



RESEARCH AND DEVELOPMENT PROGRAM

INVESTIGATOR'S BIOGRAPHICAL SKETCH
(Not to Exceed Four Pages)

NAME KNAPP, Rebecca Grant (Ph.D.)	POSITION TITLE Research Health Scientist (VAMC); and Professor, Dept of Biometry and Epidemiology (MUSC)
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EDUCATION / TRAINING
(Begin with Baccalaureate or other initial professional education, such as nursing, and include post-doctoral training. Do not include Honorary Degree.)

NAME, LOCATION OF INSTITUTION	DEGREE (if applicable)	YEAR AWARDED	FIELD OF STUDY
University of Georgia, Athens, GA	B.S.	1970	Mathematics
University of Georgia, Athens, GA	M.S.	1972	Statistics
Medical University of S.C., Charleston, SC	Ph.D.	1983	Biometry
Postdoctoral Training:			
University of Virginia, Charlottesville, VA	Sabbatical	1990	Epidemiology

NOTE: The Biographical Sketch may not exceed four pages. Items A and B (together) may not exceed two of the four-pages.

A. Positions and Honors -- Positions and Employment:

- 1972-1984 Instructor, Department of Biometry, Medical University of South Carolina (MUSC), Charleston, SC
- 1984-1987 Assistant Professor, Department of Biometry, Medical University of South Carolina, Charleston, SC
- 1987-1993 Associate Professor, Department of Biometry & Epidemiology, MUSC, Charleston, SC
- 1999-2003 Senior Scientist, The Clinical Innovation Group, MUSC, Foundation for Res Dev, Charleston, SC
- 2005-2007 Co-Investigator (IPA), Research Service, Ralph H. Johnson VA Medical Center, Charleston, SC
- 1993-Present Professor, Department of Biometry and Epidemiology, MUSC, Charleston, SC
- 2007-Present Research Health Scientist, Ralph H. Johnson VA Medical Center, Charleston, SC

Other Experience and Professional Memberships:

Member, American Statistical Association; Member, Society for Clinical Trials; Member, The Biometric Society

Honors (Since 1990): Recipient, Governor's Distinguished Professor Certificate, 1992; MUSC Nominee for Governor's Professor of the Year Award, 1992; Teacher of the Year Award, College of Pharmacy, Doctor of Pharmacy Program, 1994; YWCA of Greater Charleston, Tribute to Women and Industry (TWIN) Award, 1995; Nominee for Health Sciences Foundation Teaching Excellence Award, 2001

