

Joel Epstein, PhD

7155 Wise Avenue
Saint Louis, MO 63117

joel.epstein@mimh.edu
(314) 322-0698

EDUCATION

Missouri Institute of Mental Health, Saint Louis, MO	Post-Doc	08/1993	Computer Applications in Mental Health
University of South Carolina, Columbia, SC	Ph.D.	08/1992	Clinical/Community Psychology
University of Kansas, Lawrence, KS	B.A.	05/1987	Psychology

PROFESSIONAL EXPERIENCE

Research Associate Professor	2003 to present
Research Assistant Professor	1993 to 2003
Missouri Institute of Mental Health	

LICENSURE

Missouri Psychologist #1616

HONORS

2009 NIDA application selected for inclusion in University of Missouri's "Model Proposal" portfolio
1996 Top 100 Multimedia Producers, AV Video - Multimedia Producer Magazine
1994 Outstanding Scientist Award from Missouri Alliance for Mentally Ill

FEDERAL SERVICE

Ad-hoc member of several National Institute of Health study sections; responsible for reviewing federal grant applications.

PUBLICATIONS

ORIGINAL MANUSCRIPTS

- Epstein, J., Noel, J., Finnegan, M., & Watkins, K. (in press). Bacon Brains: Video Games for Teaching the Science of Addiction. *Journal of Child and Adolescent Substance Abuse*.
- Epstein, J., & Bequette, A. (2013). Using Smart Phones in Clinical Practice, *Journal of Mental Health Counseling, 35(4)*, 283-295.
- Klisch, Y., Miller, L., Wang, S., & Epstein, J. (2011). The Impact of a Science Education Game on Students' Learning and Perception of Inhalants as Body Pollution, *Journal of Science Education and Technology, 22(2)*, 295-303.
- Epstein, J., Thomson, N., Collins, K., & Pancella, T. (2009). A Longitudinal Comparison of Two Versions of an Interactive Multimedia Substance Abuse Education Program, *Journal of Child and Adolescent Substance Abuse, 18(3)*, 302-321.
- Epstein, J., Collins, K., Thomson, N., Pancella, T., & Pauley, D. (2007). The Doubles: Evaluation of a Substance Abuse Education Curriculum for Elementary School Students, *Journal of Child and Adolescent Substance Abuse, 16(4)*, 1-22.
- Epstein, J., Collins, K., Bailey-Burch, B., Walker-Thoth, D., & Pancella, T. (2007). Space Scouts: A Collaboration Between University Researchers and African American Churches, *Journal of Ethnicity in Substance Abuse, 6(1)*, 31-43.
- Epstein, J., Klinkenberg, W. D., Scandell, D., Faulkner, K., & Claus, R. (2007). Perceived Physical Attractiveness, Sexual History, and Sexual Intentions: An Internet Study, *Sex Roles, 56(1-2)*, 23-31.
- Epstein, J., Collins, K., & Pancella, T. (2004). The Doubles: A Case Study on Developing a Technology-Based Substance Abuse Education Curriculum. *Evaluation Review, 28(6)*, 539-563.
- Rotunda, R., West, L., & Epstein, J. (2003). Alcohol, Tobacco, and Other Drugs: College Student Satisfaction with an Interactive Educational Software Program. *Teaching in the Addictions, 2(2)*, 59-66.
- Noel, J. & Epstein, J. (2003). Social Support and Health among Senior Internet Users: Results of an Online Survey. *Technology in Human Services, 21(3)*, 35-54.
- Epstein, J., & Klinkenberg, W.D. (2002). Collecting Data via the Internet: The Development and Deployment of a Web-based Survey. *Technology in Human Services 19(2/3)*, 33-47.
- Epstein, J., Klinkenberg, W.D., Wiley, D., & McKinley, L. (2001). Insuring sample equivalence across Internet and paper-and-pencil assessments. *Computers in Human Behavior, 17*, 339-346.
- Epstein, J., & Klinkenberg, W.D. (2001). From Eliza to Internet: A Brief History of Computerized Assessment. *Computers in Human Behavior, 17*, 295-314.
- Epstein, J., & Rotunda, R. (2000). The Utility of Computer Versus Clinician-Authored Assessments in Aiding the Prediction of Patient Symptomatology. *Computers in Human Behavior, 16*, 519-536.
- Epstein, J., Evans, C., & Gardham, B. (2000). PIE On-Line: Evolution of an Internet-Based Resource for Mental Health Policy Information. *Behavior and Social Sciences Librarian, 18(2)*, 1-16.
- Epstein, J., & McGaha, A. (2000). ATOD-TV: A Case Study on Developing Interactive Multimedia. *Technology in Human Services 16(1)*, 17-31.

