

Resilience Advantage™ Program Bibliography

Program Introduction Module

- Lemaire, J.B., Wallace J E, Lewin A M, de Groot J, Schaefer J P, *The effect of a biofeedback-based stress-management tool on physician stress: a randomized controlled clinical trial.* Open Medicine, 2011. 5(4): p. 154-163.
- Britt Pipe, T., et al., *Building Personal and Professional Resources of Resilience and Agility in the Healthcare Workplace*, in Stress Health. 2011, Wiley Online Library.
- McCraty, R., et al., *New Hope for Correctional Officers: An Innovative Program for Reducing Stress and Health Risks.* Appl Psych and Biofeedback 2009. 34(4): p. 251-272.
- McCraty, R. and M. Atkinson, *Resilience Training Program Reduces Physiological and Psychological Stress in Police Officers.* Global Advances in Health and Medicine, 2012. 1(5): p. 44-66.
- Bradley, R.T., McCraty, R., Atkinson, M., Tomasino., D., *Emotion Self-Regulation, Psychophysiological Coherence, and Test Anxiety: Results from an Experiment Using Electrophysiological Measures.* Applied Psychophysiology and Biofeedback, 2010. 35(4): p. 261-283.
- Arguelles, L., R. McCraty, and R.A. Rees, *The heart in holistic education.* Encounter: Education for Meaning and Social Justice, 2003. 16(3): p. 13-21.
- McCraty, R., Childre, D, *Coherence: Bridging Personal, Social and Global Health.* Alternative Therapies in Health and Medicine, 2010. 16(4): p. 10-24.
- McCraty, R., et al., *The effects of emotions on short-term power spectrum analysis of heart rate variability.* American Journal of Cardiology, 1995. 76(14): p. 1089-1093.
- Umetani, K., et al., *Twenty-four hour time domain heart rate variability and heart rate: Relations to age and gender over nine decades.* Journal of the American College of Cardiology, 1998. 31(3): p. 593-601.
- McCraty, R., Atkinson, M., Tomasino, D., & Bradley, R. T, *The coherent heart: Heart-brain interactions, psychophysiological coherence, and the emergence of system-wide order.* Integral Review, 2009. 5(2): p. 10-115.
- McCraty, R., M. Atkinson, and D. Tomasino, *Impact of a workplace stress reduction program on blood pressure and emotional health in hypertensive employees.* J Altern Complement Med, 2003. 9(3): p. 355-69.
- McCraty, R., et al., *Analysis of twenty-four hour heart rate variability in patients with panic disorder.* Biological Psychology, 2001. 56: p. 131-150.
- McCraty, R. and D. Tomasino, *Emotional stress, positive emotions, and psychophysiological coherence*, in *Stress in Health and Disease*, B.B. Arnetz and R. Ekman, Editors. 2006, Wiley-VCH: Weinheim, Germany. p. 342-365.
- McCraty, R. and D. Tomasino, *Coherence-building techniques and heart rhythm coherence feedback: New tools for stress reduction, disease prevention, and rehabilitation*, in *Clinical Psychology and Heart Disease*, E. Molinari, A. Compare, and G. Parati, Editors. 2006, Springer-Verlag: Milan, Italy.
- McCraty, R. and D. Childre, *The grateful heart: The psychophysiology of appreciation*, in *The*

Psychology of Gratitude, R.A. Emmons and M.E. McCullough, Editors. 2004, Oxford University Press: New York. p. 230-255.

McCraty, R., et al., *The impact of a new emotional self-management program on stress, emotions, heart rate variability, DHEA and cortisol*. *Integr Physiol Behav Sci*, 1998. **33**(2): p. 151-70.

Resilience Module

Luthar, S.S. and D. Cicchetti, *The construct of resilience: Implications for interventions and social policies* *Dev Psychopathol*, 2000. **12**(4): p. 857-885.

McCraty, R. and M. Atkinson, *Resilience Training Program Reduces Physiological and Psychological Stress in Police Officers*. *Global Advances in Health and Medicine*, 2012. 1(5): p. 44-66.

Jonas, W.B., et al., *Why Total Force Fitness?* *Military Medicine*, 2010. **175**: p. 6-13.

