**Brian K Erly MD MPH**

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**HEALTH SYSTEMS EXPERT | UNFLAPPABLE LEADER | CROSSFUNCTIONAL COMMUNICATOR**

* Spearheaded implementation of a new electronic medical record at two large tertiary referral hospitals, leading teams of EMR implementation specialists to guide anxious, befuddled, and occasionally resentful healthcare professionals onto a modern system with improved patient-care functionality
* Led multidisciplinary healthcare teams to admit, treat, and safely discharge over 200 patients in a single year, coordinating the effort of diverse professionals to address problems ranging from dissecting aortas, to homelessness in recent immigrants, to institutional barriers to optimal care.
* Developed and delivered presentations ranging from program improvement strategies to US Army Colonels, the MCAT to anxious pre-meds, the alphabet to Peruvian elementary school students, to arrhythmia treatment options to scared cancer patients.

**DETROIT MEDICAL INFORMATICS / VANAMED** 2017—Present

*Auburn, MA; Las Vegas, NV*

***EMR Implementation Consultant***

I shepherded clinicians and healthcare staff at two large academic medical centers through the fraught transition from archaic paper-based charting to a modern electronic health medical record system.

* Led 5 EMR experts from varying clinical backgrounds (MDs, RNs, and others) to ensure around-the-clock coverage for a 30-bed general medicine floor at UMC Las Vegas.
* Spearheaded EMR transition with a medium sized hospitalist group from go-live to independent function, providing remedial at-the-elbow training for technologically impaired clinicians and integrations support with legacy billing and census software
* Developed and implemented several patient safety monitoring interventions on a large transplant nursing floor, including CLABSI and fall prevention
* Created and honed over 100 customized macros, templates, pre-filled forms, and other provider tools to facilitate workflow

**SKETCHYMEDICAL** 2017—Present

*Los Angeles, CA*

***Section Editor*** 2018—Present

***Clinical Expert*** 2017—2018

SketchyMedical upends the staid world of medical education by creating engaging, memorable test preparation materials—with a uniquely cheeky and irreverent bent—for the US Medical Licensing Exam.

While I began by writing clinical questions in my spare time, I quickly advanced to the role of section editor, honing and refining content created by physicians, pharmacists and medical educators to ensure a tonally consistent, clinically relevant, and highly entertaining product.

* Leverage clinical experience and dry, ironic humor to create compelling educational material reviewing infectious disease pathology and pharmacology, with special focus on infectious myocarditis and HIV pharmacology and resistance patterns
* Incorporate latest clinical research, national guidelines, and expert consensus to ensure comprehensive, accurate, and applicable material.
* Work with graphical and spreadsheet project management software to ensure timely delivery of high-quality products

**UC DAVIS HEALTH SYSTEM** 2016—2017

*Sacramento CA*

***Resident Physician, Internal Medicine***

I practiced general medicine at three large Sacramento-area hospitals, including a 500+ bed academic hospital, a 150-bed Kaiser facility, and a 60-bed VA. I was primarily responsible for diagnosis and coordinating of care plans of up to 12 patients, with cross-functional teams of medical professionals; on overnight shifts I covered up to 48 hospitalized patients over three hospital floors.

* Created, and prioritized, and implemented patient care plans; led and directed a multidisciplinary team consisting of up to 10 subspecialist physicians, nurses, medical students, nurse’s aids, physical and occupational therapists, and social workers
* Managed patients throughout the care continuum, from admission, rehab, discharge, and outpatient follow-up and testing.
* Discussed and negotiated patient discharge plans at legal hearings, ensuring safe, appropriate, and affordable post-discharge care for patients.
* Led family meetings dealing with fraught and delicate goals of care and end of life discussions, ensuring patients received culturally appropriate and dignified care.

**UC ARMY PUBLIC HEALTH COMMAND REGION: EUROPE** 2012

*Landstuhl, Germany*

***Program Evaluation Consultant***

As part of an ORISE contract, I performed an evidence-based evaluation of wellness centers and programming at five US Army bases in Germany, with a goal of improving program effectiveness, capacity, and alignment with guidelines. Working within the Department of Epidemiology, I also performed infectious disease surveillance, including patient interviews and data compilation.

* Created, refined, and delivered 3-year staged amelioration plan to Colonel-level military staff, including interventions designed to immediately improve capacity and reduce redundancy in programs.
* Interviewed active duty servicemen about infectious disease exposures related to hantavirus, malaria, and other reportable diseases obtained both locally and in the Middle East
* Developed a phased yoga pilot program, overcoming institutional resistance to nonwestern practices.

**BRUCE PERU** 2010

*Trujillo, Peru*

***Elementary School Teacher***

* Wrangled local kindergarten students into learning basic literacy, arithmetic skills using a combination of bribery, pushups.
* Alleviated health effects of poverty by educating parents on dental hygiene, drinking water safety, and vaccinations

**UNIVERSITY OF ARIZONA / PHOENIX BIOMETRICS** 2004-2010

*Tucson, AZ*

***Product Development Engineer*** 2007-2010

***Research Assistant*** 2004-2007

Based on research on lung injury mechanisms at our lab at the University of Arizona, developed a next-generation chemical sensor capable of detecting a range of chemical and biological threat agents.

* Designed iterative prototypes, taking sensor from an immobile laboratory apparatus to a portable hand-held device.
* Created and delivered presentations for both public and private investors, comprised of videos, slide decks, and product demonstrations.

**EDUCATION**

***Case Western Reserve School of Medicine*** MD, 2016

* Research at the Imaging Institute at the Cleveland Clinic led to 2 international conference presentations and 3 peer reviewed articles
* MC’d Doc Opera, a charity variety show, in front over a thousand clinicians, educators, and hospital administrators; raising tens of thousands for local charity clinics.

***University of Arizona*** MPH 2013

BA 2010

* Completed MPH in Public Health Practice while concurrently enrolled in medical school
* Marketing Director for Social Justice Symposium; developed visual identity and marketing strategy
* Completed double major BA in Chemistry and Classics while serving as team captain and treasurer of the Arizona Wrestling Team, and subsequently racing in triathlons throughout the Southwest.
* Undergraduate GPA: 3.80, Magna Cum Laude, Phi Beta Kappa
* Graduate GPA: 3.89

**TEST SCORES**

* SAT 1550 (99th Percentile)
* ACT 33 (99th Percentile)
* GRE 700VR/780QR (96th/98th Percentile)
* MCAT 34R (91st Percentile)
* USMLE Step 1 258 (92nd Percentile)