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To all healthcare providers who are committed to transforming our healthcare system to a model based on wellness and disease prevention, delivered with love and compassion. To each of you who have believed in our vision of wellness and in creating your own optimal health of mind, body, and spirit.

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Introduction

Have you visited your doctor or primary care provider recently? Was your wait time to see your provider longer than the actual office visit? Did you feel that more attention was given to the computer in the room than you as the patient? Was more time and energy spent on collecting your insurance information and determining how you were going to pay for your appointment instead of focusing on the nature of your office visit? Did you have a higher out-of-pocket expense for your visit than previously, despite paying much more money annually for your "health" insurance?

Are you disillusioned with "healthcare" in our country right now? Do you feel like you are paying more for healthcare but receiving less? Is your primary care provider happy with the system in which she or he works? Does your provider seem stressed and overwhelmed with all the changes in healthcare? What is happening to our healthcare system?

Let's take a look. The term "healthcare" is actually a misnomer. The truth is we really do not have a healthcare system. We have a disease-care system. Healthcare professionals wait until you get sick with a disease and then try to fix your disease. This is despite the fact that seven out of the top ten diseases that kill Americans are chronic illnesses, of which more than half could be prevented.

Do you feel healthy and well? Do you know that you could be healthier if you made some different decisions or changed some

unhealthy patterns in your life? Are you aware that true health and wellness is beyond just physical health? True wellness means not only having healthy bodies, but also healthy minds, emotions, and spirits.

Have you or your family member been hospitalized recently? Did you feel like a family member needed to stay with you or your loved one to help if hospital staff were not available? Did you find it beneficial to have someone there with you or your loved one to ensure no errors were made in the care provided? Were you or your family member able to receive quality sleep? Was the food healthy and nutritious? Were adequate care or instructions provided when you or your family member left the hospital?

The focus for our healthcare system has shifted and many institutions have lost sight of their primary goal, which is to help people become healthy and treat those with illnesses or traumatic accidents. Instead, the focus is predominantly on the almighty dollar, the bottom line, and who is going to pay the bill. While the importance of money cannot be ignored, it should not be the primary focus for healthcare institutions.

Not only are patients and families disgruntled about our current healthcare system, so are providers. Many providers are leaving healthcare altogether. Some providers, in an effort to contain their costs, have sold their practices to hospitals or healthcare system. These mergers have not always resulted in happy marriages.

Our healthcare system is broken in many ways. My intention in writing this book is to share a vision of transforming healthcare: healing you, me, and our broken disease-care system by:

- Redirecting the primary focus of health to wellness and disease prevention
- Creating models of health that prioritize patient and family needs above all else

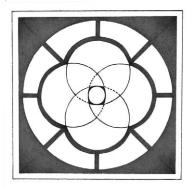
INTRODUCTION

- Creating healthy team-based systems that empower and inspire all providers as valued members of the team, recognizing each one's expertise and contribution for the patient, from physicians to housekeepers
- Providing guidelines so you can achieve your own optimal wellness of mind, body, and spirit
- Demonstrating a sustainable payer system that will meet healthcare expenses for individuals and families without bankrupting anyone, including our country

Sooner or later, each of us will interact with the healthcare system and providers, whether for our families or ourselves. Let's create a system that we can be proud of, and that we would feel confident and comfortable in taking our loved ones to for health and healing. Let's transform healthcare into a system of true healing, caring, compassion, and wellness for all.

CHAPTER 1

The Emperor's New Clothes



Our healthcare system is in trouble. We spend more money per capita than any other industrialized nation in the world. This might be tolerable if our outcomes were the best in the world. Sadly, our outcomes are not near the best—especially with chronic illnesses and infant/maternal mortality in childbirth.

Regarding Healthcare in the United States

- The United States ranks 37th out of the 40 top nations for best health system according to the World Health Organization report on health systems, 2000.¹
- America was rated 29th in infant mortality (behind Cuba) by the Centers for Disease Control and Prevention.²
- The United States ranks last among the top 11 nations for healthcare efficiency, equity, and outcomes despite spending more on healthcare than any other country.³

Why is our healthcare system so broken? Here are the key contributors that I believe lead to a dysfunctional healthcare system:

- Overemphasis on the "bottom line"
- Prioritizing provider needs over patient needs
- Primary focus on physical issues only without inclusion of psychological, emotional, and spiritual aspects of health
- Autocratic, physician-centric structure of healthcare institutions
- Overemphasis on pharmaceutical and surgical approaches to treatment
- Fear-based legalistic culture

THE EMPEROR'S NEW CLOTHES

- Disease-care models with little priority on prevention, wellness, and wholeness
- Current trends in today's healthcare

Let's take a brief look at each one.

Overemphasis on the Bottom Line

Many hospital administrators don't want to see the truth. They believe that as long as the bottom line is strong, and the hospital is making money, everything is fine. It's as if they are as oblivious as the townspeople in the fable, "The Emperor's New Clothes." While focus on the bottom line cannot and should not be ignored, neither should it be the predominant focus. Hospitals are intended to be places of healing and recovery, not profit centers benefitting from the ill health of the populace.

Several years ago, while working as a critical care clinical nurse specialist, I encountered a patient in the intensive care unit who was very ill and who eventually died. She was a close relative of a hospital administrator across town. Two days before the patient died, one of our hospital administrators came to visit her family. He wanted to offer a "courtesy discharge," which meant the patient or family did not have to stop at the cashier's office to pay the bill before leaving the hospital. My first thought, knowing the gravity of the situation, was that the only discharge the patient would receive would be a celestial discharge. This saddened me that the administrator's idea of comfort was a monetary gesture. This was one of my first epiphanies that the hospital's focus was misdirected.

