# Megan (Schaffer) Chesin, Ph.D.

chesinm@wpunj.edu

https://www.researchgate.net/profile/Megan\_Chesin

https://scholar.google.com/citations?user=yoidSCoAAAAJ&hl=en (i10-index citations=35)

### **Current Positions**

| 2015-present           | William Paterson University<br>Professor (2021)<br>Associate Professor (2018)<br>Assistant Professor   | Wayne, NJ  |
|------------------------|--|--|
| Education              |  |  |
| 2013-2015              | <b>Columbia University</b><br>Postdoctoral Research Fellowship<br>Mentor: Barbara Stanley, Ph.D.   | New York, NY   |
| 2005-2013              | City University of New York (CUNY)<br>Doctor of Philosophy<br>Concentration: Clinical Psychology<br>Advisor: Elizabeth L. Jeglic, Ph.D.<br>Dissertation: Pathways to high-lethality suicide atter<br>with borderline personality disorder and major dep<br>Citation of Publication: Chesin, M.S., Jeglic, E.L.,<br>Pathways to high-lethality suicide attempts in indiv<br>personality disorder. <i>Archives of Suicide Research,</i><br>APA-Accredited Clinical Psychology Internship: U<br>Princeton, Princeton, NJ, 2009-2010 | ressive disorder<br>& Stanley, B. (2010).<br>viduals with borderline<br>14, 342-362. |
| 1997-2001              | <b>College of William and Mary</b><br>Bachelor of Arts<br>Major: Economics   | Williamsburg, VA   |
| <b>Research Experi</b> | ence   |  |
| 2010-2017              | <b>New York State Psychiatric Institute</b><br><i>Research Scientist</i>   | New York, NY   |
| 2011-2012              | <b>Articulate Technologies, Inc.</b><br><i>Statistical Consultant</i>  | San Francisco, CA  |
| 2002-2006              | <b>The Urban Institute</b><br>Consultant, Research Associate, Research Assistan  | Washington, DC   |
| 2001-2002              | PA Consulting  | Houston, TX  |

Analyst

| <b>Grant Support</b> <i>Present</i> |   |
|-------------------------------------|---|
| 2020-2023                           | Co-Investigator, <i>Preventing Suicide in Rural Veterans: Implementation of an Evidence-Based Mindfulness Intervention</i> . U.S. Department of Veterans Affairs. PI: Interian.   |
| <i>Past</i> 2020                    | Principal Investigator, <i>Suicide and the Media</i> . William Paterson University, Research Center for the Humanities and Social Sciences Summer Research Stipend.   |
| 2019                                | Principal Investigator, Are Childhood Maltreatment, Hostility and Anger<br>Uniquely Related to Suicide Attempt or Are They Related to Aggressive<br>Behavior More Generally? William Paterson University, Research Center for<br>the Humanities and Social Sciences Summer Research Stipend.                        |
| 2013-2018                           | Co-Investigator, <i>Mindfulness-Based Cognitive Therapy for Preventing Suicide</i><br><i>in Military Veterans</i> , U.S. Department of Veterans Affairs (VA). PI: Interian.<br>2019 Project Finalist, Runner-up, Mental Health/Suicide Prevention Category,<br>NY/NJ Veterans Integrated Service Networks PII Forum |
| 2018                                | Principal Investigator, <i>Suicide Risk, Attitudes and Knowledge among College Students who Watch "13 Reasons Why" Compared to Those Who Do Not</i> , William Paterson University, Research Center for the Humanities and Social Sciences Summer Research Stipend.  |
| 2017                                | Principal Investigator, <i>Testing Mindfulness and Emotion Reactivity among Veteran and College Student Suicide Attempters with Recurrent Suicidal Ideation</i> , William Paterson University, Research Center for the Humanities and Social Sciences Summer Research Stipend.                                      |
| 2016                                | Principal Investigator, <i>Testing Physiological and Psychosocial Risk Factors for Impulsive-Aggression in College Students</i> , William Paterson University, Research Center for the Humanities and Social Sciences Summer Research Stipend.  |
| 2014-2015                           | Principal Investigator, Probing Neural Mechanisms of Suicide Attempt and<br>Cognitive Control Deficits Among Depressed Subjects Using Voxel-based<br>Analysis of fMRI Data and the Stroop Paradigm, New York State Psychiatric<br>Insitute, MRI Research Program Pilot Award.                                       |
| 2013-2015                           | Principal Investigator, Mindfulness Based Cognitive Therapy + Safety  |

|      | <i>Planning Intervention: A Treatment Development Study</i> , American Foundation for Suicide Prevention (AFSP), Postdoctoral Research Fellowship. |
|------|--|
| 2007 | Principal Investigator, <i>Parenting Style and Aggressive Behavior</i> , CUNY-Graduate Center, Doctoral Student Research Grant.                    |
| 2006 | Principal Investigator, <i>Parenting Style and Aggressive Behavior</i> , CUNY-John Jay College, Forensic Psychology Research Institute Grant.      |

# **Honors & Awards**

| 2019      | College of Humanities and Social Sciences Award for Faculty Research           |
|-----------|--|
|           | Excellence   |
| 2016      | AFSP Young Investigator Research Award   |
| 2013-2015 | National Institute of Mental Health (NIMH) Loan Repayment Award                |
| 2013      | Selected Research Fellow, Summer Research Institute, Mind & Life Institute     |
| 2012      | Policy Scholar Award, NYS Office of Mental Health                              |
| 2005-2010 | Chancellor's Fellowship & Graduate Teaching Fellowship                         |
| 2009      | Selected Participant, Pittsburgh Mind-Body Center Summer Institute             |
| 2006-2009 | John Jay Scholarly Achievement Award   |
| 2008      | Selected Level I Participant, Summer Research Institute on Suicide Prevention, |
|           | University of Rochester Medical Center   |
| 2008      | Sue Rosenberg Zalk Student Travel Award  |
| 2007      | Travel Reimbursement Scholarship, Mplus Workshop, Johns Hopkins                |
|           | University   |
| 2001      | Phi Beta Kappa   |
| 2001      | Summa Cum Laude  |
| 1997-2001 | Monroe Scholar   |
|           |  |

## **Publications**

\*denotes student author \*\*denotes WPUNJ student author

Original, Peer-Reviewed Articles

- Kline, A., Williams, J. M., Steinberg, M. L., Mattern, D., Chesin, M., Borys, S., & Chaguturu, V. (2023). Predictors of opioid overdose during the COVID-19 pandemic: The role of relapse, treatment access and nonprescribed buprenorphine/naloxone. *Journal of Substance Use and Addiction Treatment*, 149, Article 209028.
- Jeglic, E., Calkins, C., Margeotes, K.,...Chesin, M., Panza, N. (2023). The nature and scope of educator sexual misconduct in K-12. *Sexual Abuse*, *35*, 188-213.
- Smith, S.,\*\* & Chesin, M. (2023). Belief in a just world mediates the relationship between childhood abuse and self-esteem in undergraduate college students. *Journal of Family Trauma, Child Custody & Child Development, 20,* 81-98.

