

Division of Epidemiology
M. Weissman, Chief
Progress Report July 1, 2006 – June 30, 2007.

1. Highlights:

This reporting period saw the beginning of an institutional reorganization which culminated in the formation of a new Division of Epidemiology from the former Division of Clinical and Genetic Epidemiology and other personnel largely from the units for Epidemiology of Brain Disorders and Epidemiology of Mental Disorders Research on 1 July 2007. This report covers a time period before the consolidation and reflects staff activities prior to that consolidation. Selected highlights include:

Alan Brown demonstrated for the first time that *in utero* exposure to elevated homocysteine levels (a marker of folate deficiency) in late pregnancy is associated with an increased risk of schizophrenia. He reported that exposure to herpes virus *in utero* was not related to risk of schizophrenia, in a study with a substantially larger sample than a previous study from another research group which suggested a relationship. He also obtained a renewal of a 5-year renewal of an Independent Scientist Award from NIMH, and funding from Autism Speaks to investigate relationships between prenatal factors, childhood development, and risk of autism in a large Finnish national birth cohort.

Susan Barrow, in a study of critical time intervention found that approximately half of mothers with mental illness or substance use disorders entering homeless shelters had experienced extended separations from one or more child – related in 30% of episodes to child welfare involvement, but more often occurring as part of mothers' efforts to resolve other crises such as leaving an abusive partner, entering substance abuse treatment, or finding the most stable alternative for children when the family loses housing.

David Greenberg and Deb Pal have shown that Rolandic Epilepsy is inherited as an autosomal dominant; have strong evidence of a gene in a specific genomic region that is responsible for the centro temporal spikes seen in Rolandic Epilepsy and have shown that the speech sound disorder seen with increased frequency in Rolandic Epilepsy families are related to this gene region. Their study of Idiopathic Generalized Epilepsy (IGE) identified two genes that appear to convey susceptibility to absence epilepsy. Especially intriguing is the observation that these two genes overlap each other and the mutations in different parts of the gene lead to earlier or later onset of the seizures

Drs. Hodge and Greenberg, working with Dr. Gorroochurn in the Department of Biostatistics, SPH, have developed a unified method to deal with the problem of population stratification (PS) in genetic association studies. Their method enables users to *estimate* the extent of PS; *test_* whether PS represents a significant problem in any given dataset; and if yes, to *correct* for PS in the subsequent association study.

Patricia Cohen and Stephanie Kasen have been analyzing data on the mothers in Dr. Cohen's 20 year longitudinal study. They found that social roles may influence personality trait change across the adult years in women and that poor health and obesity may be predictive of elevated risk for major depression or anxiety disorder or both. The unique multipoint data set resulting from the earlier

NIMH-funded Transitions Study motivated Dr. Cohen to invite outstanding statistical analysts from a variety of fields to contribute to her new book, *Applied Data Analytic Techniques for Turning Point Research*, that is currently in press. The chapter authors explore over a dozen cutting edge methods for analyzing turning points in datasets ranging from behavioral to fMRI studies.

Helena Verdeli has been invited to train and supervise therapists for controlled clinical trials of IPT in Goa, Uganda, and China.

Mark Olfson: Two publications received national attention. In one publication, he reported an association between antidepressant treatment and suicide attempts and completed suicide in severely depressed youth, but not adults. The results were reported in the national press (*New York Times*, *Reuters*, *CNN*, *National Public Radio*). Earlier this year, he also reported a 40-fold increase in the treatment of bipolar disorder in young people. This paper has also received attention in the national media (*New York Times*, *Washington Post*, *Science News*, *CBS Evening News*, *60-Minutes*, *CNN*).

Myrna Weissman's new book with John Markowitz, the Clinician's Quick Guide to Interpersonal Psychotherapy was published by Oxford Press in 2007. Her study showing the effect of successful treatment of maternal depression on symptom reduction in children continued to attract scientific interest. She was invited by Tom Insel to present the results to community mental health leaders.

Two new faculty members received grants. Ardesheer Talati, Ph.D. received a NARSAD award to include MRI studies in a sample previously part of a genetic study of panic disorder. Eleanor Murphy, Ph.D. received a Minority Investigator Research Supplement to carry out the first family study of African Americans with Major Depression.

For the reporting period ended 1 July 2007, investigators in the new consolidated division held 35 grants (63% from NIH), of which 8 were funded this year; published 84 papers in scientific journals; and published 1 book.

