharmaceuticals.

December 10, 2010.

“Psychoactive Medication Use in Young Children.” Keynote Address, Texas Association for Infant Mental Health, April 5, 2014.

**Planning Committee** and **Faculty Member,** *Getting with the Guideline: Managing Pediatric ADHD in Your Primary Care Practice.* 2014-2015. National Association for Continuing Education (NACE).

“The AAP 2011 Clinical Practice Guideline for the Diagnosis, Evaluation, and Treatment of Attention-Deficit/Hyperactivity Disorder in Children and Adolescents,” and “Non-Medical Treatments for ADHD,” CME Conference, *Getting with the Guideline: Managing Pediatric ADHD in Your Primary Care Practice.* Albert Einstein College of Medicine and National Association for Continuing Education (NACE). May 9, 2014, Tampa, FL.

**PUBLICATIONS and ONLINE COMMENTARIES:**

Levine, M. D., Busch, B. and Aufseeser, C. (1982): The dimension of inattention among children with school problems. *Pediatrics* 70(3): 387-95.

Levine, M. D., Meltzer, L. J., Busch, B., Palfrey, J., Sullivan, M. (1983): The Pediatric Early Elementary Examination: studies of a neurodevelopmental examination for 7- to 9-year-old children. *Pediatrics* 71(6): 894-903.

Busch, B. (1992): Developmental Assessment of School-age Children and Adolescents. In: Levine, M. D.,

Carey, W. B., Crocker, A. C.: *Developmental-Behavioral Pediatrics.*  Philadelphia: W. B. Saunders. pp. 624-632.

Busch, B. (1993): Educating children with attention deficits: a call for change. *Network Exchange* 11(1): 1-11.

Busch, B. (1993): Attention deficits: current concepts, controversies, management and approaches to

classroom instruction. *Annals of Dyslexia* 43: 5-25.

Busch, B. and Gross, S. (1994): *A Focus on Attention Deficits*. Malden, MA: Massachusetts Department

of Education. State Publication #17519-12-5000-3/94-DOE.

Busch, B. and Nuttall, R. L. (1995): Students who seem to be unmotivated may have attention deficits. *Assessment for Effective Intervention* 21(1): 43-59.

Busch, B., Cohen, L. G., Biederman, J., Spencer, T. Wilens, T. Sayer, J. A., Monuteaux, M., Mick, E., Faraone, S. V. (2001): *Similar Correlates of ADHD in Children from Pediatric and Psychiatric Clinics.* Invited scientific poster presentation, Pediatric Academic Societies (American Academy of Pediatrics - Ambulatory Pediatric Association - Society for Pediatric Research), Spring, 2000, Boston, MA.

Busch, B., Biederman, J., Cohen, L. G., Sayer, J. M., Monuteaux, M., Mick, E., Zallen, B., Faraone, S. V. (2002): Correlates of ADHD among children in pediatric and psychiatric clinics. *Psychiatric Services* 53(9): 1103-1111.

Busch, B. (2007): Polyunsaturated fatty acid supplementation for ADHD? Fishy, fascinating, and far from clear [invited Commentary]. *Journal of Developmental & Behavioral Pediatrics.* 28(2): 139-144.

McGough, J. J., Goodman, D. W., Busch, B., and Darlow, L. (2007):  *A multidisciplinary perspective on ADHD management. Part I: Children and adolescents with ADHD. Medscape* *Spotlight* CME Web Videoconference, December 21, 2007, available at: <http://www.medscape.org/viewarticle/567750>.

McGough, J. J., Goodman, D. W., Busch, B., and Darlow, L. (2007): *A multidisciplinary perspective on ADHD management. Part II: Adolescents and adults with ADHD.* *Medscape* *Spotlight* CME Web Videoconference, December 21, 2007, available at: http://www.medscape.org/viewarticle/567752.

Wolraich, M.L. and Busch, B. (2008):  *The Evolving Burden, Diagnosis and Treatment of ADHD in Children and Adolescents: Practical Strategies for Diagnosing and Treating ADHD across the Continuum of Care*. *Part 1 of 2.* CME-certified enduring e-Newsletter. Release date: June 17, 2008. Available at: <http://www.medscape.org/viewarticle/576428>

Wolraich, M. L., Busch, B, and McCracken, J. T. (2008):  *Understanding and managing the burden of pediatric and adolescent ADHD: practical strategies for diagnosing and treating ADHD and comorbidities across the continuum of care.* *Medscape Today* CME Web Conference and Transcript, based on a live symposium held in Honolulu, Hawaii, on May 5, 2008. Release date: July 1, 2008. Available at: [www.medscape.com/viewprogram/14785?src=mp&spon=9&uac=73201DV](http://www.medscape.com/viewprogram/14785?src=mp&spon=9&uac=73201DV) Accessed July 20, 2008.

**PUBLICATIONS and ONLINE COMMENTARIES (continued):**

Solanto, M.V., Busch, B., Weisler, R.H. (2008): *Managing developmental transitions in ADHD: Interdisciplinary collaboration to improve care.* *Medscape Today* CME Web Conference and Transcript, release date:

September 11, 2008. Available at:<http://www.medscape.org/viewarticle/579723> Accessed October 15, 2013.

Culpepper, L., Busch, B. and Hammerness, P.G. (2008): The maturation of ADHD from adolescence to adulthood. CME television production, sponsored by SciMed and Healthcasts Professional Television Network. Release date: November 21, 2008.

Findling, R. L., Busch, B. and Siwik, E. S. (2008): Psychostimulant treatment of ADHD in the pediatric patient: Cardiac considerations. *Medscape Today* CME Web Conference and Transcript, release date: December 11, 2008. Available at: <http://www.medscape.org/viewarticle/584926>. Accessed October 15, 2013.

Busch, B. (2009): A Clinician’s Guide to Learning Disabilities and ADHD*.* Downloadable PowerPoint slide set for primary care practitioners. *American Professional Society for ADHD and Related Disorders (APSARD)*. To be posted at: <http://www.apsard.org>.

Busch, B. (2009): Use of Stimulants to Treat ADHD in Children. *ADHD CME Update Series*, an Internet CME Program. Available at: <http://www.apsard.org>. Accessed October 6, 2009.

Busch, B. (2009): Antipsychotic medications in children and adolescents: a pediatrician’s perspective. *MedscapeCME Psychiatry & Mental Health* article. Release date: September 18, 2009. Available at: http://www.medscape.org/viewarticle/708770. Accessed October 15, 2013.

Busch, B. (2009): Clinical reviews and commentaries, 8 recent articles from the medical literature. *Adv ADHD* 2009; 3(3): 97-108.

Busch, B. (2010): Behind the wheel with ADHD: Advice to young drivers with ADHD, their parents and their physicians. *MedscapeCME* *Psychiatry & Mental Health* article. Available at: <http://www.medscape.org/viewarticle/723105>. Accessed October 15, 2013.

Rostain, T., Adler, L.A., Faraone, S.V., Busch, B., Newcorn, J., Stein, M.A., and Nierenberg, A.A. (2012): Treating Attention Deficit Hyperactivity Disorder (letter). *The New York Times*, Feb. 7, 2012.

Busch, B. (2014): Evidence-Based Treatment of ADHD in Preschool-Age Children. *Current Psychiatry Reports,* manuscript in preparation.