On another occasion, the hospital would not allocate funds to have emergency crash carts placed on each floor (the carts hold essential items to use when a patient's heart arrests or they stop

breathing). However, they did allocate funds to purchase a cherry wood table for the administrative conference room and to remodel the administrative area to build two separate bathrooms so six to eight men and women would not have to share one. Another local hospital, in order to meet their budget, eliminated 80 ancillary help positions. Within the same week, the hospital purchased brand-new office furniture for their newly hired director of risk management, despite the fact that new furniture had been purchased just three months earlier for the previous director of risk management. When asked about these disparities, administrators responded that funds were allocated from separate budgets. This confused me since all departments are part of one institution. Again, these actions seemed to be out of alignment with the overall hospital mission and miss the mark of the hospital's true purpose: patient care.

Prioritizing Provider Needs over Patient Needs

When I worked in the hospital, I observed that laboratory blood tests were drawn between four thirty and six thirty in the morning. This continues to be common practice today. A bright light disrupts the patient's sleep as the phlebotomist collects the blood for ordered tests. It was done early in the morning so that the results were back on the patient's chart by the time the physician or nurse practitioner made rounds. This practice was originally done to ensure that these providers could do hospital rounds early and then make it back to their offices to see patients. Today, most hospitals now employ hospitalists (doctors and nurse practitioners who are trained to care for patients while they are hospitalized) and therefore do not have to leave to go to an office. However, the practice of obtaining blood work or X-rays at very early hours and disrupting a patient's sleep continues. Obviously, this is not a system that prioritizes the patients' needs; otherwise labs and X-rays would be conducted at more normal waking times.

THE EMPEROR'S NEW CLOTHES

I also observed how most therapies were conducted between eight in the morning and four in the afternoon. During these hours, some patients had three to five therapeutic treatments such as physical therapy, occupational therapy, or speech therapy. After four thirty, there were no further therapies until the next day. Ideally, patients should have a therapy session and then be allowed to rest adequately before their next treatment. Healing could be expedited if therapies were more evenly spaced throughout the entire day and evening, with adequate rest periods between therapies. Again, the hospital systems' priorities were placed above the patients' needs.

In my position as a critical care clinical nurse specialist, I commonly found a large gap between clinical research and practice. For instance, the nursing and medical literature has supported open visitation for families of patients in the critical care units since the early 1980s. Most patients are comforted and more relaxed when family members are present. Even though large numbers of studies continue to support open visitation, there are intensive care units across the country that still restrict visitation times for families. Why do these units resist changing practices when evidence clearly supports the benefit of open visitation?

I observed that some nurses seemed to feel threatened by having family members present in the intensive care unit while they were caring for patients. Other nurses felt that spending time answering families' questions took time away from the patient. I found that educating nurses about the research results and the benefits for patients of open visitation usually helped allay the nurses' fears and resistance. Training nurses in communication skills also proved beneficial.

A common response that I received when I would question practices that were out of alignment with current clinical research was, "Well, we've always done it that way." In most cases, it appeared that people were simply resistant to changing the current practice. Effort, time, and resources are necessary for hospitals to bridge the

gap between clinical research and practice. This must be prioritized to ensure that patients receive the best care supported by current evidenced-based research.

Primary Focus on Physical Issues Only without Inclusion of Psychological, Emotional, and Spiritual Aspects of Health

Most of Western medicine is built on a reductionist model, Koch's postulates, in which we break things into smaller and smaller parts to determine a root cause. Without a doubt, this model has served us well in many ways and led to many life-saving discoveries such as:

- The cause of many infections
- Effective antibiotics against some of these infections
- Multiple pharmaceutical compounds for varying diseases
- Technological advances such as the creation of coronary stents or balloon angioplasty for blocked coronary arteries
- Multiple advances in surgical and anesthesia techniques

However, as our knowledge in both science and medicine has progressed, it has become obvious that the reductionist model has limitations. Larry Dossey, MD, has described the evolution of medicine and science brilliantly as progressing through three eras.⁴

The first, Era I Medicine, describes health and illness as completely physical in nature. The focus is on finding the right combination of drugs, technology, and medical treatments to cure the patient.

Era II Medicine acknowledges the mind-body connection and the growing awareness that a person's consciousness (thoughts, emotions, and beliefs) has an impact on one's physical well-being.



- "Acupuncture: Does It Work? For Which Indications?" *The Medical Letter* 48, no. 1234 (2006): 38–39.
- Activate Healthcare. "Our Mission and Values." Activate Healthcare website. https://www.activatehealthcare.com/about-us/our-mission-and-values. Accessed October 23, 2017.
- Administration on Aging, Administration for Community Living, and US Department of Health and Human Services. "A Profile of Older Americans: 2012."
- Aetna Company. "Aetna Reports Fourth-Quarter and Full-Year 2016 Results." Aetna website. https://news.aetna.com/news-releases/aetna-reports-fourth-quarter-and-full-year-2016-results/. Accessed October 23, 2017.
- Agnusdei, Donato, and L. Bufalino. "Efficacy of Ipriflavone in Established Osteoporosis and Long-Term Safety." *Calcified Tissue International* 61 (1997): 523–27.
- Ahrens, Tom, Valerie Yancey, and Marin Kollef. "Improving Family Communications at the End of Life: Implications for Length of Stay in the Intensive Care Unit and Resource Use." *American Journal of Critical Care* 12, no. 4 (July 2003).
- Alexander, Eben. *Proof of Heaven: A Neurosurgeon's Journey into the Afterlife*. New York: Simon & Schuster, 2012.
- American Psychological Association. "Stress in America: The State of Our Nation." November 1, 2017. APA website. http://www.apa.org/news/press/releases/stress/2017/state-nation.pdf.

