

September 1, 2012

### **MAYSI-2 Research Classified**

The following list of journal publications using the MAYSI-2 is classified according to research questions that the studies address. All are studies involving data collection to test hypotheses. All involved adolescents in the age range of 11-18. All data were collected in juvenile justice settings: arrest/intake probation, pretrial detention, juvenile corrections, or juvenile justice psychiatric units. The list includes one unpublished dissertation study because of its large sample size (Maney, 2011: 54,716). The other largest data sets included 70,423 from 19 states and over 90 facilities (Vincent et al., 2008), and 18,607 in one state (Cauffman, 2004). The remaining studies had sample sizes ranging from 29 to 7,746 (average = 1,336).

This list of articles is “unselected.” It describes studies that demonstrate both strengths and weaknesses of the MAYSI-2 scales. As with any psychological tool, the MAYSI-2 cannot be described simply as “reliable” or “valid.” It is highly reliable and valid for some populations and when used in some settings, but it is less so for others, and this distinction varies for different MAYSI-2 scales.

#### **Relation of MAYSI-2 to Conceptually Parallel Validated Tools and DISC-Based Diagnosis**

Archer, R., Simonds-Bisbee, E., Spiegel, D., Handel, R., & Elkins, D. (2010). Validity of the Massachusetts Youth Screening Instrument-2 (MAYSI-2) in juvenile justice settings. *Journal of Personality Assessment*, 92, 337-348. doi: 10.1080/00223891.2010.482009

Butler, M., Loney, B., & Kistner, J. (2007). The Massachusetts Youth Screening Instrument as a predictor of institutional maladjustment in severe male juvenile offenders. *Criminal Justice and Behavior*, 34, 476-492. doi: 10.1177/0093854806291711

Chapman, J., & Ford, J. (2008). Relationships between suicide risk, traumatic experiences, and substance use among juvenile detainees. *Archives of Suicide Research*, 12(1), 50-61. doi: 10.1080/13811110701800830

Grisso, T., Barnum, R., Fletcher, K. E., Cauffman, E., & Peuschold, D. (2001). Massachusetts Youth Screening Instrument for Mental Health Needs of Juvenile Justice Youths. *Journal of the American Academy of Child & Adolescent Psychiatry*, 40(5), 541-548. doi:10.1097/00004583-200105000-00013

Hayes, M., McReynolds, L., & Wasserman, G. (2005). Paper and voice MAYSI-2: Format comparability and concordance with the Voice DISC-IV. *Assessment*, 12, 395-403. doi:10.1177/1073191105280359

Tille, J., & Rose, J. (2007). Emotional and behavioral problems of 13-to-18-year-old incarcerated female first-time offenders and recidivists. *Youth Violence and Juvenile Justice*, 5, 426-435. doi: 10.1177/1541204007300355

Wasserman, G., McReynolds, L., Ko, S., Katz, L., Cauffman, E., Haxton, W., Lucas, C. (2004a). Screening for emergent risk and service needs among incarcerated youth: comparing the MAYSI-2 and voice DISC-IV. *Journal of American Academy of Child and Adolescent Psychiatry*, 43, 629-639. doi: 10.1097/01.chi.0000116742.71662.b1

Wasserman, G., Vilhauer, J., McReynolds, L., Shoai, R., & John, R. (2004b). Mental health screening in the juvenile justice system: A comparison between the Voice-DISC-IV and the MAYSI-2. *Journal for Juvenile Justice Services* 19, 7-17.

### **Relation to Other Criteria for Mental Health Problems (e.g., mental health history)**

Archer, R., Sionds-Bisbee, E., Spiegel, D., Handel, R., & Elkins, D. (2010). Validity of the Massachusetts Youth Screening Instrument-2 (MAYSI-2) in juvenile justice settings. *Journal of Personality Assessment*, 92, 337-348. doi: 10.1080/00223891.2010.482009

Caldwell, R., Sturges, S., & Silver, N. (2006). Home versus school environments and their influences on the affective and behavioral states of African-American, Hispanic, and Caucasian juvenile offenders. *Journal of Child and Family Studies*, 16, 125-138. doi: 10.1007/s10826-006-9073-6

