Committee on Energy and Commerce
U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)

1. Your Name: Daniel Riskin		
2. Are you testifying on behalf of the Federal, or a State or local government entity?	**Yes**	**No** ___
3. Are you testifying on behalf of an entity that is not a government entity?	**Yes**	**No** ___
4. Other than yourself, please list which entity or entities you are representing:		
5. Please list any Federal grants or contracts (including subgrants or subcontracts) that <u>you or the entity you represent have received</u> on or after October 1, 2011: Grants include: NSF IIP-1330136, IIP-1248603, NIH 1R43TR000179-01A1, NSF IIP-1142412 (Please see CV for full details)		
6. If your answer to the question in item 3 in this form is "yes," please describe your position or representational capacity with the entity or entities you are representing:		
7. If your answer to the question in item 3 is "yes," do any of the entities disclosed in item 4 have parent organizations, subsidiaries, or partnerships that you are not representing in your testimony?	**Yes**	**No**
8. If the answer to the question in item 3 is "yes," please list any Federal grants or contracts (including subgrants or subcontracts) that were received by the entities listed under the question in item 4 on or after October 1, 2011, that exceed 10 percent of the revenue of the entities in the year received, including the source and amount of each grant or contract to be listed:		
9. Please attach your curriculum vitae to your completed disclosure form.		

Signature: [redacted] **Date:** July 14, 2014

Curriculum Vitae
Daniel J. Riskin, MD, MBA, FACS

325 Sharon Park Dr., #730
Menlo Park, CA 94025
(650) 777-7978
driskin@stanford.edu

EDUCATION

Master of Business Administration, focus in bioinformatics and biomedical engineering
Massachusetts Institute of Technology, May 2004

Doctor of Medicine
Boston University School of Medicine, May 1999

Bachelor of Science in Biology
University of California at San Diego, June 1994

ADVANCED PROFESSIONAL TRAINING

Fellowship in Critical Care and Acute Care Surgery
Stanford University, June 2008

Residency in Surgery
University of California at Los Angeles, June 2007

Biodesign Fellowship in Medical Technology Innovation
Stanford University, June 2005

PROFESSIONAL CREDENTIALS

California Medical Licensure, A88292
Board Certification in Surgery, 053917
Board Certification in Clinical Informatics, 000054
Board Certification in Critical Care, 2475
Board Certification in Palliative Care, 070733
Fellow of the American College of Surgeons

OCCUPATIONAL EXPERIENCE

Founder and Retired Chief Executive Officer
Health Fidelity. Palo Alto, California, 2011 -
Founded Health Fidelity, a leading healthcare big data analytics firm providing risk and quality solutions for value-based healthcare. Created vision, built the team, designed the product suite, raised more than $18 million in capital, and engaged

multiple top 10 health systems. Transitioned daily operations to strategic investors on the third financing round in 2014.

Consulting Assistant Professor of Surgery

Stanford University. Stanford, California, 2008 -

Conducting research and publishing in the field of user based innovation in healthcare. Teaching Stanford engineers, medical students, and residents the process of medical technology development, with a focus on healthcare IT. Working clinically and teaching Stanford residents surgery and critical care out of the Stanford affiliate hospitals, as Trauma Attending Surgeon at Santa Clara Valley Medical Center and as Critical Care Physician at Kaiser Homestead.

Chief Strategy Officer

CalHIPSO. Oakland, California, 2010 – 2011

Collaborated with other executive leadership to develop long term sustainability strategy, healthcare IT quality solutions, and meaningful physician engagement for the largest Regional Extension Center, representing 20% of the priority physician providers in the United States.

Healthcare IT Entrepreneur in Residence

Mohr Davidow Ventures. Menlo Park, California, 2008 - 2009

Reviewed deal flow and developed new commercializable solutions within one of the top Silicon Valley venture firms. Focus areas included healthcare IT, personalized medicine, and diagnostic opportunities for this $2B investment firm.

Chief Executive Officer

Vanguard Medical Technologies. Menlo Park, California, 2005 - 2010

Managed a medical technology R&D firm specializing in healthcare technology solutions. Founded and funded spinout companies including Wadsworth Medical Technologies, a Boston based corporation with initial products in wound closure and healing, and Health Fidelity, a Delaware corporation focused leveraging semantic technologies to address risk and quality needs in value-based healthcare.

Chief Scientific Officer

Wadsworth Medical Technologies. Boston, MA, 2006 - 2009

Founder and Chief Scientific Officer of a medical technology firm with first product focused on wound closure. Developed first prototypes, performed initial testing, formed initial business team, and selected scientific advisory board.

