

Appendix 19: Severe Mental Illness/Psychiatric Rehabilitation Emphasis Area at IUPUI

Psychiatric rehabilitation is the science and practice of helping people with severe mental illness (SMI) recover a life of meaning in the community. We focus on those whose functioning has been impaired by mental illnesses such as schizophrenia, bipolar disorder, major depression, etc. As researchers, we are interested in a range of processes that can help recovery, from understanding issues of risk, early identification, and mechanisms of action to developing, evaluating, and implementing interventions that effectively promote and support recovery. Psychologists in this area collaborate with other healthcare researchers and practitioners, including physicians, nurses, social workers, and others. Students with training in SMI/Psychiatric rehabilitation will be prepared to enter the field as researchers, practitioners, and/or administrators in a variety of settings, including universities, medical schools, hospitals and medical centers, clinics, private practice, and government agencies.

The SMI/Psychiatric rehabilitation emphasis area at IUPUI is completed in conjunction with the requirements of our APA-accredited clinical psychology program. The Department of Psychology is housed in the School of Science, and our training is based on the Clinical Science Model (i.e., emphasis on training students to conduct scientific research). Faculty members within the Department of Psychology and in other units across campus provide mentoring, instruction, and supervision. We provide core course work in our department, and additional related coursework is available through the Departments of Public Health, Sociology and the Schools of Medicine, Nursing, Social Work, and Law. The Department of Psychology provides financial support for Ph.D. students throughout their graduate education. We make the commitment to support students in good standing for five years.

SMI/Psychiatric Rehabilitation Setting at IUPUI

IUPUI is the designated health and life sciences campus for the state of Indiana, and it houses the state's graduate training in the health professions, such as the Schools of Medicine (Indiana's oldest medical school and the nation's largest student body), Nursing, Dentistry, Public Health, and Social Work. Numerous healthcare facilities are located on and near campus and provide copious research and clinical training opportunities for our students.

On-campus healthcare resources, many of which relate to SMI/Psychiatric rehabilitation, include:

Indiana Clinical and Translational Sciences Institute (CTSI; www.indianactsi.org): The Indiana CTSI is a statewide collaboration of Indiana University, Purdue University, and the University of Notre Dame, as well as public and private partnerships, which facilitates the translation of scientific discoveries in the laboratory into clinical trials and new patient treatments in Indiana and beyond. Established in 2008, the Indiana CTSI was created with a \$25 million Clinical and Translational Science Award from the National Center for Research Resources of the National Institutes of Health, supplemented by nearly \$60 million from the state, the three member universities, and public and private partnerships. The Indiana CTSI is a member of a national network of 55 CTSA-funded organizations across the United States.

Indiana University Hospital (<http://iuhealth.org>): IU Hospital is a major teaching hospital and recognized leader in technology. It offers treatments, therapies, and procedures that are found only in the most advanced academic medical centers. Several of IU Hospital's clinical programs are consistently ranked among the best in the nation by *U.S. News & World Report*.

Indiana University Melvin and Bren Simon Cancer Center (<http://www.cancer.iu.edu>): The IU Simon Cancer Center is a patient care, research, and educational organization within the Indiana University School of Medicine. Established in 1992 as the IU Cancer Center, it has been an NCI-designated Cancer Center since 1999 and is the only center with such distinction in Indiana that provides patient care.

Indiana University School of Medicine, Section of Adolescent Medicine (SOAM) (<http://pediatrics.iu.edu/sections-and-faculty/adolescent-medicine/about-us/>): The SOAM faculty has internationally recognized expertise in adolescent health behavior research, including a focus on problem behaviors such as violence, sexually transmitted infections, and drug use. As one of the largest and most active academically-oriented adolescent medicine sections of its kind in the country, the SOAM also provides clinical services to roughly 20,000 adolescents in outpatient and inpatient care within Marion County, Indiana. Additionally, the SOAM has provided care at the Marion County Detention Center since 2008.

Riley Hospital for Children at Indiana University (<https://www.rileychildrens.org>): Riley Hospital provides comprehensive, state-of-the-art clinical services for children and is routinely ranked as one of the nation's top children's hospitals by *U.S. News & World Report*. Riley Hospital trains clinicians who provide healthcare to children and conducts cutting-edge research to improve the diagnosis and treatment of serious disorders in children.