B. Selected peer-reviewed publications (in chronological order) (Selected from 80 full length publications).

1. **Knapp R**, Gross A, Cantor A. Estimators of ratio of means paired survival data. *Com in Stat* 15:85-100, 1986.
2. **Knapp R**, Sutherland S, Keil J, Rust P, Lackland D. A comparison of the effects of cholesterol on CHD mortality in Black & White women. 28 years of follow-up in the Charleston Heart Study. *J Clin Epidem* 45:1119-29,1992.
3. Keil JE, Sutherland SE, **Knapp RG**, Tyroler HA. Black-white patterns and predictors of coronary disease mortality: The Charleston Heart Study. *New England Journal of Medicine* 329:73-78, 1993.
4. **Knapp RG**, Keil JE, Sutherland SE, Gilbert G, Klein R, Schreiner P. Serum lipoprotein (a) levels in elderly black and white men in the Charleston Heart Study. *Clinical Genetics* 44:225-232, 1993.
5. Brawman-Mintzer O, Lydiard B, Crawford M, Emmanuel N, Payseur R, Johnson M, **Knapp RG**, Ballenger J. Somatic symptoms in GAD with and without comorbid psychiatric disorders. *Amer J of Psy* 151:930-32, 1994.
6. **Knapp RG**, Keil JE, Sutherland SE, Rust PF, Tyroler HA. Skin color and cancer mortality among black men in the Charleston Heart Study. *Clinical Genetics* 47:200-206, 1995.
7. Voit EO, and **Knapp RG**. Derivation of the linear-logistic model and Cox's proportional hazards model from a canonical system description. *Statistics in Medicine* 16:1705-1729, 1997.
8. Brawman-Mintzer O, Lydiard RB, Bradwejn J, Villarreal G, **Knapp RG**, Emmanuel N, Ware Qin He MR, Ballenger J. Effects of the cholecystokinin agonist pentagastrin in Pat with GAD. *Amer J of Psy* 154:5, 1997.
9. O'Connor K, **Knapp RG**, Husain M, and CORE group. The influence of age on the response of major depression to electroconvulsive therapy: A CORE report. *Amer. J. of Geriatric Psychiatr* 9:4; 382-390, 2001.
10. Petrides G, Fink M, Husain M, **Knapp R**, Rush AJ, Mueller M, and CORE: ECT remission rates in psychotic vs non-psychotic depressed patients: A report from CORE. *The Journal of ECT* 17(4):244-253, 2001.
11. Monnier J, **Knapp R**, & Frueh BC. Recent adv. in telepsychiatry: An updated rev. *Psy Ser*, 54:1604-09, 2003.
12. Frueh BC, Elhai JD, Monnier J, Hamner MB, **Knapp RG**. Symptom patterns and service use among African American and Caucasian veterans with combat-related PTSD. *Psychological Services*, 1:22-30, 2004.
13. Magruder K, Frueh B, **Knapp R**, Johnson M, Vaughan J, Carson T, Powell D. PTSD symptoms, demographic characteristics, functional status among vets in VA primary care clinics. *JTraum Stress*,17:293-301, 2004.