Associate in Business Development

Roche Diagnostics. Indianapolis, Indiana, 2003 - 2004

Worked with MIT Media Lab and BodyMedia to create and commercialize a metabolism measurement tool using advanced diagnostics, algorithms, and user interface for use in obesity treatment. Product commercialized in Sept. 2004.

AFFILIATIONS AND SOCIETY MEMBERSHIPS

eHealth Initiative Leadership Council
Bipartisan Policy Center
Obama Health Policy Committee for the 2008 Presidential Campaign
Obama Healthcare IT Advisory Subcommittee for the 2008 Presidential Campaign
American Medical Association
American College of Surgeons
National Science Foundation Grant Review Panel
MIT $50K Entrepreneurship Competition Board of Directors
Stanford BASES Entrepreneurship Competition Judge

AWARDS AND ACHIEVEMENTS

Invited Member of the Obama Health Policy Committee for the Presidential Campaign, Obama Presidential Campaign, 2008. Invited in recognition of academic and industry field contributions in medical innovation and healthcare IT.

Top 35 Innovators under 35, MIT Technology Review, 2005. Named by Technology Review as one of the top 35 innovators in the world under 35.

AMA Leadership Award, American Medical Association, 2005. Recognized for leadership in developing a new subspecialty field in surgery.

Kauffman Venture Finalist, Kauffman Fellowship, 2005. Selected for expertise in technology development and commercialization.

US Trust Fellow for Medical Technology Convergence, The Life Sciences Leader's Forum at MIT, 2004. Selected as fellow and invited to a CEO level conference for Fortune 500 healthcare firms.

Citation for Excellence in Teaching, Tufts University School of Medicine, Department of Surgery, 2002. Recognized by medical students and faculty for commitment in teaching.

Top 15% of Class, Boston University School of Medicine, 1999. Based on basic science and clinical grades as well as national examination scores.

Golden Key National Honor Society, University of California at San Diego, 1994. Recognized for academic accomplishment.

UCSD All Campus Billiards Champion, University of California at San Diego Third College, 1992. Won first place in all campus billiards competition.

Bausch and Lomb Outstanding Scientist Award, 1989. Selected for top performance in all high school science courses.

Varsity Track Letterman, Brentwood High School, 1988. Recognized for performance in quarter mile event.

Best Software Programmer, All-California Competition, 1984 and 1985. Won first place two consecutive years in a statewide timed software coding competition.

FUNDING SUPPORT

2014 Riskin (PI) 3/24/2014, University of Pittsburgh Medical Center and Charter Life Sciences Series A Venture Financing $14,100,000, "Clinical analytics." Health Fidelity has built a leading platform in use of full clinical data for value-based healthcare. Applications target risk and quality in shared-risk payment models. Role: CEO

2013 Riskin (PI) 10/01/2013 - 09/30/15 (pending), National Science Foundation, Phase II SBIR, IIP-1330136, $405,687, "Applying Language Understanding at the Point of Care to Enhance Clinical Documentation and Realize Quality Improvements." An intuitive process will be developed to capture foundational healthcare data. This process combines best-of-breed technologies with innovative language-based algorithms to target healthcare quality measures. The system leverages natural language processing (NLP) and inferencing technologies to leverage contextual data and improve clinical documentation. Role: PI

2013 Riskin (PI) 01/01/2013 – 6/30/2013, National Science Foundation, Phase I SBIR, IIP-1248603, $150,000, "Development of Cohort Identification Tool." A disruptive technology was developed to identify clinical cohorts from the full clinical record. This process uses advanced methods for extracting information from unstructured patient data and comparing it with the manually structured information in the record. The result is a defined, reliable cohort of patients that can be applied to quality measures, improved daily patient care, and targeted medical research. Role: PI

2013 Riskin (PI) 09/10/2012 – 08/31/2013, National Institutes of Health - Phase I SBIR, 1R43TR000179-01A1, $150,000, "Contextual ASR to Support EHR Adoption." A system was developed to use natural language processing (NLP) to enhance unstructured data collected at the point of care. Statistical analysis of historical medical records was used to create families of language models for each section of the SOAP portion of the traditional medical note. Lexicons were switched in and out of the automatic speech recognition (ASR) in real-time based on the contextual position within the narrative note. Role: PI

2012 Riskin (PI) 01/01/2012 – 6/30/2012, National Science Foundation Phase I SBIR, IIP-1142412, $150,000, "ASR for EHR Adoption." Statistical analysis of historical medical records was used to create families of language models for each section of the H&P portion of the traditional medical note. Lexicons were switched in and out of the automatic speech recognition (ASR) in real-time based on the contextual position within the narrative note. Role: PI