Eskenazi Health and Eskenazi Hospital (<http://www.eskenazihealth.edu>): Eskenazi Health is one of America's five largest safety net health systems, providing care to nearly 1 million outpatient visitors each year. It is also one of the leading providers of health care in Central Indiana, with physicians of the Indiana University School of Medicine providing a comprehensive range of primary and specialty care services within their 315-bed hospital and inpatient facilities and 11 community health centers located throughout Indianapolis. Approximately 90% of Eskenazi Health patients are underinsured or uninsured, and 50% are African American. Eskenazi Hospital, located on campus, has a Level I Trauma Center and nationally recognized services, including Midtown Community Mental Health Center, IU National Center of Excellence in Women's Health, and the Richard M. Fairbanks Burn Center.

Regenstrief Institute, Inc. (<http://www.regenstrief.org>): The Regenstrief Institute is an Indiana non-profit corporation formed in December 2001 to conduct and facilitate health care research, health care education, and clinical care. The Institute is affiliated with the Indiana University School of Medicine and Eskenazi Health. The Institute employs approximately 150 full-time staff and 35 investigators, who are faculty members of Indiana University. For almost 40 years, the Institute has supported numerous investigators in health services, aging, and medical informatics research. The research milieu within the Institute offers access to other faculty scientists with a wealth of interdisciplinary health services research expertise, including gerontology, medical sociology, social science, epidemiology, biostatistics, health economics, computer science, medical informatics, medical outcomes, and implementation research.

Richard L. Roudebush VA Medical Center (<http://www.indianapolis.va.gov>): Roudebush VAMC has been serving Veterans since 1932. At present, it offers primary and specialty healthcare services to almost 200,000 military veterans from a 45-county area in Indiana and Illinois. The medical center promotes medical affiliate training, education, and research and is aggressively using emerging technology in the tele-home care and tele-disease management arenas.

In addition to the on-campus resources that host training and research opportunities in clinical health and SMI/Psychiatric rehabilitation emphasis areas, faculty and students collaborate with a large network of community mental health centers in the area.

SMI/Psychiatric Rehabilitation Curriculum

Students in the SMI/Psychiatric rehabilitation emphasis area complete the requirements for IUPUI's general clinical program. In addition, they complete the two core courses in SMI/Psychiatric rehabilitation, elective courses, and two SMI/Psychiatric rehabilitation practica.

Core Courses

PSY-I 613 Psychiatric Rehabilitation

This course focuses on the nature of severe mental illness (SMI) and the mental health services used to help individuals with these disorders to achieve the best outcomes possible. Consistent with a clinical science perspective, the course focuses primarily on evidence-based practices, but also examines factors shaping how services are provided, including the history, policy and politics, financing, role of advocacy groups, the role of the pharmaceutical industry, and cultural factors. A repeated theme will be to ask how to implement humane, practical, feasible, culturally competent, cost-effective, and replicable services. The course examines multiple perspectives drawn from lectures, readings, videotapes, invited speakers, and seminar discussions.

PSY-590 Schizophrenia

This course surveys literature on the one of the most disabling of chronic diseases: schizophrenia. The course begins with an examination of historical conceptions of this illness and then will explore current research on its etiology, phenomenology, course and treatment. Materials are drawn from wide ranging interdisciplinary backgrounds. This course is pertinent for persons interested in a broad knowledge base in the foundations and treatments for severe mental illness, those conducting or interested in conducting research with persons with schizophrenia and those interested in delivering or designing clinical and rehabilitation services to persons suffering from this illness.

Elective Courses*

PSY-I 535 Clinical Neuroscience

The emphasis of this course is the neurobiological foundations of mental health and mental illness. A primary goal is to examine how psychology, neuroscience, pharmacology, and medicine come together to manage mental illness. The nature of how biological alterations lead to aberrant behaviors that define psychopathology is examined, as well as the ethics involved in the field.

PSY-I 545 Psychopharmacology

A survey of the effects of drugs on behavior, cognitive functioning, and emotions. Emphasis is placed on the practical advantages of understanding how psychotropic drugs work, and on how the brain functions in health and disease. Students are exposed to the most current theories and research in the field.

PSY 61500 Introduction to Psychobiology

A survey of the integrated neurosciences emphasizing physiological psychology. Neural processes of sensory and motor function, arousal and sleep, motivation, learning and memory, language function, and personality disorders are presented with selected

coverage of neuroanatomy, neurophysiology, neuropharmacology, and neuroendocrinology. Both normal and pathological functions are covered.

*Students in the SMI/Psychiatric rehabilitation emphasis area sometimes take courses outside of the Department of Psychology, such as those offered by the Schools of Medicine, Nursing, and Public Health.