Cruise, K., Dandreaux, D., Marsee, M., DePrato, D. (2008). Identification of critical items on the Massachusetts Youth Screening Instrument-2 (MAYSI-2) in incarcerated youth. *The International Journal of Forensic Mental Health*, 7, 121-132. doi: 10.1080/14999013.2008.9914409

Lopez-Williams, A., Vander Stoep, A., Kuo, A., & Stewart, D. (2006). Predictors of mental health service enrollment among juvenile offenders. *Youth Violence and Juvenile Justice*, 4(3), 266-280. doi: 10.1177/1541204006290159

Newbauer, J., & Stone, M. (2010). Social interest and self-reported distress in a delinquent sample: Application of the SSSI and the MAYSI-2. *The Journal of Individual Psychology*, 66(2), 201-215.

Vaughn, M., Freedenthal, S., Jenson, J., & Howard, M., (2007). Psychiatric symptoms and substance use among juvenile offenders: a latent profile investigation. *Criminal Justice and Behavior*, 34(10), 1296-1312. doi: 10.1177/0093854807304624

### **Relation to Suicide History and Other Suicide Risk Indicators**

Archer, R., Sionds-Bisbee, E., Spiegel, D., Handel, R., & Elkins, D. (2010). Validity of the Massachusetts Youth Screening Instrument-2 (MAYSI-2) in juvenile justice settings. *Journal of Personality Assessment*, 92, 337-348. doi: 10.1080/00223891.2010.482009

Archer, R. P., Stredny, R. V., Mason, J. A., & Arnau, R. C. (2004). An examination and replication of the psychometric properties of the Massachusetts Youth Screening Instrument - Second Edition (MAYSI-2) among adolescents in detention. *Assessment*, 11, 1-13. doi:10.1177/1073191104269863

Plattner, B., The, S., Kraemer, H., Williams, R., Bauer, S., Kindler, J., Feucht, M., Friedrich, M., & Steiner, H. (2007). Suicidality, psychopathology, and gender in incarcerated adolescents in Austria. *Journal of Clinical Psychiatry*, 68(10), 1593-1600.

Sheehan, D., Sheehan, K., Shytle, R., Janavs, J., Bannon, Y., Rogers, J., Milo, K., Stock, S., & Wilkinson, B. (2010). Reliability and validity of the Mini International Neuropsychiatric Interview for Children and Adolescents (MINI-KID). *Journal of Clinical Psychiatry*, 71(3), 313-26. doi: 10.1176/appi.ps.54.3.377

Wasserman, G. , McReynolds, L., Ko, S. , Katz, L. , Cauffman, E., Haxton, W., Lucas, C. (2004a). Screening for emergent risk and service needs among incarcerated youth: comparing the MAYSI-2 and voice DISC-IV. . *Journal of American Academy of Child and Adolescent Psychiatry*, *43*, 629-639. doi: 10.1097/01.chi.0000116742.71662.b1

Wasserman, G., Vilhauer, J., McReynolds, L., Shoai, R., & John, R. (2004b). Mental health screening in the juvenile justice system: A comparison between the Voice-DISC-IV and the MAYSI-2. *Journal for Juvenile Justice Services* *19*, 7-17.

### **Relation to Violent Offenses, Recidivism, and Infractions While in Custody**

Bender, K., Perron, B., Howard, M., & Jenson, J. (2010). Strong-arm bullying behavior prior to incarceration among a sample of young offenders. *Journal of the Society for Social Work and Research*, *1*, 1-13.

Butler, M., Loney, B., & Kistner, J. (2007). The Massachusetts Youth Screening Instrument as a predictor of institutional maladjustment in severe male juvenile offenders. *Criminal Justice and Behavior*, *34*, 476-492. doi: 10.1177/0093854806291711

DeLisi, M., Caudill, J., Trulson, C., Marquart, J., Vaugh, M., & Beaver, K. (2010a). Angry inmates are violent inmates: A Poisson regression approach to youthful offenders. *Journal of Forensic Psychology Practice*, *10*, 419-439. doi: 10.1080/15228932.2010.489861

