# CURRICULUM VITAE

# Deborah Ruth Medoff, Ph.D.

**Associate Professor, Department of Psychiatry**

**University of Maryland School of Medicine**

**VISN 5 MIRECC**

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**Contact Information**

Business Address Division of Psychiatric Services Research

737 Lombard Street, Room 518

 Baltimore, Maryland 21201-1549

Business Phone Number (410) 706-8094

Fax Number (410) 706-0022

Cell (410) 971-0712

Email: dmedoff@psych.umaryland.edu

Alt Email: drmedoff@gmail.com

**Education**

1981 Bachelors of Arts, Psychology, University of Virginia, (With High Distinction)

1984 Masters of Arts, Social Psychology, University of Maryland, College Park

1989 Doctor of Philosophy, Quantitative Psychology, University of Maryland, College Park. Thesis: *The effects of model misspecification on the success of model modification procedures in covariance structure analysis.*

**Employment History**

**Academic Appointments**

1990-1997 Instructor, part time, Department of Psychiatry, Maryland Psychiatric Research Center, University of Maryland School of Medicine

1997 - 2003 Adjunct Assistant Professor, part time, Department of Psychiatry, Maryland Psychiatric Research Center, University of Maryland School of Medicine

2003 – 2010 Assistant Professor, Department of Psychiatry, Division of Services Research, University of Maryland School of Medicine

2005 – Present Research Investigator., VA Capitol Healthcare Network (VISN 5) Mental Illness Research, Education and Clinical Center (MIRECC)

2010 – Present Associate Professor, Department of Psychiatry, Division of Services Research, University of Maryland School of Medicine

2011 – Present Associate Member, University of Maryland Graduate School, University of Maryland School of Medicine

**Administrative Service**

**Institutional Service**

1998- 2000 Acting Director, Data Management and Biostatics Core, Maryland Psychiatric Research Center, University of Maryland School of Medicine

2001-2003 Director of the Neuroimaging Program, Maryland Psychiatric Research Center, University of Maryland School of Medicine

2005 – present Member, Bioinformatics Advisory Board Member, Office of the Dean, University of Maryland School of Medicine

2005 – present Poster Judge, Department of Psychiatry Annual Research Day, University of Maryland School of Medicine

2008 Speaker, Office of Professional Development Research, Class for New Faculty: Creating an effective methods section in a grant application.

2008 – 2012 Member, Institutional Review Board, University of Maryland School of Medicine

2009 Roundtable Participant, Developing a grant proposal, Office of Professional Development Research, University of Maryland School of Medicine

2009 – 2015 Research Coordinator, University of Maryland School of Medicine

and Baltimore VA Psychology Internship Training Committee.

2009 - 2010 Alternate, School of Medicine Council: University of Maryland School of Medicine

2010 - 2011 Member, School of Medicine Council: University of Maryland School of Medicine

2010 – 2014 Interviewer, School of Medicine Admissions Committee: University of Maryland School of Medicine

2013 – Present Fellowship Committee, VISN 5 MIRECC

**National Service**

1995 – 2002 Reviewer, International Congress on Schizophrenia Research Abstracts and Young Investigator submissions

2000 - 2001 Reviewer, NIMH Special Study Section on Functional Imaging

2006 – present Ad Hoc Journal Reviewer, *American Journal of Psychiatry, Schizophrenia Bulletin, Psychiatric Rehabilitation, Dual Diagnosis, Comprehensive Psychiatry*

2007 – present Editorial Board: Statistical Reviewer for *Psychiatric Services*

2010 – 2015 Editorial Board: Statistical Reviewer for *Journal of Nervous and Mental Disease*

2013 – present Grant Reviewer, VA mental health services review group

**Teaching Service**

**Courses**

 **Graduate Students**

1991 - 1993 Coursemaster, Research Methods (POSI 600) University of Maryland Baltimore County (30 – 35 students, 3 hours per week for 16 weeks/year)

1992 - 1994 Coursemaster, Multivariate Statistics (P0S1 601) University of Maryland Baltimore County (30 – 35 students, 3 hours per week for 16 weeks/year)

2002 Guest Lecturer, Biological Psychiatry, Program in Neuroscience, University of Maryland School of Medicine (10 students, 1.5 hours/year)

2011 Coursemaster, Fundamental of Biostatistics (GPLS 630) University of Maryland School of Medicine (25 students, 3 hours per week for 16 weeks/year)

 **Residents**

2005-2010 Lecturer in Evidence-Based Medicine for PGY-1 Psychiatry Residents, Department of Psychiatry, University of Maryland School of Medicine (2 hours/year) each year (attended by 6-12 residents per class).

2008 - 2012 Journal Club Presenter, PGY-2 Psychiatry Residents and Medical Students, Department of Psychiatry, University of Maryland School of Medicine (1.5 hours per year, attended by 10-12 residents and students).

**Psychology Interns**

2006 Lecturer on the Presentation of Research Findings for the VAMHCS/UMB Psychology Internship Consortium (1.5 hours for 11 interns)

2009 Panel Member on Postdoctoral/Fellowship opportunities for the VAMHCS/UMB Psychology Internship Consortium (1.5 hours for 13 interns)

**Mentoring**

 **Undergraduate and High School Students**

2001 – 2003 Principal Investigator. Stanley Scholars Training Grant. Recruited and arranged training positions for 2-3 undergraduate students per year who were interested in careers in serious mental illness. Arranged student seminar series.

2003 - 2004 Summer Student Mentor and Lecturer, High School Neuroscience Program. Student presented project at end of program. (daily supervision during summer)

2005 Mentor, Summer Research Training Program,Provided co-mentorship for student on how to perform a systematic review and meta-analysis. (weekly supervision). The results of this research were published. See citation 50

 **Graduate Students, Psychology Interns, Post-Doctoral Fellows**

2006 Research Supervisor, Psychology Intern, student successfully completed research project. (1 hour per month)

2006-2008 Dissertation Statistical Support, Ph.D awarded and collaborative paper published. (10 hours per year) (See citation 59).

2009 – 2015 Research Coordinator, Psychology Interns, arranged for research mentors for 15 Psychology Interns. Continued supervision of research projects. (.5 hours/month/student)

2013 Research Supervisor, Psychology Intern, student successfully completed research project. (1 hour per month)

2014 Research Supervisor, Psychology Intern, student successfully completed research project. (1 hour per month)

2013 – 2015 Research Coordinator, Psychology Interns, arranged for research mentors for 15-19 Psychology Interns. Continued supervision of research projects. (.5 hours/month/student)

2014 – 2016 Research Mentor, MIRECC Fellow, supervised grant submission, manuscripts and presentations. Supervision of research projects. Fellow has accepted a faculty position. (5 hours/month)

**Grant Support**

**Active Grants**

9/5/17- 6/30/20 Co-Investigator (15%) PI: Julie Kreyenbuhl

 R01 MH113650, NIMH

Addressing Psychiatrist Workforce Shortages in the U.S. with Psychiatric Advanced Practice Registered Nurses (APRNs)

Total Direct Costs: $1,341,990

9/30/16-9/29/20 Evaluator (5% FTE) PI: Laurel Kiser

U79SM061256

*Family-Informed Trauma Treatment Center*

 SAMHSA National Child Traumatic Stress Network Category II

 Center

3/17/17-2/19/20 Co-Investigator (15%) PI: Jeff Olivet

 2R44MH105013-02. NIMH

 ONTRACK > An Online Role-Playing Game

12/15/16-11/30/19 Co-Investigator (5%) PI: Seth Himelhoch

 1R01HL136253-01, NHLBI

Optimizing Smoking Cessation Treatments in Smokers Living with HIV/AIDS

9/7/2017-9/6/18 Co-Investigator (3%) PI: Seth Himelhoch/Cheryl Gagne

 1R43MH110286-01, NIMH

 RE-CONNECT: A Web-Based Tool for Collaborative HIV Care

4/1/17-3/31/18 Co-Investigator (5%) PI: Jeff Olivet

 1R43MH113424-01, NIMH

Social Skill Coach: An Innovative Multi-Platform Device to Address Social Impartments Among Individuals with Schizophrenia

7/1/15-6/30/18 Co-Investigator (10% FTE) PI: Julie Kreyenbuhl

PPO 14-131-2, VA Health Services Research and Development

Qualitative Study of Metabolic Effects of Medications for SMI in Female Veterans

9/30/14-9/29/18 Investigator (3% FTE) PI: Deborah Medoff

 *STIRR-IT: Co-located HIV/HVC Prevention and Treatment*

 SAMHSA H79TI025796

07/01/16-06/30/17 Co-Investigator (10%) PI: Jeff Olivet

1R44MH111283-01, NIMH

CSC OnDemand: An Innovative Online Learning Platform for Implementing Coordinated Specialty Care. Phase 1

**Active Contracts**

7/01/10-6/30/17 Statistical Consultant (9% FTE) PI: H. Goldman

 *Systems Evaluation Center*

 Department of Health and Mental Hygiene

 Total Direct Cost: $509,600

**Completed Grants**

9/01/98-8/31/03 (Co-Investigator, 10%) P.I.: William Carpenter

 IRC Classification and Course of the Schizophrenias

NIMH

05/01/99-01/31/03 (Co-Investigator, 10%) (P.I.: Adrienne. Lahti)