- Ammendolia, Carlo, Andrea D. Furlan, Marta Imamura, Emma Irvin, and Maurits van Tulder. "Evidence-Informed Management of Chronic Low Back Pain with Needle Acupuncture." *Spine Journal* 8, no. 1 (2008): 160–72.
- Anandarajah, Gowri, and Ellen Hight. "Spirituality and Medical Practice: Using the HOPE Questions as a Practical Tool for Spiritual Assessment." *American Family Physician* 63, no. 1 (2001): 81–89.
- Angell, Marcia. The Truth About Drug Companies: How They Deceive Us and What to Do About It. New York: Random House, 2005.
- "Anthem Revenue, Profits: ANTM Annual Income Statement." Amigo Bulls website. https://amigobulls.com/stocks/ANTM/income-statement/annual. Accessed October 23, 2017.
- Arora, Nimmi, Diana Martins, Danielle Ruggerio, Eleni Tousimis, Alexander J. Swistel, Michael P. Osborne, and Rache M. Simmons. "Effectiveness of a Noninvasive Digital Infrared Thermal Imaging System in the Detection of Breast Cancer." *American Journal of Surgery* 196, no. 4 (October 2008): 523–26.
- Bakalar, Nicholas. "Prescription Drug Use Soared in Past Decade." *The New York Times*, October 18, 2010. https://www.nytimes.com/2010/10/19/health/research/19stats.html.
- Bartol, Genevieve M., and Nancy F. Courts. "The Psychophysiology of Body-Mind Healing." In *Holistic Nursing: A Handbook for Practice*. 6th ed., edited by Barbara Montgomery Dossey and Lynn Keegan. Burlington, NH: Jones & Bartlett, 2013.
- Berner, Nathan, and Don Capoferri. "Complete Cervical Kyphosis Correction and Resolution of Low Back Pain Utilizing Pierce Technique." *Annals of Vertebral Subluxation Research* (November 2011): 183–88.
- Bernhoft, Robin, and Rashid Buttar. "Autism: A Multi-System Oxidative and Inflammatory Disorder." *Townsend Letter* (April 2008).
- Birnbaum, Sam. "Pulmonary Rehabilitation: A Classic Tune with a New Beat, but Is Anyone Listening?" *Chest Journal* 139, no. 6 (2011): 1698.
- Block, Keith. Block Center for Integrative Cancer Treatment. http://blockmd.com/. Accessed October 23, 2017.
- Bly, Robert. A Little Book on the Human Shadow. San Francisco: HarperOne, 1988.

- Bowler, Ginger. *Listening and Communicating with Energy*. Madison, WI: Focus on the Light Publishing, 2000.
- Bowman, David. "What the Research Says about Thermography: An Annotated Bibliography of Research on Using Thermography for Detecting Breast Cancer." Thermal Imaging of the Southwest website. http://tiofsw.com/wp-content/uploads/2014/08/Scientific-Bibliography-Mammograms.pdf. Accessed October 23, 2017.
- Braden, Gregg. *The Divine Matrix: Bridging Time, Space, Miracles, and Belief.* Carlsbad, CA: Hay House, 2007.
- Bronfort, Gert, Mitch Haas, Roni Evans, Greg Kawchuk, and Simon Dagenais. "Evidence-Informed Management of Chronic Low Back Pain with Spinal Manipulation and Mobilization." *Spine Journal* 8, no. 1 (2008): 213–25.
- Brumleve, Gertrude. "Emotional Maturity: What Is It?" Presentation at Institute for Integrative Medicine, Louisville, KY, September 27, 2002.
- Burcon, Michael, and Jennifer Pero. "Resolution of Glossopharyngeal Neuralgia and Spastic Dystonia Following Chiropractic Care to Reduce Upper Cervical Vertebral Subluxation: A Case Study." *Journal of Upper Cervical Chiropractic Research* (January 2014): 7–13.
- Burkhardt, Margaret A., and Mary Gail Nagai-Jacobson. "Spirituality and Health." In *Holistic Nursing: A Handbook for Practice*. 6th ed., edited by Barbara Montgomery Dossey and Lynn Keegan. Burlington, NH: Jones & Bartlett, 2013.
- Burpo, Todd, with Lynn Vincent. *Heaven Is for Real*. Nashville, TN: HIFR Ministries, 2011.
- Campbell, Susan, and John Grey. Five-Minute Relationship Repair: Quickly Heal Upsets, Deepen Intimacy, and Use Differences to Strengthen Love. Novato, CA: New World Library, 2015.
- Center for Integrative Medicine. University of Arizona. "What is Integrative Medicine?" Center for Integrative Medicine website. https://integrative-medicine.arizona.edu/about/definition.html. Accessed October 23, 2017.
- Centers for Disease Control and Prevention. "Chronic Disease Overview." CDC website. https://www.cdc.gov/chronicdisease/overview/index.htm. Accessed October 23, 2017.
- ------. "Key Elements of Healthy Eating Patterns" in *Dietary Guidelines*, 2015–2020. CDC website. https://health.gov/dietaryguidelines/2015/

