

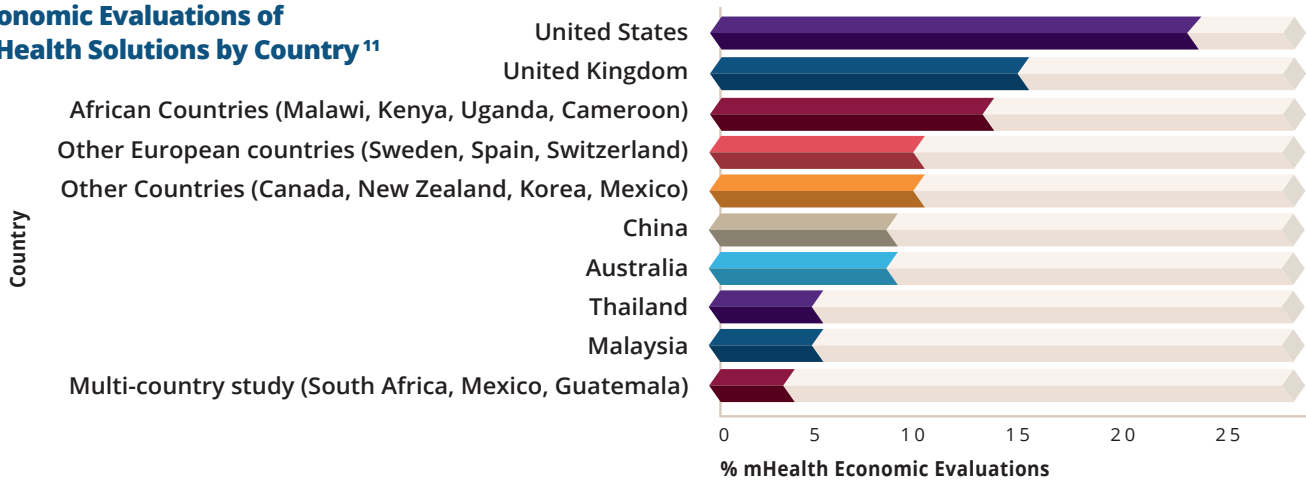
By the Numbers: The New Digital Healthcare Ecosystem

Section Editor: The ISPOR Student Network

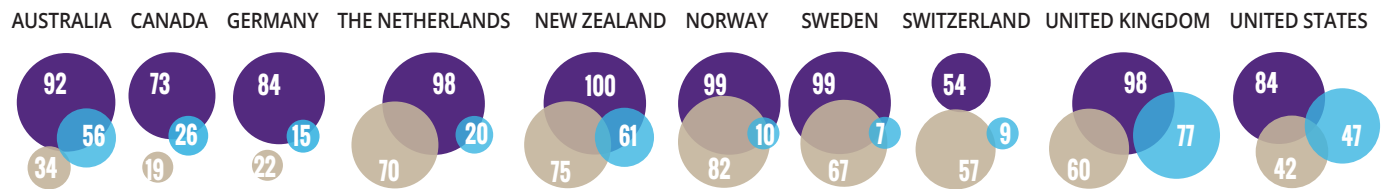
Digital Healthcare: A Timeline

- 1993** Japanese electronics manufacturer, Panasonic™, releases a compact and automatic wrist cuff blood pressure monitor¹
- 1996** Health Insurance Portability and Accountability Act passed by United States Congress that sets standards for confidentiality around personal health information²
- 1998** The Data Protection Act sets standards for maintaining confidentiality of patient records in the United Kingdom³
- 2000** The daVinci® robotic surgical system that incorporates weak artificial intelligence is approved by the US Food and Drug Administration (FDA)⁴
- 2004** PatientsLikeMe.com is founded to help connect patients with amyotrophic lateral sclerosis. Today, it consists of 650,000+ members across 2900 conditions representing greater than 43 million data points⁵
- 2007** Fitbit® founded with the vision of creating a wearable product to improve fitness and health⁶
- 2009** Google Flu Trends reports a potential swine flu outbreak in Mexico several weeks before clinical epidemiology system reports the same⁷
- 2014** A survey by Medscape reveals nearly 83% of physicians in the United States utilize electronic health records⁸
- 2016** A study by PricewaterhouseCoopers reveals that nearly 50% of all US consumers own a wearable device⁹
- 2017** The FDA releases its Digital Health Innovation Action Plan to develop approaches for the regulation of digital health products¹⁰

Economic Evaluations of mHealth Solutions by Country¹¹



The Use of Health Information Technology by Primary Care Doctors in 10 Countries, 2015¹²



Numbers represent % of primary care doctors surveyed in each country.

KEY: ● Use an electronic medical record ● Routinely receive computerized reminders for guideline-based intervention or screening tests ● Can electronically exchange patient clinical summaries with doctors outside practice

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References available online