SMI/Psychiatric Rehabilitation Practica Sites

Students receive supervision by licensed clinical psychologists at our practica sites. Below is a list of our current sites relevant to SMI/Psychiatric rehabilitation. Of note, new placements are developed regularly.

- Easter Seals Crossroads
- Eskenazi Health - Midtown Community Mental Health Center
- Eskenazi Health - Prevention and Recovery Center for Early Psychosis
- Eskenazi Health - Midtown Westside Clinic
- Indiana University Medical Center - Christian Sarkine Autism Treatment Center
- Roudebush VA Medical Center – Psychosocial Rehabilitation and Recovery Center (PRRC)
- Roudebush VA Medical Center – Substance Use Disorders Program

SMI/Psychiatric Rehabilitation Research Fellowships

Our students have received funding for (a) individual predoctoral fellowships (F31) from NIH (grants.nih.gov/grants/guide/pa-files/PA-16-309.html) and (b) mental health-related predoctoral fellowships available on campus, including the Indiana CTSI (www.indianactsi.org/funding/predoc).

Active Funded Research Projects in SMI/Psychiatric Rehabilitation

Addressing provider burnout and strengthening social networks

6/1/16-5/3/17

IU Networks, Complex Systems & Health (NCS&H) Project Development Team, ICTSI NIH/NCRR Grant Number UL1TR001108

Dr. Salyers is leading a pilot study to assess how social networks change in the context of providing BREATHE and Appreciative Inquiry as methods to reduce professional burnout. In addition, the study will examine the role of social networks in reducing burnout and turnover intentions and increasing organizational commitment and perceived quality of care.

Faculty Involvement: Salyers (PI), Rollins

Burnout Reduction for MH Providers to Improve QOC and Reduce Staff Turnover

8/14/2014 – 07/31/2017

NIH/ National Institute of Mental Health

Dr. Salyers is leading an R34 to develop an organizational approach to reducing staff burnout that complements an existing individual-level intervention. This study is evaluating the feasibility and preliminary outcomes of this combined approach to reducing staff burnout and maintaining an effective behavioral health care workforce.

Faculty Involvement: Salyers (PI), Rollins

Building a research partnership for mental health implementation in Kenya

1/1/16-12/31/16

Indiana University International Development Fund grant

Dr. Rollins was awarded support for travel to Kenya and other work to prepare an external grant application studying the implementation of evidence-based practice in Kenya's mental health service context. The team is submitting an R21 to NIMH to study implementation strategies for an illness management approach in Kenya.

Faculty Involvement: Rollins (PI), Salyers

Cognitive Behavioral Therapy to Enhance Competitive Work Outcomes

10/1/2013 – 09/30/2018

VA Rehabilitation Research & Development, Career Development Award-2

Dr. Kukla received this Career Development Award to design and pilot a cognitive behavioral therapy program to complement existing VA vocational service and improve competitive employment outcomes in veterans with mental illness.

Faculty Involvement: Kukla (PI); Salyers, Rollins, McGuire, Lysaker

Developing an Objective Real-World Functional Assessment in Serious Mental Illness

11/1/2015 – 10/31/2017

IU Networks, Community and Urban Health Project Development Team, ICTSI NIH/NCRR Grant Number UL1TR001108

Dr. Minor is leading a study to evaluate the feasibility / utility of using an objective real-world monitoring tool to measure social functioning and Formal Thought Disorder in Serious Mental Illness.

Faculty Involvement: Minor (PI), Lysaker

Illness Management and Recovery Treatment Integrity Scale Validation and Leadership Intervention Development (IT-IS VALID)

9/1/14-8/31/16

NIH/National Institute of Mental Health

Dr. McGuire is leading a two-part developmental/implementation award. The R33 phase is to test a clinical level measure of fidelity to the Illness Management and Recovery program in the context of a supervision intervention.

Faculty Involvement: McGuire (PI); McGrew, Salyers, Rollins

The Impact of Burnout on Patient-Centered Care: A Comparative Effectiveness Trial in Mental Health.

12/1/2013-4/30/2017

Patient-Centered Outcomes Research Institute (PCORI)

Dr. Salyers is leading a comparative effectiveness study to test the impact of a burnout prevention program on patient-centered outcomes in two community mental health centers.