- guidelines/chapter-1/a-closer-look-inside-healthy-eating-patterns/#callout-dietary-fats. Accessed October 23, 2017.
- ——. "Leading Causes of Death and Numbers of Deaths, by Sex, Race, and Hispanic Origin: United States, 1980 and 2014 (Table 19)." In *Health*, *United States*, 2015. CDC website https://www.cdc.gov/nchs/data/hus/hus15.pdf#019. Accessed October 23, 2017.
- ——. National Center for Health Statistics, "Therapeutic Drug Use," CDC website, https://www.cdc.gov/nchs/fastats/drug-use-therapeutic. htm, accessed October 23, 2017.
- ——. "Preventable Deaths from Heart Disease and Stroke." CDC website. https://www.cdc.gov/vitalsigns/HeartDisease-Stroke/index.html. Accessed October 23, 2017.
- ——. "Vaccine Safety. Thimerosal in Vaccines." CDC website: https://www.cdc.gov/vaccinesafety/concerns/thimerosal/. Accessed October 23, 2017.
- Centers for Medicare and Medicaid Services. "National Health Expenditure Data." Centers for Medicare and Medicaid Services website. www.cms. gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/NationalHealthAccountsHistorical.html.
- Chapman, Cheryl. *The Happy Breast Book: A Women's Guide to Keeping Your Breasts Healthy and Happy.* Maplewood, NJ: Cheryl Chapman, 2003.
- "Cigna Revenue, Profits: CI Annual Income Statement." Amigo Bulls website. https://amigobulls.com/stocks/CI/income-statement/annual. Accessed October 23, 2017.
- Committee on the Robert Wood Johnson Foundation Initiative on the Future of Nursing. *The Future of Nursing: Leading Change, Advancing Health*. Washington, DC: Institute of Medicine/National Academies Press, 2011. https://www.nap.edu/read/12956/chapter/1. Accessed October 23, 2017.
- "Corn, Corn, Everywhere Corn." Institute for Responsible Technology website. https://responsibletechnology.org/corn-corn-everywhere-corn/. Accessed October 23, 2017.
- "Corn Products and Derivatives List." Institute for Responsible Technology website. https://responsibletechnology.org/irtnew/wp-content/uploads/2017/06/Corn-Products-Derivatives-06-06-17.pdf. Accessed October 23, 2017.

- Cotman, Carl. "Diet and Exercise in Alzheimer's." Part of *The Alzheimer's Project*, a presentation of HBO Documentary Films and the National Institute on Aging at the National Institutes of Health. 2009.
- Davis, Karen, Kristof Stremikis, D. Squires, and Cathy Schoen. "Mirror, Mirror on the Wall: How the Performance of the US Health Care System Compares Internationally." *The Commonwealth Fund*. 2014.
- de Botton, Alain. "Why You Will Marry the Wrong Person." *New York Times* website. https://www.nytimes.com/2016/05/29/opinion/sunday/why-you-will-marry-the-wrong-person.html. Accessed October 23, 2017.
- Donaldson, Michael S. "Nutrition and Cancer: A Review of the Evidence for an Anti-Cancer Diet." *Nutrition Journal* 19 (October 2004).
- Dossey, Barbara Montgomery, and Lynn Keegan. "Nursing: Integral, Integrative, and Holistic: Local to Global." In *Holistic Nursing: A Handbook for Practice*. 6th ed., edited by Barbara Montgomery Dossey and Lynn Keegan. Burlington, NH: Jones & Bartlett, 2013.
- Dossey, Larry. *Healing Words: The Power of Prayer and the Practice of Medicine*. New York: Harper Collins, 1993.
- Dyer, Wayne W. *There's a Spiritual Solution to Every Problem*. Carlsbad, CA: Hay House, 2002.
- ———. The Power of Intention: Learning to Co-Create Your World Your Way. Carlsbad, CA: Hay House, 2010.
- Eenfeldt, Andreas. "The Hidden Truth Behind Ancel Keys' Famous Fat Graph." September 19, 2016. Diet Doctor website. https://www.dietdoctor.com/the-hidden-truth-behind-ancel-keys-famous-fat-graph.
- Ehrmann, Max. "Desiderata." All Poetry website. https://allpoetry.com/ Desiderata---Words-for-Life. Originally published 1927. Accessed October 23, 2017.
- Environmental Protection Agency, Office of Pesticide Programs. "Glyphosate Issue Paper: Evaluation of Carcinogenic Potential." September 12, 2016. EPA website. https://www.epa.gov/sites/production/files/2016-09/documents/glyphosate_issue_paper_evaluation_of_carcincogenic_potential.pdf.
- Epstein, Samuel S. "Hormones in US Beef Linked to Increased Cancer Risk." October 21, 2009. Organic Consumers Association website. https://www.organicconsumers.org/news/hormones-us-beef-linked-increased-cancer-risk.

- Estes, Tarron, Conscious Dying Institute website. http://www.consciousdyinginstitute.com/. Accessed October 23, 2017.
- Evans, Kimberly A. (Genevieve Bartol and Nancy F. Courts, original authors.)