2. **Staff**

Adams, Philip, PhD-Research Scientist IV
Anderson, Gabrielle, PhD-Research Scientist I
Anglin, Deirdre, PhD-Research Scientist IV***
Barrow, Susan, PhD-Research Scientist III
Betts, Kathryn, D. Clin Psy-Staff Associate
Brown, Alan, MD, MPH-Research Psychiatrist II**
Chen, Henien, MD, PhD-Research Scientist III
Cohen, Pat, PhD-Research Scientist VI
Crawford, Thomas, PhD-research Scientist III
Ehrensaft, Miriam, PhD-Assistant Professor
Gameroff, Marc, PhD-Research Scientist III
Greenberg, David, PhD-Research Scientist VI
Gross, Raz, MD-Assistant Professor
Hodge, Susan, DSc-Research Scientist VII
Johnson, Jeffrey, PhD-Research Scientist IV

Kasen, Stephanie, PhD-Research Scientist V
Manetti-Cusa, Julian, PsyD-Research Scientist II
Mufson, Laura, PhD-Research Scientist VI*
Murphy, Eleanor, PhD-Associate Research Scientist***
Name, Beom Woo, MD-Visiting Fellow
Neria, Yuval, MD-Research Scientist VI*
Neugebauer, Richard, PhD-Research Scientist V
Olson, Mark, MD, MPH-Psychiatrist II
Pal, Deb, MD, PhD-Associate Research Scientist
Pilowsky, Daniel, MD, MPH-Psychiatrist II*
Semple, Randy, PhD-Research Project Coordinator II
Schupf, Nicole, PhD-Associate Professor
Shear, Katherine, MD-Professor
Struening, Elmer, PhD-Research Chief Emeritus
Strug, Lisa, PhD-Assistant Professor
Talati, Ardesheer, PhD, Post Doctoral Research Scientist
Verdeli, Helena, PhD-Adjunct Professor in Clinical Psychology**
Wallace, Rodrick, PhD-Research Scientist III
Warner, Virginia, MPH-Research Scientist III
Weissman, Myrna, PhD-Department Director, Research Scientist VIII
Wickramaratne, Priya, PhD- Research Scientist V
Winograd, Greta, PhD – Post Doctoral Fellow

* Joint appointment with other departments

** K-awards

*** NIMH Minority Investigator Research Supplement

3. Overview

The Division of Epidemiology at the New York State Psychiatric Institute was established on July 1, 2007 as a consolidation of several existing divisions in epidemiology within the Institute. This report includes all the members of the consolidated Division even though it covers a period prior to the reorganization. The mission of this new division is to reduce the burden of psychiatric disorders through research, education, and service. The research mission involves studying the risk of psychiatric disorders and related disability associated with genetic, social, and environmental factors and developing interventions and programs to reduce these risks. It also encompasses educating the public regarding mental health issues and informing public policy. Research methods cover the range of epidemiology and genetic studies, clinical trials, clinical and community epidemiological surveys including trend analyses, secondary analysis of health care utilization data to assess the incidence and describe the course of psychiatric disorders, develop and test primary prevention and treatment interventions, and analyze social systems and health care delivery patterns. There is a strong emphasis on collaboration which will integrate or translate the newest methods from genetics, imaging and neuroscience with epidemiologic studies. The educational mission includes the training and development of students and young investigators to promote interdisciplinary collaboration, generate and interpret epidemiologic information, and contribute to the reduction of psychiatric

disease burden. The service mission involves providing service as advisors and consultants to health professionals, health organizations, and agencies at the state, national and international levels.

The Division is organized into four related areas: 1) genetics/high risk research, 2) epidemiology/health services, 3) prevention/therapeutics, and 4) international mental health. Key senior resource people in these areas are listed within each area. Numerous postdoctoral fellows and graduate students are involved in these various projects. The research mission of the Division is facilitated by core resource support in administration (Karl Fritch), data management and subject tracking (Phil Adams, Ph.D.), biostatistics (Priya Wickramaratne), and statistical genetics (David A. Greenberg, Ph.D. and Susan E Hodge, D.Sc.)

4. Current Research

Genetics/High Risk Research: Drs. Greenberg and Hodge lead a unit in Mathematical Genetics and a training grant in the Genetics of Complex Disorders within the Division. Their research uses linkage analysis, segregation analysis, and related strategies to advance understanding of how genes have an impact on psychiatric and neurobehavioral disease and to develop new innovative statistical approaches to genetic problems. Dr. Weissman is engaged in a three generation study of familial patterns of psychiatric and behavioral problems from childhood to adulthood of offspring at high and low risk for depression that involves brain imaging and genetic studies. She also leads several genetic studies involving clinical characterization and DNA collection of large samples of subjects with mood and anxiety disorders and controls. These studies are a resource for methods to collect large samples including recruitment, screening, clinical characterization, collection of DNA, use of repositories, and IRB submission for genetic studies of psychiatric disorders.

Epidemiology/Health Services: Patricia Cohen, PhD and Alan Brown, MD provide key resources in epidemiological research. Dr. Cohen's work focuses on assessing determinants of personality disorders and other psychiatric disorders and includes a longitudinal survey from early childhood to mid-adulthood. This study includes three generations of a large cohort from the general population, probing onset, developmental changes, and course-affecting aspects of psychiatric disorders including potential genetic associations. Dr. Stephanie Kasen's work includes a focus on individual and social factors that influence aging, depression, and well-being in the mothers of this cohort followed over three decades. Dr. Jeffrey Johnson's work on this cohort expands on his earlier work on the development and course of personality disorders.