Bates, M.J., et al., *Psychological Fitness*. *Military Medicine*, 2010. **175**: p. 21-38.

McCraty, R., Atkinson, M., Tomasino, D., & Bradley, R. T, *The coherent heart: Heart-brain interactions, psychophysiological coherence, and the emergence of system-wide order*. *Integral Review*, 2009. 5(2): p. 10-115.

Atmospheres Movie Module

Atmospheres movie: courtesy of advertising agency for Lufthansa – in public domain.

McCraty, R., Atkinson, M., Tomasino, D., & Bradley, R. T, *The coherent heart: Heart-brain interactions, psychophysiological coherence, and the emergence of system-wide order*. *Integral Review*, 2009. 5(2): p. 10-115.

Depleting and Renewing Emotions Module

Depleting Emotions

Kerr, D.S., et al., *Chronic stress-induced acceleration of electrophysiologic and morphometric biomarkers of hippocampal aging*. *Journal of Neuroscience*, 1991. **11**(5): p. 1316-1324.

Sapolsky, R.M., *Stress, the Aging Brain and the Mechanisms of Neuron Death*. 1992, Cambridge, MA: MIT Press.

Manolagas, S.C., D.C. Anderson, and R. Lindsay, *Adrenal steroids and the development of osteoporosis in the oophorectomized women*. *Lancet*, 1979. **2**(8143): p. 597-600.

Beme, R., *Physiology (3rd ed.)*. 1993, St. Louis: Mosby.

Hiemke, C., *Circadian variations in antigen-specific proliferation of human T lymphocytes and correlation to cortisol production*. *Psychoneuroendocrinology*, 1994. **20**: p. 335-342.

DeFeo, P., *Contribution of cortisol to glucose counterregulation in humans*. *American Journal of Physiology*, 1989. **257**: p. E35-E42.

Marin, P., et al., *Cortisol secretion in relation to body fat distribution in obese premenopausal women*. *Metabolism*, 1992. **41**: p. 882-886.

Renewing Emotions

Danner, D.D., D.A. Snowdon, and W.V. Friesen, *Positive emotions in early life and longevity: Findings from the nun study*. *Journal of Personality and Social Psychology*, 2001. 80(5): p. 804-813.

- Fredrickson, B.L., et al., *What good are positive emotions in crises? A prospective study of resilience and emotions following the terrorist attacks on the United States on September 11th, 2001*. *Journal of Personality and Social Psychology*, 2003. **84**(2): p. 365-376.
- Fredrickson, B.L. and T. Joiner, *Positive emotions trigger upward spirals toward emotional well-being*. *Psychological Science*, 2002. **13**(2): p. 172-175.
- Fredrickson, B.L., *The role of positive emotions in positive psychology. The broaden-and-build theory of positive emotions*. *American Psychologist*, 2001. **56**(3): p. 218-226.
- Ashby, F.G., A.M. Isen, and A.U. Turken, *A neuropsychological theory of positive affect and its influence on cognition*. *Psychol Rev*, 1999. **106**(3): p. 529-550.
- Isen, A.M., et al., *Affect, accessibility of material in memory, and behavior: a cognitive loop?* *J Pers Soc Psychol*, 1978. **36**(1): p. 1-12.
- Isen, A.M., *The influence of positive and negative affect on cognitive organization: Some implications for development*, in *Psychological and Biological Approaches to Emotion*, N. Stein, B. Leventhal, and T. Trabasso, Editors. 1990, Erlbaum: Hillsdale, NJ. p. 75-94.
- Isen, A.M., *Positive affect and decision making*, in *Handbook of Emotions*, M. Lewis and J.M. Haviland, Editors. 1993, Guilford: New York. p. 261-277.
- Rein, G., M. Atkinson, and R. McCraty, *The physiological and psychological effects of compassion and anger*. *Journal of Advancement in Medicine*, 1995. **8**(2): p. 87-105.
- McCraty, R., et al., *Music enhances the effect of positive emotional states on salivary IgA*. *Stress Medicine*, 1996. **12**(3): p. 167-175.
- Carnevale, P.J.D. and A.M. Isen, *The influence of positive affect and visual access on the discovery of integrative solutions in bilateral negotiations*. *Organizational Behavior and Human Decision Processes*, 1986. **37**: p. 1-13.
- Bolte, A., T. Goschke, and J. Kuhl, *Emotion and intuition: Effects of positive and negative mood on implicit judgments of semantic coherence*. *Psychological Science*, 2003. **14**(5): p. 416-421.
- Fredrickson, B.L. and T. Joiner, *Positive emotions trigger upward spirals toward emotional well-being*. *Psychological Science*, 2002. **13**(2): p. 172-175.
- Wright, T.A. and B.M. Staw, *In search of the happy/productive worker: A longitudinal study of affect and performance*. *Academy of Management Proceedings*, 1994: p. 274-278.
- Staw, B.M., R.I. Sutton, and L.H. Pelled, *Employee positive emotion and favorable outcomes at the workplace*. *Organization Science*, 1994. **5**(1): p. 51-71.