Faculty Involvement: Salyers (PI), Rollins

Implementing Wearable Technologies as Novel Therapeutic Tools for Serious Mental Illness

7/1/2016 – 6/30/2018

CTSI Young Investigator in Clinical-Translational Research Award, KL2 Program Grants KL2TR001106 and UL1TR001108

Dr. Minor is leading a treatment study to evaluate the feasibility and utility of enhancing evidence-based treatment with wearable technology. This study aims to provide therapists with innovative tools for focusing on concrete, real-world social interactions in therapy sessions.

Faculty Involvement: Minor (PI), Breier, Lysaker

Core Clinical Psychiatric Rehabilitation Faculty

John H. McGrew, Professor, Ph.D., 1991, Indiana University. Interests: health psychology, psychiatric rehabilitation, autism.

Kyle S. Minor, Assistant Professor, Ph.D., 2012, Louisiana State University. Interests: schizophrenia, schizotypy, early psychosis, disorganized speech, neurocognition, stress, affect.

Michelle P. Salyers, Professor and Director, Clinical Psychology Program, Ph.D., 1998, Indiana University-Purdue University Indianapolis (IUPUI). Interests: psychiatric rehabilitation, severe mental illness, recovery, staff burnout, implementation of evidence-based practices.

Core Clinical Health Psychology Faculty

Melissa A. Cyders, Associate Professor, Ph.D., 2009, University of Kentucky. Interests: impulsivity, fMRI, alcohol use, emotions, risk-taking, addictive behaviors.

John C. Guare, Clinical Associate Professor and Assistant Director of Clinical Training, Ph.D., 1991, University of Pittsburgh. Interests: health psychology, diabetes, obesity.

Adam T. Hirsh, Associate Professor, Ph.D., 2008, University of Florida. Interests: biopsychosocial aspects of pain.

Catherine E. Mosher, Associate Professor, Ph.D., 2007, University at Albany, State University of New York. Interests: behavioral oncology.

Kevin L. Rand, Associate Professor, Ph.D., 2006, University of Kansas. Interests: psychosocial aspects of cancer, end-of-life issues, hope, optimism, stress and coping.

Jesse C. Stewart, Associate Professor, Ph.D., 2003, Ohio University. Interests: cardiovascular disease, diabetes, obesity, inflammation, autonomic function, depressive/anxiety disorders, insomnia, eHealth/ internet interventions, cognitive-behavioral therapy.

Tamika Zapolski, Assistant Professor, Ph.D., 2013, University of Kentucky. Interests: substance use among African Americans, sociocultural risk, stress, emotion-based risk and protective processes.

Other Contributing Faculty

- Angela Rollins, Ph.D., Associate Research Professor Psychology, School of Science, IUPUI; Roudebush VA HSR&D CHIC)
- Alan McGuire, Ph.D., Associate Research Professor Psychology, School of Science, IUPUI; Roudebush VA HSR&D CHIC)
- Marina Kukla, Ph.D., Adjunct Assistant Professor, Psychology, School of Science, IUPUI; Roudebush VA HSR&D CHIC
- Johanne Eliacin, Ph.D., Assistant Research Professor, Psychology, School of Science, IUPUI; VA HSR&D, Regenstrief
- Matt Aalsma, Ph.D., Professor of Medicine, IU School of Medicine (IUSM)
- Alan Breier, M.D., Professor of Psychiatry, IUSM, Director, IU Psychotic Disorders Program

- Richard M. Frankel, Ph.D., Professor of Medicine, IUSM, Regenstrief, Roudebush VA Health Services Research & Development Center for Health Information and Communication (HSR&D CHIC)
- Hea-won Kim, Ph.D., Associate Professor of Social Work, IUPUI
- Paul Lysaker, Ph.D., Professor of Psychiatry, IUSM, Roudebush VA
- Marianne Matthias, Ph.D., Associate Professor of Communication Studies, IUPUI, Regenstrief, Roudebush VA HSR&D CHIC)
- Juliet King, MA, Assistant Professor, Director of Art Therapy, Herron School of Art and Design
- David Kondrat, Ph.D., Assistant Professor, Social Work
- Ukamaka Oruche, Ph.D., Assistant Professor, Nursing
- Nick Rattray, PhD, Adjunct Assistant Professor, Anthropology, Roudebush VA
- Brad Ray, PhD, Assistant Professor, SPEA
- Vincent Starnino, PhD, Assistant Professor, Social Work
- Laura Stull, PhD, Assistant Professor, Psychology, Anderson University
- Jenifer Vohs, PhD, Assistant Professor, IUSM, Roudebush VA
- Dennis Watson, Ph.D., Assistant Professor, Public Health