 "The Psychophysiology of Body-Mind Healing." In *Core Curriculum for Holistic Nursing*, 2nd ed., edited by Mary Helming, Cynthia C. Barrere,
 Karen Avino, and Deborah Shields. Burlington, MA: Jones & Bartlett, 2014.
- Flavin, Dana. "Metabolic Dangers of High-Fructose Corn Syrup." Life Extension magazine website. http://www.lifeextension.com/magazine/2008/12/Metabolic-Dangers-of-High-Fructose-Corn-Syrup/Page-01. Accessed October 23, 2017.
- Food, Inc. Robin Schorr, Jeff Skoll, and Diane Weyermann, executive producers; Robert Kenner, director and producer. Magnolia Pictures, 2008. Documentary film.
- Forks over Knives. Brian Wendel, executive producer; Lee Fulkerson, director. Monica Beach Media, 2011. Documentary film.
- Fox, Nick J., and Katie J. Ward. "Pharma in the Bedroom . . . and the Kitchen . . . The Pharmaceuticalisation of Daily Life." *Sociology of Health & Illness* 30, no. 6 (September 2008): 856–68.
- Gasnier, Céline, Coralie Dumont, Nora Benachour, Emilie Clair, Marie-Christine Chagnon, and Gilles-Eric Séralini. "Glyphosate-Based Herbicides Are Toxic and Endocrine Disruptors in Human Cell Lines." *Toxicology* 262, no. 3 (August 21, 2009): 184–91.
- Gawande Atul. "The Checklist." New Yorker Magazine: Annals of Medicine, December 10, 2007. https://newyorker.com/magazine/2007/12/10/the-checklist.
- ——. "Can Life in a Nursing Home Be Uplifting?" October 4, 2014. *The Telegraph* website. https://www.telegraph.co.uk/culture/books/11139446/Can-life-in-a-nursing-home-be-made-uplifting-and-purposeful.html.
- ——. Being Mortal: Medicine and What Matters in the End. New York: Picador, 2017.
- ------. The Checklist Manifesto: How to Get Things Right. New York: Picador, 2011.
- Geier, David A., Paul G. King, and Mark R. Geier. "Mitochondrial Dysfunction, Impaired Oxidative-Reduction Activity, Degeneration, and Death in Human Neuronal and Fetal Cells Induced by Low-Level

- Exposure to Thimerosal and Other Metal Compounds." *Toxicological and Environmental Chemistry* 91, no. 3–4 (2009): 735–49.
- Gerards, Maaike C., Ruben J. Terlou, Huixin Yu, C. H. W. Koks, and V. E. A. Gerdes. "Traditional Chinese Lipid-Lowering Agent Red Yeast Rice Results in Significant LDL Reduction but Safety Is Uncertain: A Systematic Review and Meta-Analysis." *Atherosclerosis* 240, no. 2 (June 2015): 415–23.
- Godfrey, M. E., D. P. Wojcik, and C. A. Krone. "Apolipoprotein E Genotyping as a Potential Biomarker for Mercury Neurotoxicity." *Journal of Alz.heimer's Disease* 5, no. 3 (June 2003): 189–95. http://www.optimalfunctioning.com/research/godfrey-et-al-2003-apolipoprotein-egenotyping-as-potential-biomarker-for-mercury-neurotoxicity.html.
- Goetz Christine M., Cynthia R. Long, Maria A. Hondras, Richard Petri, Roxana Delgado, Dana J. Lawrence, Edward Owens, and William C. Meeker. "Adding Chiropractic Manipulative Therapy to Standard Medical Care for Patients with Acute Low Back Pain: Results of a Pragmatic Randomized Comparative Effectiveness Study." *Spine* 38, no. 8 (April 2013): 627–34.
- Goldhill, David. "How American Healthcare Killed My Father." *The Atlantic*. September 2009. https://www.theatlantic.com/magazine/archive/2009/09/how-american-health-care-killed-my-father/307617/. Accessed October 23, 2017.
- ———. Catastrophic Care: Why Everything We Think We Know about Healthcare Is Wrong. New York: First Vintage Books, 2013.
- Gu, Qiuping, Charles F. Dillon, and Vicki L. Burt. "Prescription Drug Use Continues to Increase: US Prescription Drug Data for 2007–2008." NCHS Data Brief 42 (September 2010): 1–8.
- Haley, Boyd E., and Teri Small. "Interview with Dr. Boyd E. Haley:
 Biomarkers Supporting Mercury Toxicity as the Major Exacerbator of
 Neurological Illness, Recent Evidence via the Urinary Porphyrin Tests."
 Medical Veritas 3 (2006): 921–34.
- HeartMath® Institute. "Solutions for Stress." HeartMath® Institute website. https://www.HeartMath®.org/resources/solutions-for-stress/reducing-stress/. Accessed October 23, 2017.
- ——. "Top Tips for Better Sleep." HeartMath® Institute website. https://www.HeartMath®.com/articles/top-tips-for-better-sleep/. Accessed October 23, 2017.

- Hearts in Healthcare. https://heartsinhealthcare.com/. Accessed October 23, 2017.
- Heyes, G. J., A. J. Mill, and Monty W. Charles. "Enhanced Biological Effectiveness of Low Energy X-rays and Implications for the UK Breast Screening Programme." *British Journal of Radiology* 79, no. 939 (March 2006): 195–200.
- "Humana Revenue, Profits: HUM Annual Income Statement." Amigo Bulls website. https://amigobulls.com/stocks/HUM/income-statement/annual. Accessed October 23, 2017.
- Imamura, Marta, Andrea D. Furlan, Trish Dryden, and Emma Irvin. "Evidence-Informed Management of Chronic Low Back Pain with Massage." *Spine Journal* 8, no. 1 (2008): 121–33.
- Institute of Medicine. "Dietary Reference Intakes: Electrolytes and Water." National Agricultural Library, United States Department of Agriculture website. https://www.nal.usda.gov/sites/default/files/fnic_uploads//electrolytes_water.pdf. Accessed October 23, 2017.
- Kaiser Family Foundation website. https://www.kff.org/.
- Katon, Wayne, and Ed Walker. "Medically Unexplained Symptoms in Primary Care." *Journal of Clinical Psychology* 59, supplement 20 (1998): 15–21.
- Kennedy, Patrick. "CEO Pay Watch: UnitedHealth's Stephen Hemsley Made \$31.3 Million Last Year." April 24, 2017. http://www.startribune.com/CEO-pay-watch-unitedhealth-s-stephen-hemsley-made-31-3-million-last-year/420284643/.
- Klimek, Matthew, Shan Wang, and Adeleye Ogunkanmi. "Safety and Efficacy of Red Yeast Rice (Monascus purpureus) as an Alternative Therapy for Hyperlipemia." Pharmacy & Therapuetics 34, no. 6 (2009): 313–27.
- Knapen, Marjo H. J., Nadja E. A. Drummen, E. Smit, C. Vermeer, and Elke Theuwissen. "Three-Year Low-Dose Menaquinone-7 Supplementation Helps Decrease Bone Loss in Healthy Postmenopausal Women."
 Osteoporosis International 24, no. 9 (September 2013): 2499–507.
- Kohn, Linda T., Janet M. Corrigan, and Molla S. Donaldson. "To Err Is Human: Building a Safer Health System." Washington, DC: Institute of Medicine/National Academies Press, 2000.
- Kübler Ross, Elisabeth, and Ira Byock. On Death and Dying: What the Dying Have to Teach Doctors, Nurses, Clergy and Their Own Families. New York: Scribner, 2011.