Inner-Ease™ Technique Module

Childre, Doc, *The State of Ease*, Institute of HeartMath,
<http://www.heartmath.org/state-of-ease>

The Physiology of Coherence and Optimal Functioning Module

Neurocardiology

- Armour, J.A., *Anatomy and function of the intrathoracic neurons regulating the mammalian heart*, in *Reflex Control of the Circulation*, I.H. Zucker and J.P. Gilmore, Editors. 1991, CRC Press: Boca Raton. p. 1-37.
- Armour, J.A., *Neurocardiology--Anatomical and functional principles*. 2003, Boulder Creek, CA: HeartMath Research Center, Institute of HeartMath, Publication No. 03-011.
- Armour, J.A. and J.L. Ardell, eds. *Neurocardiology*. 1994, Oxford University Press: New York.

Cameron, O.G., *Visceral Sensory Neuroscience: Interception*. 2002, New York: Oxford University Press.

McCraty, R., Atkinson, M., Tomasino, D., & Bradley, R. T, *The coherent heart: Heart-brain interactions, psychophysiological coherence, and the emergence of system-wide order*. Integral Review, 2009. **5**(2): p. 10-115.

McCraty, R., *Heart-brain neurodynamics: The making of emotions*. 2003, Boulder Creek, CA: HeartMath Research Center, Institute of HeartMath, Publication No. 03-015.

Lacey, J.I. and B.C. Lacey, *Two-way communication between the heart and the brain: Significance of time within the cardiac cycle*. American Psychologist, 1978(February): p. 99-113.

Heart Rate Variability

Umetani, K., et al., *Twenty-four hour time domain heart rate variability and heart rate: Relations to age and gender over nine decades*. Journal of the American College of Cardiology, 1998. **31**(3): p. 593-601.

McCraty, R., et al., *The effects of emotions on short-term power spectrum analysis of heart rate variability*. American Journal of Cardiology, 1995. **76**(14): p. 1089-1093.

McCraty, R. and A. Watkins, *Autonomic Assessment Report Interpretation Guide*. 1st ed. 1996, Boulder Creek, CA: Institute of HeartMath.

Singer, D.H., *High heart rate variability, marker of healthy longevity*. Am J Cardiol. **106**(6): p. 910.

Heart Rhythm Coherence

McCraty, R., Atkinson, M., Tomasino, D., & Bradley, R. T, *The coherent heart: Heart-brain interactions, psychophysiological coherence, and the emergence of system-wide order*. Integral Review, 2009. **5**(2): p. 10-115.

McCraty, R., Childre, D, *Coherence: Bridging Personal, Social and Global Health*. Alternative Therapies in Health and Medicine, 2010. **16**(4): p. 10-24.

McCraty, R., et al., *The effects of emotions on short-term power spectrum analysis of heart rate variability*. American Journal of Cardiology, 1995. **76**(14): p. 1089-1093.

Tiller, W.A., R. McCraty, and M. Atkinson, *Cardiac coherence: A new, noninvasive measure of autonomic nervous system order*. Alternative Therapies in Health and Medicine, 1996. **2**(1): p. 52-65.

