

## Company and Platform Information

**Elemeno Health**, the developer of a proprietary cloud-based solution for front-line healthcare teams, was co-founded in 2016 by UCSF Pediatric ICU Medical Director Arup Roy-Burman, MD, and veteran Electronic Arts (EA) Game Developer, Ed Nanale, to address a critical, unmet need in healthcare. The Elemeno platform, which is accessible on desktop and mobile devices, is a context-driven, microlearning solution designed to advance quality and patient safety at the point of care. The company, a [UCSF startup](#), is backed by leading seed-stage digital health investor, Launchpad Digital Health, Silicon Valley tech accelerator, Y Combinator, and leading regulatory tech venture investor, Fenway Summer.

Developed in collaboration with UCSF Medical Center, the Elemeno platform provides “just-in-time” training, enabling front-line medical professionals to access interactive guidelines, smart checklists and concise how-to videos. Complicated best practices are simplified into bite-sized learning. In addition, social and “gamification” elements included in the platform enable frontline teams and management to give each other recognition and hold friendly departmental challenges. Through end-user analytics, institutional administration and leadership are able to gain deep insight into caregiver behavior and practice effectiveness.

### Current Issues in Healthcare

As technology is fueling the exponential growth of healthcare knowledge, there is a rapidly expanding gap between what institutions know and what frontline caregivers do. This knowledge-practice gap results in errors, inconsistencies in care, inefficiencies in workflow and burnout.

Currently, it is difficult to implement consistent best practices across hospital teams. Best practice guidelines, checklists and videos that doctors and nurses need to reference on a regular basis are scattered in different places and are challenging to find.

Medical errors are the no. 3 cause of death in the US after heart disease and cancer, and at least 250,000 deaths each year can be attributed to medical care that has gone awry according to an [analysis](#) published in *The BMJ* (formerly *The British Medical Journal*).<sup>1</sup> Failures of care delivery and coordination cost the US nearly \$200 billion annually according to [Health Affairs](#).<sup>2</sup> Hospital Acquired Infections (HAI), one class of medical errors, costs US healthcare \$10 billion annually.<sup>3</sup> In a recent [article](#) in *Becker's Hospital Review*, almost half of physicians reported they were burned out, which can lead to mistakes and even more serious consequences.<sup>4</sup>

### Research and Results

In 2017, UCSF published a peer-reviewed clinical study in the [American Journal of Medical Quality](#) demonstrating how Elemeno Health provides healthcare with a scalable digital solution through an approach that is based on just-in-time microlearning and self-assessment checklists. Specifically, in a one-year study at UCSF Benioff Children's Hospital San Francisco, the Elemeno prototype was deployed to target central line care. The published results showed that the platform helped UCSF implement best practices and cut central line infections (a costly and deadly HAI) in half, saving over \$1 million and an estimated three lives. At the 2017 [American College of Medical Quality](#) National Conference, Elemeno Health presented two oral [abstracts](#) that additionally demonstrated efficacy in decreasing *C. difficile* hospital-acquired diarrhea, and improving staff engagement and patient satisfaction.

Elemeno Health is a 2016 Medical Entrepreneurship & Disruption ([MEDy](#)) award winner. The Elemeno platform is in use by teams in multiple large academic medical centers and county health systems throughout the US. More information may be found at [www.elemenohealth.com](http://www.elemenohealth.com).

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<sup>1</sup>The BMJ, 2016

<sup>2</sup>Health Affairs, 2012

<sup>3</sup>JAMA, 2013

<sup>4</sup>Becker's Hospital Review, 2017