

This revised fact sheet was initially prepared in 2008 by Neil Pakenham-Walsh and fellow members of the Healthcare Information for All by 2015 (HIFA2015) Steering Group with inputs from the PPE Secretariat. HIFA2015 is now Healthcare Information for All (HIFA), a global health network with more than 18,000 members (health workers, librarians, publishers, researchers, policymakers...) committed to the progressive realisation of a world where every person has access to the healthcare information they need to protect their own health and the health of others. See www.hifa.org.

REFERENCES

Aluttis C, Bishaw T, Frank MW. The workforce for health in a globalized context—global shortages and international migration. *Glob Health Action*. 2014 Feb 13;7:23611.

Anand S, Bärnighausen T. Human resources and health outcomes: Cross-country econometric study. *Lancet* 2004; 364: 1603–9

Bollinger, R., Chang, L., Jafari, R., O'Callaghan, T., Ngatia, P., Settle, D., ... Al Shorbaji, N. (2013). Leveraging information technology to bridge the health workforce gap. *Bulletin of the World Health Organization*, 91(11), 890–892.

Campbell J, Buchan J, Cometto G, David B, Dussault G, Fogstad H, Fronteira I, Lozano R, Nyonator F, Pablos-Méndez A, Quain EE, Starrs A, Tangcharoensathien V. Human resources for health and universal health coverage: fostering equity and effective coverage. *Bull World Health Organ*. 2013 Nov 1;91(11):853-63. 10.2471/BLT.13.118729. PMID: 24347710; PMCID: PMC3853950.

Godlee F, Pakenham-Walsh N, Ncayiyana D, Cohen B & Packer A (2004). Can we achieve health information for all by 2015? *Lancet*;364(9430). Available at: [www.lancet.com/journals/lancet/article/PIIS0140-6736\(04\)16681-6/fulltext](http://www.lancet.com/journals/lancet/article/PIIS0140-6736(04)16681-6/fulltext)

Jimba M, Cometto G, Yamamoto T, Shiao L, Huicho L, Sheikh M. Health workforce: the critical pathway to universal health coverage. *Montreux: First Global Symposium on Health Systems Research*; 2010. http://healthsystems-research.org/hsr2010/images/stories/10health_workforce.pdf (accessed 19 December 2019)

Global Health Security Agenda. Workforce development action package. <https://ghsagenda.org/home/action-packages/workforce-development/> (accessed 19 December 2019)

Global Action Plan on Antimicrobial Resistance. World Health Organization. 2015 <https://www.who.int/antimicrobial-resistance/global-action-plan/en/> (accessed 19 December 2019)

Global strategy on human resources for health: workforce 2030. Geneva: World Health Organization; 2016 https://www.who.int/hr/resources/pub_globstrathrh-2030/en/ (accessed 19 December 2019)

Framework on integrated, people-centred health services. Geneva: World Health Organization; 2016 http://apps.who.int/gb/ebwha/pdf_files/WHA69/A69_39-en.pdf?ua=1 (accessed 19 December 2019)

HIFA (n.d.). Why HIFA is needed' <http://www.hifa.org/about-hifa/why-hifa-needed> (accessed 19 December 2019)

Kononowicz AA, Woodham LA, Edelbring S, Stathakarou N, Davies D, Saxena N, Tudor Car L, Carlstedt-Duke J, Car J, Zary N. Virtual Patient Simulations in Health Professions Education: Systematic Review and Meta-Analysis by the Digital Health Education Collaboration. *J Med Internet Res*. 2019 Jul 2;21(7):e14676.

Maloney S, Tunnecliff J, Morgan P, Gaida JE, Clearihan L, Sadasivan S, Davies D, Ganesh S, Mohanty P, Weiner J, Reynolds J, Ilic D. Translating Evidence Into Practice via Social Media: A Mixed-Methods Study. *J Med Internet Res*. 2015 Oct 26;17(10):e242.

Transforming and scaling up health professionals' education and training. Geneva: World Health Organization; 2013 https://www.who.int/hrh/resources/transf_scaling_hpet/en/ (accessed 19 December 2019)

Measuring digital development. Facts and figures. Geneva: International Telecommunication Union; 2019 <https://www.itu.int/en/I-TU-D/Statistics/Documents/facts/Facts-Figures2019.pdf> (accessed 19 December 2019)

Information technology (IT) in the new global strategy on human resources for health. Breakout session at the GETHealth Summit, Dublin, Republic of Ireland, 14 November 2014 http://www.who.int/workforcealliance/media/news/2014/4HSE_GlobalHealthProgrammeIreland.pdf?ua=1 (accessed 19 December 2019).