- **Chesin, M.S.,** Dave, C., Myers, C.E., ...Interian, A. (2022). Using Mindfulness-Based Cognitive Therapy to Prevent Suicide among high suicide risk patients who also misuse opioids: A preliminary probe of feasibility and effectiveness. *International Journal of Mental Health and Addiction*. Advance online publication.
- Myers, C.E., Dave, C., Callahan, M., Chesin, M.S.,...Interian, A. (2022). Improving the prospective prediction of a near term suicide attempt in Veterans using a Go/NoGo task. *Psychological Medicine*. Advance online publication.
- **Chesin, M.S.** & Jeglic, E.L. (2022). Mindfulness, and specifically compassion, buffers the relationship between hopelessness and suicide ideation in college students. *Journal of College Student Psychotherapy*, *36*, 49-63.
- Chesin, M., Keilp, J., Kline, A., Stanley, B., Myers, C., Latorre, M., St. Hill, L.M., Miller, R.B., King, A.R., Boschulte, D.R., Rodriguez, K.M., Callahan, M., Sedita, M., & Interian, A. (2021). Attentional control may be modifiable with Mindfulness-Based Cognitive Therapy to Prevent Suicide. *Behaviour Research and Therapy*. Advance online publication. https://doi.org/10.1016/j.brat.2021.103988
- Interian, A., Chesin, M.S. Stanley, B....Kline, A. (2021) Mindfulness-Based Cognitive Therapy for Preventing Suicide in military Veterans: A randomized clinical trial. *Journal of Clinical Psychiatry*. Advance online publication.
- Interian, A., Chesin, M., Kline, A....Stanley, B. (2021). Coping with suicidal urges: An important factor for suicide risk assessment and intervention. *Archives of Suicide Research, 21,* 224-237.
- Chesin, M., Cascardi, M., Tsang, W.,\*\* & Smith, S.\*\* (2020). Blunted arousal in response to psychological stress is associated with current suicide ideation. *Archives of Suicide Research*, 24, 381-390.
- Interian, A., Myers, C.E., **Chesin, M**....Keilp, J. (2020). Towards the objective assessment of suicidal states: Some neurocognitive deficits may be temporally related to suicide attempt. *Psychiatry Research, 287*.
- Chesin, M., Interian, A., Kline, A....Stanley, B. (2019). Past-year opioid misuse and suicide attempt are positively associated in high suicide risk veterans who endorse past-year substance use. *Addictive Behaviors, 99.* November 2019, Commanding Officer Publication Brief Selection, VA Office of Research & Development, Health Services Research & Development Service
- Bujalski, A.,\*\* Chesin, M.S., & Jeglic, E.L. (2019). Cognitive empathy partially mediates the relationship between childhood physical abuse and BPD features in college students. *Current Psychology*, 38, 121-127.

- **Chesin, M.,** Cascardi, M., Rosselli, M.,\*\* Tsang, W.,\*\* & Jeglic, E. (2019). Knowledge of suicide risk factors, but not suicide risk, is greater among college students who viewed 13 Reasons Why. *Journal of American College Health (JACH)*. Advance online publication.
- **Chesin, M.** & Cascardi, M. (2019). Cognitive-affective correlates of suicide ideation and attempt are not modified by impulsive-aggression in emerging adults. *Archives of Suicide Research, 23,* 428-439.
- Chesin, M., Brodsky, B., Beeler, B.,\* Benjamin-Phillips, C.,\* Taghavi, I.,\* & Stanley, B. (2018). Perceptions of adjunctive Mindfulness-Based Cognitive Therapy to Prevent Suicidal Behavior among high suicide-risk outpatient participants. *Crisis: The Journal of Crisis Intervention and Suicide Prevention, 39*, 451-460.
- Cascardi, M., Chesin, M., Kammen, M.\*\* (2018). Personality correlates of partner violence subtypes: A latent class analysis. *Aggressive Behavior, 44,* 348-361.
- Interian, A., Chesin, M.S., Kline, A., Miller, R., St. Hill, L., Scherbakov, A., King, A., & Stanley, B. (2018). Use of the Columbia-Suicide Severity Rating Scale (C-SSRS) to classify suicidal behaviors. *Archives of Suicide Research*, 22, 278-294.
- Stanley, B., Currier, G.W., Chesin, M.S., Chaudhury, S., Jager-Hyman, S., Gafalvy, H., & Brown, G.K. (2018). Suicidal behavior and non-suicidal self injury in emergency departments underestimated by administrative claims data. *Crisis: The Journal of Crisis Intervention and Suicide Prevention, 39*, 318-325.
- Chesin, M.S., Galfavy, H., Sonmez, C.,\* Wong, A.\*, Oquendo, M.A., Mann, J.J., & Stanley, B. (2017). NSSI is predictive of suicide attempts among individuals with mood disorders. *Suicide & Life-Threatening Behavior*, 47, 567-579.
- **Chesin, M.S.**, Brown, G.K., Haigh, E.A.P., & Stanley, B. (2017). Staff views of an emergency department intervention using safety planning and structured follow-up with suicidal veterans. *Archives of Suicide Research*, *21*, 127-137.
- Kline, A., Chesin, M., Latorre, M., ... Interian, A. (2016). Rationale and study design of a trial of mindfulness-based cognitive therapy for preventing suicidal behavior (MBCT-S) in military Veterans, *Contemporary Clinical Trials*, 50, 245-252.
- Restrepo, D. M.,\* Chesin, M.S., & Jeglic, E.L. (2016). The relationship between social maladjustment, childhood abuse and suicidal behavior in college students. *International Journal of Psychology and Psychological Therapy*, 16, 235-248.
- Silvers, J., Hubbard, A.D., Biggs, E., Shu, J., Fertuck, E., Chaudhury, S., Grunebaum, M.F., Weber, J., Kober, H., **Chesin, M.S.**, Brodsky, B.S., Ochsner, K.N., & Stanley, B. (2016). Affective lability and difficulties with regulation are differentially associated with amygdala and

prefrontal response in women with Borderline Personality Disorder. *Psychiatry Research: Neuroimaging, 254,* 74-82.