Epstein, J., & McGaha, A. (1999). Evaluation of an Interactive Multimedia Program to Educate the General Public about Substance Abuse. *Computers in Human Behavior*, 15, 73-83.

Epstein, J., Sage, L. & Wedding, D. (1995). A Multimedia Program to Educate the Public About Mental and Addictive Disorders. *Behavior Research Methods, Instruments, & Computers*, 27(2), 289-292.

BOOKS

Epstein, J. & Epstein, P. (2006). *Family Writes*, Sterling, VA: Capital Books.

BOOK REVIEWS

Epstein, J. (2004). The Campaign Is On. *PsycCRITIQUES*, December 7, 2004 (49), Supplement 11.

RESEARCH SUPPORT

Internal Award Steffen (PI) 07/2013 to 06/2015
Medication Assistance by Intergenerational Caregivers of Older Adults: Online Health Education Approaches

UMSL Express Scripts Research Program \$250,000

This project is designed to examine the difference between providing didactic vs. narrative intervention materials to adults who are caring for their elderly family members. Using a combination of text and video, the website provides both information resources and videos designed to bolster caregiver self-efficacy.

Role: Co-Investigator

R25 DA0 22306 Epstein (PI) 03/2009 to 02/2015
Gender Differences In Response To Interactive Substance Abuse Education Programs

National Institute on Drug Abuse \$1,044,089

This project examined the utility of a series of interactive web-based video games that delivered a comprehensive "science of addiction" curriculum for middle school students. An additional goal of the project was to examine gender differences in response to socially collaborative vs. socially competitive versions of the games. Results indicated that the intervention was successful in teaching the curriculum and that boys learned more while participating in the competitive condition; girls learned in either condition.

Role: PI

R25 DA0 16578 Epstein (PI) 07/2003 to 08/2007
Comparison of Two Multimedia Science of Addiction Courses

National Institute on Drug Abuse \$1,053,000

The overall goal of this project was to create a single substance abuse education curriculum and then modify it for use via either CD-ROMs in a didactic format or DVDs in a narrative format. We collaborated with a dozen African-American churches and randomly assigned young congregants to view one of the programs or serve as delayed-treatment controls. Evaluation of the programs determined that the programs were effective in teaching students about the biology of addiction.

Role: PI

R25 DA 12851 Epstein (PI) 03/2001 to 09/2005

Analysis Of Differing Drug Abuse Education Technologies

National Institute on Drug Abuse

\$887,605

This grant resulted in the creation of a seven-episode series of media tools designed to teach third- and fourth-grade students about the science of drug addiction. The program's curriculum was delivered via either a set of DVDs, interactive CD-ROMs, workbooks, or a web site.

Evaluation of the program's effectiveness indicated that the interventions were successful in teaching students about the biological bases of substance abuse.

Role: PI

Internal Award Epstein (PI) 07/1996 to 06/1998

A Multimedia Neuropsychology Course

Institute of Instructional Development, UMC

\$124,473

This award funded the development of a 6-CD set of interactive multimedia programs designed to teach introductory psychology students about the brain and brain trauma. Using a film-noir approach, with the inclusion of over 100 facts about the brain, as well as analogues of standard neuropsychological tests, the programs offered a unique alternative to standard classroom instruction.

Role: PI

R25 DA0 09309 Wedding (PI) 09/1994 to 06/1996

Changing Community Attitudes About Drug Abuse Research

National Institute on Drug Abuse

\$167,773

This award funded the development and evaluation of an interactive multimedia title about substance abuse. Outcome evaluations with both the general public and high-school students indicated that after interacting with the program, viewers held more positive attitudes toward substance abuse treatment. The granting agency (NIDA) purchased over 20,000 copies of the program and distributed it to every public middle school in the United States.

Role: Co-Investigator

R25 MH 050503 Wedding (PI) 10/1992 to 09/1994

Mental Health Institute/Science Center Partnership

National Institute of Mental Health

\$140,823

This award funded the development and evaluation of an interactive multimedia exhibit at the Saint Louis Science Center. The goal of the program was to educate the general public about the biological bases of mental illness. A systematic evaluation demonstrated that visitors who viewed the program were significantly less biased toward persons with mental illness than those who did not interact with the program.