- Kuhn, Clifford. It All Starts with a Smile. Louisville, KY: Butler Books, 2007.
- Kushner, Robert F., Linda Van Horn, Cheryl L. Rock, Marilyn S. Edwards, Connie W. Bales, Martin Kohlmeier, and Sharon R. Akabas. "Nutrition Education in Medical School: A Time of Opportunity." *American Journal* of Clinical Nutrition 99, no. 5 (2014): 1167S–73S.
- Leo, Pam. Connection Parenting: Parenting through Connection Instead of Coercion, through Love Instead of Fear. 2nd ed. Deadwood, OR: Wyatt-MacKenzie, 2007.
- Lipton, Bruce. *The Biology of Belief: Unleashing the Power of Consciousness, Matter, and Miracles.* Carlsbad, CA: Hay House, 2007.
- Makary, Martin A., and Michael Daniel. "Medical Error: The Third Leading Cause of Death in the US." *BMJ* (May 2016) 353:i2139.
- Maugeri, Domenico, Pietra Panebianco, Mario S. Russo, Massimo Motta, Salvatore Tropea, L. Cayolla da Motta, C. Garozzo, et. al. "Ipriflavone Treatment of Senile Osteoporosis: Results of a Multicenter, Double-Blind Clinical Trial of Two Years." *Archives of Gerontology and Geriatrics* 19, no. 3 (November–December 1994): 253–63.
- Mayer, John M., Vert Mooney, and Simon Dagenais. "Evidence-Informed Management of Chronic Low Back Pain with Chronic Lumbar Extensor Strengthening Exercises." *Spine Journal* 8, no. 1 (2008): 96–113.
- Mayo Clinic. "Dementia." Mayo Clinic website. https://www.mayoclinic.org/diseases-conditions/dementia/symptoms-causes/syc-20352013. Accessed October 23, 2017.
- McCullough, Marjorie. "Preventing Cancer with Food: Magic Bullets vs. Dietary Patterns." Presented at the 7th Annual Nutrition and Health Conference, May 11, 2010. Atlanta, GA. file:///C:/Users/Susan/AppData/Local/Temp/NHC2010-online_brochure.pdf. Accessed October 23, 2017.
- McDonald, Pamela. APO E Gene website. https://apoegenediet.com/. Accessed October 23, 2017.
- -----. The Perfect Gene Diet. Carlsbad, CA: Hay House, 2010.
- McLeod, Saul. "Maslow's Hierarchy of Needs." https://simplypsychology.org/maslow.html. Accessed October 23, 2017.
- Mentes, Janet. "Oral Hydration in Older Adults: Greater Awareness is Needed in Preventing, Recognizing, and Treating Dehydration." *American Journal of Nursing* 106, no. 6 (2006): 40–49.

- Mercola, Joseph. Fat for Fuel: A Revolutionary Diet to Combat Cancer, Boost Brain Power, and Increase Your Energy. Carlsbad, CA: Hay House, 2017.
- Miller, Elaine Tilka, Carol Deets, and Robert V. Miller. "Nurse Call Systems: Impact on Nursing Performance." *Journal of Nursing Care Quality* 11, no. 3 (1997): 36-43.
- "Mission, Vision, Values, Principles." Eden Alternative website. http://www.edenalt.org/about-the-eden-alternative/mission-vision-values/. Accessed October 23, 2017.
- Moorjani, Anita. *Dying to Be Me: My Journey from Cancer, to Near Death, to True Healing.* Carlsbad, CA: Hay House, 2012.
- Motz, J. "Everyone an Energy Healer: The Treat V Conference Santa Fe, NM," *The Journal of Mind-Body Health* 9 (1993).
- Murphy, Jonathan, Timothy Morrison, Rod Floyd, and Joel Alcantara. "Improvement in a Patient with Disc Protrusion and Extruded Fragment Following Subluxation-Based Chiropractic Care: A Case Study and Selective Review of the Literature." *Annals of Vertebral Subluxation Research* (November 2015): 178–83.
- Nance, John J., and Kathleen M. Bartholomew. *Charting the Course: Launching Patient-Centric Healthcare*. Bozeman, MT: Second River Healthcare Press, 2012.
- National Center for Complementary and Integrative Health. "NCCIH Facts at a Glance and Mission." NCCIH website. https://nccih.nih.gov/about/ataglance. Accessed October 23, 2017.
- ------. "Research Results." NCCIH website. https://nccih.nih.gov/research/results. Accessed October 23, 2017.
- ——. "Herbs at a Glance." NCCIH website. https://nccih.nih.gov/health/herbsataglance.htm. Accessed October 23, 2017.
- National Coalition on Health Care website. https://nchc.org/.
- Ng, Eddie Y. K. "A Review of Thermography as Promising Non-Invasive Detection Modality for Breast Tumor." *International Journal of Thermal Sciences* 48 (May 2009): 849–59.
- Non-GMO Shopping Guide website. https://www.nongmoshoppingguide.com/. Accessed October 23, 2017.

