

Charles R. Denham M.D



Short Bio-sketch

Faith, great teams, and wonderful partners have served a calling to *save lives, save money, and create value in communities* held by both the not-for-profit TMIT and for-profit HCC Corporation founded by Dr. Denham. He is very grateful for having a supporting role in development of leadership, practices, and technology innovations that have led to safer healthcare for children and vulnerable populations over the last 30 years. He has been involved in the development of more than 400 products, companies, and solutions. Many are now core to the “accountable care” movement. TMIT and HCC are served by a 3,100 hospital test bed and a performance analytics system known as an *Information Power Grid*[®]. As a radiation oncologist, associate professor of biomedical engineering, and instructor at medical and business schools, Dr. Denham has taught innovation, commercialization, and leadership. He has authored more than 100 peer-reviewed publications and is currently Editor-in-Chief of the *Journal of Patient Safety*. He is an adjunct Professor at the *Mayo Clinic College of Medicine* in Health Systems Engineering, is on the faculty of *Harvard Medical School* teaching leadership and innovation, has been a Senior Fellow of the *Harvard University Advanced Leadership Initiative*; and has been an instructor at the *Harvard School of Public Health*. He serves the Institute of Medicine and National Academies of Science and Engineering on their *President’s Circle*. A Global Fellow of the *Institute for Innovation, Creativity, and Capital (IC²)*, he is also co-founder of the *Global Patient Safety Forum* in Geneva Switzerland, a convener of global leaders in high performance accountable healthcare and he is a collaborator with the World Health Organization. Ranked 38th in the list of *50 Most Powerful Physician Executives* by *Modern Healthcare* in 2012, he is described as a global authority in value-based innovation. He has chaired the *Leapfrog Group Safe Practices* program since 2003, having funded and developed their first hospital safe practice scorecard used by *Fortune 500 Companies* to purchase care. As co-chair of the National Quality Forum (NQF) *Safe Practices for Better Healthcare* committee from 2004-2010, he was blessed with the opportunity to co-author new safe practices for imaging children, transplantation, disclosure, and care of the caregiver after healthcare accidents. Over a decade ago he founded and launched *The GreenLight Group*, an R&D enterprise with partners which includes *Mayo Clinic*, *Cleveland Clinic*, *Harvard affiliated hospitals*, and frontline healthcare systems such as *Ascension Healthcare* and *Catholic Healthcare Partners* who are all dedicated to achieving the greatest value for their patients with breakthrough services and technologies.

The GreenLight Network: High Impact within 12 Months

The R&D focus of TMIT and HCC is to prove that leaders can simultaneously drive quality up and cost down for vulnerable populations. These populations include children, seniors, and working people with active medical problems. In seven U.S. regions and selected global sites, *GreenLight* research teams are documenting performance of innovations that can dramatically reduce healthcare harm and cost within 12 months of action. Extraordinary high-value performance is being validated and supported by the HCC-TMIT network of 500 world class experts and leading academic organizations. By targeting frontline care and cost directly with employers, caregivers and most importantly, families; lives will be saved while saving money while creating value in the communities being served. Centers of gravity in each market ecosystem are being targeted with specific programs such as *CareMoms[™]* and *CareKids[™]* programs which are campaigns to engage families in keeping their loved ones safe – they address emergencies, outpatient care, and hospital care. The *CareBoards[®]* program tackles hospital governance boards to drive immediate action in their organizations. Directors are a key center of gravity.

A consumer, employer, and payer decision support dashboard called *CareScore Dashboard[™]* is being refined to guide consumers’ choices to the best care. It equips consumers with “value accountable care know-how” to protect their family’s health and wealth. TMIT and HCC will accelerate innovation adoption with suppliers, providers, and purchasers by connecting funding to innovation. This leverages HCC’s state of the art predictive analytics software to tie quality, cost, and value to care services. The dashboard is part of a Center of Excellence Qualification System designed by HCC to assist major employers who are undertaking direct contracting with providers. Key risk micro populations such as children and those for older employees who have heart disease, diabetes, spine disease, cancer, and end of life care are all major target areas.

2012-2013 initiatives also include end-to-end integrative solutions for safe imaging care of children and care for patients with pain and back problems. They will build on the success of the *5 Rights of Imaging[™]* campaign that TMIT launched in 2010 to address overuse, underuse, and misuse of imaging. The *LEAD Innovation Leadership Network* is being established to generate high performance in communities through their own leaders. The network will engage and develop leaders who can in turn inspire their own teams to generate joy at work, combat burnout, and create healing moments along the trajectory of every patient’ care every day.

TMIT uses documentaries to help make care safer for consumers and caregivers – see *Chasing Zero@: Winning the War on Healthcare Harm* <http://www.safetyleaders.org/pages/chasingZeroDocumentary.jsp>, and *Surfing the Healthcare Tsunami: Bring Your Best Board[®]* <http://www.safetyleaders.org/Discovery/surfingTsunami.jsp>. A third documentary will be released in 2013 with a working title of *Healing Moments: Loved Ones Caring for Loved Ones*. Stories about national leaders in quality, and stories about families will showcase “healing moments” and how lives can be saved in every community while bringing joy to back to care delivery. For Dr. Denham’s publications and background: www.SafetyLeaders.org.