Role: Co-Investigator

PRESENTATIONS

- Epstein, J. (2015). Bacon Brains: Using Video Games to Teach Students about the Science of Addiction, MIMH Speaker Series, 03/12/2015.
- Epstein, J. (2012). Using Smartphones in Clinical Practice, Missouri Department of Mental Health's Spring Training Institute, Osage Beach, MO. 5/31/12.
- Epstein, J. (2012). Lessons learned from themes in 'One Flew Over the Cuckoo's Nest.' Missouri Institute of Mental Health's Anniversary Film Series, Saint Louis, MO, 10/15/12.
- Epstein, J. (2011). Best Practices in Community Collaborations: Exploring What Works (and What Doesn't), Leadership, in Interdisciplinarity, Networking, and Collaboration, Saint Louis, MO. 2/24/11
- Epstein, J., & Rotunda, R. (2007). Evaluation of an interactive substance abuse education program. South Eastern Psychological Association Annual Convention, New Orleans, LA, 2/23/07.
- Epstein, J., & Rotunda, R. (2007). Differing perceptions of school violence among students, parents, and staff. South Eastern Psychological Association Annual Convention, New Orleans, LA, 2/23/07.
- Epstein, J. (2007). The development and evaluation of a substance abuse education program for African American Church-going Youth, Missouri Faith Community Substance Abuse Resources Network Quarterly Meeting, Columbia, MO, 4/27/07
- Epstein, J. (2007). Evaluation of an Interactive Substance Abuse Education Program for Church-going African American Youth, MIMH Speaker Series, Saint Louis, MO.
- Epstein, J. & Epstein, P. (2006). Co-lead several interactive family workshops based upon the content of my book, Family Writes at public libraries, elementary schools, and community centers.
- Epstein, J. (2006). What's Happening in Faith-based Prevention / recovery support for adolescents, Missouri Department of Mental Health's Spring Training Institute, Osage Beach, MO.
- Epstein, J. (2006). The Gap Between Knowledge and Use: Evaluation of a Program Designed to Teach Kids About the Biology of Addiction, University of West Florida Psychology Department Colloquium, Pensacola, FL, 12/1/06
- Epstein, J. (2006). Increasing Scientific Literacy via Substance Abuse Education: A Decade of Multimedia Interventions, University of West Florida Research Seminar, 11/30/06
- Epstein, J. (2006). Development and Evaluation of an Interactive Multimedia Substance Abuse Education Program, International Conference on Educational Media, Orlando, FL
- Epstein, J. (2005) Evaluation of a Substance Abuse Education Program For Elementary School Students, MIMH Speaker Series, Saint Louis, MO. 3/24/05
- Epstein, J. (2004) Creating A "Science of Addiction" Program for church-going African-American youth. Committed Caring Faith Communities' 7th Regional Conference, Saint Louis, MO, 06/07/04
- Epstein, J. (11/10/94). Using Multimedia to Influence Public Attitudes, Society for Computers in Psychology Annual Meeting, Saint Louis, MO.
- Epstein, J., & Klinkenberg, W.D. (2/24/00). Putting it Together: Psychological Research on the Internet. Seminar Series. MIMH. Saint Louis, MO.

- Epstein, J. (10/99). Multimedia as an Instructional Tool. Association of Mental Health Librarians Annual Conference, St. Louis, MO.
- Epstein, J. (9/96). Substance Abuse Education through Multimedia, National Institute on Drug Abuse Town Meeting, St. Louis, MO.
- Epstein, J. (9/96). ATOD-TV: Educating the General Public About Substance Abuse, Missouri Department of Mental Health, Substance Abuse Provider's Conference, Lake Ozark, MO.
- Epstein, J. (8/94). Development and Evaluation of a Multimedia Program to Educate the General Public about Mental Illness, American Psychological Association Annual Convention, Los Angeles, CA.
- Epstein, J. (4/94). Using Multimedia as an Educational Tool, Grand Rounds, University of Missouri School of Medicine, Columbia, MO.
- Epstein, J. & Wedding, D. (4/18/94). Public Science Literacy: Impossible Dream or Practical Goal, Co-presented with Danny Wedding, Missouri Psychological Association Annual Meeting, St. Louis, MO.
- Epstein, J. (10/13/90). Providing Consultation Services to Meet the Needs of Administration, Staff, and Clients: A Computerized Client Tracking System for Mental Health Agencies Eco-Community Conference, Virginia Commonwealth University, October 12-14, 1990.
- Epstein, J. (1/7/94; 3/21/94; 3/22/94). Mental Health Education and Science Literacy using Multimedia Technology., MIMH Visiting Speaker Series: Missouri State Hospital, St. Joseph State Hospital, Western Missouri Mental Health Center, Kansas City, MO.
- Epstein, J. (1/4/94). Changes in Institutionalized Psychiatric Care: Insights from the "Snake Pit", Missouri Institute of Mental Health Film Series, St. Louis, MO.