 Blood Flow Changes and Antipsychotic Drug Action

 1R01MH057971‑01A2

04/01/00-03/31/03 (Co-Investigator, 10%) P.I. Carol Tamminga

 *Partial Dopamine Agonist Treatment of Schizophrenia*

NIMH R01

01/1/01-12/31/03 Principal Investigator (in kind)

 *Stanley Scholars Program*

 Stanley Foundation

 Annual Direct Costs: $15,000

 Total Direct Costs: $45,000

7/1/01-6/30/02 Principal Investigator (in kind)

*An* *investigation of the effects of increasing delay intervals in an auditory working memory task in NV and SZ.*

University of Maryland Intramural Grant

Annual Direct Costs: $15,000

Total Direct Costs: $15,000

10/1/03-03/31/05 Statistician (10 % FTE) PI: L. Dixon

*Do Practice Guidelines Reduce Smoking in Schizophrenia?*

NIDA R01 PA14393

Total Costs: $1,516,352

4/1/04-7/25/05: Co-Investigator 20% (Steinwachs, PI; Lehman Co-PI)

 *Center on Services for Severe Mental Illness*

 NIMH: P50 MH43703

 Annual Costs: $224,542

 Total Costs: $1,491,381

04/01/04-01/31/08 (Co-Investigator, 10%) P.I: Julie Schweitzer

 *A Compensatory Functional Neuroanatomy of ADHD*

 NIMH 1R01MH066310-01A2

 Annual Direct Costs: $132,131

 Total Direct Costs: $

7/01/05-7/01/08 Co-Investigator (in kind) PI: Murray-Swank

*“Enhancing Implementation of Family Psychoeducation for Schizophrenia”*

VA HSR&D

Annual Direct Costs: $44,318

Total Costs: $44,318

10/01/05 – 9/30/07 Statistical Consultant PI: Faith Dickerson

*Functional Recovery in Bipolar Disorder: The Role of Neurocognitive Factors*

NARSAD Independent Investigator Award

3/01/06-2/01/08 (Co-Investigator, 5%) PI: Lisa Dixon

 *Informed Care Training Program*

Stulman Foundation

Annual Direct Costs: $144,913

Total Direct Costs: $293,368

9/23/05-7/31/09 Co-Investigator (5% FTE) PI: L Dixon

*A Randomized Trial of Family to Family Education*

*NIMH R01*

Annual Direct Costs: $457,500

Total Direct Costs: $1,489,053

7/01/06-6/30/09 Co-Investigator (10% FTE) PI: R. Goldberg

 *Using* ***MOVE!*** *with Seriously Mentally Ill Veterans*

 VA RR&D Merit

 Annual Direct Costs: $249,400

Total Costs: $749,000

08/01/07-07/31/10 Co-Investigator (5% FTE) PI: E. Slade

*Use of Mental Health and Primary Care Services Among*

*Disadvantaged Young Adults*

NIMH R34 MH081303-01

Annual Direct Costs: $180,645

Total Costs: $450,000

8/1/07-7/30/10 Co-Investigator (10% FTE) PI: L Dixon

*FMPOThe Effectiveness of FMPO in Improving the QOC for Persons with SMI*

VA HSR & D:

Annual Direct Costs: $299,869

Total Direct Costs: $879,092

5/1/09-4/30/11 Consultant, PI: A. Timko (Towson University)

Acceptance-Based Separated Family Treatment for Adolescent Anorexia Nervosa

NIMH R21MH085975-01

4/1/08-3/31/11 Co-Investigator (5% FTE) PI: S. Himmelhoch

*“Developing Telephone Psychotherapy for HIV Related Depression”*

 NIMH R34 MH80630

Annual Direct Costs: $150,000

Total Direct Costs: $450,000

9/30/06-9/29/11 Statistician (5 % FTE) PI: R. Fallot

 *“ISIS Program: Serving African American Women with HIV”*

 Substance Abuse and Mental Health Service Agency

Annual Direct Costs: $39,682

Total Direct Costs: $168,418

7/1/11-12/31/13 Co-Investigator (10% FTE) PI: L. Dixon/S. Essock

 *Recovery After an Initial Episode of Schizophrenia*

 NIMH

 Total Direct Costs: $852,612

4/1/8-5/31/13 Co-Investigator (4% FTE) PI: S. Himmelhoch

*“Developing Telephone Psychotherapy for HIV Related Depression”*

 NIMH R34 MH80630

Annual Direct Costs: $150,000

Total Direct Costs: $450,000

12/1/11-11/30/14 Co-Investigator (4% FTE) PI: F. Dickerson

*“Peer Mentors for Smoking Cessation in SMI”*

 R34MH094555

Annual Direct Costs: $150,000

Total Direct Costs: $450,000

7/1/11 – 06/30/15 Co-Investigator (5% FTE) PI: J. Kreyenbuhl

*“A Smartphone Intervention to Improve Adherence to Antipsychotic Medications”*

 NIMH R34 MH80630

Annual Direct Costs: $150,000

9/9/14-8/31/17 Co-Investigator (10% FTE) PI: Ellen Bassuk

 *Use of Social Media by Young Adults with Schizophrenia*

NIMH R21

Annual Total Costs: $202,293

**Completed Contracts**

7/1/14-6/20/16 Statistician (10% FTE) PI: Seth Himelhoch

 *Maryland Center of Excellence on Problem Gambling*

 State of Maryland Division of Gaming

1/1/09 – 12/31/10 Statistical Consultant (10% FTE) PI: S. Stephan

 *Innovations Institute*

Division of Child and Adolescence

Department of Health and Mental Hygiene

 Total Direct Cost:

7/1/06-6/30/10 Statistician (10% FTE) PI: Howard Goldman

 *Transformation Grant*

 Department of Health and Mental Hygiene

 Annual Direct Costs: $510,000

 Total Direct Costs: $892,711

10/1/02-09/01/03 Statistical Consultant (20%) PI: C. Tamminga

 UT Southwestern

**Publications**

**Peer Reviewed Journals**

1. O'Grady KE, **Medoff DR**: Categorical variables in multiple regression: Some cautions. Multivariate Behavioral Research, 23, 243-260, 1988. Multivariate Behavioral Research, 26:363-387, 1991. (ran simulations, assisted in writing)
2. Holcomb HH, Cascella NG, **Medoff DR**, Gastineau EA, Loats H, Thaker GK, Conley RR, Dannals RF, Wagner HN, Tamminga CA: Glucose metabolism studies in schizophrenia: Test-retest reliability during a visual discrimination task. J Computer Assisted Tomography 17(5):704-709, 1993.
3. Dixon L, DiBietz E, Conley R, Myers P, Santoni T, **Medoff D**, Lehman A: Comparison of DSM-III-R diagnosis and a screen for drug and alcohol use in mentally ill substance users. Hospital and Community Psychiatry 44(8), 748-752, 1993
4. Ross DE, Thaker GK, Holcomb HH, Cascella NG, **Medoff DR**, Tamminga CA: Abnormal smooth pursuit eye movements and regional cerebral glucose metabolism using positron emission tomography in schizophrenic patients. Psychiatry Research 58:53-67, 1995.
5. Holcomb HH, Ritzl EK, **Medoff DR**, Nevitt J, Gordon B, Tamminga CA: Tone discrimination performance in schizophrenic patients and normal volunteers: The impact of stimulus presentation levels and frequency differences. Psychiatry Research 57:75-82, 1995.
6. Lahti AC, Holcomb HH, **Medoff DR**, Tamminga CA: Ketamine activates psychosis in schizophrenia and alters blood flow in human limbic cortex. NeuroReport 6:869-872, 1995.
7. Holcomb HH, Gordon B, Loats HL, Gastineau E, Zhao Z, **Medoff DR**, Dannals RF, Woods R, Tamminga CA: Brain metabolism patterns are sensitive to attentional effort associated with a tone recognition task. Biological Psychiatry 39:1013-1022, 1996
8. Ross DE, Thaker, G.K., Buchanan, R.W., Lahti, A.C., **Medoff, D**., Bartko, J., Moran, M., Hartley, J: Association of Abnormal Smooth Pursuit Eye Movements With the Deficit Syndrome in Schizophrenic Patients. American Journal of Psychiatry 153:9,1158-1165, 1996
9. Holcomb HH, Tamminga CA, Cascella NG, Thaker GK, **Medoff DR**, Gastineau EA, Loats HL, Dannals RF: Functional sites of neuroleptic drug action in human brain: PET/FDG studies with and without haloperidol. American Journal of Psychiatry 153:41-49, 1996.
10. Thaker GK, Ross DE, Buchanan RW, Moran MJ, Lahti A, Kim C, **Medoff D**: Does pursuit abnormality in schizophrenia represent a deficit in the predictive mechanism? Psychiatry Research 59(3):221-237, 1996.
11. Kim CE, Thaker GK, Ross DE, **Medoff DR**: Accuracies of saccades to moving targets during pursuit initiation and maintenance. Experimental Brain Research 13(2):371-337, 1997.
12. Ross DE, Thaker GK, Buchanan RW, Lahti A, **Medoff D**, Bartko J, Goodman J, Tien A: Eye tracking disorder in schizophrenia is characterized by several specific oculomotor defects and is associated with the deficit syndrome. Biological Psychiatry 42:781-796, 1997.
13. Thaker GK, Ross DE, Cassady SL, Adami HM, LaPorte D, **Medoff DR**, Lahti A Arch Gen Smooth pursuit eye movements to extraretinal motion signals: deficits in relatives of patients with schizophrenia. Archives of General Psychiatry, 55: 830-6, 1998.
14. Ross DE, Buchanan RW, Lahti AC, **Medoff D**, Bartko JJ, Compton AD, Thaker GK: The relationship between smooth pursuit eye movements and tardive dyskinesia in schizophrenia. Schizophr Res 31(2‑3):141‑50, 1998.
15. Holcomb HH, **Medoff DR**, Caudill PJ, Zhao Z, Lahti AC, Dannals RF, Tamminga CA: Cerebral blood flow relationships associated with a difficult tone recognition task in trained normal volunteers. Cereb Cortex 8(6):534‑42, 1998.
16. Ross DE, Buchanan RW, **Medoff D**, Lahti AC, Thaker GK: Association between eye tracking disorder in schizophrenia and poor sensory integration. Am J Psychiatry 155(10):1352‑7, 1998**.**
17. Hashimoto T, Ross DE, Gao XM, **Medoff DR**, Tamminga CA: Mixture in the distribution of haloperidol‑induced oral dyskinesias in the rat supports an animal model of tardive dyskinesia. Psychopharmacology 137(2):107‑12, 1998**.**
18. Ross DE, Thaker GK, Buchanan RW, Lahti AC, Conley R, **Medoff DR**: Specific measures account for most of the variance in qualitative ratings of smooth pursuit eye movements in schizophrenia. Arch Gen Psychiatry 55(2):184‑6 1998.
19. Sherr JD, **Medoff DR**, Thaker G: Neuroleptic discontinuation and tardive dyskinesia risk. Am J Psychiatry 156(7):1125‑6, 1999.
20. Thaker GK, Ross DE, Buchanan RW, Adami HM, **Medoff DR**: Smooth pursuit eye movements to extra-retinal motion signals: deficits in patients with schizophrenia. Psychiatry Res. 88(3):209-19, 1999.
21. **Medoff DR**, Tagamets MA. Images in Neuroscience: Neural networks: neural systems III. Am J Psychiatry 157(10):1571, 2000.
22. Thaker GK, Ross DE, Cassady SL, Adami HM, **Medoff DR**, Sherr J. Saccadic eye movement abnormalities in relatives of patients with schizophrenia.Schizophr Res 45 (3):235-44, 2000.
23. **Medoff DR**, Holcomb HH. Images in neuroscience: Neural networks: neural systems II. Am J Psychiatry157(8):1212, 2000.
24. Holcomb HH, Lahti AC **Medoff DR**, Weiler M, Dannals RF, Tamminga CA. Brain activation patterns in schizophrenic and normal volunteers during a matched performance auditory recognition task. Am J Psychiatry, 157(10):1634-45 2000.
25. **Medoff DR**, McIntosh AR. Images in neuroscience: Neural networks: neural systems I. Am J Psychiatry 157(6):877, 2000.
26. Holcomb HH, Lahti AC, **Medoff DR**, Weiler MA, Tamminga, CA. Sequential regional cerebral blood flow brain scans using PET with H215O demonstrates ketamine actions in CNS dynamically. Neuropsychopharmacology, 25, 165-72, 2001
27. Schwarcz R, Rassoulpour A, Wu H-Q, **Medoff DR**, Tamminga CA, Roberts RC. Increased Cortical Kynurenate Content in Schizophrenia. Biological Psychiatry, 50, 521-30, 2001.
28. **Medoff DR**, Holcomb HH, Lahti AC, Tamminga CA. Probing the human hippocampus using rCBF: Contrasts in schizophrenia. Hippocampus, 11, 543-50, 2001.
29. Lahti AC, Holcomb HH, **Medoff DR**, Weiler MA, Tamminga CA, Carpenter WT. Altered regional cerebral blood flow patterns in schizophrenia with primary negative symptoms during an effortful auditory recognition task. Am J Psychiatry, 158, 1797-1808, 2001.
30. Thaker GK, Avila MT, Hong EL, **Medoff DR**, Ross D, Adami HM. A Model of Smooth Pursuit Eye Movement Deficit Associated with the Schizophrenia Phenotype.Psychophysiology, 40, 277-84, 2003.
31. Lahti AC, Holcomb HH, Weiler MA, **Medoff DR**, Tamminga CA. Functional effects of antipsychotic drugs: comparing clozapine with haloperidol. Biol Psychiatry,.53, 601-8, 2003.
32. Tamminga CA, **Medoff DR**. Evaluating glutamatergic transmission in schizophrenia.
Ann N Y Acad Sci., 1003,113-8, 2003.
33. Lahti AC, Holcomb HH, Weiler MA, **Medoff DR**, Frey KN, Hardin M, Tamminga CA. Clozapine but not haloperidol reestablishes normal rCBF patterns in anterior cingulate with cognitive performance. Neuropsychopharmacology, 29, 171-178, 2004.
34. Frost DO, Tamminga CA, **Medoff DR**, Caviness V, Innocenti G, Carpenter WT. Neuroplasticity and Schizophrenia. Biological Psychiatry, 15, 540-3: 2004.
35. Holcomb HH, Parwani A, McMahon RP, **Medoff DR**, Lahti AC, Tamminga, CA. Persons with schizophrenia fail to optimize mental effort during visual and auditory recognition. Psychiatry Research, 127, 207-217, 2004.
36. Dickerson FB, Goldberg RW, Brown CH, Kryenbuhl JA, Wohlheiter K, Fang L, **Medoff DR**, Dixon LB. Diabetes Knowledge among Persons with Serious Mental Illness and Type 2 Diabetes. Psychosomatics, 46, 418-24, 2005.
37. [Lahti AC, Weiler MA, **Medoff DR**, Tamminga CA, Holcomb HH.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15950442&query_hl=2&itool=pubmed_docsum) Functional effects of single dose first- and second-generation antipsychotic administration in subjects with schizophrenia. Psychiatry Research, 139, 19-30, 2005