2011 Riskin (PI) 12/21/2011, Charter Life Sciences Series A Venture Financing $2,500,000, "Advanced Clinical Natural Language Processing." Health Fidelity has built and is enhancing the leading clinical natural language processing (NLP) and inferencing technologies in healthcare. Applications include descriptive and predictive modeling required based on data and payment reform. Role: CEO

2010 Riskin (PI) 4/01/2010 – 9/30/2010, National Institutes of Health National Library of Medicine 1R43LM010750 $241,875, "Primary Care Medical Data Input System." DocTalk, an innovative feedback-enhanced, natural language processing (NLP)-enabled data entry system was developed and evaluated. A complete prototype was created and was supported by proof of concept research testing. The system had complete functional integration, real-time processing for critical components, and accuracy above specifications laid out for Phase I. Role: PI

2006 Fox (PI), Riskin (co-PI) 6/01/2007 – 5/31/2008, Angel Investor Coalition $200,000, "Wound Closure Prototype Completion and Initial Testing." The design for a wound closure prototype was finalized and was subjected to benchtop testing. The product has subsequently undergone randomized human clinical trials with excellent results, FDA approval, patent issuance, and early commercialization within a spinout company, Wadsworth Medical Technologies. Role: co-PI

2004 Riskin (PI) 11/01/2004 – 4/30/2005, Stanford University Department of Pediatrics $30,000, "Wound Closure Device Design and Testing." The design of a device, an adhesive-based non-skin penetrating wound closure system, was improved and prototypes developed. This wound closure system was developed primarily for the pediatric market with potential transition to adults. A completed prototype was produced and bench testing showing excellent skin edge apposition, eversion, and strength. Role: PI

2003 Riskin (PI) 6/01/2003 – 4/01/2004, Cambridge-MIT Institute $250,000, "Academic Innovation in Economic Development." Concerning the subject of academic economic development, significant factors were defined and best practices were gathered. To disseminate the knowledge gained during this process, an international conference was held in England. This conference exceeded expected metrics with 250 participants from 33 countries. Role: PI

COMMUNITY SERVICE

Invited Judge, Stanford Business Association of Entrepreneurial Students (BASES) Challenge. Judged the Stanford Challenge provided feedback and support to entrants. 2011 – 2014

Volunteer for Urban Forest Renewal and Community Support, Canopy Organization of Palo Alto. 2009.

Invited Grant Reviewer, National Science Foundation. Evaluated phase II commercialization plans for NSF grants, supporting selected proposals with $750K to $1M in funding. 2005 and 2010.

Invited Judge, Columbia University Business Plan Competition. Judged the Columbia business plan competition and provided feedback and support to entrants. 2005

Lead Organizer, MIT $50K Entrepreneurship Competition. Led the top vehicle for innovation at MIT, working directly with the Chairman of MIT and managing a 100 person team and a $500K annual budget. 2003-2004.

Conference Leader, MIT Global Startup Workshop at Cambridge University, UK. Raised $250K and led a 25 person transcontinental team to organize the largest conference in history on academic economic development with more than 250 participants from 33 countries. 2003-2004.

Founder and Coordinator, Coalition of Volunteers from Boston University School of Medicine to Second Step Transitional Home. Organized and problem solved for 15-20 medical students volunteering time with child victims of domestic violence, 1997-1999.

Group Leader, Head Start Family Support Program of Boston. Organized group activities to assist underprivileged children and their parents to achieve better opportunities in life, 1998.

Cofounder and Outreach Coordinator, Domestic Violence Awareness Project of Boston. Arranged a city-wide program to bring together students to raise money and create programs to assist victims of domestic violence. Focused on assisting children exposed to violence and bringing in men as mentors and role models, 1996-1999.

Peer advisor, Boston University School of Medicine. Assisted entering medical students in adjusting to the rigorous medical environment and pursuing their goals, 1996-1997.

Co-coordinator, UC San Diego Student Health Fair. Coordinated over 60 local companies and organizations to finance and participate in a campus-wide fair which attracted over 3000 students, 1992.

TEACHING EXPERIENCE

Consulting Assistant Professor of Surgery, Stanford University, 2008 – present.

Faculty, NASA Singularity University, 2010 – present.

Faculty, NASA FutureMed, 2010 – present.

Faculty, Gershon Lehman Group Institute, 2014.

Lecturer in Surgery, Stanford University School of Medicine, 2004 – 2006.