Dr. Brown provides leadership in research on the identification of prenatal determinants of risk for bipolar disorder, schizophrenia and autism in large and well-characterized birth cohorts. He is also examining the relationship between early life risk factors and structural and functional brain abnormalities in schizophrenia utilizing MRI, magnetic resonance spectroscopy, and neurocognitive assessments, and characterizing developmental trajectories that are related to prenatal experience and predictive of these psychiatric outcomes. Molecular genetic studies in these birth cohorts are ongoing and future research in genetics is planned.

Clinical epidemiological studies of mental disorders and service needs of adults in low income primary care settings are led by Myrna Weissman, PhD and Mark Olfson, MD. Yuval Neria, Ph.D. leads a study on the effects of the September 11, 2001 terrorist attacks on the risk and persistence of post-traumatic stress disorder in a large primary care sample.

Health services research expertise is provided by Dr. Olfson whose research spans practice-based and secondary analysis of mental health service delivery with a focus on pharmacoepidemiology. This work addresses aspects of treatment effectiveness, quality of care, and clinical decision making in the delivery of community mental health services. Dr. Roderick Wallace applies mathematical modeling to understand cultural systems, displacement of minority populations and other social issues. Dr. Richard Neugebauer has developed measures using general population and hospital-based samples focusing on depression and post-traumatic stress symptoms associated with bereavement and exposure to violence. He also studies the prenatal origins of antisocial personality disorder. Dr. Susan Barrow's research examines treatment services and community contexts that influence social dimensions of recovery among homeless adults with mental illness and other marginalized groups.

Prevention/Therapeutics: Laura Mufson, PhD is engaged in therapeutics research. Her research focuses on developing strategies to implement evidence-based psychological treatment in community settings. A large ongoing study involves using experimental methods to compare the effectiveness of group interpersonal therapy delivered by mental health professionals in public school-based clinics with usual care for depressed children and adolescents. Helen Verdeli, Ph.D. contributes expertise in the prevention of major psychiatric disorder. Her research focuses on a therapeutic intervention for children at high risk for bipolar disorder. The Division also maintains an active collaboration with a research center within the Division of Child Psychiatry that develops and tests evidence-based mental health interventions in community settings. The Principal Research Core and the Research Network Core of the Child Center Grant funding this work is led by Drs. Myrna Weissman and Mark Olfson, respectively. Dr. Mufson is Co-director of the Operations Core. Dr. Katherine Shear conducts research on the mechanisms and treatment of bereavement-related depression and complicated grief.

International Mental Health: The Division also has active projects in international mental health research. Drs. Verdeli and Richard Neugebauer have modified and tested interpersonal psychotherapy through a randomized controlled trial within a group format for depressed adults in Uganda and Dr. Verdeli has ongoing clinical trial collaborations in Goa, Greece, China and Kenya. Dr. Neugebauer has assessed the prevalence of major depressive disorder and civil war related post-traumatic stress syndromes among Rwandans. Dr. Brown is conducting epidemiological and genetic research on risk factors for autism and schizophrenia in a national birth cohort in Finland, and is collaborating with colleagues in Sweden on similar questions.

5. Education and Training

Numerous pre and post doctoral fellows and masters level students and residents are supervised by division members. A few examples include:

Susan Barrow directs the CHPS Scholars Program, part of the NIMH-funded Columbia Center for Homelessness Prevention Studies, which awards small grants to postdoctoral fellows and new doctoral investigators

Alan Brown supervises Post doctoral research fellow Lauren Ellman, Ph.D., in her Schizophrenia Research Fellowship.

Susan Hodge heads a training grant “Psychiatric Genetics and Family Studies: Robust Methods” for 2 pre and 2 post doctoral fellows on genetic analysis of psychiatric and other complex disorders. The grant was renewed in 2006 for five years. Dr. Hodge also teaches a graduate course, “Theoretical Genetic Modeling”.

David Greenberg teaches a graduate course, “Genetic Analysis Laboratory”.

Jeffrey Johnson, Ph.D., mentors the research of 3 graduate students enrolled in the M.A. program in psychology at Teacher’s College, Columbia University.

Laura Mufson teaches courses in the Division of Child Psychiatry. She teaches IPT-A to psychology interns and child psychiatry residents, directs the course on Empirically supported Psychotherapies for psychology trainees, child psychiatry residents, and research fellows in child psychiatry and lectures in the Research fellows in Child Psychiatry seminar on topics such as research methodology for clinical trials, manualizing psychosocial interventions et cetera. Dr. Mufson mentors or co mentors Jami Young, Ph.D. - K Award at Columbia University to test the efficacy of IPT-AST for adolescents at risk for developing a depression disorder (Mentor); Meredith Gunlicks, Ph.D. - NIMH T32 Postdoctoral Research Fellow in Child Psychiatry; Columbia University: adaptation of IPT-A with increased parental involvement. (Mentor); Colleen Jacobson, Ph.D. - MINT Foundation Grant, Columbia University: to adapt IPT-A for depressed adolescents who engage in non-suicidal self-injury. (Co-mentor). Sandy Pimentel, Ph.D. - New York State Office of Mental Health Service Grant: A Study of models of therapist training in evidence-based psychotherapy. (Co-mentor); and consults on the following training awards: Stefanie Hlastala, Ph.D. - K Award at the University of Washington in Seattle to adapt IPT-A for bipolar adolescents. (Consultant); Jill Ehrenreich, Ph.D. - K award at Boston University to develop a unified psychotherapy for adolescents with depression and anxiety disorders (Consultant) Helena Verdeli, Ph.D. - K Award at Columbia University to develop an IPT preventive intervention for symptomatic offspring of bipolar parents (Consultant). In addition, she is currently engaged in IPT-A training and research on therapist training models in conjunction with the University of British Columbia in Vancouver and the Ministry of Child and Family Development in British Columbia