38. Holcomb HH, Lahti AC, **Medoff DR**, Cullen T, Tamminga CA. Effects Of Non-Competitive NMDA Receptor Blockade On Anterior Cingulate Cerebral Blood Flow In Volunteers With Schizophrenia. Neuropsychopharmacology, 30, 2275-82, 2005.
39. Himmelhoch, S, **Medoff DR**. Efficacy of Antidepressant Medication among HIV+ Individuals with Depression: A Systematic Review and Meta-Analysis. AIDS Patient Care and STDs, 19, 813-22, 2005.
40. Murray-Swank A, Dixon LB, Luckstead, A, **Medoff DR**, Wohlheiter K. Relationships between religiosity, psychosocial adjustment, and subjective burden among family caregivers of persons with serious mental illness. Psychiatric Services, 57, 1-5, 2006.
41. Kreyenbuhl JA, Dickerson FB, **Medoff DR**, Brown CH, Goldberg RW, Fang L, Wohlheiter K, Mittal LP, Dixon, LB. Extent and Management of Cardiovascular Risk Factors in Patients with Type 2 Diabetes and Serious Mental Illness. J Nerv Ment Dis., 194(6):404-10, 2006.
42. [Hackman AL](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_AbstractPlus&term=%22Hackman+AL%22%5BAuthor%5D), [Goldberg RW](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_AbstractPlus&term=%22Goldberg+RW%22%5BAuthor%5D), [Brown CH](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_AbstractPlus&term=%22Brown+CH%22%5BAuthor%5D), [Fang LJ](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_AbstractPlus&term=%22Fang+LJ%22%5BAuthor%5D) [Dickerson FB](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_AbstractPlus&term=%22Dickerson+FB%22%5BAuthor%5D), [Wohlheiter K,](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_AbstractPlus&term=%22Wohlheiter+K%22%5BAuthor%5D) [**Medoff DR**](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_AbstractPlus&term=%22Medoff+DR%22%5BAuthor%5D), Kreyenbuhl JA, Dixon, L. Use of emergency department services for somatic reasons by people with serious mental illness. Psychiatr Serv. 57(4):563-6, 2006.
43. Kelly DL, Dixon L, Kreyenbuhl J, **Medoff DR**, Lehman AF, Love RC, Brown C, Conley RR. Clozapine utilization and outcomes by race in a public mental health system: 1994-2000. Journal of Clinical Psychiatry; 67(9):1404-1411, 2006.
44. Kelly DL, Kreyenbuhl J, Dixon L, Love RC, **Medoff D**, Conley RR. Clozapine Underutilization and Discontinuation in African Americans Due to Leucopenia. Schizophr Bull. 2006 Dec 14;
45. Schweitzer JB, Hanford RB, **Medoff DR**. Working memory deficits in adults with ADHD: is there evidence for subtype differences? Behav Brain Funct. 2006 Dec 15;2:43. .
46. Dixon L, **Medoff DR**, Wohlheiter K, Diclemente C, Goldberg R, Kreyenbuhl J, Adams C, Lucksted A, Davin C. Correlates of severity of smoking among persons with severe mental illness. Am J Addict. 2007 Mar-Apr;16(2):101-10
47. Goldberg RW, Kreyenbuhl JA, **Medoff DR**, Dickerson FB, Wohlheiter K, Fang LJ, Brown CH, Dixon LB. Quality of diabetes care among adults with serious mental illness. Psychiatr Serv. 2007 Apr;58(4):536-43.
48. Murray-Swank AB, Goldberg, RW, Dickerson, FB., **Medoff, DR**, Wohlheiter, KA, Dixon LB.  Correlates of religious service attendance and contact with religious leaders among persons with co-occurring Serious Mental Illness and Type 2 Diabetes. Journal of Nervous and Mental Disease, 2007 May;195(5):382-8.
49. [Himelhoch S, **Medoff DR**, Oyeniyi G.](http://www.ncbi.nlm.nih.gov/pubmed/17949272?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) Efficacy of group psychotherapy to reduce depressive symptoms among HIV-infected individuals: a systematic review and meta-analysis. AIDS Patient Care STDS. 2007 Oct;21(10):732-9.
50. [Himelhoch S, McCarthy JF, Ganoczy D, **Medoff D**, Dixon LB, Blow FC.](http://www.ncbi.nlm.nih.gov/pubmed/17766561?ordinalpos=4&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) Understanding associations between serious mental illness and HIV among patients in the VA Health System. Psychiatr Serv. 2007 Sep;58(9):1165-72.
51. Murray-Swank AB, Glynn S, Cohen AN, Sherman MD, **Medoff DR**, Fang L, Drapalski A, Dixon LB.. Family contact, experience of family relationships, and views about family involvement in treatment among VA consumers with serious mental illness. Journal of Rehabilitation Research and Development, 44(6), 801-812, 2007.
52. Boyd, SJ, Armstrong, KM, Fang, LJ, **Medoff, DR**., Dixon, LB, Gorelick, DA. Social Science Computer Review, 25, 163-173, 2007.
53. Dickinson D. Gold JM, Dickerson FB, **Medoff DR**, Dixon.LB Evidence of Exacerbated Cognitive Deficits in Schizophrenia Patients with Comorbid Diabetes. Psychosomatics; 49:123–131, 2008.
54. Goldberg R., Hackman A, **Medoff D**., Brown C., Fang L., Dickerson F., Kreyenbuhl J., Dixon L. . Physical wellness and employment status among adults with serious mental illness. Community Mental Health Journal, 44:245–251, 2008.
55. Drapalski, AL, Marshall, T, Seybolt, D, **Medoff, D**, Peer, J, Leith, J,Dixon, LB. The unmet needs of families of adults with mental illness and preferences regarding family services. Psychiatric Services, Psychiatr Serv. 2008 Jun;59(6):655-62.
56. Kreyenbuhl J, **Medoff DR**, Seliger SL, Dixon LB. Use of medications to reduce cardiovascular risk among individuals with psychotic disorders and Type 2 diabetes, Schizophrenia Research, 2008 Apr;101(1-3):256-65.
57. Himelhoch S., Leith,J., Goldberg R., Kreyenbuhl J., **Medoff D**, Dixon L. Care and Management of Cardiovascular Risk Factors among Individuals with Schizophrenia and Type 2 Diabetes Who Smoke. Gen Hosp Psychiatry. 2009 Jan-Feb;31(1):30-2.
58. Buzy, WM, **Medoff DR**, Schweitzer JB. Intra-individual among children with ADHD on a working memory task: An ex-Gaussian approach to variability. Child Neuropsychology. 2009 Feb 2:1-19.
59. Himelhoch S, McCarthy JF, Gonaczy D, **Medoff D**, Kilbourne A., Goldberg R, Dixon L., Blow F. Understanding Associations between Serious Mental Illness and Hepatitis C among Veterans: A National Multivariate Analysis. Psychosomatics 2009 50(1) 30-37.
60. Dickerson FB, Kreyenbuhl J, Goldberg RW, Fang L, **Medoff D**, Brown CH, Dixon L. [A 5-year follow-up of diabetes knowledge in persons with serious mental illness and type 2 diabetes.](http://www.ncbi.nlm.nih.gov/pubmed/19653985?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum) J Clin Psychiatry. 2009 Jul;70(7):1057-8.
61. Dixon L, **Medoff D**, Goldberg R, Lucksted A, Kreyenbuhl J, DiClemente C, Potts W, Leith J, Brown C, Adams C, Afful J. Is Implementation of the 5 A’s of Smoking Cessation at Community Mental Health Centers Effective for Reduction of Smoking by Patients with Serious Mental Illness? The American Journal on Addictions, 2009.
62. Kiser LJ, **Medoff D**, Black MM, Nurse W, Fiese BH. Family Mealtime Q-Sort: A measure of mealtime practices. J Fam Psychol. 2010 Feb;24(1):92-6. PubMed PMID:20175614; PubMed Central PMCID: PMC2860572
63. Borzekowski DL, Leith J, **Medoff DR**, Potts W, Dixon LB, Balis T, Hackman AL, Himelhoch S. Use of the internet and other media for health information among clinic outpatients with serious mental illness. Psychiatr Serv. 2009, Sep;60(9):1265-8. PubMed PMID: 19723745
64. Dickerson F, Origoni A, Stallings C, Khushalani S, Dickinson D, **Medoff D**.Occupational status and social adjustment six months after hospitalization early in the course of bipolar disorder: a prospective study. Bipolar Disord. 2010 Feb;12(1):10-20. PubMed PMID: 20148863
65. Brown C, Leith J, Dickerson F, **Medoff D**, Kreyenbuhl J, Fang L, Goldberg R, Potts W, Dixon L. Predictors of mortality in patients with serious mental illness and co-occurring type 2 diabetes. Psychiatry Res. 2010 May 15;177(1-2):250-4. Epub 2010 Feb 16. PubMed PMID: 20163874; PubMed Central PMCID: PMC2866062.
66. Clayton S, Borzekowski D, Himelhoch S, Dixon L, Potts W, **Medoff D**, Hackman A, Balis D. Media and internet ownership and use among mental health outpatients with serious mental illness. Am J Drug Alcohol Abuse. 2009;35(5):364-7. PubMed PMID: 20180665.
67. Kiser LJ, Donohue A, Hodgkinson S, **Medoff D**, Black MM. Strengthening family coping resources: the feasibility of a multifamily group intervention for families exposed to trauma. J Trauma Stress. 2010 Dec;23(6):802-6. PubMed PMID: 21105068
