Table S1. List of top 100 most cited digital health papers

Rank	Paper	Citations
1	Schwartz G, Tee BCK, Mei JG, Appleton AL, Kim DH, Wang HL, Bao ZN. Flexible polymer transistors with high pressure sensitivity for application in electronic skin and health monitoring. Nat Commun. 2013;4:1859.	1559
2	Free C, Phillips G, Watson L, Galli L, Felix L, Edwards P, Patel V, Haines A. The Effectiveness of Mobile-Health Technologies to Improve Health Care Service Delivery Processes: A Systematic Review and Meta-Analysis. PLOS Med. 2013;10:e1001363.	1440
3	Islam SMR, Kwak D, Kabir MH, Hossain M, Kwak KS. The Internet of Things for Health Care: A Comprehensive Survey. IEEE Access. 2015;3:678-708.	1286
4	Patel S, Park H, Bonato P, Chan L, Rodgers M. A review of wearable sensors and systems with application in rehabilitation. J Neuroeng Rehabil. 2012;9:21.	1261
5	Norman CD, Skinner HA. eHealth literacy: Essential skills for consumer health in a networked world. J Med Internet Res. 2006;8:e9.	1154
6	Martinez AW, Phillips ST, Carrilho E, Thomas SW, Sindi H, Whitesides GM. Simple telemedicine for developing regions: Camera phones and paper-based microfluidic devices for real-time, off-site diagnosis. Anal Chem. 2008;80:3699-3707.	1114
7	Ting DSW, Cheung CYL, Lim G, Tan GSW, Quang ND, Gan A, Hamzah H, Garcia-Franco R, Yeo IYS, Lee SY, Wong EYM, Sabanayagam C, Baskaran M, Ibrahim F, Tan NC, Finkelstein EA, Lamoureux EL, Wong IY, Bressler NM, Sivaprasad S, Varma R, Jonas JB, He MG, Cheng CY, Cheung GCM, Aung T, Hsu W, Lee ML, Wong TY. Development and Validation of a Deep Learning System for Diabetic Retinopathy and Related Eye Diseases Using Retinal Images From Multiethnic Populations With Diabetes. JAMA-J Am Med Assoc. 2017;318:2211-2223.	1039
8	Stoyanov SR, Hides L, Kavanagh DJ, Zelenko O, Tjondronegoro D, Mani M. Mobile App Rating Scale: A New Tool for Assessing the Quality of Health Mobile Apps. JMIR mHealth uHealth. 2015;3:e27.	1032
9	Eysenbach G. CONSORT-EHEALTH: Improving and Standardizing Evaluation Reports of Web-based and Mobile Health Interventions. J Med Internet Res. 2011;13:e126.	985
10	Hu PJ, Chau PYK, Sheng ORL, Tam KY. Examining the technology acceptance model using physician acceptance of	955

	telemedicine technology. J Manage Inform Syst. 1999;16:91-112.	
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12	Black AD, Car J, Pagliari C, Anandan C, Cresswell K, Bokun T, McKinstry B, Procter R, Majeed A, Sheikh A. The Impact of eHealth on the Quality and Safety of Health Care: A Systematic Overview. PLOS Med. 2011;8:e1000387.	769
13	Nahum-Shani I, Smith SN, Spring BJ, Collins LM, Witkiewitz K, Tewari A, Murphy SA. Just-in-Time Adaptive Interventions (JITAIs) in Mobile Health: Key Components and Design Principles for Ongoing Health Behavior Support. Ann Behav Med. 2018;52:446-462.	762
14	Perez MV, Mahaffey KW, Hedlin H, Rumsfeld JS, Garcia A, Ferris T, Balasubramanian V, Russo AM, Rajmane A, Cheung L, Hung G, Lee J, Kowey P, Talati N, Nag D, Gummidipundi SE, Beatty A, Hills MT, Desai S, Granger CB, Desai M, Turakhia MP. Large-Scale Assessment of a Smartwatch to Identify Atrial Fibrillation. New Engl J Med. 2019;381:1909-1917.	706
15	Krebs P, Duncan DT. Health App Use Among US Mobile Phone Owners: A National Survey. JMIR mHealth uHealth. 2015;3:e101.	691
16	Chau PYK, Hu PJH. Information technology acceptance by individual professionals: A model comparison approach. Decision Sci. 2001;32:699-719.	635
17	Riley WT, Rivera DE, Atienza AA, Nilsen W, Allison SM, Mermelstein R. Health behavior models in the age of mobile interventions: are our theories up to the task?. Transl Behav Med. 2011;1:53-71.	632
18	Ekeland AG, Bowes A, Flottorp S. Effectiveness of telemedicine: A systematic review of reviews. Int J Med Inform. 2010;79:736-771.	617
19	Eysenbach G. Medicine 2.0: Social Networking, Collaboration, Participation, Apomediation, and Openness. J Med Internet Res. 2008;10:e22.	614
20	Fitzpatrick KK, Darcy A, Vierhile M. Delivering Cognitive Behavior Therapy to Young Adults With Symptoms of Depression and Anxiety Using a Fully Automated	599