Mark Olfson serves on the committee to review the curriculum of medical students in psychiatry and behavioral sciences.

Myrna Weissman teaches two courses in IPT for second and third year residents and individually supervises a third-year resident. She is mentor on 2 “K” Awards (Verdeli, Boyd), 2 NARSADs (Talati, Murphy), and a minority researcher supplement (Murphy). She supervises 2 Ph.D. students and 1 masters student.

Priya Wickramaratne taught a course, “Non-parametric Statistics,” in the Department of Biostatistics, Mailman School of Public Health, Spring 2007.

6. Clinical Services – None

7. Honors/Awards/Recognition

Susan Barrow was one of 11 researchers selected to develop and present a state-of-the-science review at the once-a-decade National Symposium on Homelessness Research held in March, 2007, by the Departments of Health & Human Services and Housing & Urban Development.

Alan Brown was selected as Associate Editor, *Schizophrenia Bulletin*; made a *Regular member* of Behavioral Genetics and Epidemiology Study Section, NIMH; Developmental Brain Disorders Study Section, NIMH; elected as Member, American College of Neuropsychopharmacology; and made a member, Program Committee for Annual Meeting of the Society of Biological Psychiatry.

Patricia Cohen was informed by ISI that she is in the top half of one percent of scientists in terms of frequency of being cited in the professional psychological and psychiatric literature over the last twenty years.

Marc Gameroff's paper, presented at the 30th Annual SAS users group "Using the Proportional Odds Model for Health Related Outcomes," ranked as the most retrieved paper on Google searches in 2007 with 1,090,000 hits.

Jeffrey Johnson was invited to be a member of the DSM-V Complicated Grief/Prolonged Grief Disorder Work Group and his paper with Cohen and Kasen on the development of attention and learning difficulties during adolescence received extensive media coverage including a live WNBC interview

Ardesheer Talati received an ACNP Young Investigator Travel Award.

Helen Verdeli received the Klerman Young Investigator Award 2006 from the Depression and Bipolar Support Alliance; was elected to Scientific Advisory Board, Depression and Bipolar Support Alliance; was made a member of the Scientific Advisory Council of the American Foundation for Suicide Prevention, was made an editorial Board Member, *International Journal of Mental Health*; received the Outstanding teacher Award, Teachers College, Columbia University; and was named as the Advisory Board Member for Mental Health, Millennium Villages Project, Earth Institute, Columbia University.

Myrna Weissman: Gold Medal Award, Society for Biological Psychiatry, for contribution to research in biological psychiatry and advancing our understanding and treatment of psychiatric illness. Her paper, *Offspring of depressed parents: 20 years later*, was selected by McMaster Online Rating of Evidence as the second most read and clinically relevant psychiatry and mental health journal article of 2006.

Priya Wickramaratne was appointed to the editorial board (statistics and methodology) of the Journal of American Academy of Child and Adolescent Psychiatry and made a Regular member of the Family and Child Intervention Study Section, NIMH.

