

The Healing power of Kindness

Kindness is purposeful, voluntary action undertaken with sensitivity to the needs or desires of another person and actively directed toward fostering their well-being. Science shows that delivering health care with kindness leads to faster healing, reduced pain, increased immune function, lowered blood pressure, and decreased anxiety.

Kindness is ...

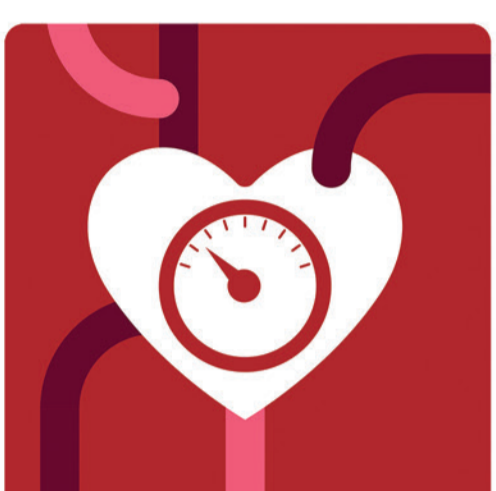
Purposeful, voluntary action undertaken with sensitivity to the needs or desires of another person and activity directed toward fostering their well-being.

How kindness affects patients



Patients who feel supported feel less pain.

Human connection decreases blood pressure



When doctors listen, patients heal faster



Respectful care boosts your immune system



Stress is a disease healed by human connection



We all hold the power to heal.

Research shows that human connection has the power to decrease pain, lessen anxiety, lower blood pressure, and increase the capacity of our immune system to fight disease. Kindness in health care has the power to help patients heal faster.