Clinical Associate in Surgery, Tufts University School of Medicine, 2000 – 2002.

LANGUAGE SKILLS

Fluency in Spanish (residence in Colombia, extensive medical experience)

Fluency in Swedish (successful completion of Rikstestet college level fluency exam)

Conversational ability in French

Fluency in Java and C++

PUBLICATIONS AND PRESENTATIONS

Riskin, DJ. Strategy, Innovation, and Big Data in Healthcare. Featured Speaker. GLG Institute Strategy and Innovation Summit. San Francisco, California, June 2014.

Riskin, DJ. Data-Driven Healthcare. Keynote Speaker. Genentech Conference on Data Analytics. Burlingame, California, May 2014.

Riskin, DJ. Healthcare Innovation. Invited Speaker. HIMSS Innovation Showcase. Santa Clara, California, January 2014.

Riskin, DJ. Are Current Quality Measure and Interoperability Definitions Placing United States Healthcare Goals at Risk? Invited Podium Presentation. American Medical Informatics Association (AMIA) 2013 Annual Symposium. Washington, DC, November 2013.

Riskin, DJ. Big Data, Healthcare, and Biotech. Invited Speaker. Genentech. Moffett Field, California, Mar 2013.

Riskin, DJ. The Transition to Data Driven Healthcare. Invited Speaker. FutureMed at Singularity University. NASA, Moffett Field, California, Feb 2013.

Riskin, DJ. Epic Western Users Conference. Keynote Speaker. Data Driven Healthcare: The Future of ICD-10, Payment Reform, and Big Data. Stanford University, Stanford, California, Feb 2013.

Hofheinz, F, Dolin, B, Riskin, DJ. The Semantic Information Highway. Invited Speaker. American Medical Informatics Association Annual Conference. Chicago, Illinois, Nov 2012.

Riskin, DJ. Paradigm Shifts in Healthcare. Invited Speaker. Services Research Innovation Institute, founded by IBM and HP. San Jose, California, Jul 2012.

Riskin, DJ. Innovation in Healthcare: Data and Paradigm Shifts. Invited Speaker. NASA Singularity University at Ames Research Center. Moffett Field, California, July 2012.

Riskin, DJ. Semantics in Analytics. Invited Speaker. HealthTech Next Generation. San Francisco, California, May 2012.

Riskin, DJ. The Future of Healthcare Innovation. Invited Speaker. NASA FutureMed at Ames Research Center. Moffett Field, California, May 2011.

Riskin, DJ. Data Driven Healthcare: From Devices to New Care Paradigms. Invited Speaker. Stanford University Surgery Grand Rounds. Stanford, California, May 2011.

Riskin, DJ. Healthcare Information Technology: The Provider Perspective. Invited Speaker. Services Research Innovation Institute, founded by IBM and HP. San Jose, California, Apr 2011.

Riskin, DJ. Innovation in a New Era of Healthcare. Keynote Speaker for 2010 International Symposium on remote health care - a breakthrough, sustainable, technology-driven. Industrial Technology Research Institute and Government of Taiwan. Taipei, Taiwan, Nov 2010.

Riskin, DJ. The Future of Information Technology in Healthcare Services. Invited Speaker for IBM and HP. Service Research and Innovation Institute Global Summit. Half Moon Bay, California, Jan 2010.

Chao KZ, Riskin DJ, Krummel TM. A Patient-Centered, Ethical Approach to Medical Device Innovation. Virtual Mentor. 12:91-95, Feb 2010.

Riskin, DJ, Tsai, TC, Brundage, S, et al. Massive transfusion protocols: the role of aggressive resuscitation versus product ratio in mortality reduction. Journal of American College of Surgeons, 209(2): 198-205, Aug 2009.

Riskin, DJ. Medical Technology Innovation: Past, Present, and Future. Invited Speaker. NASA Ames Research Center Singularity University. Moffett Field, California, Jul 2009.

Riskin, DJ. Surgical Innovation: What Have We Learned? Invited Speaker. Society of American Gastrointestinal and Endoscopic Surgeons. Phoenix, Arizona, Apr 2009.

Riskin, DJ, Brundage, S, et al. Reduced Mortality after Implementation of Massive Transfusion Protocol: a Single Trauma Center Experience. Invited Speaker. American College of Surgeons Annual Congress, Oct 2008.

Riskin, L, Egger-Halbeis, C, & Riskin, DJ. Anesthesia Information Management Systems. In Dwivedi, A. (Ed.), Handbook of Research on Information Technology Management and Clinical Data Administration in Healthcare. Hershey, PA: IGI-Global; 2009: 465-481.