- Silvers, J., Hubbard, A.D., Chaudhury, S., Biggs, E., Shu, J., Grunebaum, M.F., Fertuck, E., Weber, J., Kober, H., Carson-Wong, A., Brodsky, B.S., Chesin, M.S., Ochsner, K.N., & Stanley, B. (2016). Suicide attempters with Borderline Personality Disorder show differential prefrontal and parietal recruitment when regulating emotional responses to aversive memories. *Journal of Psychiatric Research*, 81, 71-78.
- Chesin, M.S., Benjamin-Phillips, C.,\* Keilp, J., Fertuck, E., Brodsky, B., & Stanley, B. (2016). Improvements in executive attention, rumination, cognitive reactivity and mindfulness among high suicide-risk patients participating in adjunct Mindfulness-Based Cognitive Therapy: Preliminary findings. *Journal of Alternative and Complementary Medicine*, 22, 642-649.
- Chesin, M.S., Interian, A., Kline, A., Benjamin-Phillips, C.,\* Latorre, M., & Stanley, B. (2016). Reviewing mindfulness-based interventions for suicidal behavior. *Archives of Suicide Research, 20*, 507-527.
- Chesin, M.S., Wilson, S. T., Fertuck, E., Keilp, J., Brodsky, B., Mann, J. J., ... & Stanley, B. (2016). Heart rate variability and suicidal behavior. *Psychiatry Research*, 240, 241-247.
- Stanley, B., Chaudhury, S. R., Chesin, M.S., Pontoski, K., Bush, A. M., Knox, K. L., & Brown, G. K. (2016). An emergency department intervention and follow-up to reduce suicide risk in the VA: Acceptability and effectiveness. *Psychiatric Services*, 67, 680-683. *Psychiatric Services* Editors' Choice on Suicide Prevention.
- **Chesin, M.S.,** & Jeglic, E.L. (2016). Factors associated with recurrent suicidal ideation among racially and ethnically diverse college students with a history of suicide attempt: The role of mindfulness. *Archives of Suicide Research, 20,* 29-44.
- Chesin, M.S., Sonmez, C.C.,\* Benjamin-Phillips, C.,\* Beeler, B.,\* Brodsky, B., & Stanley, B. (2015). Preliminary effectiveness of adjunct mindfulness-based cognitive therapy to prevent suicidal behavior in outpatients who are at elevated suicide risk. *Mindfulness, 6*, 1345-1355.
- Currier, G. W., Brown, G. K., Brenner, L. A., Chesin, M., Knox, K. L., Holloway, M. G., & Stanley, B. (2015). Rationale and study protocol for a two-part intervention: Safety planning and structured follow-up among veterans at risk for suicide and discharged from the emergency department. *Contemporary Clinical Trials, 43*, 179-184.
- Stanley, B., Brown, G. K., Currier, G. W., Lyons, C., Chesin, M., & Knox, K. L. (2015). Brief intervention and follow-up for suicidal patients with repeat emergency department visits enhances treatment engagement. *American Journal of Public Health*, 105, 1570-1572.

Chesin, M.S., Fertuck, E., Lichenstein, S.,\* Goodman, J., & Stanley, B. (2015). The interaction

between rejection sensitivity and emotional maltreatment in Borderline Personality Disorder. *Psychopathology*, 48, 31-35.

- Goodman, J., Fetuck, E., **Chesin, M.S.**, Lichenstein, S.,\* & Stanley, B. (2014). The moderating role of rejection sensitivity in the relationship between emotional maltreatment and borderline symptoms. *Personality & Individual Differences*, *71*, 146-150.
- Smith, K.,\* Chesin, M.S., & Jeglic, E.L. (2014). Minority college student mental health: Does majority status matter? Implications for college counseling services. *Journal of Multicultural Counseling & Development*, 42, 77-92.
- Bauer, R.,\* Chesin, M.S., & Jeglic E.L. (2014). Depression, delinquency, and suicidal behaviors among college students. *Crisis: The Journal of Crisis Intervention and Suicide Prevention*, 35, 36-41.
- **Chesin, M.S.**, Moster, A.N.,\* & Jeglic, E.L. (2013). Non-suicidal self-injury among ethnically and racially diverse emerging adults: Do factors unique to the minority experience matter? *Current Psychology*, *32*, 318-328.
- Oquendo, M., Ellis, S.P., Chesin, M.S., Birmaher, B., Zelazny, J., Tin, A., Melhem, N., Burke, A.K., Kolko, D., Greenhill, L., Stanley, B., Brodsky, B., Mann, J.J., Brent, D.A. (2013). Familial transmission of parental mood disorders: Unipolar and bipolar disorders in offspring. *Bipolar Disorders*, 15, 764-773.
- Kleban, H.,\* Chesin, M.S., & Jeglic, E.L., & Mercado, C.C. (2013). An exploration of crossover sexual offending: Prevalence and risk factors. *Sexual Abuse: A Journal of Research and Treatment, 25,* 427-443.
- Chesin, M.S. & Stanley, B. (2013). Risk assessment and psychosocial interventions for suicidal patients. *Bipolar Disorders*, 15, 584-93.
- Chesin, M.S., & Jeglic E.L. (2012). Suicidal behavior among Latina college students. *Hispanic Journal of Behavioral Studies, 34*, 421-436.
- Chesin, M.S., Jeglic, E.L., & Stanley, B. (2010). Pathways to high-lethality suicide attempts in individuals with borderline personality disorder. *Archives of Suicide Research*, *14*, 342-362.
- Schaffer, M., Jeglic, E.L., Moster, A., & Wnuk, D. (2010). Cognitive-behavioral therapy in the treatment and management of sex offenders. *Journal of Cognitive Psychotherapy: An International Quarterly, 24*, 92-103.
- Schaffer, M., Clark, S., & Jeglic, E.L. (2009). The role of parenting and empathy in the development of antisocial behaviors. *Crime and Delinquency*, 55, 586-599.