Garland, E, & Howard, M (2010a). Inhalation of computer duster spray among adolescents: An emerging public health threat? *The American Journal of Drug and Alcohol Abuse*, *36*, 320-324. doi: 10.3109/00952990.2010.504874

Hickle, K., & Roe-Sepowitz, D. (2010). Female juvenile arsonists: An exploratory look at characteristics and solo and group arson offences. *Legal and Criminological Psychology*, *15*, 385-399. doi: 10.1348/135532509X473913

Maney, S. (2011). *Violent and nonviolent juvenile offenders: Comparisons concerning self-report of mental health symptoms and response styles* . Unpublished doctoral dissertation. Massachusetts School of Professional Psychology, Boston, MA.

Marczyk, G. , Heilbrun, K., Lander, T., & DeMatteo, D. (2003). Predicting juvenile recidivism with the PCL:YV, MAYSI, and YLS/CMI. *International Journal of Forensic Mental Health*, *2*(1), 7-18.

Roe-Sepowitz, D. (2007). Adolescent female murderers: Characteristics and treatment implications. *American Journal of Orthopsychiatry*, *77*(3), 489-496. doi: 10.1037/0002-9432.77.3.489

Toney-Smith, S., Edens, J. F., & Vaghn, M. G. (2011). Assessing the external correlates of the alternative factor models of the psychopathic personality inventory – short form across three samples. *Journal of Personality Assessment*, *93*, 244-256. doi: 10.1080/00223891.2011.558876

### Internal Consistency and Rasch Analyses

Archer, R. P., Stredny, R. V., Mason, J. A., & Arnau, R. C. (2004). An examination and replication of the psychometric properties of the Massachusetts Youth Screening Instrument - Second Edition (MAYSI-2) among adolescent in detention. *Assessment*, 11, 1-13. doi:10.1177/107319110426986

Butler, M., Loney, B., & Kistner, J. (2007). The Massachusetts Youth Screening Instrument as a predictor of institutional maladjustment in severe male juvenile offenders. *Criminal Justice and Behavior*, 34, 476-492. doi: 10.1177/0093854806291711

Cauffman, E., & MacIntosh, R. (2006). A Rasch differential item functioning analysis of the Massachusetts Youth Screening Instrument: Identifying race and gender differential item functioning among juvenile offenders. *Educational and Psychological Measurement*, 66, 502-521. doi:10.1177/0013164405282460

Ford, J., Chapman, J., Pearson, G., Borum, R., & Wolpaw, J. (2007). Psychometric status and clinical utility of the MAYSI-2 with girls and boys in juvenile detention. *Journal of Psychopathology and Behavioral Assessment*, 30, 87-99. doi:10.1007/s10862-007-9058-9

Grisso, T., Barnum, R., Fletcher, K. E., Cauffman, E., & Peuschold, D. (2001). Massachusetts Youth Screening Instrument for Mental Health Needs of Juvenile Justice Youths. *Journal of the American Academy of Child & Adolescent Psychiatry*, 40(5), 541-548. doi:10.1097/00004583-200105000-00013

Hayes, M., McReynolds, L., & Wasserman, G. (2005). Paper and voice MAYSI-2: Format comparability and concordance with the Voice DISC-IV. *Assessment*, 12, 395-403. doi:10.1177/1073191105280359

Osterlind, S., Koller, J., & Morris, E. (2007). Incidence and practical issues of mental health for school-aged youth in juvenile justice detention. *Journal of Correctional Health Care*, 13, 268-277. doi:10.1177/1078345807306802

### MAYSI-2 Differences Between Ages, Genders and Race/Ethnicities

Archer, R., Sionds-Bisbee, E., Spiegel, D., Handel, R., & Elkins, D. (2010). Validity of the Massachusetts Youth Screening Instrument-2 (MAYSI-2) in juvenile justice settings. *Journal of Personality Assessment*, 92, 337-348. doi: 10.1080/00223891.2010.482009

Cauffman, E. (2004). A statewide screening of mental health symptoms among juvenile offenders in detention. *Journal of the American Academy of Child & Adolescent Psychiatry*, 43(4), 430-439. doi:10.1097/00004583-200404000-00009