68. Kiser LJ, **Medoff DR**, Black MM. The Role of Family Processes in Childhood Traumatic Stress Reactions for Youths Living in Urban Poverty. Traumatology (Tallahass Fla). 2010 Jun 1;26(2):33-42. PubMed PMID: 21132049.
69. Himelhoch S, Mohr D, Maxfield J, Clayton S, Weber E, **Medoff D**, Dixon L. Feasibility of telephone-based cognitive behavioral therapy targeting major depression among urban dwelling African-American people with co-occurring HIV. Psychol Health Med. 2011 Mar;16(2):156-65. PubMed PMID: 21328144.
70. Dickerson F, Wohlheiter K, **Medoff D**, Fang L, Kreyenbuhl J, Goldberg R, Brown C, Dixon L. Predictors of quality of life in type 2 diabetes patients with schizophrenia, major mood disorder, and without mental illness. Qual Life Res. 2011 Mar 22. PubMed PMID: 21424900
71. Kreyenbuhl J, Leith J, **Medoff DR**, Fang L, Dickerson FB, Brown CH, Goldberg RW, Potts W, Dixon LB. A comparison of adherence to hypoglycemic medications between Type 2 diabetes patients with and without serious mental illness. Psychiatry Res. 2011 Jun 30;188(1):109-14. Epub 2011 Apr 2. PubMed PMID: 21459458
72. Kreyenbuhl J, Slade EP, **Medoff DR**, Brown CH, Ehrenreich B, Afful J, Dixon LB. Time to discontinuation of first- and second-generation antipsychotic medications in the treatment of schizophrenia. Schizophr Res. 2011 Sep;131(1-3):127-32. 2011 May 14. PubMed PMID: 21576008.
73. Dickerson F, Stallings C, Vaughan C, Origoni A, Khushalani S, Dickinson D, **Medoff D**. Cognitive functioning in recent onset psychosis. J Nerv Ment Dis. 2011 Jun;199(6):367-71. PubMed PMID: 21629013
74. Dixon LB, Lucksted A, **Medoff DR**, Burland J, Stewart B, Lehman AF, Fang LJ, Sturm V, Brown C, Murray-Swank A. Outcomes of a randomized study of a peer-taught Family-to-Family Education Program for mental illness. Psychiatr Serv. 2011 Jun;62(6):591-7. PubMed PMID: 21632725
75. Brown CH, **Medoff DR**, Dickerson FB, Kreyenbuhl JA, Goldberg RW, Fang L, Dixon LB. Long-term glucose control among type 2 diabetes patients with and without serious mental illness. J Nerv Ment Dis. 2011 Nov;199(11):899-902.
76. Drapalski AL, **Medoff DR,** Unick GJ, Velligan DI, Dixon LB, Bellack AS. Assessing recovery of people with serious mental illness: development of a new scale. Psychiatr Serv. 2012 Jan 1;63(1):48-53. PubMed PMID: 22227759.
77. Boyd SJ, Fang LJ, Medoff DR, Dixon LB, Gorelick DA. [Use of a 'microecological technique' to study crime incidents around methadone maintenance treatment centers.](http://www.ncbi.nlm.nih.gov/pubmed/22385066) Addiction. 2012 Mar 2. doi: 10.1111/j.1360-0443.2012.03872.x. PMID:22385066
78. Welsh C, Goldberg R, Tapscott S, Medoff D, Rosenberg S, Dixon L. [“Shotgunning" in a population of patients with severe mental illness and comorbid substance use disorders.](http://www.ncbi.nlm.nih.gov/pubmed/22332854) Am J Addict. 2012 Mar-Apr;21(2):120-5.
79. Himelhoch S, Slade E, Kreyenbuhl J, Medoff D, Brown C, Dixon L. [Antidepressant prescribing patterns among VA patients with schizophrenia.](http://www.ncbi.nlm.nih.gov/pubmed/22325077) Schizophr Res. 2012 Apr;136(1-3):32-5. Epub 2012 Feb 9.
80. Ehrenreich MJ, Robinson CT, Glovinsky DB, Dixon LB, **Medoff DR**, Himelhoch SS. Medical Inpatients’ Adherence to Outpatient Psychiatric Aftercare: A Prospective Study of Patients Evaluated By an Inpatient Consultation Liaison Psychiatry Service. Int J Psychiatry Med. 2012;44(1):1-15. PMID: 23356090.
81. [Aakre JM](http://www.ncbi.nlm.nih.gov/pubmed?term=Aakre%20JM%5BAuthor%5D&cauthor=true&cauthor_uid=22654509), [**Medoff DR**](http://www.ncbi.nlm.nih.gov/pubmed?term=Medoff%20DR%5BAuthor%5D&cauthor=true&cauthor_uid=22654509), [Dixon LB](http://www.ncbi.nlm.nih.gov/pubmed?term=Dixon%20LB%5BAuthor%5D&cauthor=true&cauthor_uid=22654509), [Kreyenbuhl JA](http://www.ncbi.nlm.nih.gov/pubmed?term=Kreyenbuhl%20JA%5BAuthor%5D&cauthor=true&cauthor_uid=22654509). Beliefs about antipsychotic versus hypoglycemic medications among individuals with serious mental illness and type 2 diabetes. [Patient Prefer Adherence.](http://www.ncbi.nlm.nih.gov/pubmed/22654509) 2012;6:389-94. 2012 May 9.
82. Lucksted, A**., Medoff, D**., Burland, J., Fang, L.J., Brown, C., Jones, A., Lehman, A., Dixon, L.B. Long-term outcomes of a peer-taught family education program on mental illness, Acta Psychiatr Scand. 2013 Apr;127(4):279-86.
83. Stephan S, Westin A, Lever N, **Medoff D**, Youngstrom E, Weist M. Do School-Based Clinicians’ Knowledge and Use of Common Elements Correlate with Better Treatment Quality? School Mental Health. 2013, Aug; 4(3). DOI 10.1007/s12310-012-9079-8
84. Marcus SM, **Medoff D**, Fang LJ, Weaver J, Duan N, Lucksted A, Dixon LB. Generalizability in the Family-to-Family Education Program Randomized Waitlist-Control Trial Psychiatr Serv. Psychiatr Serv. 2013 Aug 1;64(8):754-63.PMID: 23633161
85. Goldberg RW, Reeves G, Tapscott S, **Medoff D**, Dickerson F, Goldberg AP, Ryan AS, Fang LJ, Dixon LB. ["MOVE!": Outcomes of a Weight Loss Program Modified for Veterans With Serious Mental Illness.](http://www.ncbi.nlm.nih.gov/pubmed/23584716) Psychiatr Serv. 2013 Apr 15 PMID:23584716
86. Cohen AN, Drapalski AL, Glynn SM, **Medoff D**, Fang LJ, Dixon LB. Preferences for family involvement in care among consumers with serious mental illness. Psychiatr Serv. 2013 Mar 1;64(3):257-63..PMID: 23242515
87. Himelhoch S, **Medoff D**, Maxfield J, Dihmes S, Dixon L, Robinson C, Potts W, Mohr DC. AIDS Behav. [Telephone Based Cognitive Behavioral Therapy Targeting Major Depression Among Urban Dwelling, Low Income People Living with HIV/AIDS: Results of a Randomized Controlled Trial.](http://www.ncbi.nlm.nih.gov/pubmed/23644816) 2013 May 5. PMID:23644816
88. Dixon LB, Glynn SM, Cohen A, Drapalski AL, **Medoff D**, Fang LJ, Potts W, Gioia D: Outcomes of a brief program, REORDER, to promote consumer recovery and family involvement in care. Psychiatric Services, 65(1), 116-120.
89. Schiffman, J. Kline, E. Jones, A. **Medoff, D**. Lucksted, A. Fang, L. Dixon, LB. Comparing Parents of Youth with Parents of Adults Seeking a family Peer Education Program. Psychiatr Serv. 2014 Feb 1;65(2):247-50. PMID:24492901
90. Klingaman EA, Viverito KM, **Medoff DR**, Hoffmann RM, Goldberg RW. [Strategies, Barriers, and Motivation for Weight Loss Among Veterans Living With Schizophrenia.](http://www.ncbi.nlm.nih.gov/pubmed/24884299) Psychiatr Rehabil J. 2014 Jun 2. PMID:24884299
91. Muralidharan A, Lucksted A, **Medoff D**, Fang LJ, Dixon L. Stigma: a Unique Source of Distress for Family Members of Individuals with Mental Illness. J Behav Health Serv Res. 2014 Aug 29. [Epub ahead of print] PubMed PMID: 25168187.
92. Smith ME, Lindsey MA, Williams CD, **Medoff DR**, Lucksted A, Fang LJ, Schiffman J, Lewis-Fernández R, Dixon LB. Race-Related Differences in the Experiences of Family Members of Persons with Mental Illness Participating in the NAMI Family to Family Education Program. Am J Community Psychol. (2014) 54:316–327 PubMed PMID: 25213395.
93. Lucksted, A., Burland, J., Riddle, J., Stewart, B., Adams, C., McCutcheon, S., Jones, J., **Medoff, D**., Drapalski, A., Dixon, L. (2014). Stigma and families of individuals with mental illness. Nuova Rassegna Di Studi Psichiatrici, vol 10. (online journal at http://cdsfweb02.usl7.toscana.it/NRSP/)
94. Park SG, Derman M, Dixon LB, Brown CH, Klingaman EA, Fang LJ, **Medoff DR**,Kreyenbuhl J. Factors Associated With Shared Decision-Making Preferences AmongVeterans With Serious Mental Illness. Psychiatr Serv. 2014 Sep 2. PubMed PMID: 25178383.
95. Klingaman EA, **Medoff DR**, Park SG, Brown CH, Fang L, Dixon LB, Hack SM, Tapscott SL, Walsh MB, Kreyenbuhl JA. Consumer Satisfaction With Psychiatric Services: The Role of Shared Decision Making and the Therapeutic Relationship. Psychiatr Rehabil J. 2015 Feb 9. [Epub ahead of print] PubMed PMID: 25664755.
96. Kiser L, Baker P, Winkles, J, **Medoff DR**. Strengthening Family Coping Resources (SFCR): Practice-based evidence for a promising trauma intervention. Couple and Family Psychology: Research and Practice 01/2015; 4(1):49-59.
97. Katz J, **Medoff D**, Fang LJ, Dixon LB. The Relationship Between the Perceived Risk of Harm by a Family Member with Mental Illness and the Family Experience. Community Ment Health J. 2014 Dec 23. [Epub ahead of print] *PMID: 25535047*