Schaffer, M., Jeglic, E.L., & Stanley, B. (2008). The relationship between suicidal behavior, ideation, and binge drinking among college students. *Archives of Suicide Research*, 12, 124-132.

#### Book Chapters

- Chesin, M., Adler, E.,\*\* & Feinberg, M.\*\* (2022). Suicide Behavior and the Media. In R. Miranda & E. Jeglic (Eds.), *Handbook of Youth Suicide Prevention: Integrating Research into Practice*. New York: Springer.
- Chesin, M. & Stanley, B. (2021). Cognitive therapy (CT) and other psychosocial interventions for suicidal individuals. In D. Wasserman (Ed.), Oxford Textbook of Suicidology and Suicide Prevention, Second Edition. New York: Oxford University Press.
- **Chesin, M.** & Cascardi, M. (2020). Childhood maltreatment, hostility and anger: Are these factors unique to suicide attempt or shared with dating violence perpetration? In H. Ballou (Ed.), *Understanding the Risk Factors for Suicidal Behavior*. New York: NOVA Science.
- Fertuck, E., Chesin, M.S., & Johnson, B.\* (2017). Borderline personality disorder and mood disorders. In B. Stanley & A. New (Eds.), *Primer on Borderline Personality Disorder*. New York: Oxford University Press.
- Chesin, M.S. & Singh, T.\* (2017). Suicidal ideation. In A.E. Wenzel (Ed.), SAGE Encyclopedia of Abnormal and Clinical Psychology. (A Choice Outstanding Academic Title for 2019). Thousand Oaks, CA: Sage.
- Chesin, M.S., Yuryev, A., & Stanley, B. (2016). Psychological treatments of suicidal patients. In D. Wasserman (Ed.), *Suicide: An Unnecessary Death*. London, England: Martin Dunitz, Ltd.
- Chaudhury, S., Chesin, M.S., & Stanley, B. (2014). Cognitive-behavioral approaches to treating the suicidal patient In D. Lamis and N. Kaslow (Eds.), *Advancing the Science of Suicidal Behavior: Understanding and Intervention*. Hauppauge, NY: Nova Science Publishers.
- Chesin, M.S., Chaudhury, S., & Stanley, B. (2014). Psychotherapeutic treatment approaches to suicide. In T. Hudzik & K. Cannon (Eds.), *Suicide: Phenomenology and Biology*. Heidelberg, Germany: Springer International.
- **Chesin, M.S.** & Stanley, B. (2013). Dialectical behavior therapy for mood disorders. In J.J. Mann, S. Roose, & P. McGrath (Eds.), *Clinical Handbook for the Management of Mood Disorders*. Cambridge, U.K.: Cambridge University Press.
- Fertuck, E., Chesin, M.S., & Stanley, B. (2013). Mood disorders in the context of borderline personality disorder. In J.J. Mann, S. Roose, & P. McGrath (Eds.), *Clinical Handbook for the Management of Mood Disorders*. Cambridge, U.K.: Cambridge University Press.

Treatment Manuals

Latorre, M., Chesin, M.S., Zanetich, K... Kline, A. Mindfulness-Based Cognitive Therapy for Individuals at Risk of Suicide.

#### Non-Peer-Reviewed Publications

- Chesin, M. (2015). Review of M. Williams et al. (2015) *Mindfulness and the Transformation of Despair: Working with People at Risk of Suicide. PsycCRITIQUES, 60.*
- Schaffer, M. Review of P. Rich (2009) Juvenile Sex Offenders: A Comprehensive Guide to Risk Evaluation. In Cognitive Behavioral Therapy Book Reviews.
- Zweig, J., Naser, R., Blackmore, J. & Schaffer, M. (2006). Addressing Sexual Violence in Prisons: A National Snapshot of Approaches and Highlights of Innovative Strategies. Urban Institute Report prepared for the U.S. Department of Justice.
- Schaffer, M. & Newmark, L. (2006). Probationer's Perceptions of the Fairness of the Criminal Justice Response to Intimate Partner Violence: The Washtenaw County Judicial Oversight Demonstration Initiative. Urban Institute Report prepared for the U.S. Department of Justice.
- Newmark, L. & Schaffer, M. (2006). Victim's Perceptions of the Fairness of the Criminal Justice Response to Intimate Partner Violence: The Washtenaw County Judicial Oversight Demonstration Initiative. Urban Institute Report prepared for the U.S. Department of Justice.
- Harrell, A., Schaffer, M. & DeStefano, C. (2006). The Evaluation of Milwaukee's Judicial Oversight Demonstration. Urban Institute Report prepared for the U.S. Department of Justice.
- Zweig, J., Schaffer, M. & Moore, G. (2004). Addressing Co-Occurring Mental Health and Substance Abuse Disorders in the Criminal Justice System: Guiding Principles and District of Columbia Practices. Urban Institute Report prepared for the Criminal Justice Coordinating Council, District of Columbia.
- Schaffer, M., Moore, G., & Zweig, J. (2004). Serving Defendants with Co-Occurring Mental Health and Substance Abuse Disorders. Report chapter prepared for the Criminal Justice Coordinating Council, District of Columbia.
- Newmark, L., Schaffer, M., Zweig, J., Cincotta, E., et al. (2004). *Tribal Vicitms Assistance Evaluation Assessment Site Visit Report*. Urban Institute Report prepared for the U.S. Department of Justice.
- Newmark, L., & Schaffer, M. (2003). Crime Victims Compensation in Maryland: Accomplishments and Strategies for the Future. Urban Institute Report prepared for the Maryland Governor's Office of Crime Control and Prevention.

Lawrence, S., LaVigne, N. & Schaffer, M. (2002). In Their Own Words: Staff and Inmate Experiences with Pennsylvania's Community Orientation and Reintegration (COR) Program. Urban Institute Report prepared for the Pennsylvania Department of Corrections.