Thayer, J.F., et al., *Heart rate variability, prefrontal neural function, and cognitive performance: the neurovisceral integration perspective on self-regulation, adaptation, and health*. Ann Behav Med, 2009. **37**(2): p. 141-53.

Ginsberg, J.P., Berry, M.E., Powell, D.A., *Cardiac Coherence and PTSD in Combat Veterans*. Alternative Therapies in Health and Medicine, 2010. **16**(4): p. 52-60.

Lloyd, A., Brett, D., Wesnes, K., *Coherence Training Improves Cognitive Functions and Behavior In Children with ADHD*. Alternative Therapies in Health and Medicine, 2010. **16**(4): p. 34-42.

Bradley, R.T., McCraty, R., Atkinson, M., Tomasino., D., *Emotion Self-Regulation, Psychophysiological Coherence, and Test Anxiety: Results from an Experiment Using Electrophysiological Measures*. Applied Psychophysiology and Biofeedback, 2010. **35**(4): p. 261-283.

Depletion to Renewal™ Module

McCraty, R., et al., *The impact of a new emotional self-management program on stress,*

emotions, heart rate variability, DHEA and cortisol. Integr Physiol Behav Sci, 1998. **33**(2): p. 151-70.

Pribram, K.H. and D. McGuinness, *Arousal, activation, and effort in the control of attention.* Psychological Review, 1975. **82**(2): p. 116-149.

Heart-Focused Breathing™ and Quick Coherence® Technique Modules

Childre, D. and D. Rozman, *Transforming Stress: The HeartMath Solution to Relieving Worry, Fatigue, and Tension.* 2005, Oakland, CA: New Harbinger Publications.

McCraty, R. and D. Tomasino, *Coherence-building techniques and heart rhythm coherence feedback: New tools for stress reduction, disease prevention, and rehabilitation, in Clinical Psychology and Heart Disease,* E. Molinari, A. Compare, and G. Parati, Editors. 2006, Springer-Verlag: Milan, Italy.

McCraty, R. and D. Childre, *The grateful heart: The psychophysiology of appreciation,* in The Psychology of Gratitude, R.A. Emmons and M.E. McCullough, Editors. 2004, Oxford University Press: New York. p. 230-255.

McCraty, R., et al., *The impact of a new emotional self-management program on stress, emotions, heart rate variability, DHEA and cortisol.* Integr Physiol Behav Sci, 1998. **33**(2): p. 151-70.

Pribram, K.H. and D. McGuinness, *Arousal, activation, and effort in the control of attention.* Psychological Review, 1975. **82**(2): p. 116-149.

Building and Sustaining Resilience Module

McCraty, R. and M. Atkinson, *Resilience Training Program Reduces Physiological and Psychological Stress in Police Officers.* Global Advances in Health and Medicine, 2012. 1(5): p. 44-66.

Practical Intuition Module

McCraty, R., M. Atkinson, and R.T. Bradley, *Electrophysiological evidence of intuition: Part 1. The surprising role of the heart.* Journal of Alternative and Complementary Medicine, 2004. **10**(1): p. 133-143.

McCraty, R., M. Atkinson, and R.T. Bradley, *Electrophysiological evidence of intuition: Part 2. A system-wide process?* Journal of Alternative and Complementary Medicine, 2004. **10**(2): p. 325-336.

Bradley, R.T., *Psychophysiology of Intuition: A quantum-holographic theory on nonlocal communication.* World Futures: The Journal of General Evolution, 2007. **63**(2): p. 61-97.

Bradley, R.T., et al., *Nonlocal Intuition in Entrepreneurs and Non-entrepreneurs: Results of Two Experiments Using Electrophysiological Measures.* International Journal of Entrepreneurship and Small Business, 2011. **12**(3): p. 343-372.

McCraty, R.R., R., *Heart-Brain Connection,* in *The encyclopedia of positive psychology,* S.J.E. Lopez, Editor. 2009, Blackwell Publishing: London. p. 998471-473.

Radin, D.I., *Unconscious perception of future emotions: An experiment in presentiment.* Journal of Scientific Exploration, 1997. 11(2): p. 163-180.