Riskin, DJ, Spain, DA. Trauma Surgery Procedures. In: Anesthesiologist's Manual of Surgical Procedures, 4th ed., Philadelphia, PA: Lippincott, Williams & Wilkins; 2009: 713-742.

Riskin, DJ and Toplosky, L. User Based Innovation in Medical Technology. Invited Speaker. Cho Ray Hospital. Ho Chi Minh City, Vietnam, Jun 2008.

Garland, AM, Riskin, DJ, et al. A County Hospital Surgical Practice: A Model for Acute Care Surgery. American Journal of Surgery, 194(6): 758-63, Dec 2007.

Brenner, M, Riskin, DJ, Shew, SS. Neonatal ECMO with an absent Right Superior Vena Cava. Presented at ACS Southern California Chapter Meeting, Jan 2007.

Riskin, DJ, Longaker, MT, Krummel, TK. Innovation in Surgery: A Historical Perspective. Annals of Surgery, 244(5): 686-693, Nov 2006.

Riskin, DJ, Longaker, MT, Krummel, TK. The Ethics of Innovation in Pediatric Surgery. Seminars in Pediatric Surgery, 15(4): 319-23, Nov 2006.

Krummel, TM, Gertner, M, Riskin, DJ, et al. Inventing our Future: Training the Next Generation of Surgeon Innovators. Seminars in Pediatric Surgery, 15(4), 309-18, Nov 2006.

Riskin, DJ. Translating Civilian and Defense Technologies for Pediatric Research. Invited speaker. National Institutes of Health (NIH) and Defense Advanced Research Projects Agency (DARPA). Bethesda, Maryland, May 16-17, 2005.

Riskin, DJ. Carl Abrams Show. WBIX 1060. Lead Story, May 7, 2005.

Krummel, TK, Yock, P, Riskin, DJ, et al. Innovation in Surgery. Invited Speaker. Stanford University Surgery Grand Rounds. Palo Alto, CA, Jan 2005.

Riskin, DJ. "MarketWrap with Mark Mills." WBIX 1060. Lead Story, May 2004.

Riskin, DJ and Richards, MT. Technology Development and Entrepreneurship through Academia. Invited Speaker. Presented at the Global Startup Workshop. Cambridge University. Cambridge, England, Mar 2004.

Riskin, DJ and Osofsky, MD. Innovative Robotic Devices in Coronary Bypass Surgery. Invited Speaker. Presented at Massachusetts General Hospital CIMIT Forum. Boston, MA, June 2003.

Riskin, DJ and Richards, MH. Featured MBA Insider Video Views. Business Week Online, Jan 2003.

Riskin, DJ and Schwaitzberg, SD. A Comparison of Holding Strength of Various Surgical Clips. Surgical Endoscopy, 17(4), 654-6, Apr 2003.

Curtis, BJ and Riskin, DJ. Global Academic Technology Development and Entrepreneurship. Invited Speaker. Tsinghua University. Beijing, China, Mar 2003.

Riskin, DJ and Schwaitzberg, SD. Novel Technology in Minimally Invasive Surgery. Invited Presentation at SAGES National Conference, May 2001.

Mistry, B, Holloway, RF, Riskin, DJ, et al. Perforated Posterior Duodenal Wall Ulcer: Case Report and Review of Literature. Contemporary Surgery 57 (9): 453-55, Sept 2001.

Riskin, DJ. On Call v2.0 (medical call scheduling software), copyright 1999, www.callsoftware.com.

PENDING AND ISSUED PATENTS

Riskin, DJ, Shroff, A. Methods for Clinical Cohort Identification. PCT/US13/67283. Filing date Oct 29, 2013.

Riskin, DJ. Systems and Methods for Processing Patient Information. PCT/US13/55591. Filing date Aug 19, 2013.

Riskin, DJ, Friedman, C. Systems and Methods for Processing Patient Data History. PCT/US12/027767. Filing date Mar 5, 2012.

Riskin, DJ, Tiwari, RR. A Voice Based System and Method for Data Input. PCT/US12/20226. Filing date Jan 4, 2012.

Riskin, DJ, Fox AD, Barenboym, M. Systems and Methods for Closing a Tissue Opening. US Utility Patent Application 20090036922. Filing date Mar 31, 2008. Issued May 12, 2010.

Laposata, M and Riskin, DJ. Systems and Devices for Assessment and Treatment of a Myocardial Ischemic Event. US Utility Patent Application 11/706,926. Filing date Feb 15, 2007.