### **Professional Presentations**

- Sedita, M.,\*\* Chesin, M., Interian, A. (August 2023). Inadequate Understanding of Mindfulness may be a Barrier to MBCT-S Treatment Completion in Veterans. Poster presented at the annual convention of the American Psychological Association, Washington, District of Columbia.
- Interian, A. & Chesin, M. (March 2023). Preventing Suicide in Rural Veterans: Implementation of an Evidence-Based Telehealth Mindfulness Intervention. Panelist on Office of Rural Health Monthly Rural Community Call.
- **Chesin, M.** (October 2022). Mindfulness to Enhance Mental Health in the Federal Government. Panelist in virtual symposium for Interagency Veterans Advisory Council.
- Chesin, M., Stanley, B., Kline, A., Latorre, M., St. Hill, L., Miller, R., King, A., Bosculte, D., Rodriguez, K., & Interian, A. (November 2021). Preliminary Effectiveness for an Intervention Combining Mindfulness Training with Cognitive Behavior Therapy for Reducing Opioid Misuse and Suicide Attempt. Poster presented virtually at the annual convention of the Association for Behavioral and Cognitive Therapies, New Orleans, Lousiana.
- Chesin, M., Adler, E.,\*\* Sedita, M.,\*\* & Kennedy, T.\*\* (November 2021). Towards Specifying Motives as Treatment Targets to Reduce Non-Suicidal Self-Injury (NSSI) and Alcohol Use in College Students: Conformity is Negatively Associated with NSSI in Students who Drink. Poster presented virtually at the annual convention of the Association for Behavioral and Cognitive Therapies, New Orleans, Lousiana.
- **Chesin, M.**, Cascardi, M., Adler, E.\*\* (June 2020). Co-Occurring Physical Dating Violence and Suicide Attempt: The Role of Childhood Physical Abuse. Paper presented virtually at the first annual convention of the Youth Suicide Research Consortium, New York, New York.
- Chesin, M. & Cascardi, M. (April 2020). Physical Dating Violence and Suicide Attempt in Emerging Adults: Positive Associations with Physical Childhood Maltreatment and the Protective Effect of Minority Race and Ethnicity. Poster presented virtually at the annual convention of the American Association of Suicidology, Portland, Oregon. https://www.aasconference.org/aasposters
- Smith, S.,\*\* Chesin, M., & Cascardi, M. (March 2020). Testing Whether Belief in a Just World Mediates the Relationship Between Childhood Abuse and Self Esteem. Paper presented virtually at the annual meeting of the Eastern Psychological Association, Boston, Massachusetts.

Adler, E.,\*\* Harris, R.,\*\* Chesin, M., & Cascardi, M. (March 2020). Comparing the Relative Import

of Discrete Childhood Maltreatment Types (CMs) to the Accumulation of Multiple CMs in Binge Drinking Among Emerging Adult College Students. Poster presented virtually at the annual meeting of the Eastern Psychological Association, Boston, Massachusetts.

- Pearsall, C.,\*\* Cascardi, M., **Chesin, M.**, & Navarro, V.\*\* (November 2019). Mindfulness and its Role in Understanding the Relation of Child Maltreatment and Intimate Partner Violence to Depressive and Posttraumatic Stress Symptoms. Poster presented at the annual convention of the Association for Cognitive and Behavioral Therapies, Atlanta, Georgia.
- Chesin, M., Interian, A., Kline, A....Stanley, B. (October 2019). Past-Year Opioid Misuse is Linked to Past-Year Suicide Attempt in High Suicide-Risk Veterans. Poster presented at the HSR&D/QUERI National Conference, Washington, District of Columbia.
- Interian, A., Kline, A., Chesin, M., ....Stanley, B. (October 2019). Preliminary Efficacy for Mindfulness-Based Cognitive Therapy for Preventing Suicide in High-Risk Military Veterans. Paper presented at the HSR&D/QUERI National Conference, Washington, District of Columbia.
- Interian, A., Kline, A., Chesin, M., St. Hill, L., King, A., Latorre, M., Miller, R., & Stanley, B. (October 2019). A Randomized Controlled Trial of Mindfulness-Based Cognitive Therapy for Preventing Suicide in High-Risk Military Veterans. Paper presented at the International Summit on Suicide Research, Miami, Florida.
- Interian, A., Chesin, M., Kline, A....Stanley, B.. (October 2019). Coping with Suicidal Urges: An Important Factor for Suicide Risk Assessment and Intervention. Poster presented at the International Summit on Suicide Research, Miami, Florida.
- **Chesin, M.** (September 2019). 13 Reasons Why and the Impact on Youth: An Overview of the Evidence. Invited panel discussion for the APA Division 53, Society for Clinical Child and Adolescent Psychology Webinar Series.
- Rosselli, M.,\*\* **Chesin, M.**, Cascardi, M., Tsang, W.,\*\* & Jeglic, E. (November 2018). Knowledge and Accepting Attitudes of Suicide are Greater among College Students who Watched 13 Reasons Why Compared to their Peers who did not. Poster presented at the annual convention of the Association for Cognitive and Behavioral Therapies, Washington, District of Columbia.
- **Chesin, M.** (September 2018). The Impact of "Thirteen Reasons Why" on Young People: What We Know So Far. Invited AFSP Research Connection Program presented to AFSP-Arkansas Chapter, Little Rock, Arkansas.
- **Chesin, M.** (September 2018). Mindfulness and Interventions to Prevent Suicide Attempts among Individuals at Risk of Suicide. Invited AFSP Research Connection Program presented to AFSP-Arkansas Chapter, Little Rock, Arkansas.