Radin, D.I., et al., *Electrocortical activity prior to unpredictable stimuli in meditators and nonmeditators.* Explore (NY), 2011. 7(5): p. 286-99.

Radin, D. and A. Borges, *Intuition through time: what does the seer see?* Explore (NY), 2009. 5(4): p. 200-11.

Radin, D., et al., *Compassionate intention as a therapeutic intervention by partners of cancer patients: effects of distant intention on the patients' autonomic nervous system.* Explore (NY), 2008. 4(4): p. 235-43.

Radin, D.I. and M.J. Schlitz, *Gut feelings, intuition, and emotions: an exploratory study.* J Altern Complement Med, 2005. 11(1): p. 85-91.

Bierman, D.J. and D.I. Radin, *Anomalous anticipatory response on randomized future conditions.* Percept Mot Skills, 1997. 84(2): p. 689-90.

Radin, D.I., *Event-related electroencephalographic correlations between isolated human subjects.* J Altern Complement Med, 2004. 10(2): p. 315-23.

Freeze Frame® Technique Module

Childre, D. and D. Rozman, *Transforming Stress: The HeartMath Solution to Relieving Worry, Fatigue, and Tension.* 2005, Oakland, CA: New Harbinger Publications.

Childre, D. and D. Rozman, *Transforming Anger: The HeartMath Solution for Letting Go of Rage, Frustration, and Irritation.* 2003, Oakland, CA: New Harbinger Publications.

Childre, D. and H. Martin, *The HeartMath Solution.* 1999, San Francisco: Harper San Francisco.

Relational Energetics Module

McCraty, R., *The energetic heart: Bioelectromagnetic communication within and between people,* in *Bioelectromagnetic Medicine*, P.J. Rosch and M.S. Markov, Editors. 2004, Marcel Dekker: New York. p. 541-562.

McCraty, R., et al. *The Electricity of Touch: Detection and measurement of cardiac energy exchange between people.* in *The Fifth Appalachian Conference on Neurobehavioral Dynamics: Brain and Values.* 1996. Radford VA: Lawrence Erlbaum Associates, Inc. Mahwah, NJ.

McCraty, R., Atkinson, M., Tomasino, D., & Bradley, R. T, *The coherent heart: Heart-brain interactions, psychophysiological coherence, and the emergence of system-wide order.* Integral Review, 2009. 5(2): p. 10-115.

McCraty, R., Childre, D, *Coherence: Bridging Personal, Social and Global Health.* Alternative Therapies in Health and Medicine, 2010. 16(4): p. 10-24.

Morris, S.M., *Facilitating collective coherence: Group Effects on Heart Rate Variability Coherence and Heart Rhythm Synchronization.* Alternative Therapies in Health and Medicine, 2010. 16(4).

McCraty, R., A. Deyhle, and D. Childre, *The Global Coherence Initiative: creating a coherent planetary standing wave.* Global Advances in Health and Medicine 2012. 1(1): p. 62-75.

Morris, S.M., *Facilitating collective coherence: Group Effects on Heart Rate Variability Coherence and Heart Rhythm Synchronization.* Alternative Therapies in Health and Medicine, 2010. 16(4).

Energetics of Communication Module

Rosenstein, A., O' Daniel, M., *A Survey of the Impact of Disruptive Behaviors and Communication Defects on Patient Safety*. The Joint Commission Journal on Quality and Patient Safety, 2008. 34(8): p. 464-471.

McCraty, R., *The energetic heart: Bioelectromagnetic communication within and between people*, in Bioelectromagnetic Medicine, P.J. Rosch and M.S. Markov, Editors. 2004, Marcel Dekker: New York. p. 541-562.

Morris, S.M., *Facilitating collective coherence: Group Effects on Heart Rate Variability Coherence and Heart Rhythm Synchronization*. Alternative Therapies in Health and Medicine, 2010. 16(4).

Britt Pipe, T., et al., *Building Personal and Professional Resources of Resilience and Agility in the Healthcare Workplace*, in Stress Health. 2011, Wiley Online Library.

McCraty, R., et al., *New Hope for Correctional Officers: An Innovative Program for Reducing Stress and Health Risks*. Appl Psych and Biofeedback 2009. 34(4): p. 251-272.