98. Schiffman, J., Reeves, G., Kline, E., **Medoff, D**., Luksted, A., Hoagwood, K., Fang, L.J., & Dixon, L. (2015). Outcomes of a Family Peer Education Program for Families of Youth and Adults with Mental Illness. International Journal of Mental Health, vol. 43, no. 4, Winter 2014–15.
99. Pearce, M.J., **Medoff, D**., Lawrence, R.E., Dixon, L. (2016). Religious coping among adults caring for family members with serious mental illness. Community Mental Health Journal. Feb; 52(2): 194-202. PMID: 25895855
100. Record EJ, **Medoff DR**, Dixon LB, Klingaman EA, Park SG, Hack S, Brown CH, Fang LJ, Kreyenbuhl J. Access to and Use of the Internet by Veterans with Serious Mental Illness. Community Ment Health J. 2015 Mar 31. PMID: 25821927
101. Himelhoch SS, Miles-McLean H, **Medoff D**, Kreyenbuhl J, Rugle L, Brownley J, Bailey-Kloch M, Potts W, Welsh C. Twelve-Month Prevalence of DSM-5 Gambling Disorder and Associated Gambling Behaviors Among Those Receiving Methadone Maintenance. J Gambl Stud. 2015 Mar 15. PMID: 25773867
102. Brown CH, **Medoff D**, Dickerson FB, Fang LJ, Lucksted A, Goldberg RW, Kreyenbuhl J, Himelhoch S, Dixon LB. Factors influencing implementation of smoking cessation treatment within community mental health centers. J Dual Diagn. 2015 Apr-Jun;11(2):145-50. PubMed PMID: 25985201.
103. Himelhoch SS, Miles-McLean H, **Medoff DR**, Kreyenbuhl J, Rugle L, Bailey-Kloch M, Potts W, Welsh C, Brownley J. Evaluation of brief screens for gambling disorder in the substance use treatment setting. Am J Addict. 2015 May 12. PubMed PMID: 25963048.
104. Schwartz E, Charlotte M, Slade E, **Medoff D**, Li L, Dixon L, Kilbourne A, Kreyenbuhl J. Gender differences in antipsychotics prescribed to veterans with serious mental illness. Gen Hosp Psychiatry. 2015 Jul-Aug ;37(4):347-51 PubMed PMID: 25936673.
105. Charlotte M., Schwartz E., Slade E., **Medoff D**., Li L., Dixon L., Kilbourne A., Kreyenbuhl J. 2015. Gender differences in mood stabilizer medications prescribed to Veterans with serious mental illness. Journal of Affective Disorders, 188, 112-117.
106. Toohey MJ, Muralidharan A, **Medoff D**, Lucksted A, Dixon L. [Caregiver Positive and Negative Appraisals: Effects of the National Alliance on Mental Illness Family-to-Family Intervention.](http://www.ncbi.nlm.nih.gov/pubmed/26825266) J Nerv Ment Dis. 2016 Feb;204(2):156-9. PMID: 26825266
107. Dickerson FB, Savage CL, Schweinfurth LA, **Medoff DR**, Goldberg RW, Bennett M, Lucksted A, Chinman M, Daumit G, Dixon L, DiClemente C. [The Use of Peer Mentors to Enhance a Smoking Cessation Intervention for Persons With Serious Mental Illnesses.](http://www.ncbi.nlm.nih.gov/pubmed/26461436) Psychiatr Rehabil J. 2015 Oct 12. [Epub ahead of print] PMID: 26461436
108. Reeves GM, Wehring HJ, Connors KM, Bussell K, Schiffman J, **Medoff DR**, Tsuji T, Walker J, Brown A, Strobeck D, Clough T, Rush CB, Riddle MA, Love RC, Zachik A, Hoagwood K, Olin SS, Stephan S, Okuzawa N, Edwards S, Baquet C, dosReis S. [The Family Value of Information, Community Support, and Experience Study: Rationale, Design, and Methods of a "Family-Centered" Research Study.](http://www.ncbi.nlm.nih.gov/pubmed/26524515) J Nerv Ment Dis. 2015 Dec;203(12):896-900. PMID: 26524515
109. Klingaman EA, Hoerster KD, Aakre JM, Viverito KM, **Medoff DR**, Goldberg RW. [Veterans with PTSD report more weight loss barriers than Veterans with no mental health disorders.](http://www.ncbi.nlm.nih.gov/pubmed/26719103) Gen Hosp Psychiatry. 2015 Nov 18. pii: S0163-8343(15)00238-8. doi: 10.1016/j.genhosppsych.2015.11.003. [Epub ahead of print] PMID: 26719103
110. Kreyenbuhl J, **Medoff DR**, McEvoy JP, Smith TE, Hackman A, Nossel IR, Dixon LB, Essock SM, Buchanan RW. The RAISE Connection Program: Psychopharmacological Treatment of People with a First Episode of Schizophrenia. In press, Psychiatric Services.
111. Kreyenbuhl J, Dixon LB, Brown CH, **Medoff DR**, Klingaman EA, Fang L, Tapscott S, Walsh M. A Randomized Controlled Trial of a Patient-Centered Approach to Improve Screening for the Metabolic Side Effects of Antipsychotic Medications. Community Mental Health Journal 2016 Apr 9. [Epub ahead of print] PubMed PMID: 27061185.
112. Hack SM, **Medoff DR**, Brown CH, Fang L, Dixon LB, Klingaman EA, Park SG, Kreyenbuhl JA. Predictors of Patient Communication in Psychiatric Medication Encounters Among Veterans With Serious Mental Illnesses. Psychiatr Rehabil J. 2016 May 9. [Epub ahead of print] PubMed PMID: 27159111.
113. Kreyenbuhl J, Record EJ, Himelhoch S, Charlotte M, Palmer-Bacon J, Dixon LB, **Medoff DR,** Li L. Development and Feasibility Testing of a Smartphone Intervention to Improve Adherence to Antipsychotic Medications. In press, Clinical Schizophrenia & Related Psychoses.
114. Palmer-Bacon J, Miles-McLean H, Welsh C, Rugle L, **Medoff D,** Potts W, Himelhoch S. Impact of a Casino Opening on Gambling Behaviors of People Engaged in Methadone Maintenance. J Gambling Studies 2016 Jun 2. [Epub ahead of print] PubMed PMID: 27256373.
115. Drapalski AL, **Medoff D**, Dixon L, Bellack A. The reliability and validity of the Maryland Assessment of Recovery in Serious Mental Illness Scale. Psychiatry Research. 2016 May 0;239:259-64. doi: 10.1016/j.psychres.2016.03.031. Epub 2016 Mar 22. PubMed PMID: 7039010.
116. Jahn DR, DeVylder JE, Drapalski AL, **Medoff D**, Dixon LB. Personal Recovery as a Protective Factor Against Suicide Ideation in Individuals With Schizophrenia. Journal of Nervous and Mental Disease. 2016 Apr 22.[Epub ahead of print] PubMed PMID: 27105456.
117. Himelhoch SS, Miles-McLean H, **Medoff D**, Kreyenbuhl J, Rugle L, Brownley J, Bailey-Kloch M, Potts W, Welsh C. Twelve-Month Prevalence of DSM-5 Gambling Disorder and Associated Gambling Behaviors Among Those Receiving Methadone Maintenance. J Gambling Studies.2016 Mar;32(1):1-10. doi: 10.1007/s10899-015-9524-3. PubMed PMID: 25773867.
118. Dickerson FB, Savage CL, Schweinfurth LA, **Medoff DR**, Goldberg RW, Bennett M, Lucksted A, Chinman M, Daumit G, Dixon L, DiClemente C. The use of peer mentors to enhance a smoking cessation intervention for persons with serious mental illnesses. Psychiatry Rehabilitation Journal. 2016 Mar;39(1):5-13. doi: 10.1037/prj0000161. Epub 2015 Oct 12. PubMed PMID: 26461436; PubMed Central PMCID: PMC4792757.
119. Kreyenbuhl JA, **Medoff DR**, McEvoy JP, Smith TE, Hackman AL, Nossel IR, Dixon LB, Essock SM, Buchanan RW. The RAISE Connection Program: Psychopharmacological Treatment of People With a First Episode of Schizophrenia. Psychiatr Serv. 2016 Jul 1:appips201500438. [Epub ahead of print] PubMed PMID: 27364816.
120. Blizzard AM, Glos LJ, Stephan SH, **Medoff D**, Slade EP. Impacts of a Medicaid Wraparound Model Demonstration Program on Youth Specialty Mental Health Services Use. J Behav Health Serv Res. 2016 Jun 15. [Epub ahead of print] PubMed PMID:27306371.
121. Kreyenbuhl J, Dixon LB, Brown CH, **Medoff DR**, Klingaman EA, Fang LJ, Tapscott S, Walsh MB. A Randomized Controlled Trial of a Patient-Centered Approach to Improve Screening for the Metabolic Side Effects of Antipsychotic Medications. Community Ment Health J. 2017 Feb;53(2):163-175. doi: 10.1007/s10597-016-0007-5. PubMed PMID: 27061185.
122. Saeedi O, Ashraf H, Slade EP, **Medoff DR**, Li L, Friedman DS, Kreyenbuhl J. Trends in Prevalence of diagnosed Ocular Disease and Utilization of Eye Care Services in American Veterans. Am J Ophthalmol. 2017 Jan;173:70-75. doi: 10.1016/j.ajo.2016.09.030. PubMed PMID: 27702620; PubMed Central PMCID: PMC5291830.
123. Thomas EC, Muralidharan A, **Medoff D**, Drapalski AL. Self-efficacy as a mediator of the relationship between social support and recovery in serious mental illness. Psychiatr Rehabil J. 2016 Dec;39(4):352-360. PubMed PMID: 27845532.
124. Saeedi O, Ashraf H, Malouf M, Slade EP, **Medoff DR**, Li L, Kreyenbuhl J. Prevalence of diagnosed ocular disease in veterans with serious mental illness. Gen Hosp Psychiatry. 2016 Nov - Dec;43:1-5. doi: 10.1016/j.genhosppsych.2016.08.003. PubMed PMID: 27796250; PubMed Central PMCID: PMC5111362.