8. Publications

- Anderson SE, Cohen P, Naumova EN, Must A. Relationship of childhood behavior disorders to weight gain from childhood into adulthood. *Ambulatory Pediatrics* 6: 297-301. 2006
- Bali B, Kull L, Clarke T, Strug L, Greenberg DA, Pal DK. Autosomal dominant inheritance of centrotemporal sharp waves in Rolandic epilepsy families. *Epilepsia, online early*, 2007.
- Blanco C, Olfson M, Stein DJ, Simpson HB, Gameroff MJ, Narrow W: Treatment of obsessive-compulsive disorder by US psychiatrists. *Journal of Clinical Psychiatry*; 67: 946-51. 2006
- Bledsoe, S.E., Weissman, M.M., Mullen, E.J., Betts, K., Gameroff, M.J., Verdelli, H., Mufson, L., Fitterling, H., Wickramaratne, P. Empirically Supported Psychotherapy in Social Work Training Programs: Does the Definition of Evidence Matter? *Research on Social Work Practice* 17: p. 449-455, 2007
- Bolton P. Bass J. Betancourt T. Speelman L. Onyango G. Clougherty KF. Neugebauer R. Murray L. Verdelli H. Interventions for depression symptoms among adolescent survivors of war and displacement in northern Uganda: a randomized controlled trial. *JAMA*. 298(5):519-27, 2007
- Boxerman J, Hawash K, Bali B, Clarke T, Rogg J, Pal DK. Is Rolandic epilepsy associated with abnormalities on cranial MRI? *Epilepsy Research*, 75(2-3):180-185, 2007.
- Bresnahan MA, Begg MD, Brown AS, Schaefer CA, Sohler N, Insel BJ, Vela L, Susser ES: Race and risk of schizophrenia in a U.S. birth cohort: Another example of health disparity? *Int J Epidemiol*, 1-8. 2007
- Brown AS, Bottiglieri T, Schaefer CA, Quesenberry CP, Liu L, Bresnahan M, Susser ES: Elevated prenatal homocysteine levels as a risk factor for schizophrenia. *Arch Gen Psychiatry*, 64:31-39, 2007
- Brown AS, Schaefer CA, Quesenberry CP, Shen L, Susser ES: No evidence of relation between maternal exposure to herpesviruses and risk of schizophrenia. *Am J Psychiatry*, 163:2178-80. 2006
- Bruder-Costello B, Warner V, Talati A, Nomura Y, Bruder G, Weissman M. Temperament among offspring at high and low risk for depression. *Psychiatry Res*. 2007.
- Bruder GE, Tenke CE, Warner V, Weissman MM. Grandchildren at High and Low Risk for Depression Differ in EEG Measures of Regional Brain Asymmetry. *Biol Psychiatry*. 2007.
- Brunstein-Klomek A., Mufson L. Interpersonal Psychotherapy for Depressed Adolescents. *Child Adolesc Psychiatric Clin N Am*, 15:959-975. 2006
- Brunstein-Klomek A., Zalsman, G., & Mufson, L. Interpersonal Psychotherapy for Depressed Adolescents (IPT-A). *Israel Journal of Psychiatry and Related Sciences*, Jerusalem: 2007. Vol. 44, Iss. 1; p. 40-47. 2007
- Case BG, Olfson M, Marcus SC, Siegel C: Trends in the inpatient mental health treatment of children and adolescents in US community hospitals, 1990 and 2000. *Archives of General Psychiatry*; 64:89-96 2007
- Chen H., Cohen P., Chen S.; Biased odds ratios from dichotomization of age. *Statistics in Medicine*; 26:3487-3497. 2007
- Chen, H, Cohen P, Crawford TN, Johnson, JG, Kasen S, Berenson, K Relative Impact of Young Adult Personality Disorders on Subsequent Quality of Life. *J Personality Disorders*, 20, 510-523. 2006
- Chen, H, Cohen, P, Kasen, S. Cohort differences in self-rated health: Evidence from a three decade community-based longitudinal study of women. *American J Epidemiology*: 166, 439-446 2007

- Chen, H, Cohen, P, Kasen, S, Johnson, JG, Ehrensaft, M, Gordon, K. Predicting Conflict within Romantic Relationships during the Transition to Adulthood. *Personal Relationships*, 13:411-427. 2006
- Christensen, M., Moskowitz, A., Talati, A., Nelson, R., Rosenberg, N. M., Gelijns, A. On the Role of Randomized Clinical Trials in Medicine. *The Economics of Innovation and New Technology*, 16 (5): 357-370. 2007
- Clarke T, Strug LJ, Murphy PL, Bali B, Carvalho J, Foster S, Tremont G, Gagnon BR, Dorta N, Pal DK. High risk of reading disability and speech sound disorder in rolandic epilepsy families: case-control study. *Epilepsia, online early*, 2007.
- Clougherty, K.F., Verdeli, H. Mufson, L., Young, J. Interpersonal Psychotherapy: Effectiveness Trials in Rural Southwest Uganda and New York City. *Psychiatric Annals*, 36 (8): 566-572. 2006
- Cohen, P., Chen, H., Crawford, T. N., Gordon, K., & Brook, J. S.. Personality disorders in early adolescence and the development of later substance use disorders in the general population. *Drug & Alcohol Addiction: 88S, S71-S84*. 2007
- Cohen P., Kasen S, Chen H., Gordon K., Berenson K., Brook J., White, T.: Current affairs and the public psyche: American anxiety in the post 9/11 world. *Social Psychiatry and Psychiatric Epidemiology*,;41:251-260. 2006
- Crawford, T. N., Shaver, P. R., Cohen, P., Pilkonis, P. A., Gillath, O., & Kasen, S. (2006). Self-reported attachment, interpersonal aggression, and personality disorder in a prospective community sample of adolescents and adults. *Journal of Personality Disorders*, 20, 331-353.
- Crawford, T. N., Livesley, W. J., Jang, K. L., Shaver, P. R., Cohen, P., & Ganiban, J. (2007). Insecure attachment and personality disorder: A twin study of adults. *European Journal of Personality*, 21(2), 191-208.
- Crawford, T. N., Shaver, P. R., & Goldsmith, H. H. (2007). How affect regulation moderates the association between anxious attachment and neuroticism. *Attachment and Human Development*, 9, 95-109.
- Ehrensaft, M, Cohen, P, Johnson, JG. Development of personality disorder symptoms and the risk for partner violence. *J Abnormal Psychology*, 115(3):474-483. 2006
- Ehrensaft ,M.K., Cohen, P , Chen, H., Berenson, K.. Developmental Transitions in Youth Behavioral Opposition and Maternal Beliefs in Social Ecological Context. *J Child & Family Studies*: 16, 577-589. 2007
- Geller PA. Neugebauer R. Possemato AK. Walter P. Dummit ES 3rd. Silva RR. Psychometric properties of Darryl, a cartoon based measure to assess community violence-related PTSD in children. *Psychiatric Quarterly* 78:157-68 2007
- Goodwin RD, Wickramaratne P, Nomura Y, Weissman MM. Familial depression and respiratory illness in children. *Arch Pediatr Adolesc Med* 161(5):487-94 May, 2007.
- Gorroochurn, P., Hodge, S.E., Heiman, G.A. & Greenberg, D.A. A unified approach for quantifying, testing and correcting population stratification in case-control association studies. Invited Article. *Hum Hered* 64: 149–159, 2007.
- Gorroochurn, P., Hodge, S.E., Heiman, G.A., Durner, M. & Greenberg, D.A. Non-replication in association studies: “Pseudo-failures” to replicate? *Genetics in Medicine* 9: 325–331, 2007
- Hardt, J., Egle, U. T., & Johnson, J. G. Suicide attempts and retrospective reports about parent-child relationships: evidence for the affectionless control hypothesis. *German Medical Science Psycho-Social Medicine*, 4: Doc 12 (20071011). 2007