- Blank, H.,\* Cascardi, M., & Chesin, M. (July 2018). Does Mindfulness Moderate the Association of Child Maltreatment and Dating Violence Victimization on Symptoms of Depression and Posttraumatic Stress Disorder?. Poster presented at the biannual International Family Violence and Child Victimization Research Conference, Portsmouth, New Hampshire.
- Tsang, W.,\*\* Chesin, M., & Cascardi, M. (March 2018). Arousal During Stressful Task Completion Linked to State Anxiety in Females. Paper presented at the annual meeting of the Eastern Psychological Association, Philadelphia, Pennsylvania.
- **Chesin, M.**, Mayers, J.,\*\* Cascardi, M. (November 2017). Cognitive-Affective Correlates of Suicide Ideation and Attempt among College Students. Poster presented at the International Summit on Suicide Research, Henderson, Nevada.
- Chesin, M., Stanley, B., Kline, A., Miller, R., St. Hill, L., Latorre, M., Scherbakov, A., King, A., & Interian, A. (November 2017). Mindfulness and Suicide-Related Coping are Inversely Related to Current Suicidal Ideation in High Suicide-Risk Veterans. Poster presented at the International Summit on Suicide Research, Henderson, Nevada.
- Interian, A., Latorre, M., St. Hill, L., Miller, R., King, A., Chesin, M., Stanley, B., & Kline, A. (November 2017). Examining Issues of Difficulty and Safety Conducting a Mindfulness-Based Intervention With Veterans at High-Risk for Suicide. Paper presented at the International Summit on Suicide Research, Henderson, Nevada.
- Interian, A., Kline, A., Chesin, M., Stanley, B., St. Hill, L., King, A., Latorre, M., Miller, R., & Keilp, J. (November 2017). Neurocognitive Risk Factors Detect Past-Year Suicide Attempt Among Veterans at High-Risk for Suicide. Poster presented at the International Summit on Suicide Research, Henderson, Nevada.
- Margeotes, K.\*, Doychak, K.\*, Jeglic, E.L., Calkins, C., Blasko, B.L., Chesin, M.S., & Panza, N.R. (October 2017). Educator Sexual Misconduct: An Updated Nationally Representative Survey. Poster presented at the annual conference for the Association for the Treatment of Sexual Abusers, Kansas City, Missouri.
- **Chesin, M.** (August 2017). Interventions to Prevent Suicide Attempts among Individuals at High-Risk: The Past, Present and a Future Direction. Keynote address presented at the annual Indiana State Suicide Prevention Conference, Evansville, Indiana.
- Smith, S.,\*\* Searcy, M.,\*\* Cascardi, M., & Chesin, M. (May 2017). Biomarkers of Emotion Reactivity are Associated with Childhood Sexual Abuse. Poster presented at the annual convention of the Association for Psychological Science, Boston, Massachusetts.
- Bujalski, A.,\*\* Jeglic, E., & Chesin, M. (October 2016). Cognitive Empathy and Physical Abuse are Elevated in College Students with Recurrent Suicidal Ideation Compared to Those Without.Poster presented at the annual convention of the Association for Cognitive and Behavioral

Therapies, New York, New York.

- Cascardi, M., & Chesin, M. (July 2016). Psychological and Physical Dating Violence: Shared or Unique Etiology? Poster presented at the bi-annual International Family Violence and Child Victimization Research Conference of the Family Research Laboratory, University of New Hampshire, Durham, New Hampshire.
- **Chesin, M.** (June 2016). Mindfulness-Based Interventions for Suicidal Behavior. Keynote address presented at the annual Vermont Suicide Prevention Conference, Burlington, Vermont.
- **Chesin, M.** (June 2016). Mindfulness-Based Cognitive Therapy to Prevent Suicidal Behavior: Protocols and Lessons Learned. Workshop provided at the annual Vermont Suicide Prevention Conference, Burlington, Vermont.
- **Chesin, M.** (April 2016). Mindfulness-Based Cognitive Therapy + Safety Planning for Suicidal Behavior: A Treatment Development Study. Paper presented at the annual convention of the American Association of Suicidology, Chicago, Illinois.
- Bujalski, A.\*\* & Chesin, M. (March 2016). Predictors of Borderline Personality Features in College Students. Poster presented at the annuial meeting of the Eastern Psychological Association, New York, New York.
- Chesin, M.S., Benjamin-Phillips, C.,\* Keilp, J., Fertuck, E., Brodsky, B., & Stanley, B. (October 2015). Improvements in Executive Attention, Rumination, Cognitive Reactivity and Mindfulness among High Suicide-Risk Patients Participating in Adjunct Mindfulness-Based Cognitive Therapy. Paper presented at the International Summit on Suicide Research, New York, New York.
- Interian, A., Stanley, B., Chesin, M., Latorre, M., Bopp, K., Miller, R., Shcherbavov, A., St. Hill, L., & Kline, A. (October 2015). Mindfulness-Based Cognitive Therapy for Preventing Suicide in Veterans (MBCT-S): Design and Implementation of an Ongoing Randomized Clinical Trial. Paper presented at the International Summit on Suicide Research, New York, New York.
- Chesin, M.S., Sonmez, C.C.,\* Benjamin-Phillips, C.,\* Beeler, B., Brodsky, B., & Stanley, B. (October 2015). Preliminary Effectiveness of Adjunct Mindfulness-based Cognitive Therapy to Prevent Suicidal Behavior in Outpatients who are at Elevated Suicide Risk. Poster presented at the International Summit on Suicide Research, New York, New York.
- Chesin, M., Stanley, B., Currier, G.W., Chaudhury, S., Jager-Hyman, S., Gafalvy, H., & Brown, G.K. (October 2015). Suicidal Behavior and Non-suicidal Self-injury in Emergency Departments Underestimated by Administrative Claims Data. Poster presented at the International Summit on Suicide Research, New York, New York.

Chaudhury, S., Chesin, M., Burke, T.,\* & Stanley, B. (October 2015). Identifying Emotional States

in Individuals Immediately following a Suicide Attempt. Poster presented at the International Summit on Suicide Research, New York, New York.

- Chesin, M., Benjamin-Phillips, C.,\* Stanley, B. (September 2014). Mindfulness-Based Cognitive Therapy to Prevent Suicidal Behavior: Findings from a Quasi-experimental Pilot Study. Poster presented at the first annual Columbia University Postdoc Research and Career Symposium, New York, New York.
- **Chesin, M.S.,** & Jeglic, E.L. (August 2014). Diversity Considerations in the Treatment and Assessment of Suicidal Behavior. Paper presented as part of symposium presented at the annual convention of the American Psychological Association, Washington, District of Columbia.
- Chesin, M.S., Wilson, S.T., Sonmez, C.,\* Fertuck, E., Chaudhury, S., & Stanley, B. (April 2014). Suicide Attempters with Borderline Personality Disorder: Evidence for Blunted Stress Response as Indicated by Autonomic Nervous System Activity during the Trier Social Stress Test. Poster presented at the annual convention of the American Association of Suicidology, Los Angeles, California.
- **Chesin, M.S.** (April 2014). Developing & Testing Four Novel Adjunctive Psychosocial Interventions to Prevent Suicide and Non-Suicidal Self-Injury: An Overview of the Interventions, Lessons Learned & Preliminary Outcomes. Chair of symposium presented at the annual convention of the American Association of Suicidology, Los Angeles, California.
- Stanley, B., Chesin, M.S., Goodman, J., & Fertuck, E. (September 2012). Rejection Sensitivity, Childhood Emotional Maltreatment, and Borderline Personality Disorder. International Congress on Borderline Personality Disorder, Amsterdam, The Netherlands.
- Chesin, M.S., Carson-Wong, A.,\* Galfalvy, H., & Stanley, B. (June 2011). Childhood or Adolescent Non-suicidal Self-injury Predicts Adult Suicide Attempt among Individuals with Mood Disorder. Poster presented at the Annual Meeting of the International Society for the Study of Self-Injury, New York, New York.
- **Chesin, M.S.**, & Jeglic, E.L. (April 2011). Suicidal Behavior Among Latina College Students. Poster presented at the annual convention of the American Association of Suicidology, Portland, Oregon.
- **Chesin, M.S.**, Jeglic, E.L., Stanley, B. (January 2011). Pathways to High-Lethality Suicide Attempts in Individuals with Borderline Personality Disorder. Poster presented at the New York State Psychiatric Institute poster session, New York, New York.
- Gottdiener, W. H., Brubacher, M., Rosenthal, R. N., **Schaffer, M.**, Uy, P., Winarick, D., Bornstein, R. F., Katz, S., & Maile, J. (August 2008). Defense Mechanisms in Substance Abuse Patients.