14. Husain M, Rush AJ, Fink M, **Knapp R** and CORE Group. Speed of response & remission in major depressive disorder: A consortium for research in ECT (CORE) report. *J. Clinical Psychiatry*, 65(4):485-491, 2004.
15. Frueh BC, Monnier J, Elhai JD, Grubaugh A, **Knapp RG**. Telepsychiatry treatment outcome research methodology: Efficacy versus effectiveness. *Telemedicine Journal*, 10:22-30, 2004.
16. Mueller M, Wagner CL, Annibale DJ, Hulsey TC, **Knapp RG**, Almeida JS. Predicting extubation outcome in preterm Newborns: A comparison of neural networks w/clinical expertise & statistical modeling. *Ped Res*56(1):11-18, 2004.
17. Rasmussen K, Snyder K, **Knapp RG**, Mueller M, and the CORE group. Relationship between baseline somatization & remission w/ECT. *Psy Res*, 129(3):293-295, 2004.
18. Magruder K, Frueh BC, **Knapp RG**, Davis L, Hamner M, Martin R, Gold P, Arana G. Prevalence of posttraumatic stress disorder in VA primary care clinics. *General Hospital Psychiatry*, 27(3):169-179, 2005.
19. Grubaugh A, Magruder K, Aaldrop A, Elhai J, **Knapp R**, Frueh BC. Subthreshold PTSD in primary care: Prevalence, psychiatric disorders, healthcare use, and functional status. *J Nervous Mental Disease*, 193(10):658-64, 2005.
20. Monnier J, Grubaugh A, **Knapp RG**, Magruder K, **Frueh BC**. US female Veterans in VA Primary Care: PTSD symptoms and functional status. *Primary Care Psychiatry*, 9:145-150, 2005.
21. Kellner C, Fink M, **Knapp R**, Petrides G, and CORE. Relief of expressed suicidal intent by ECT: A consortium of research in ECT study. *American Journal of Psychiatry*, 162(5):977-82, 2005.
22. Frueh BC, **Knapp R**, Cusack K, Grubaugh A, Sauvageot J, Cousins V, Yim E, Robins C, et. al. Patients' reports of traumatic or harmful experiences w/in the psychiatric setting. *Psych. Svcs*, 56(9):1123-33, 2005.
23. Brawman-Mintzer O, **Knapp RG**, Nietert P. Adjunctive risperidone in generalized anxiety disorder: A double-blind, placebo-controlled study. *Journal of Clinical Psychiatry*, 66(10):1321-5, 2005.
24. Cusack KJ, Grubaugh AL, **Knapp RG**, Frueh BC. Unrecognized Trauma and PTSD among Public Mental Health Consumers with Chronic and Severe Mental Illness. *Community Ment Health J*. 42(5):487-500, 2006.
25. Grubaugh AL, Frueh BC, Elhai JD, Monnier J, **Knapp RG**, Magruder KM. Racial differences in psychiatric symptom patterns and service use in VA primary care clinics. *Psy Serv*. 57(3):410-3, 2006.
26. Mueller M, Wagner C, Annibale D, **Knapp R**, Hulsey T, Almeida J. Parameter selection for implementation of a web-based decision-support tool to predict outcome in premature infants. *BMC Med Inform* 6:11, 2006.
27. Rasmussen KG, Mueller M, Kellner C, **Knapp RG** and CORE. Patterns of psychotropic medication use among patients w/severe depression referred for ECT *J ECT*. 22(2):116-23, 2006.
28. Kashdan TB, Frueh BC, **Knapp RG**, Hebert R, Magruder KM. Social anxiety disorder in VA primary care clinics. *Behav. Re. Ther*. 44(2):233-47, 2006.
29. Brawman-Mintzer O, **Knapp RG**, Rynn M, Carter RE, Rickels K. Sertraline Treatment for Generalized Anxiety Disorder: A Randomized, Double-Blind, Placebo-Controlled Study. *J Clin Psy*. 67(6):874-81, 2006.
30. Kellner CH, **Knapp RG**, Petrides G, Rummans T, and CORE. Continuation ECT vs. pharma-cotherapy for relapse prevention in major depression: a multi-site study from CORE. *Archives Gen Psy*. 63(12):1337-44, 2006
31. Grubaugh AL, Monnier J, Magruder KM, **Knapp RG**, Frueh BC. Female veterans seeking medical care at Veterans Affairs primary care clinics: Psychiatric & medical illness burden. *Women & Health* 43:41-62, 2006.
32. Cusack KJ, Grubaugh AL, **Knapp RG** & Frueh BC. Unrecognized trauma & PTSD among public mental health consumers w/chronic & severe mental illness. *Com. Mental Health J* 42:487-500, 2006.
33. Cusack KJ, Grubaugh AL, Yim E, **Knapp RG**, Robins CS, and Frueh BC. Are there racial differences in the experience of harmful or traumatic events within psychiatric settings? *Psychiatric Qtrly* 78:101-115, 2007.
34. Frueh BC, Monnier J, Yim E, Grubaugh AL, Hamner MB, **Knapp RG**. A randomized trial of telepsychiatry for posttraumatic stress disorder. *J of Telemedicine & Telecare* 13:142-147, 2007.
35. Fink M, Rush AJ, **Knapp R**, Rasmussen K, Mueller M, Rummans T, O'Connor K, Husain M, Biggs M, Bailine S, Kellner C. DSM Melancholic Features are Unreliable Predictors of ECT. *JECT*, 23: 139-146, 2007.
36. Frueh C, Monnier J, Grubaugh L, Elhai J, Yim E, **Knapp R**. Therapist adherence and competence with manualized CBT for PTSD via videoconferencing technology. *Behavior Modification*. 31:856-866, 2007
37. Kellner CH and **Knapp RG**. Effect of the first ECT in a series. *JECT* 23: 208, 2007
38. Rasmussen K., Mueller M, **Knapp RG**, Kellner C, Petrides G, Husain MM, Fink M. Antidepressant Medication Treatment Failure Does Not Predict Lower Remission With ECT for Major Depressive Disorder: A Report From the Consortium for Research in Electroconvulsive Therapy. *J Clin Psychiatry* 68;11:1701-1706, 2007
39. Yeager DE, Magruder KM, Knapp RG, Nicholas JS, Frueh BC. Performance characteristics of the PTSD Checklist and SPAN in Veterans Affairs primary care settings. *Gen Hosp Psychiatry*. 29: 294-301, 2007
40. Rasmussen KG, **Knapp RG**, Biggs MM, Smith GE, et. al. Data management and design issues in an unmasked randomized trial of electroconvulsive therapy for relapse prevention of severe depression: the consortium for research in electroconvulsive therapy trial. *JECT.*;23(4):244-50, 2007.