- Ornish, Dean. Dr. Dean Ornish's Program for Reversing Heart Disease: The Only System Scientifically Proven to Reverse Heart Disease without Drugs or Surgery. New York: Random House, 1990.
- Perkins, A. "Saving Money by Reducing Stress." *Harvard Business Review* 72, no. 6 (1994): 12.
- Pijpe, Anouk, Nadine Andrieu, Douglas F. Easton, Ausrele Kesminiene, Elisabeth Cardis, Catherine Noguès, Marion Gauthier-Villars, et al. "Exposure to Diagnostic Radiation and Risk of Breast Cancer among Carriers of BRCA1/2 Mutations: Retrospective Cohort Study (GENE-RAD-RISK)." *BMJ* 345 (2012): e5660.
- Piper, Don, with Cecil Murphey. 90 Minutes in Heaven: A True Story of Death and Life. Grand Rapids, MI: Revell, 2004.
- Planetree Alliance website. https://planetree.org/. Accessed October 23, 2017.
- "Proclamation for Transforming the Lives of Children." Alliance for Transforming the Lives of Children website. http://atlc.org/Proclamation/proclamation.php. Accessed October 23, 2017.
- Pronovost, Peter, Dale Needham, Sean Berenholtz, David Sinopoli, Haitao Chu, Sara Cosgrove, Bryan Sexton, et al. "An Intervention to Decrease Catheter-Related Bloodstream Infections in the ICU." New England Journal of Medicine 355 (2006): 2725–32.
- Rassiwala, Muffazzal, Poonam Mathur, Rajkumar K. Mathur, K. S. Farid, Sapna Shukla, Prabodh K. Gupta, and Beena Jain. "Evaluation of Digital Infra-Red Thermal Imaging as an Adjunctive Screening Method for Breast Carcinoma: A Pilot Study." *International Journal of Surgery* 12 (December 2014): 1439–43.
- Rivera, A. Joy, and Ben-Tzion Karsh. "Interruptions and Distractions in Healthcare: Review and Reappraisal." *Quality and Safety in Health Care* 19, no. 4 (2010): 304–12.
- Roizman, Tracey. "Do Hormones in the Food Supply Affect the Human Body?" *SF GATE*. https://healthyeating.sfgate.com/hormones-food-supply-affect-human-body-2194.html. Accessed October 23, 2017.
- Rosenboro, Ken. "Why Is Glyphosate Sprayed on Crops Right Before Harvest?" Eco Watch website, March 6, 2016. https://www.ecowatch.com/why-is-glyphosate-sprayed-on-crops-right-before-harvest-1882187755. html. Accessed October 23, 2017.

- Rozman, Deborah, and Rollin McCraty. HeartMath® Solution for Better Sleep: Resetting Your Body's Rhythms, Integrating emWave and Inner Balance Technologies. Boulder Creek, CA: HeartMath® LLC, 2013.
- Salyer, Lara. "Dear Hippocrates: I Want a Divorce." August 13, 2016. Kevin MD website. https://www.kevinmd.com/blog/2016/08/dear-hippocrateswant-divorce.html.
- Samsel, Anthony, and Stephanie Seneff. "Glyphosate's Suppression of Cytochrome P450 Enzymes and Amino Acid Biosynthesis by the Gut Microbiome: Pathways to Modern Diseases." *Entropy* 15, no. 4 (2013): 1416–63.
- Saputo, Len. A Return to Healing: Radical Healthcare Reform and the Future of Medicine. San Rafael, CA: Origin Press, 2009.
- Schaafsma, Anne, P. J. F. de Vries, and W. H. M. Saris. "Delay of Natural Bone Loss by Higher Intakes of Specific Minerals and Vitamins." *Critical Reviews in Food Science and Nutrition* 41, no. 4 (May 2001): 225–49.
- Self-Nutrition Data. "Glycemic Index." Self-Nutrition Data website. http://nutritiondata.self.com/topics/glycemic-index. Accessed October 23, 2017.
- Shaw, Christopher A., Stephanie Seneff, Stephen D. Kette, Lucija Tomljenovic, John W. Oller Jr., and Robert M. Davidson. "Aluminum-Induced Entropy in Biological Systems: Implications for Neurological Disease." *Journal of Toxicology* (2014) http://dx.doi. org/10.1155/2014/491316.
- "Shopper's Guide to Pesticides in Produce: Clean Fifteen and Dirty Dozen Foods." Environmental Working Group website. https://www.ewg.org/foodnews/. Accessed October 23, 2017.
- Small, Leslie. "Health Insurance CEO Pay Tops Out at \$17.3M in 2015." April 24, 2016. Fierce Healthcare website. https://www.fiercehealthcare.com/payer/health-insurance-CEO-pay-at-big-five-tops-out-at-17-3m-2015.
- Smith, Jeffrey M. "Are Genetically Modified Foods a Gut-Wrenching Combination?" Institute for Responsible Technology website. http://responsibletechnology.org/glutenintroduction/. Accessed October 23, 2017.
- ——. "GMO FAQs." Institute for Responsible Technology website. http:// responsibletechnology.org/gmo-education/faqs/. Accessed October 23, 2017.
- ———. Seeds of Deception. Exposing Industry and Government Lies About the Safety of the Genetically Engineered Foods You're Eating. Fairfield, IA: Yes! Books, 2002.