Poster presented at the annual convention of the American Psychological Association, Boston, Massachusetts.

- Schaffer, M., Jeglic, E., & Stanley, B. (April 2008). Pathways to High-Lethality Suicide Attempts. Poster presented at the annual convention of the American Association of Suicidology, Boston, Massachusetts.
- Schaffer, M. & Jeglic, E.L. (August 2007). A Developmental Pathway to Antisocial Behavior and Decreased Empathy. Poster presented for presentation at the annual convention of the American Psychological Association, San Francisco, California.
- Schaffer, M., Jeglic, E.L., & Alvarez, S. (May 2006). Empathy, Antisocial Behavior and Associated Factors. Poster presented at the annual convention of the Association for Psychological Sciences, New York, New York.
- Schaffer, M., Turner, E., & Harrell, H. (November 2005). Perceptions of Victim Services: A Comparison of Self-Reported Data at JOD and Comparison Sites. Paper presented at the annual meeting of the American Society of Criminology, Toronto, Canada.
- DeStefano, C., Newmark, L., Harrell, A., **Schaffer, M.**, Brooks, L. (November 2005). What do Victims Want: Qualitative Findings from Victim Focus Groups in JOD Sites. Paper presented at the annual meeting of the American Society of Criminology, Toronto, Canada.
- Zweig, J. & Schaffer, M. (August 2005). Addressing Sexual Violence in Prisons: A National Snapshot of Policies and Programs. Paper presented at the annual meeting of the American Correctional Association, Baltimore, Maryland.
- Zweig, J. & Schaffer, M. (July 2005). Addressing Sexual Violence in Prisons: A National Snapshot of Policies and Programs. Paper presented at the National Institute of Justice's annual Research and Evaluation Conference, Washington, DC.
- Schaffer, M. & Harrell, A. (November 2004). Impact of JOD Probation Review Hearings in Milwaukee. Paper presented at the annual meeting of the American Society of Criminology, Nashville, Tennessee.

#### Media

- The Verge. (2019, May 29). Another Study Finds Teen Suicide Rates Rose Just After 13 Reasons Why Debut. [Press release quoting **Chesin** and reviewing findings of the JACH article]. Retrieved from https://www.theverge.com/2019/5/29/18644448/netflix-13-reasons-why-teensuicide-rates-rise
- Vox. (2019, May 3). Why It's So Hard to Prove that 13 Reasons Why Caused an Increase in Suicide [Press release quoting **Chesin** and reviewing findings of the JACH article]. Retrieved from https://www.vox.com/culture/2019/5/3/18522559/13-reasons-why-netflix-youth-suicide-rate

Chesin, M. (March 2019). Does Watching 13 Reasons Why Increase Suicide Risk Among Youth? Blog post for the Youth Suicide Research Consortium Blog. http://blog.youthsuicideresearch.org/2019/03/07/does-watching-13-reasons-why-increasesuicide-risk-among-youth/

AFSP Staff. (December 2018). Combining Mindfulness-Based Cognitive Therapy with Safety Planning Intervention to Reduce Suicidal Behavior: An Overview of Findings from Dr. Chesin's Fellowship Award. Blog post on the AFSP Lifesaver Blog. https://afsp.org/combining-mindfulness-based-cognitive-therapy-safety-planning-interventionreduce-suicidal-behavior/

### **Teaching Experience & Mentoring**

| 2015-present          | Full, Associate, Assistant Professor                                |
|-----------------------|---|
| _                     | William Paterson University, Wayne, NJ                              |
|                       | PSY 7012-Internship (Graduate)                                      |
|                       | PSY 2030-Research Methods (Undergraduate)                           |
|                       | PSY 3500-Theories of Personality (Undergraduate)                    |
|                       | PSY 6400-Psychopathology (Graduate)                                 |
|                       | PSY 6850-Cognitive Behaivoral Therapy (Graduate)                    |
|                       | PSY 7850-Theories of Psychotherapy and Personality (Graduate)       |
| 2011-2012             | Lecturer  |
|                       | Columbia University, Department of Psychiatry, New York, NY         |
|                       | Institute for Contemporary Psychotherapy, The Center for the Study  |
|                       | of Anorexia and Bulimia, New York, NY                               |
|                       | Introduction to Dialectical Behavior Therapy (Graduate, 3 sections) |
| 2007-2009             | Adjunct Assistant Professor   |
|                       | CUNY-John Jay College of Criminal Justice, New York, NY             |
|                       | PSYC 242- Abnormal Psychology (Undergraduate, 2 sections)           |
|                       | PSYC 311- Research Methods (Undergraduate, 4 sections)              |
| 2005-2007             | Teaching Assistant  |
|                       | CUNY-John Jay College of Criminal Justice, New York, NY             |
|                       | PSYC 101 - Introduction to Psychology                               |
|                       | PSYC 200 - Introduction to Cognitive Psychology                     |
|                       | PSYC 311 - Research Methods   |
| <b>Professional O</b> | rganizations, Societies and Service                                 |
| Memberships           | American Psychological Society                                      |
|                       | American Psychological Association                                  |
|                       | Association for Behavioral and Cognitive Therapies                  |