Cauffman, E., & MacIntosh, R. (2006). A Rasch differential item functioning analysis of the Massachusetts Youth Screening Instrument: Identifying race and gender differential item functioning among juvenile offenders. *Educational and Psychological Measurement*, 66, 502-521. doi:10.1177/0013164405282460

Dalton, R., Evans, L., Cruise, K., Feinstein, R., & Kendrick, R. (2009). Race differences in mental health access in a secure male juvenile justice facility. *Journal of Offender Rehabilitation*, 48, 194-209. doi: 10.1080/10509670902766570

Grisso, T., Barnum, R., Fletcher, K. E., Cauffman, E., & Peuschold, D. (2001). Massachusetts Youth Screening Instrument for Mental Health Needs of Juvenile Justice Youths. *Journal of the American Academy of Child & Adolescent Psychiatry*, 40(5), 541-548. doi:10.1097/00004583-200105000-00013

Maney, S. (2011). *Violent and nonviolent juvenile offenders: Comparisons concerning self-report of mental health symptoms and response styles*. Unpublished doctoral dissertation. Massachusetts School of Professional Psychology, Boston, MA.

McCoy, H. (2010). Using cognitive interviewing to explore causes for racial differences on the MAYSI-2. *Crime & Delinquency*. Advance online publication. doi: 10.1177/0011128710388922

McCoy, H. (2011). A path analysis of factors influencing racial differences on the MAYSI-2. *Journal of Offender Rehabilitation*, 50, 119-141. doi: 10.1080/10509674.2011.560549

Osterlind, S., Koller, J., & Morris, E. (2007). Incidence and practical issues of mental health for school-aged youth in juvenile justice detention. *Journal of Correctional Health Care*, 13, 268-277. doi:10.1177/1078345807306802

Stathis, S., Letters, P., Doolan, I., Fleming, R., Heath, K., Arnett, A., and Cory, S. (2008). Use of the Massachusetts Youth Screening Instrument to assess mental health problems in young people within an Australian youth detention centre. *Journal of Pediatrics and Child Health*, 44, 438-443. doi:10.1111/j.1440-1754.2008.01324.x

Stewart, D., & Trupin, E. (2003). Clinical utility and policy implication of a statewide mental health screening process for juvenile offenders. *Psychiatric Services*, 54(3), 377-382. doi: 10.1176/appi.ps.54.3.377

Vincent, G., Grisso, T., Terry, A., & Banks, S. (2008). Sex and race differences in mental health symptoms in juvenile justice: The MAYSI-2 national meta-analysis. *Journal of the American Academy of Child and Adolescent Psychiatry*, 47, 282-290.

### **Differences between Types of Juvenile Justice Settings (e.g., intake probation, detention, corrections)**

Archer, R., Sionds-Bisbee, E., Spiegel, D., Handel, R., & Elkins, D. (2010). Validity of the Massachusetts Youth Screening Instrument-2 (MAYSI-2) in juvenile justice settings. *Journal of Personality Assessment*, 92, 337-348. doi: 10.1080/00223891.2010.482009

Cauffman, E., Lexcen, F., Goldweber, A, Shulman, E., & Grisso, T. (2007). Gender differences in mental health symptoms among delinquent and community youth. *Youth Violence and Juvenile Justice*, 5, 287-307. doi: 10.1177/1541204007301292

Grisso, T., Barnum, R., Fletcher, K. E., Cauffman, E., & Peuschold, D. (2001). Massachusetts Youth Screening Instrument for Mental Health Needs of Juvenile Justice Youths. *Journal of the American Academy of Child & Adolescent Psychiatry*, 40(5), 541-548. doi:10.1097/00004583-200105000-00013

Maney, S. (2011). *Violent and nonviolent juvenile offenders: Comparisons concerning self-report of mental health symptoms and response styles*. Unpublished doctoral dissertation. Massachusetts School of Professional Psychology, Boston, MA.

Murrie, D., Henderson, C., Vincent, G., Rockett, J., & Mundt, C. (2009). Psychiatric symptoms among juveniles incarcerated in adult prison. *Psychiatric Services, 60*, 1092-1097.  
doi: 10.1176/appi.ps.60.8.1092