	Conversational Agent (Woebot): A Randomized Controlled Trial. JMIR Ment Health. 2017;4:e19.	
21	Hilty DM, Ferrer DC, Parish MB, Johnston B, Callahan EJ, Yellowlees PM. The Effectiveness of Telemental Health: A 2013 Review. Telemed E-Health. 2013;19:444-454.	571
22	Yardley L, Morrison L, Bradbury K, Muller I. The Person-Based Approach to Intervention Development: Application to Digital Health-Related Behavior Change Interventions. J Med Internet Res. 2015;17:e30.	560
23	Kumar S, Nilsen WJ, Abernethy A, Atienza A, Patrick K, Pavel M, Riley WT, Shar A, Spring B, Spruijt-Metz D, Hedeker D, Honavar V, Kravitz R, Lefebvre RC, Mohr DC, Murphy SA, Quinn C, Shusterman V, Swendeman D. Mobile Health Technology Evaluation The mHealth Evidence Workshop. Am J Prev Med. 2013;45:228-236.	555
24	Norman CD, Skinner HA. eHEALS: The eHealth Literacy Scale. J Med Internet Res. 2006;8:e27.	546
25	Peek STM, Wouters EJM, van Hoof J, Luijkx KG, Boeije HR, Vrijhoef HJM. Factors influencing acceptance of technology for aging in place: A systematic review?. Int J Med Inform. 2014;83:235-248.	545
26	Chau PYK, Hu PJH. Investigating healthcare professionals' decisions to accept telemedicine technology: an empirical test of competing theories. Inform Manage-Amster. 2002;39:297-311.	529
27	Ohannessian R, Duong TA, Odone A. Global Telemedicine Implementation and Integration Within Health Systems to Fight the COVID-19 Pandemic: A Call to Action. Jmir Public Hlth Sur. 2020;6:e18810.	514
28	Cotten SR, Gupta SS. Characteristics of online and offline health information seekers and factors that discriminate between them. Soc Sci Med. 2004;59:1795-1806.	512
29	Breslauer DN, Maamari RN, Switz NA, Lam WA, Fletcher DA. Mobile Phone Based Clinical Microscopy for Global Health Applications. PLOS One. 2009;4:e6320.	501
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31	Ting DSW, Pasquale LR, Peng L, Campbell JP, Lee AY, Raman R, Tan GSW, Schmetterer L, Keane PA, Wong TY. Artificial intelligence and deep learning in ophthalmology. Brit J Ophthalmol. 2019;103:167-175.	484

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34	Vashist SK, Luppa PB, Yeo LY, Ozcan A, Luong JHT. Emerging Technologies for Next-Generation Point-of-Care Testing. Trends Biotechnol. 2015;33:692-705.	473
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36	Yardley L, Spring BJ, Riper H, Morrison LG, Crane DH, Curtis K, Merchant GC, Naughton F, Blandford A. Understanding and Promoting Effective Engagement With Digital Behavior Change Interventions. Am J Prev Med. 2016;51:833-842.	464
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45	Mettler M. Blockchain Technology in Healthcare The Revolution Starts Here. 2016 IEEE 18th International Conference on e-Health Networking, Applications and Services (Healthcom). 2016;doi:10.1109/HealthCom.2016.7749510.	414
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54	Whitehead L, Seaton P. The Effectiveness of Self-Management Mobile Phone and Tablet Apps in Long-term	389

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55	Choi NG, DiNitto DM. The Digital Divide Among Low-Income Homebound Older Adults: Internet Use Patterns, eHealth Literacy, and Attitudes Toward Computer/Internet Use. J Med Internet Res. 2013;15:e93.	389
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63	Haghi M, Thurow K, Stoll R. Wearable Devices in Medical Internet of Things: Scientific Research and Commercially Available Devices. Healthc Inform Res. 2017;23:4-15.	359
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	on lensless incoherent holography for telemedicine applications. Lab Chip. 2010;10:1417-1428.	
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88	Mateo GF, Granado-Font E, Ferre-Grau C, Montana-Carreras X. Mobile Phone Apps to Promote Weight Loss and Increase	311

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