# American Association of Suicidology

| Internal Positions        |  |  |
|---------------------------|--|--|
| Department Level          | Des susan Director Barr ann  |  |
| 2021<br>2020-2021         | Program Director, PsyD program   |  |
| 2019-2020                 | Chair, Psychology Department Search Committee  |  |
|                           | Member, Psychology Department Search Committee (Chairperson line)  |  |
| 2018-2021<br>2017-2019    | Director of Clinical Training, PsyD program  |  |
| 2017-2019                 | Co-chair, Member Psychology Department Experiential Learning Committee   |  |
| 2017-2018 2016-2019       | Member, Psychology Department Budget & Space Committee<br>Co-chair, Member, Psychology Department Assessment Committee |  |
| 2016-2019                 | Member, Psychology Department Search Committee (2 tenure-track lines)  |  |
| 2015-2016                 | Undergraduate Psychology Student Advisor   |  |
| 2013-2016<br>2015-present |  |  |
| 2013-present              | Faculty member who is dedicated to the PsyD Program  |  |
| College Level             |  |  |
| 2018-present              | Member, Digital Liberal Arts Collaboratory Committee   |  |
| 2017-2019                 | Representative, Psychology Department Assessment Committee   |  |
| University Level          |  |  |
| 2020                      | Faculty Participant, Admissions Yield Campaign   |  |
| 2019                      | Faculty Participant, Commencement, Graduate Ceremony   |  |
| 2017-present              | Co-chair, Member Faculty Senate Technology Council   |  |
| 2017-2018                 | Member, Teaching Across Curriculum Committee   |  |
| External Positions        |  |  |
| 2019-present              | Scientific Advisor, American Foundation for Suicide Prevention   |  |
| 2018-present              | Founding Member, Youth Suicide Research Consortium   |  |
| 2012-2015                 | NYS Office of Mental Health, Suicide Prevention Steering Committee   |  |
|                           | Member   |  |
| 2009-2011                 | Ad Hoc Grant Reviewer, PSC-CUNY  |  |
| 2008                      | Consultant for the Research & Statistics Peer Consultation Program   |  |
| 2007-2008                 | Student Representative to the Colloquium Committee for the Forensic  |  |
|                           | Psychology Doctoral Program  |  |
| 2005-2006                 | Student Representative to the Executive Committee for the Forensic   |  |
|                           | Psychology Doctoral Program  |  |
| 2005-2006                 | Voting Member on the Executive Committee for the Forensic Psychology   |  |
|                           | Doctoral Student Council   |  |
| 2001                      | Vice President of the Student Council, Multi-Cultural Affairs  |  |
| 2001                      | President of the Economics Club  |  |
| 1997-2001                 | President and Co-Founder of Beledi   |  |
| Editorial                 | Consulting Editor Archives of Suicide Research   |  |
|                           | Editorial Board Journal of Latinx Psychology   |  |

Student Editor Journal of Cognitive Psychotherapy Ad Hoc Reviewer Archives of Suicide Research Aggressive Behavior Comprehensive Psychiatry *Crime & Delinquency* Child and Adolescent Psychiatry and Mental Health Emerging Adulthood International Journal of Behavioral Development International Journal of Psychology Personality Disorders: Theory, Research, and Treatment JAMA Psychiatry Journal of Affective Disorders Journal of American College Health **OBM** Integrative and Complementary Medicine PLOS ONE Psychiatry Research Trauma Cases and Reviews **BMC** Family Practice

### **Certifications & Licensure**

| 2015                     | Licensure in Psychology, New Jersey  |
|--------------------------|--|
| 2014                     | Licensure in Psychology, New York  |
| 2010, 2014               | <b>Mindfulness-Based Cognitive Therapy</b> : A 5-Day Professional<br>Training for the Prevention of Depression Relapse. Zindel Segal, Ph.D.,<br>& Susan Woods, MSW, LCSW. Rhinebeck, NY. 2010. |
|                          | Advanced Teacher Training for MBSR and MBCT Teachers. Susan Woods, MSW, LCSW, & Char Wilkins, MSW, LCSW. Batavia, NY. 2014.  |
| 2010                     | Five-Day Foundational <b>Dialectical Behavior Therapy</b> (DBT)<br>Training Course. Behavioral Tech, LLC. Holyoke, MA. 2010.   |
| 2005-present             | 200-Hour <b>Yoga Teacher</b> Training Program. Down Dog Yoga. Washington, DC. 2005.  |
| <b>Clinical Experien</b> | ice  |

### 2013-2015 Mindfulness-Based Cognitive Therapy Therapist Columbia University, New York, NY AFSP-funded grant (PI: Chesin)

#### Megan S. Chesin 19 May 22, 2023

| 2010-2012 | <b>Dialectical Behavior Therapy (DBT) Therapist</b><br>New York State Psychiatric Institute, New York, NY<br>NIMH-funded (R01) treatment trial (PI: Stanley)             |
|-----------|--|
| 2008-2009 | <b>DBT Therapist</b><br>DBT Psychotherapy Associates, New York, NY   |
| 2008-2009 | <b>DBT Therapist</b><br>CUNY-John Jay College, New York, NY<br>NIMH-funded (R34) treatment trial (PIs: Rosenfeld, Galietta, Ivanoff)                                     |
| 2008      | <b>Neuropsychological Assessment Trainee</b><br>Bellevue Hospital Center, New York, NY   |
| 2007-2009 | Child IQ Tester<br>Prep for Prep, New York, NY   |
| 2007-2008 | <b>CT Therapist</b><br>American Institute for Cognitive Therapy, New York, NY  |
| 2006-2008 | <b>Cognitive Therapy (CT) Supervisor, CT Therapist, Assessor</b><br>CUNY-John Jay College, New York, NY<br>AFSP-funded grant (PI: Jeglic)                                |
| 2006-2007 | <b>Diagnostic &amp; Neuropsychological Assessment Trainee</b><br>New York State Psychiatric Institute, New York, NY<br>NIMH-funded (R01) prospective study (PI: Stanley) |

## **Other Relevant Skills**

Adherence rater: MBCT, Safety Planning Intervention

Additional treatment modalities: Acceptance & Commitment Therapy, CT adaptations for emerging adults & Latinas

Selected diagnostic, clinical & neuropsychological assessment proficiencies: SCID- I, SCID-II; Suicide and depression rating scales including HAM-D, MADRS, C-SSRS, Beck Scale of Suicidal Ideation, & Suicide Intent Scale; WAIS-III, WISC-IV; Neuropsychological tests including Stroop, Nback, Go-no-go; Forensic assessment instruments including VIP, PCL-R, MacCAT-CA Statistical software: SAS, SPSS, AMOS

Neuropsychological and physiological data acquisition & analysis software: E-prime, LabChart