41. Husain MM, McClintock SM, Rush AJ, **Knapp RG**, Fink M, Rummans TA, Rasmussen K, Claassen C, Petrides G, Biggs MM, Mueller M, Sampson S, Bailine SH, Lisanby SH, Kellner CH. The efficacy of acute ECT in atypical depression. *J Clin Psychiatry*, 69(3): 406-411, 2008
42. Rasmussen K., **Knapp R**, Biggs M, Smith GE, Rummans TA, Petrides G, Husain M, O'Connor K, Fink M, and Kellner CH. Data Management and Design Issues in an Unmasked Randomized Trial of ECT for Relapse Prevention in Severe Depression. *JECT* 23; 244-250, 2008
43. Fink M, Petrides G, Kellner CK, Mueller M, **Knapp RG**, Husain MM, Rasmussen K, Rummans T, O'Connor K, and CORE. Change in seizure threshold during Electroconvulsive Therapy. *JECT* 24: 114-116, 2008.
44. Williams M, Rummans T, Sampson S, **Knapp RG**, Mueller M, Husain MM, Fink M, Rasmussen K, O'Connor K, Smith G, Petrides G, Kellner CK. Outcome of Electroconvulsive Therapy by race in the Consortium for Research on Electroconvulsive Therapy Multisite Study. *JECT* 24: 117-121, 2008.
45. Rasmussen K., Mueller M, **Knapp R**, Rummans T, Sampson S, Petrides G, Husain M, O'Connor K, Fink M, and Kellner CH. Baseline Medication Non-Response Associated With Potential for Relapse After Successful Remission of a Depressive Episode With ECT? *J Clin Psychiatry*, in press, 2008.
46. Lisanby SH, Sampson S, Husain MM, Petrides G, **Knapp R**, McCall V, Young R, Prudic J, Kellner CH. Toward individualized Post-ECT Care: Piloting the Symptom-Titrated Algorithm-Based Longitudinal ECT (STABLE) Intervention. *JECT*, in press 2008 (July)

C. Research Support List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and your role (e.g. PI, Co-Investigator, Consultant) in the research project. Do not list award amounts or percent effort in projects.

Ongoing (Role on all projects is that of Biostatistician):

Grant Number	Agency	Start-End Dates	Total Award	Role in Project	% Effort
IIR-04-421	VA HSR&D	08/01/2006 – 07/31/2010	\$1,038,350	Statistician (Egede, PI)	20%
Title: Telepsychology: Service Delivery for Depressed Elderly Veterans					
Goals of Project: To evaluate the effectiveness of telepsychology compared to traditional face-to-face mental health treatment in elderly veterans. Dr. Rebecca Knapp receives no research funding in direct support of her own independent research for her involvement in this project.					
VA Proj.#0003	VAMC	10/01/2005 – 09/30/2008	\$149,500	Statistician (Brawman-Mintzer, PI)	10%
Title: Pharmacological Treatment of Generalized Anxiety Disorder in the Elderly					
Goals of Project: To evaluate efficacy and safety of sertraline to provide evidence-based guidelines for pharmacological management of elderly veterans suffering from generalized anxiety disorder. Dr. Rebecca Knapp receives no research funding in direct support of her own independent research for her involvement in this project.					
VA Proj.#0065	VAMC	10/01/2005 – 09/30/2008	\$103,700	Statistician (Hamner, PI)	10%
Title: A Placebo Controlled Trial of Adjunctive Quetiapine for Refractory PTSD					
Goals of Project: To evaluate the efficacy of adjunctive quetiapine to a standard antidepressant, paroxetine. Dr. Rebecca Knapp receives no research funding in direct support of her own independent research for her involvement in this project.					
CD 207015-1	VA HSR&D CDA-2	01/01/2008- 12/31/2011	\$463,800	Co-Mentor (Grubaugh, PI)	4%
Title: Improving Mental Health Services for Diverse Veterans with PTSD and SMI					
Goals of Project: To provide support for the candidate to gain additional training in the delivery of posttraumatic stress disorder (PTSD) services to racially diverse veterans with PTSD and SMI. Dr. Rebecca Knapp will not receive research funding in direct support of her own independent research for her involvement in this project.					