References

- 1) Simasek, M., & Blandino, D. (2007). Treatment of the Common Cold. *American Family Physician*, 75(4).
- 2) Rakek, D., Hoelt, T., Barrett, B., Cheung, B., Craig, B., & Niu, M. (2009). Practitioner Empathy and the Duration of the Common Cold. *Family Medicine*.
- 3) Rakek, D., & Barrett, B. (2011). Perception of empathy in the therapeutic encounter: Effects on the common cold. *Patient Education and Counseling*, 85, 390-397.
- 4) Cole SW (2014) Human Social Genomics. *PLoS Genet* 10(8): e1004601. doi:10.1371/journal.pgen.1004601
- 5) Cole, S. (2013). Social Regulation of Human Gene Expression: Mechanisms and Implications for Public Health. *American Journal of Public Health*, 103(1), 84-92.
- 6) Stone, A., Cox, D., Valdimarsdottir, H., Jandorf, L., & Neale, J. (1987). Evidence That Secretory IgA Antibody Is Associated With Daily Mood. *Journal of Personality and Social Psychology*, 52(5), 988-993.
- 7) Hopayian, K., & Notley, C. (2014). A systematic review of low back pain and sciatica patients' expectations and experiences of health care. *The Spine Journal*, 14, 1769-1780.
- 8) Beck, R., Daughtridge, R., & Sloane, P. (2002). Physician-Patient Communication in the Primary Care Office: A Systematic Review. *The Journal of the American Board of Family Medicine*, 15(1).
- 9) Neumann, M., Bensing, J., Mercer, S., Ernstmann, N., Ommen, O., & Pfaff, H. (2009). Analyzing the "nature" and "specific effectiveness" of counseling: A theoretical overview and contribution towards a theory-based research agenda. *Patient Education and Counseling*, 74(339-346).
- 10) Zolnierok, K., & DiMatteo, M. (2009). Physician Communication and Patient Adherence to Treatment: A Meta-analysis. *Med. Care*, 47(8), 826-834.
- 11) Derksen, F., Bensing, J., Kuiper, S., Meerendonk, M., & Lagro-Janssen, A. (2015). Empathy: What does it mean for GPs? A qualitative study. *Family Practice*, 94-100.
- 12) Di Blasi, Z., Harkness, E., Ernst, E., Georgiou, A., & Kleijnen, J. (2001). Influence of context effects on health outcomes: A systematic review. *The Lancet*, 357.
- 13) Conboy, L., Macklin, E., Kelley, J., Kokkotou, E., Lembo, A., & Kaptchuk, T. (2010). Which patients improve: Characteristics increasing sensitivity to a supportive patient-practitioner relationship. *Social Science & Medicine*, 70, 479-484.
- 14) Steinhausen, S., Ommen, O., Thum, S., Lefering, R., Koehler, T., Neugebauer, E., & Pfaff, H. (2013). Physician empathy and subjective evaluation of medical treatment outcome in trauma surgery patients. *Patient Education and Counseling*, 95, 53-60.
- 15) Cosley, B., McCoy, S., Saslow, L., & Epel, E. (2010). Is compassion for others stress buffering? Consequences of compassion and social support for physiological reactivity to stress. *Journal of Experimental Social Psychology*, 46, 816-823.
- 16) Malarkey, W., Pearl, D., Demers, L., Kiecolt-Glaser, J., & Glaser, R. (1995). Influence of Academic Stress and Season on 24 Hour Measures of Autonomic Nervous System Activity. *Psychoneuroendocrinology*, 20(5).
- 17) Stewart, M. (1995). Effective Physician-Patient Communication and Health Outcomes: A Review. *Can Med Assoc J*, 152(9).
- 18) Levenson, R. (2003). Blood, Sweat, and Fears: The Autonomic Architecture of Emotion. *Annals New York Academy of Sciences*, 348-366.
- 19) Porges, S. (2001). The polyvagal theory: Phylogenetic substrates of a social nervous system. *International Journal of Psychophysiology*, 42, 123-146.
- 20) Collins, N., Kane, H., Metz, M., Cleveland, C., Khan, C., Winczewski, L., . . . Prok, T. (2014). Psychological, physiological, and behavioral responses to a partner in need: The role of compassionate love. *Journal of Social and Personal Relationships*, 31(5), 601-629
- 21) Cwir, D., Carr, P., Walton, G., & Spencer, S. (2011). Your heart makes my heart move: Cues of social connectedness cause shared emotions and physiological states among strangers. *Journal of Experimental Social Psychology*, 47, 661-664.
- 22) Sep, M., Van Osch, M., Van Vliet, L., Smets, E., & Bensing, J. (2014). The power of clinicians' affective communication: How reassurance about non-abandonment can reduce patients' physiological arousal and increase information recall in bad news consultations. An experimental study using analogue patients. *Patient Education and Counseling*, 95, 45-52.
- 23) Viola, S., Marotta, T., Ferrara, F., & Ferrara, L. (2007). Improvement of cardiovascular risk profile in an elderly population of low social level: The ICON (Improving Cardiovascular risk profile in Older Neapolitans) study. *Journal of Human Hypertension*, 21, 76-85.
- 24) Holt-Lunstad, J., Birmingham, W., & Light, K. (2008). Influence of a "Warm Touch" Support Enhancement Intervention Among Married Couples on Health, Well-Being, Oxytocin, Alpha Amylase, and Cortisol. *Psychosomatic Medicine*, 70, 976-985.
- 25) Mohammadi, E., Abedi, H., Gofranipour, F., & Jalali, F. (2002). Partnership caring: A theory of high blood pressure control in Iranian hypertensives. *International Journal of Nursing Practice*, 8, 324-329.
- 26) Chobanian, A., Bakris, G., Black, H., Cushman, W., Green, L., Izzo, J., . . . Roccella, E. (2003). Seventh Report Of The Joint National Committee On Prevention, Detection, Evaluation, And Treatment Of High Blood Pressure. *Hypertension*, 1207-1252.
- 27) Egbert, L., Battit, G., Welch, C., & Bartlett, M. (1964). Reduction of Postoperative Pain By Encouragement and Instruction of Patients. *The New England Journal of Medicine*, 270(16).
- 28) Kaptchuk, T., Kelley, J., Conboy, L., & Davis, R. (2008). Components of placebo effect: Randomised controlled trial in patients with irritable bowel syndrome. *British Medical Journal*.
- 29) Colloca, L., & Grillon, C. (2014). Understanding Placebo and Nocebo Responses for Pain Management. *Curr Pain Headache Rep*, 18.
- 30) Fogarty, L., Curbow, B., Wingard, J., McDonnell, K., & Somerfield, M. (1999). Can 40 Seconds of Compassion Reduce Patient Anxiety. *Journal of Critical Oncology*, 17(1), 371-379.
- 31) Uvnas-Moberg, K. (1997). Physiological and Endocrine Effects of Social Contact. *Annals New York Academy of Sciences*.
- 32) Kelley, J., Kraft-Todd, G., Schapira, L., Kossovsky, J., & Riess, H. (2014). The Influence of the Patient-Clinician Relationship on Healthcare Outcomes: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Public Library of Science*, 9(4).
- 33) Danulov, M., Kozasa, E., Ribas, K., Galduroz, J., Garcia, M., Verreschi, I., . . . Leite, J. (2013). A Yoga and Compassion Meditation Program Reduces Stress in Familial Caregivers of Alzheimer's Disease Patients. *Evidence-Based Complementary and Alternative Medicine*.
- 34) Pincus, T., Holt, N., Vogel, S., Underwood, M., Savage, R., Walsh, D., & Taylor, S. (2013). Cognitive and affective reassurance and patient outcomes in primary care: A systematic review. *Pain*, 1154, 2407-2416.
- 35) Barrett, B., Rakek, D., Cheung, B., Marchand, L., Rabago, D., Brown, R., . . . Bobula, J. (2007). Rationale And Methods For A Trial Assessing Placebo, Echinacea, And Doctor-Patient Interaction In The Common Cold. *Explore*, 3(6).
- 36) Bauchaine, T. (2001). Vagal tone, development, and Gray's motivational theory: Toward an integrated model of autonomic nervous system functioning in psychopathology. *Department and Psychopathology*, 13, 183-214.
- 37) Bertakis, K. (2011). Determinants and outcomes of patient-centered care. *Patient Education and Counseling*, 85, 46-52.
- 38) Laird-Fick, H., Solomon, D., Jodoin, C., Dwamena, F., Alexander, K., Rawsthorne, L., . . . Smith, R. (2011). Training residents and nurses to work in a patient-centered care team on a medical ward. *Patient Education and Counseling*, 84, 90-97.
- 39) Lee, Y., & Lin, J. (2010). Do patient autonomy preferences matter? Linking patient-centered care to patient-physician relationships and health outcomes. *Social Science & Medicine*, 71, 1811-1818.
- 40) Mehan, D. (1992). Health and Illness Behavior and Patient-Practitioner Relationships. *Social Science & Medicine*, 34(12), 1245-1350.
- 41) Putnam, S., Stiles, W., Casey Jacob, M., & James, S. (1985). Patient Exposition and Physician Explanation in Initial Medical Interviews and Outcomes of Clinic Visits. *Medical Care*, 23(1).
- 42) Williams, S., Weinman, J., & Dale, J. (1998). Doctor-Patient communication and patient satisfaction: A review. *Family Practice*.