## Book Chapters

1. Tamminga, C.A., Lahti, A.C., **Medoff, D.R**., Holcomb, H.H.: The functional involvement of the anterior cingulate cortex in schizophrenic psychosis. In Psychiatrie der Gegenwart, H. Helmchen, F. Henn, H. Lauter, N. Sartorius (eds.) Springer Verlag, KG Berlin, Heidelberg, Germany, 1998.
2. Holcomb HH, Lahti AC **Medoff DR**, Tamminga CA. Functional Neuroimaging in schizophrenia: Symptoms, treatment, and etiology. In Schizophrenia in a Molecular Age**,** CA Tamminga, Ed., American Psychiatric Press, Inc., 1999.
3. Tamminga, C.A., Thaker, G.K., **Medoff, D.R.:** Neuropsychiatric aspects of schizophrenia. InTextbook of Neuropsychiatry and Clinincal Neurosciences, S.C. Yudofski & R.E. Hales, Eds., 4th Edition, American Psychiatric Publishing, Washington DC, 2002.
4. Tamminga, C.A., **Medoff, D.R**.: The biology of schizophrenia. Dialogues in Clinical Neuroscience, 2004.

## Abstracts and/or Proceedings

1. Holcomb HH, Gordon B, Loats HL, Gastineau EA, **Medoff D**, Dannals RF, Tamminga CA. Increased attentional effort during a pitch discrimination task elevates regional brain glucose utilization. Soc. Neurosci. Abstr., vol. 18, part 1, p. 934, 1992.
2. Holcomb H, Gordon B, Loats HL, Gastineau EA, **Medoff D**, Tamming C. Increased Attentional Effort During a Pitch Discrimination Task Elevates Regional Brain Glucose Utilization. Schizophr Res 1993; 9(2-3).
3. **Medoff DR**, Summerfelt A, Loats HL, Holcomb HH, Tamminga CA. The statistical effects of different methods for controlling the global factor in PET-FDG imaging studies. Schizophr Res 1993; 9(2-3):203.
4. Ross DE, Thaker GK, Holcomb HH, Cascella NG, **Medoff DR**, Tamming C. Abnormal Smooth Pursuit Eye Movements and Regional Cerebral Glucose Metabolism in Schizophrenia Patients. Schizophr Res 1993; 9(2-3):
5. Holcomb HH, Caudill PJ, Zhao Z, **Medoff D**, Ravert HT, Dannals RF, Tamminga CA. rCBF patterns associated with effortful tone recognition in trained normal volunteers. Soc. Neurosci. Abstr., vol. 20, part 1, p. 435, 1994.
6. Caudill PJ, Holcomb HH, **Medoff D**, Lahti A. Psychophysical differences in an auditory recognition task with schizophrenic patients and normal volunteers. Schizophr Res 1995; 15(1-2):122-123.
7. Conley R, **Medoff D**, Wong D, Tamminea C. 11C NMSP receptor occupancy by clozapine and haloperidol in schizophrenic subjects. Schizophr Res 1995; 15(1-2):80.
8. Holcomb HH, Caudill PJ, Zhao Z, **Medoff D**, Lahti A, Ravert HT et al. rCBF pattern differences in trained normal volunteers and schizophrenic patients performing effortful tone recognition tasks. Schizophr Res 1995; 15(1-2):84.
9. Holcomb HH, Caudill PJ, Zhao Z, **Medoff D**, Ravert HT, Dannals RF, Tamminga CA. rCBF in cingulate, frontal and parietal cortices is highly correlated with accurate decision response time during tone recognition. Soc. Neurosci. Abstr., vol. 21, part 3, p. 1988, 1995.
10. **Medoff DR**, Holcomb HH, Cascella N, Buchanan RW, Tamminga CA: Statistical parametric mapping of correlations between clinical symptoms and regional glucose metabolism in schizophrenics. Schizophrenia Research, 15(1):92, 1995.
11. Lahti AC, Holcomb HH, Zhao M, **Medoff DR**, Tamminga CA. The glutamatergic system and schizophrenia. Schizophr Res 1995; 15(1-2):157-158.
12. Lahti AC, Tamminga CA, Holcomb HH, Caudill PJ, Zhao M, **Medoff DR** et al. rCBF pattern differences between schizophrenic patients with and without enduring negative symptoms (deficit symptoms). Schizophr Res 1995; 15(1-2):89.
13. Ross DE, Thaker GT, Moran M, Medoff D. Early and late components of smooth pursuit eye movements in schizophrenic patients vs normal controls. Schizophr Res 1995; 15(1-2):184.
14. **Medoff D**, Lahti, AC, Holcomb HH, Zhao M, Priebe CE, Tamminga CA: Pharmacodynamic analysis of ketamine action in schizophrenia. Society for Neuroscience 21(3):2104, 1995.
15. Holcomb HH, Lahti AC, **Medoff DR**, Caudill PJ, Corey P, Warfel D, Zhao Z, Cheen L-W, Tamminga CA. Response Time (RT) versus rCBF correlations in schizophrenic patients (SZ) and normal volunteers (NV) during tone recognition. Soc. Neurosci. Abstr., vol 22, part 2, p. 1193, 1996.
16. **Medoff DR**, Holcomb HH, Chen L, Lahti AC, Tamminga CA: Interregional O[15] blood flow connectivity in schizophrenics and normal controls during an auditory siscrimination task assessed with principal factor analysis. Society for Neuroscience 23(1):561, 1997.
17. **Medoff DR**, Holcomb HH, Lahti AC, Zhao Z, Chen LW, Tamminga CA: The methodological effects of repeated [15]0 pet blood flow scans in schizophrenic and normal volunteers during rest and task performance. Schizophrenia Research 24(1,2):169, 1997.
18. Thaker GK, Ross DE, Buchanan RW, Adami H, **Medoff D**. Smooth pursuit eye movements (SPEM) to extraretinal motion signals in schizophrenia. Schizophr Res 1997; 24:245
19. **Medoff, D.R**., Zhao, M., Holcomb, H.H., Lahti, A.C., Tamminga, C.A. Grey and white matter differences as measured by segmented magnetic resonance images before and after 3D normalization in schizophrenic subjects and normal controls. Society for Neuroscience, 24(1): 502,1998.
20. Holcomb H, Lahti A, **Medoff D**, Weiler M, Ma N, Tamming C. The Schizophrenia Patient's Inability to Efficiently Switch Neural Resources between Frontal and Sensory/Motor Regions May Contribute to Impaired Working Memory. Schizophr Res 1999; 36(1-3):222.
21. Ross DE, Buchanan RW, Lahti AC, **Medoff D**, Bartko JJ, Compton AD et al. The relationship between smooth pursuit eye movements and tardive dyskinesia in schizophrenia. Schizophr Res 1998; 31(2-3):141-150.
22. Michaelidis T, Lahti A, Warfel D, **Medoff D**, Tamming C. Factor Structure of Schizophrenia Symptoms over Three Clinical States. Schizophr Res 1999; 36(1-3):25.
23. Kakoyannis A, Frey K, Weiler M, **Medoff D**, Lahti A, Holcomb H et al. Response to Training: Do Patients with Schizophrenia Differ from Healthy Controls in their Response to Auditory Discrimination Training? Schizophr Res 1999; 36(1-3):171.
24. Parwani A, **Medoff D**, Holcomb H. Size and Shape Recognition: Accuracy and Response Time Functions Determined by the Disparity between a Reference Template and a Test Sample. Schizophr Res 1999; 36(1-3):179.
25. Tamminga CA, Parwani A, Holcomb HH, Lahti AC, **Medoff DR**, Weiler M. Auditory and visual recognition in healthy volunteers and patients with schizophrenia, differences in task performance dynamics. Society for Neuroscience, Miami Beach, FL, October 23-28, 1999.
26. Holcomb HH, Lahti AC, **Medoff DR**, Tagamets M, Weiler M, Ma N, Tamminga CA. Cingulate-Frontal interregional correlations and their associations with response time, PET blood flow patterns in normals and patients with schizophrenia during tone recognition. Society for Neuroscience, New Orleans, LA November 4-9, 2000.
27. Lahti, A. C.; Holcomb, H. H.; **Medoff, D. R**.; Weiler, M. A.; Tamminga, C. A. Ketamine pharmacokinetic measures: relation to behavior and rCBF changes. New Orleans, LA: Society for Neuroscience, 2000 Online
28. Tagamets, M. A.; Parwani, A.,**Medoff, D. R.**1 Beason-Held, L. L.; Tamminga, C. A.; Holcomb, H. H.A topographic survey of anterior cingulate connections as revealed by PET activation correlations. Society for Neuroscience, New Orleans, LA: Society for Neuroscience, 2000 Online
29. **Medoff, D. R.**; Tagamets, M. A.; Gullapalli, R. P.; Lahti, A. C.; Tamminga, C. A.; Holcomb, H. H.. An fMRI auditory discrimination task: a comparison to H215O PET. New Orleans, LA: Society for Neuroscience, 2000. Online
30. Schweitzer, J. B.; Hanford, R. B.; **Medoff, D. R.** ADHD subtypes: do working memory measures differentiate subtypes? New Orleans, LA: Society for Neuroscience, 2000 Online
31. **Medoff D**, Holcomb H, Lahti A, Tagamets MA, Tamming C. An fMRI Study of Auditory Discrimination in Normal and Schizophrenic Volunteers: A Comparison to [O15]PET. Schizophr Res 2001; 49(1-2 Supplement)
32. Lahti A, Holcomb H, Weiler M, **Medoff D**, Tamming C. Effect of antipsychotic medications on rCBF patterns during performance of a cognitive task. Schizophr Res 2001; 49(1-2 Supplement)
33. **Medoff, D. R.**; Gao, X. M.; Holcomb, H. H.; Lahti, A. C.; Tamminga, C. A. Probing Hippocampal Function In Schizophrenia Using Rcbf And Postmortem Tissue. San Diego, CA: Society for Neuroscience, 2001. Online
34. Tagamets, M. A**.**; O'Donnell, P. S.; **Medoff, D. R**.; Schweitzer, J. B.; Holcomb, H. H. An fMRI Study of Single Word Reading in Schizophrenia. San Diego, CA: Society for Neuroscience, 2001. Online
35. Lahti, A. C.; Holcomb, H. H.; Weiler, M. A.; **Medoff, D. R**.; Tamminga, C. A. Contrasting the effects of haloperidol and clozapine on rCBF patterns during a cognitive task. San Diego, CA: Society for Neuroscience, 2001. Online
36. Warfel D, Lahti A, Holcomb H, Weiler M, **Medoff D**, Tamming C. NMDA- Sensitive Glutamate Antagonism: A Human Model for Psychosis. Schizophr Res 2001; 49(1-2 Supplement).
37. Cullen, T. J.; Holcomb, H. H.; Lahti, A. C.; **Medoff, D. R**.; Carpenter Jr, W.; Tamminga, C. A. Ketamine Action on rCBF in Schizophrenia: a Pharmacodynamic Analysis. Orlando, FL: Society for Neuroscience, 2002. Online.
38. Gao, X. M, **Medoff, D.** ; White, A. N.; Roberts, R. C.; Tamminga, C. A. Regionally Hippocampal Abnormalities In Schizophrenia: Rcbf And Neurochemical Changes Are Confined To The Anterior Portion. Orlando, FL: Society for Neuroscience, 2002. Online.
39. **Medoff, D. R.**; Holcomb, H. H.; Lahti, A. C.; Tamminga, C. A.Abnormal Connectivity Within Limbic Cortex in Schizophrenia Using SEM. Orlando, FL: Society for Neuroscience, 2002. Online.
40. Schulz SC, Lim KO, Gruetter R, **Medoff D**, Tamminga CA. High field MRS of glutamate and schizophrenia. Schizophr Res 2003; 60(1, Supplement 1):245-246.
41. Tamminga C, Gao XM, **Medoff D**, White AN, Roberts R, Frost DO. Regional hippocampal abnormalities in schizophrenia: RCBF and neurochemical changes are confined to the anterior portion. Schizophr Res 2003; 60(1, Supplement 1):67.
42. **Medoff DR**, Tamminga CA, Lahti AC, Holcomb HH. Abnormal limbic system connectivity in schizophrenia. Schizophr Res 2003; 60(1, Supplement 1):228-229.
43. Schweitzer, J. B.; Cortes, C. R.; Gullapalli, R. P.; **Medoff, D. R**.; Dunning, C.; Tagamets, M..Working memory in children with attention deficit hyperactivity disorder: an fMRI study. Orlando, FL: Society for Neuroscience, 2003. Online.
44. **Medoff DR**, Kreyenbuhl J, Dickerson F, Brown C, Wohlheiter K, Goldberg R, Dixon L. Predictors of hemoglobin A1C levels in persons with diabetes and serious mental illness. Schizophrenia Bulletin 2005; 31 (2): 546.
45. Kelly DL, Dixon L, Kreyenbuhl J, Lehman AF, Love RC, **Medoff D**, Brown C, Conley RR. (June 2005). Clozapine Utilization and Outcomes by Race in a Public Mental Health System. Poster presented at the 45th Annual New Clinical Drug Evaluation Unit Annual Meeting, Boca Raton, FL.
46. Himelhoch S, Leith J, Kreyenbuhl J, Goldberg R, **Medoff D**, Dixon L (May 2008). Care and Management of Cardiovascular Risk Factors among Individuals with Type 2 Diabetes who Smoke. Poster presented at the American Psychiatric Association Annual Meeting, Washington, DC.
47. Brown, C, Kreyenbuhl J. **Medoff D**, Dickerson F, Dixon, L. Predictors of Mortality in Patients with Serious Mental Illness and Co-Occurring Type 2 diabete”, Schizophr Bull, March 2009; **35** (1):
48. Kreyenbuhl J, Dixon LB, **Medoff DR**, Rotondi A (August 2011). A Patient-Centered Approach to Improve Screening for Side Effects of Second-Generation Antipsychotics. Poster presented at the 5th Veterans Health Administration Mental Health Conference: Improving Veterans Mental Health Care for the 21st Century, Baltimore, Maryland.
49. Kreyenbuhl J, Dixon LB, Brown C, **Medoff DR**, Fang L (June 2013). A Patient-Centered Approach to Improve Screening for Side Effects of Second-Generation Antipsychotics. Paper presented at the AcademyHealth Annual Research Meeting, Baltimore, Maryland.
50. Kreyenbuhl J, Slade EP, **Medoff DR**, Li L, Kilbourne A, Dixon LB (June 2013). Gender Differences in Prescription of Antipsychotics and Mood Stabilizers with Weight Gain Potential among Veterans with Serious Mental Illness. Poster presented at the AcademyHealth Annual Research Meeting, Baltimore, Maryland.
51. Klingaman E, **Medoff D**, Brown CH, Fang L, Kreyenbuhl J (June 2013). Among Veterans with Serious Mental Illness, What Predicts Satisfaction with Psychiatry Visits? The Role of Shared Decision-Making. Poster presented at the University of Maryland Department of Psychiatry Research Day, Baltimore, MD.
52. Klingaman E, **Medoff D**, Brown CH, Fang L, Kreyenbuhl J (November 2013). Predicting Satisfaction with Psychiatry Visits: Self-Efficacy, Preferences for Participating in Decision-Making, and Provider Communication. Poster presented at the Association for Behavioral and Cognitive Therapies, Nashville, TN.
53. Kreyenbuhl J, Slade EP, **Medoff DR**, Li L, Schwartz E, Charlotte M, Kilbourne A, Dixon LB (July 2014). Gender Differences in Prescription of Antipsychotics and Mood Stabilizers with Weight Gain Potential among Veterans with Serious Mental Illness. Poster presented at the National VA HSR&D Conference on Enhancing Partnerships for Research and Care of Women Veterans, Arlington, VA.
54. Welsh C, Miles-McLean H, **Medoff D**, Kreyenbuhl J, Brownley J, Bailey-Kloch M, Potts W, Rugle L, Himelhoch S (September 2014). Risk of Gambling Disorder and Associated Gambling Behaviors among Those Attending Methadone Maintenance. Poster presented at the Annual Meeting for the National Center for Responsible Gaming, Las Vegas, NV.
55. Himelhoch S, Welsh C, Miles-McLean H, **Medoff D**, Kreyenbuhl J, Brownley J, Bailey-Kloch M, Potts W, Rugle L (September 2014). Brief Screening for Pathological Gambling in the Substance Abuse Treatment Setting. Poster presented at the Annual Meeting for the National Center for Responsible Gaming, Las Vegas, NV.