Pending:

Grant #	Agency	Start-End Dates	Total Award	Role in Project	% Effort
IIR 07-139-2	VA HSR&D MERIT	Pending funding, received	N/A	Co-Inv. Biostatistician	10%

		conditional approval		(Pope, PI)	
Title: Racial Variations in Communication, Decision-Making, and Diabetes Outcomes					
Goals of Project: To assess the effect of patient-centered communication on diabetes outcomes. Dr. Rebecca Knapp will not receive research funding in direct support of her own independent research for her involvement in this project.					

Completed (within past 3 years):

Title: Comparing Three Electrode Placements to Optimize ECT
Project Number: R01 MH67201
Source: NIH/NIMH (subcontract from UMDNJ, Bernstein, PI)
Dates: 07/01/02 – 06/30/06
Major Goals: To compare the relative efficacy of three ECT electrode placements in patients receiving an acute course of ECT for the treatment of major depressive disorder.
Role on Project: Statistician/Director Data Coordination Center (Kellner, PI)

Title: *Training in Marijuana Dependence*
Project Number: K23 DA15440 (Aimee McCrae, PI)
Source: NIH/NIDA
Dates: 06/01/02 – 05/31/05
Major Goals: To provide career development training and experience with a focus on marijuana dependence.
Role on Project: Statistician

Title: *Telepsychiatry Service Delivery to Trauma Victims*
Project Number: R01 HS11642 (Christopher B. Frueh, PI)
Source: AHRQ
Dates: 07/05/02 – 06/30/06 [Knapp's role ended]
Major Goals: To evaluate the efficacy of videoconferencing for mental health care to veterans with PTSD.
Role on Project: Statistician (No longer supported by this grant)

Title: *CBT for PTSD Among Public Sector Consumers*
Project Number: R21 MH065248 (Christopher B. Frueh, PI)
Source: NIH/NIMH
Dates: 01/01/03 – 12/31/06 [Knapp's role ended]
Major Goals: To evaluate the efficacy of cognitive behavioral therapy (CBT) for the treatment of PTSD among public sector consumers.
Role on Project: Statistician (No longer supported by this grant)

D. Time and Effort Statement Indicate percentage of time spent on research, clinical, teaching/mentoring, and administration. List persons mentored in last 3 years and type of mentoring awards.

% Effort: Research=75%; Clinical=0%; Teaching/Mentoring=20%; Administration=5%

Name/Degree	Inclusive Dates	Type of Mentoring Award
None		

E. Significant Life Events (OPTIONAL)

List any significant life events that have interrupted the PI's research activities for a significant period of time.

None

OVERLAP STATEMENT
KNAPP, Rebecca Grant (Ph.D.)

As the biostatistician co-investigator, my role on funded projects is to provide statistical consultation with regard to design, analysis, and interpretation of the research data. Therefore, there is no overlap with respect to my role for the current proposal and any active or pending research with respect to the science, budget, or total effort.