SOFTWARE DEVELOPMENT

Smartphone applications for iOS and Android

- As an independent developer of smartphone apps, I have created nearly two dozen titles ranging from games to clinical utilities. Highlights include numerous word and logic puzzles, educational titles, as well as an app designed to help parents who have children suffering from pain of a non-physiological nature.

Commissioned by Bridgeway Behavioral Health

- *Bridges to Sobriety* - A smartphone app for both the iOS and Android platforms that is designed to accompany an adolescent substance abuse treatment program. Using a sophisticated mix of evidence based treatment modules and interactive gaming modules, the app promotes engagement in therapy and supports the recovery process.

For Missouri Institute of Mental Health

- *SpaceScouts* – A series of DVDs and workbooks designed to teach pre-teens about the biology of addiction; funded by NIDA
- *LockerTalk* – A series of CD-ROMs and Workbooks designed to teach pre-teens about the biology of addiction; funded by NIDA
- *The Doubles* – A series of DVDs, CD-ROMs, Workbooks, and an Internet site designed to teach elementary school students about the biology of addiction; funded by NIDA

- *Cracking the Skull* - An interactive detective drama designed to teach undergraduate psychology students about the brain and brain trauma; funded by the University of Missouri's Institute for Instructional Development.
- *ATOD-TV* - An interactive multimedia kiosk placed in five locations throughout St. Louis designed to teach the general public about the risk factors for, consequences of, and treatments for substance abuse. Distributed to all middle schools in the US by the National Institute on Drug Abuse.
- *Cognitive Emotional Screen* - An automated mental status examination
- *Mental Health Studios* - An interactive multimedia exhibit at the St. Louis Science Center designed to educate the public about mental and addictive disorders.
- *Mental Illness Questionnaire* - An automated assessment instrument for the Missouri DMH designed evaluate behavioral-healthcare staff knowledge of basic psychopathology.

Commissioned by The Psychological Corporation

- *The California Verbal Learning Test* - Macintosh version of the standard neuropsychological test.

Published by William C. Brown Publishers (Formerly Duke University Press)

- *The Metaphor Machine: A Free Verse Primer and Basic Writing Aid* - Teaches students to write poetry via examples, computer-generated poems, and step-by-step instructions. (First appeared in the Spring/Summer 1990 Catalog.)
- *The Stroop Effect: An Experiment in Cognitive Psychology* - Two brief experiments which demonstrate the Stroop effect. (First appeared in the Spring/Summer 1988 Catalog.)

Published by Intellimation Library for the Macintosh

- *Questionnaire Developer* - Utility which allows researchers to administer questionnaires via computer. (First appeared in the Spring 1992 catalog)
- *Classical Communication* - A game-like educational program to teach Roman Numerals and the Greek Alphabet. (First appeared in the Spring 1992 catalog)
- *Brain Games* - A game-like educational program which introduces basic concepts of neuropsychology and provides examples of how some standard neuropsychological tests measure brain functioning. (First appeared in the Spring 1992 catalog)
- *Introduction to Origami* - An animated tutorial to teach children how to make two origami figures. (First appeared in the Spring 1991 catalog)

Published by Chariot Software Group

- *The Meaning Of...* - A tutorial and game designed to help students learn the content area of user-supplied subject areas. (First appeared in the Spring 1992 catalog)

Independently Commissioned Works

- *Trial Simulator* - Software developed to aid faculty in collecting research data. Program presents a trial transcript to the subject and collects data for later analysis. Allows researcher to manipulate burden of proof and race and gender of the defendant and victim.
- *Lifestyle Questionnaire* - Automated a questionnaire regarding stress management.

Published by Uptime for the Commodore

- *Wally's Neighborhood* - Package of three logic games.(1988 Volume 1, Number 11)

Published by SoftDisk Inc.: Loadstar for the Commodore

- *Hide 'N Seek* - Logic game like Black Box. (Volume 50, June 1988)
- *Marienbad* - Logic game like Nim played against computer. (Volume 48, April 1988)
- *Match Me* - Card game like Uno played against computer. (Volume 46, February 1988)
- *Tinted Tiles* - Logic game. (Volume 38, July 1987)