McCraty, R. and M. Atkinson, *Resilience Training Program Reduces Physiological and Psychological Stress in Police Officers*. Global Advances in Health and Medicine, 2012. 1(5): p. 44-66.

McCraty, R., Childre, D., *Coherence: Bridging Personal, Social and Global Health*. Alternative Therapies in Health and Medicine, 2010. 16(4): p. 10-24.

Establishing a New Baseline Module

McCraty, R., *Heart-brain neurodynamics: The making of emotions*. 2003, Boulder Creek, CA: HeartMath Research Center, Institute of HeartMath, Publication No. 03-015.

Pribram, K.H., *The new neurology and the biology of emotion: A structural approach*. American Psychologist, 1967. 22(10): p. 830-838.

Pribram, K.H., *Feelings as monitors, in Feelings and Emotions*, M.B. Arnold, Editor. 1970, Academic Press: New York. p. 41-53.

Pribram, K.H., *Languages of the Brain: Experimental Paradoxes and Principals in Neuropsychology*. 1971, New York: Brandon House.

Pribram, K.H., *Emotions, in Handbook of Clinical Neuropsychology*, S.B. Filskov and T.J. Boll, Editors. 1981, Wiley: New York.

Pribram, K.H., *Brain and Perception: Holonomy and Structure in Figural Processing*. 1991, Hillsdale, NJ: Lawrence Erlbaum Associates, Publishers.

Pribram, K.H. and F.T. Melges, *Psychophysiological basis of emotion, in Handbook of Clinical Neurology*, P.J. Vinken and G.W. Bruyn, Editors. 1969, North-Holland Publishing Company: Amsterdam. p. 316-341.

McCraty, R., Atkinson, M., Tomasino, D., & Bradley, R. T., *The coherent heart: Heart-brain interactions, psychophysiological coherence, and the emergence of system-wide order*. Integral Review, 2009. 5(2): p. 10-115.

Bradley, R.T., McCraty, R., Atkinson, M., Tomasino, D., *Emotion Self-Regulation, Psychophysiological Coherence, and Test Anxiety: Results from an Experiment Using Electrophysiological Measures*. Applied Psychophysiology and Biofeedback, 2010. 35(4): p. 261-283.

Childre, D. and D. Rozman, *Transforming Stress: The HeartMath Solution to Relieving Worry*,

Fatigue, and Tension. 2005, Oakland, CA: New Harbinger Publications.

Childre, D. and H. Martin, *The HeartMath Solution*. 1999, San Francisco: Harper San Francisco.

Balanced Care vs. Overcare Module

Rein, G., M. Atkinson, and R. McCraty, *The physiological and psychological effects of compassion and anger*. Journal of Advancement in Medicine, 1995. 8(2): p. 87-105.

Heart Mapping® Module

Buzan, Tony 1974. Use your head. London: BBC Books.

Budd, John W., *Mind Maps as Classroom Exercises*, The Journal of Economic Education, Vol. 35, No. 1 (Winter, 2004), pp. 35-46

A Short Perception Test – Inattentive Blindness – Module

Simons, D.J., & Chabris, C.F. (1999). Gorillas in our midst: Sustained inattentive blindness for dynamic events. *Perception*. 28(9), 1059-1074.

Most, S.B., Scholl, B.J., Clifford, E.r., & Simons, D. J. (2005). *What you see is what you set: Sustained inattentive blindness and the capture of awareness*. *Psychological Review*, 112(1), 217-242.

Most, S.B., Chun, M. M., Widders, D. M., & Zaid, D. H. (2005). *Attentional rubbernecking: Cognitive control and personality in emotion-induced blindness*. *Psychonomic Bulletin & Review*. 12 (4), 654-661.

Sleep and Resilience Module

Fletcher, A., et al., *Prediction of performance during sleep deprivation and alcohol intoxication using a quantitative model of work-related fatigue*. *Sleep Research* 2003. 5(2): p. 67-75.

Belenky, G., et al., *Patterns of performance degradation and restoration during sleep restriction and subsequent recovery: a sleep dose-response study*. *J Sleep Res*, 2003. 12(1): p. 1-12.

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