- Herman DB, Brown AS, Opler MG, Desai M, Malaspina D, Bresnahan M, Schaefer CA, Susser ES: Does unwantedness of pregnancy predict schizophrenia in the offspring?: Findings from a prospective birth cohort study. *Soc Psychiatry Psychiatr Epidemiol*;41:605-10. 2006
- Holmans P, Weissman MM, Zubenko GS, Scheftner WS, Crowe RR, Depaulo JR, Knowles JA, Zubenko WN, Murphy-Eberenz K, Marta DH, Boutelle S, McInnis MG, Adams P, Gladis M, Thomas J, Chellis J, Miller E, Potash JB, MacKinnon D, Levinson DF. Genetics of Recurrent Early-Onset Major Depression (GenRED): Final Genome Scan Report. *American Journal of Psychiatry* 164(2): 248-258, 2007.
- Johnson, J. G., Cohen, P., Kasen, S., & Brook, J. S.. Personality disorder traits evident by early adulthood and risk for anxiety disorders during middle adulthood. *Journal of Anxiety Disorders*, 20, 408-426. 2006
- Johnson, J.G., Cohen, P., Kasen, S. Brook, J.S. Extensive Television Viewing and the Development of Attention and Learning Difficulties During Adolescence. *Arch Pediatr Adolesc Med*; 161: 480 - 486. 2007
- Johnson, J. G., Cohen, P., Kasen, S., Ehrensaft, M. K., & Crawford, T. N.. Associations of parental personality disorders and Axis I disorders with child-rearing behavior. *Psychiatry: Interpersonal and Biological Processes*, 69, 336-350. 2006
- Johnson, J. G., Vanderwerker, L, Zhang, B., Bornstein, R. F., & Prigerson, H. G.. Development and validation of an instrument for the assessment of dependency on the deceased. *Journal of Psychopathology and Behavioral Assessment*, 28, 261-270. 2006
- Johnson, J. G., Zhang, B., Greer, J. A., & Prigerson, H. G.. Parental control, partner dependency and complicated grief among widowed adults in the community. *Journal of Nervous and Mental Disease*, 195, 26-30. 2007
- Kasen, S., Chen, H., Sneed, J., Crawford, T., & Cohen, S. Social role and birth cohort influences on gender-linked personality traits in women: A 20 year longitudinal analysis. *J Personality & Social Psychology*. 91(5), 944-958. 2006
- Kasen, S., Cohen, P., Skodol, A. E., First, M. B., Johnson, J. G., Brook, J. S., & Oldham, J. M. Comorbid personality disorder and treatment use in a community sample of youths. *Acta Psychiatrica Scandinavica*; 115 (1), 56-65. 2007
- Klomek AB, Mufson L. Interpersonal psychotherapy for depressed adolescents *Child Adolesc Psychiatr Clin N Am*. Oct; 15(4):959-75. 2006
- Kreyenbuhl J, Marcus SC, West JC, Wilk J, Olfson M: Adding or switching antipsychotic medications in treatment-refractory schizophrenia. *Psychiatric Services*;58:983-990. 2007
- Levinson DF, Evgrafov OV, Knowles JA, Potash JB, Weissman MM, Scheftner WS, DePaulo JR, Crowe RR, Murphy Eberenz K, Marta DH, McInnis MG, Adams P, Gladis M, Miller EB, Thomas J, Holmans P. Genetics of Recurrent Early-Onset Major Depression (GenRED): Significant linkage on Chromosome 15q25-q26 after fine-mapping with SNP markers. *American Journal Psychiatry* 164(2): 259-264, 2007.
- Marcus SC, Olfson M: Outpatient antipsychotic treatment and inpatient costs of schizophrenia. *Schizophrenia Bulletin*;10.1093/schbul/sbm061 2007
- Moreno C, Laje G, Blanco C, Jiang H, Schmidt A, Olfson M: National trends in the outpatient treatment of bipolar disorder in youth. *Archives of General Psychiatry*;64:1032-1039. 2007
- Mondimore, FM, Zandi P P, Mackinnon Dean F, McInnis MG, Miller EB, Crowe RP, Scheftner WA, Marta DH, Weissman MM, Levinson DF, Murphy-Ebenz KP, DePaulo JR, Potash JB. Familial Aggregation of Illness Chronicity in Recurrent, Early-Onset Major Depression Pedigrees. *American Journal of Psychiatry* 163(9): 1554-1560, 2006.