INTERNET PROGRAMMING

- Introduction to DSM-IV Web Site - Designed to give front-line staff an overview of the DSM-IV, this web site contains a sophisticated mix of interactive technologies including streaming video, synchronized text tracks, and an automated self-assessment module.
- Policy Information Exchange Web Site - The Policy Information Exchange (PIE-online) system is designed for professionals in need of primary source mental health policy documents.
- About Sex – An Internet-based survey to assess factors which influence sexual behavior choices for gay men and lesbian women.
- Let Me Tell You - An Internet-based survey that encouraged students, teachers, and school officials to share their beliefs about the causes and consequences of school violence.
- Senior's Internet Usage - An Internet-based survey designed for senior citizens that queries them about their physical and mental health, their social support networks, and their use of the Internet.
- Treatment Approaches for Aggressive Adolescents - In collaboration with a student intern, I developed an interactive on-line course designed for treatment providers working with aggressive adolescents. The site employs an audio-on-demand feature.
- Introduction to ADHD - In collaboration with a local psychiatrist, I developed an on-line course designed to educate general practice physicians about diagnosing and treating Attention-Deficit Hyperactivity Disorder.
- Psychotropics Made Simple - In collaboration with a local psychologist, I developed an on-line course designed to educate general practice health-care providers about the basic issues of using psychotropic medications including indications, subclassifications, and side-effects.

EDITORIAL ACTIVITY

Guest reviewer, *South African Journal of Education*, 2015

Guest reviewer, *Journal of Applied Statistics*, 2006

TEACHING EXPERIENCE

- Summers '95 & '96 *Adjunct Faculty*
 Webster University
 Master's in Interactive Media: Multimedia Programming
 Taught a course on multimedia programming for Master's level students. Responsibilities included preparing lectures and course materials, leading discussions, and facilitating hands-on learning exercises.
- Fall '89 & Winter '90 *Teaching Assistant*
 University of South Carolina
 Clinical-Community Psychology Graduate Program: Psychological Assessment
 Served as teaching assistant for first year graduate students in the program's assessment practica. Responsibilities included preparing lecture materials and leading discussions on various psychological measures (e.g. Stanford-Binet, WISC-R, Rorschach, and MMPI-II), critiquing and grading psychological testing reports, and supervising students in testing and interviewing skills.

STUDENT ADVISING

- 08/01 to 07/04 *Psychology Intern*
 Served as a supervisor for a doctoral-level psychology interns on an out-patient rotation whose responsibilities were to create a service-based web site, an Internet-based continuing education course, and an on-line survey.
- 08/95 to 5/96 *Media Intern*
 Served as a supervisor for a masters-level intern on her out-placement for her video-production degree. Her responsibilities were to plan, shoot, and edit a video with a mental-health theme.

CLINICAL EXPERIENCE

- 10/92 to 10/93 *Post-Doctoral Fellow*
Missouri State Hospital, St. Louis, MO
 Completed pre-licensure supervised training with responsibilities of conducting group and individual therapy with clients from two of State Hospital's forensic units.
- 8/91 to 8/92 *Pre-Doctoral Internship*
Veterans Affairs Medical Center, Houston, TX
 Completed a 1900 hour internship experience with rotations in the following areas: Psychiatric Geriatric Unit, Neuropsychology Service,

Family Therapy Services, Mental Health Clinic, Psychiatric Evaluation and Crisis Clinic, and Mental Health and Mental Retardation Authority. Throughout these rotations, conducted individual, group, and family therapy with a wide variety of client populations. Additionally, performed psychological assessments using objective, projective, intellectual, and neuropsychological methods.

8/90 to 5/91

Mental Health Professional

Gilliam Psychiatric Hospital, Department of Corrections, Columbia, SC
Served as case-manager for adult male psychiatric inpatient inmates in a maximum security prison/hospital. Responsible for maintaining treatment plans, documenting client progress, and attending weekly treatment team meetings. Client contact included conducting intake evaluations, providing individual and group therapy, and administering comprehensive psychological test batteries. Additional duties included consulting with other disciplines and agencies regarding client status and writing intake and discharge summaries.

8/87 to 5/91

Mental Health Professional

Mid-Carolina Community Support Network, Columbia, SC
Provided individual living skills training to chronically mentally ill clients in their place of residence. Responsibilities included attending treatment team meetings and assisting clients with their daily living skills. Other types of client contact included individual therapy and crisis management.

8/87 to 5/91

Psychological Intern

Psychological Services Center, University of South Carolina, Columbia, SC
Responsible for providing psychological services to children, adolescents, adults, couples, and families presenting with a wide range of problems including trauma reactions, marital conflicts, affective disorders, and anxiety disorders. Also included co-therapy for women's groups, and families.