- Sree, Vinitah, E. Y. K. Ng, Rajendra U. Acharya, and O. Faust. "Breast Imaging: A Survey." *World Journal of Clinical Oncology* 2, no. 4 (2011): 171–78.
- Stone, Gene, ed. *Forks over Knives: The Plant-Based Way to Health.* New York: The Experiment, 2011.
- Taylor, Ginger. "142 Research Papers Supporting Vaccine/ Autism Causation." SCRIBD website, https://www.scribd.com/ doc/220807175/150-Research-Papers-Supporting-the-Vaccine-Autism-Link. Accessed October 23, 2017.
- Thornton, Lucia. Whole Person Caring: An Interprofessional Model for Healing and Wellness. Indianapolis: Sigma Theta Tau International, 2013.
- Tomljenovic Lucija, and C. Shaw. "Aluminum Vaccine Adjuvants: Are They Safe?" *Current Medicinal Chemistry* 18 (2011): 2630–37.
- Tucker, Anita L. "The Impact of Operational Failures on Hospital Nurses and Their Patients." *Journal of Operations Management* 22, no. 2 (2004): 151–69.
- Tucker, Anita L., and Steven J. Spear. "Operational Failures and Interruptions in Hospital Nursing." *Health Services Research* 42 (2006): 643–62.
- United Health Group. "Unitedhealth Group Reports 2016 Results Highlighted by Continued Strong and Diversified Growth." United Health Group website. https://unitedhealthgroup.com/content/dam/UHG/PDF/investors/2016/UNH-Q4-2016-Release.pdf. Accessed October 23, 2017.
- United States Census Bureau. "Statistical Abstract of the US: 1989." US Census Bureau website. https://www.census.gov/library/publications/1989/compendia/statab/109ed.html.
- Vital Choice website. https://www.vitalchoice.com/. Accessed October 23, 2017.
- Walker, Brad. "The FITT Principle: Frequency, Intensity, Time, Type and How They Relate to Injury." Stretch Coach website. http://stretchcoach.com/articles/fitt-principle/. First published September 24, 2003; updated May 23, 2017; accessed October 23, 2017.
- Ward, Brian W., Jeannine S. Schiller, and Richard A. Goodman. "Multiple Chronic Conditions Among US Adults: A 2012 Update." *Preventing Chronic Disease* 11 (2014): 130389.

- Weil, Andrew. "Dr. Weil's Anti-Inflammatory Food Pyramid." Dr. Weil's website. https://www.drweil.com/diet-nutrition/anti-inflammatory-diet-pyramid/dr-weils-anti-inflammatory-food-pyramid/. Accessed October 23, 2017.
- ——. "Three Breathing Exercises and Techniques." Dr. Weil's website. https://www.drweil.com/health-wellness/body-mind-spirit/stress-anxiety/breathing-three-exercises/. Accessed October 23, 2017.
- ——. Why Our Health Matters: A Vision of Medicine That Can Transform Our Future. New York: Hudson Street Press, 2009.
- Wikipedia. "Chinese Word for Crisis." https://en.wikipedia.org/wiki/ Chinese_word_for_%22crisis%22. Accessed October 23, 2017.
- "Workplace Stress." American Institute of Stress website. https://www.stress.org/workplace-stress/. Accessed October 23, 2017.
- World Health Organization. Constitution as Adopted by the International Health Conference, New York, June 19–22, 1946. WHO website. http://www.who.int/about/mission/en/. Accessed October 23, 2017.
- ——. The World Health Report 2000—Health Systems: Improving Performance. Geneva, Switzerland: World Health Organization, 2000.
- Youngson, Robin. *Time to Care: How to Love Your Patients and Your Job.* New Zealand: Rebelheart Publishers, 2012.
- Zhang, Xin, Shao-wen Li, Jin-Fang Wu, Chun-Li Dong, Cai-xia Zheng, Yun-ping Zhang, and Juan Du. "Effects of Ipriflavone on Postmenopausal Syndrome and Osteoporosis." *Gynecological Endocrinology* 26, no. 2 (2010).

About the Author

Kim Evans is an advanced practice clinical nurse specialist (APRN), certified in adult health nursing. She has an extensive clinical background including staff nurse, nurse manager, critical care clinical nurse specialist, and nurse entrepreneur. She has worked in various clinical areas including transitional care, emergency room, respiratory intensive care, coronary care, open heart surgery, and as a critical care nurse specialist.

After an epiphany in the intensive care unit one day, she realized that 80 percent of the patients in the ICU had illnesses that could have been prevented. From that day forward, she focused her practice on disease prevention, wellness, and achieving optimal health of mind, body, and spirit. She is certified in advanced holistic nursing practice (American Holistic Nurses Credentialing Corporation) and Amma Therapy (New York College of Holistic Health, Education, and Research) and has completed the Fellowship in Integrative Medicine through the University of Arizona with Andrew Weil, MD.

Kim is a founding member of the Institute for Integrative Medicine in Louisville, Kentucky, which has grown from its humble beginnings to include 10 practitioners, all experts in their fields. She has authored multiple articles and book chapters on clinical nursing, holistic nursing, integrative medicine, and wellness.

She is married to the love of her life, Dave, and together they

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