- Mufson, L. Sills, R. Interpersonal Psychotherapy for Depressed Adolescents (IPT-A): An Overview. *Nordic Journal of Psychiatry*. 60:431-437. 2006
- Neria Y, Gross R, Olfson M, Gameroff MJ, Wickramaratne P, Das A, Pilowsky D, Feder A, Blanco C, Marshall RD, Lantigua R, Shea S, Weissman MM. Posttraumatic stress disorder in primary care one year after the 9/11 attacks. *General Hospital Psychiatry* 28:213-222, 2006.
- Neugebauer R. Kline J. Bleiberg K. Baxi L. Markowitz JC. Rosing M. Levin B. Keith J. Preliminary open trial of interpersonal counseling for subsyndromal depression following miscarriage. *Depression & Anxiety* 24:219-22, 2007.
- Neugebauer R. Kline J. Markowitz JC. Bleiberg KL. Baxi L. Rosing MA. Levin B. Keith J. Pilot randomized controlled trial of interpersonal counseling for subsyndromal depression following miscarriage. *Journal of Clinical Psychiatry* 67 :1299-1304,2006
- Nomura Y, Wickramaratne P, Pilowsky DJ, Bruder B, Fifer WP, Brooks-Gunn J, Weissman MM. Low birth weight and risk of affective disorders & selected medical illness in offspring at high and low risk for depression. *Compr Psychiatry*. Sep-Oct;48(5):470-8. 2007
- Olfson M, Gameroff MJ: Generalized anxiety disorder, somatic pain and health care costs. *General Hospital Psychiatry*;29:310-6. 2007
- Olfson M, Marcus SC, Zhang HF, Wan GJ: Continuity in methylphenidate treatment of adults with attention-deficit/hyperactivity disorder. *Journal of Managed Care Pharmacy*;13:570-577. 2007
- Ong SH, Wickramaratne P, Tang M, Weissman MM. Early Childhood Sleep and Eating Problems as Predictors of Adolescent and Adult Mood and Anxiety Disorders. *Journal of Affective Disorders*. 96:1-8 2006.
- Payne JL, Roy PS, Murphy-Eberenz K, Weisman MM, Swartz KL, McInnis MG, Nwulia E, Mondimore FM, MacKinnon DF, Miller EB, Nurnberger JI, Levinson DF, DePaulo JR Jr, Potash JB. Reproductive cycle-associated mood symptoms in women with major depression and bipolar disorder. *J Affect Disord*. Apr;99(1-3):221-9. 2007
- Penner JD, Brown AS: Premorbid anomalies and risk of schizophrenia and affective disorders in a birth cohort exposed to prenatal rubella. *Sch Psychol Q*; 22:58-73. 2007
- Pilowsky DJ, Olfson M, Gameroff MJ, Wickramaratne P, Blanco C, Feder A, Gross R, Neria Y, Weissman MM. Panic disorder and suicidal ideation in primary care. *Depress Anxiety* 23(1):11-6, 2006
- Purswani MU. Hagmann S. Bakshi SS. Matias AR. Nubel CA. Neugebauer R. Dunne JM. Kairam R. A blinded survey of the seroprevalence of HIV-1 infection in an inner-city adolescent and young adult population attending a community hospital in the United States. *Journal of Adolescent Health*40:182-184,2007
- Rastogi D. Shetty A. Neugebauer R. Harijith A. National Heart, Lung, and Blood Institute guidelines and asthma management practices among inner-city pediatric primary care providers. *Chest* 129:619-623, 2006.
- Rastogi D. Reddy M. Neugebauer R. Comparison of patterns of allergen sensitization among inner-city Hispanic and African American children with asthma. *Annals of Allergy, Asthma, & Immunology* 97:636-642, 2006
- Sackeim HA, Prudic J, Fuller R, Keilp J, Lavori PW, Olfson M: The cognitive effects of electroconvulsive therapy in community settings. *Neuropsychopharmacology*;32:244-254. 2007
- Sambamoorthi U, Olfson M, Wei W, Crystal S: Diabetes and depression care among Medicaid beneficiaries. *Journal of Health Care for the Poor and Underserved*; 17:141-161. 2006
- Skodol, A., Johnson, JG, Cohen, P, Sneed, J, Crawford, TN. Personality disorder and impaired functioning from adolescence to adulthood. *British J of Psychiatry*: 190, 415-420. 2007