**Proffered Communications**

1998 Holcomb HH, Lahti AC, Weiler M, **Medoff DR**, Tamminga CA. Neuroleptic treatment of schizophrenic patients: how do haloperidol and clozapine normalize brain blood flow patterns associated with a difficult tone recognition task? Proceedings of the IVth Search for the Causes of Schizophrenia, Brazil,

2002 Holcomb HH, Cullen TJ, Beason-Held L, Tagamets MA, **Medoff DR**, Tamminga CA. Task difficulty manipulations determine brain activity differences between schizophrenic and control groups, an event-related fMRI study using a visual delayed-match-to-sample design. International Society for Magnetic Resonance in Medicine, Honolulu, Hawaii.

2005 Kelly DL, Dixon L, Kreyenbuhl J, Lehman AF, Love RC, **Medoff D**, Brown C, Conley RR. Clozapine Utilization and Outcomes by Race in a Public Mental Health System. Poster presented at the 45th Annual New Clinical Drug Evaluation Unit Annual Meeting, Boca Raton, FL.

2005 Kelly DL, Dixon L, Kreyenbuhl J, Lehman AF, Love RC, **Medoff D**, Brown C, Conley RR. Clozapine Utilization and Outcomes by Race in a Public Mental Health System. Poster presented at the 45th Annual New Clinical Drug Evaluation Unit Annual Meeting, Boca Raton, FL.

2006 Himelhoch, S**,** McCarthy, J.F., Gonaczy, D., **Medoff, D**., Dixon, L., Blow, F.VA, HSR&D Conference, Prevalence of HIV among those with Serious Mental Illness. Washington, D.C.

2006 Himelhoch, S**,** McCarthy, J.F., Gonaczy, D., **Medoff, D.,** Dixon, L., Blow, F. American Public Health Association, Prevalence of HIV among those with

 Serious Mental Illness. Boston, MA.

2007 F Dickerson, R Buchanan, A Lehman, **D Medoff**, D Gioia, L Dixon

An Innovative Consumer Provider Partnership to Enhance Behavioral Rehabilitation for Persons with Serious Mental Illness. Poster presentation at the conference of the Association for Behavioral and Cognitive Therapies

Phila, PA.

2007 Himelhoch, S**,** McCarthy, J.F., Gonaczy, D., **Medoff, D**., Kilbourne, A., Goldberg, R., Dixon, L., Blow, F. American Public Health Association, Prevalence of Hepatitis C among those with Serious Mental Illness. Washington, D.C.

2008 F Dickerson, D Gioia, R Buchanan, A Lehman, D Medoff, L Dixon.

An Innovative Consumer-Provider Partnership to Improve Care Poster presentation at BU Center for Psychiatric Rehabilitation Conference

Boston, MA.

2009 Dickerson, F, Stallings C, Origoni A, Khushalani S, Dickinson D, **Medoff D**. Functional Recovery in Bipolar Disorder: A prospective Study. Poster presentation at International Conference on Bipolar Disorders, Pittsburgh, PA