- Sneed, J.R. Hamagami, F., McArdle, J., Cohen, P., Chen, H. The dynamic interdependence of developmental domains across emerging adulthood. *J Youth & Adolescence*: 36, 351-363. 2007
- Sneed J, Johnson JG, Cohen P, Chen H, Crawford, TN, Kasen S, Gilligan C. Gender differences in the developmental trajectories of family contact and agency in distinct domains of psychosocial functioning during emerging adulthood. *Developmental Psychology*, 42(5): 787-797. 2006
- Sneed, JR; Kasen, S; Cohen, P. Early-life risk factors for late-onset depression. *Internatl J Geriatric Psychiatry*. 22(7) 663-667. 2007
- Tanovsky-Kraff, M., Wilfley D., Young, J., Mufson, L., Yanovsky S.Z., Glasofer, D., Salaita C. Preventing Excessive Weight Gain in Adolescents: Interpersonal Psychotherapy for Binge Eating. *Obesity*, 15 (6): 1345-1355. 2007
- Verdeli, H., Mufson, L., Lee L. & Keith, J. Review of evidence-based psychotherapies for pediatric mood and anxiety disorders. *Current Psychiatry Reviews*, 2(3): 395-421 2006
- Verma R, Cutler DJ, Holmans P, Knowles JA, Crowe RR, Scheftner WA, Weissman MM, Depaulo JR Jr, Levinson DF, Potash JB. Investigating the role of p11 (S100A10) sequence variation in susceptibility to major depression. *Am J Med Genet B Neuropsychiatr Genet*. 2007
- Wallace R: Culture and inattention blindness: A global workspace perspective. *J. Theoretical Biology*, 245(2):378-90, 2007
- Wallace R: Pitfalls in Biological Computing: Canonical and Idiosyncratic Dysfunction of Conscious Machines: *Mind & Matter* 4(1):91-113, 2006
- Wallace R, Fullilove MT, Fullilove RE, Wallace D: Collective Consciousness and its pathologies: Understanding the failure of AIDS control and treatment in the United States. *Theoretical Biology and Medical Modeling*: 4:10 36pp 2007 www.tbiomed/content/4/1/10
- Wallace R, McCarthy K: The unstable public-health ecology of the New York Metropolitan Region: implications for accelerated national spread of emerging infection. *Environment and Planning A*: 39:1181-1192, 2007
- Wallace R, Wallace D, Ahern J, Galea S: A failure of resilience: Estimating response of New York City's public health ecosystem to sudden disaster. *Health and Place* 13:545-550, 2007
- Weissman MM, Markowitz J, Klerman GL. A Clinician's Quick Guide to Interpersonal Psychotherapy. Oxford Press, 2007
- Weissman MM, Pilowsky DJ, Wickramaratne P, Talati A, Wisniewski SR, Fava M, Hughes CW, Garber J, Malloy E, King C, Cerda G, Sood B, Alpert JE, Trivedi MH, Rush J. Remission of Maternal Depression is Associated with Reductions in Psychopathology in their Children: A Star*D-Child Report. *JAMA* 295 (12): 1389-1398, 2006.
- Weissman MM, Verdeli H, Gameroff MJ, Bledsoe SE, Betts K, Mufson L, Fitterling H, Wickramaratne P. A National Survey of Psychotherapy Training In Psychiatry, Psychology, and Social Work. *Arch Gen. Psychiatry* 63: 924-934, 2006.
- Weissman MM, Wickramartne P, Nomura Y, Warner V, Pilowsky D, Verdeli H. Offspring of depressed parents: 20 years later. *Am J Psychiatry* 163: 1001-1008, 2006.
- Weissman, MM. Cognitive Therapy and Interpersonal Psychotherapy: 30 Years Later *Am J Psychiatry* 164:693-696, May 2007.
- Weissman MM. Recent non-medication trials of interpersonal psychotherapy for depression. *The International Journal of Neuropsychopharmacology*. 10(1): 117-122, 2007.
- Wilk J, Marcus SC, West J, Countis L, Hall R, Olfson M: Substance abuse and the management of medication nonadherence in schizophrenia. *Journal of Nervous & Mental Disease*; 194:454-457. 2006

Young, J, Mufson L., Davies M. Impact of Comorbid Anxiety in an Effective Study of Interpersonal Psychotherapy for Depressed Adolescents *Journal of the American Academy of Child and Adolescent Psychiatry*. 45(8):904-912. 2006

Young, J. Mufson, L., Davies M. Preliminary Efficacy of Interpersonal Psychotherapy-Adolescent Skills Training: An Indicated Preventive Intervention for Adolescent Depression *Journal of Child Psychology and Psychiatry*. 47:12: 1254-1262. 2006