Digital Ecosystem

Open and secured environment for digitalizing healthcare

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Digitalization in healthcare holds great promise. It has the potential to keep people out of an in-patient environment and direct patients in acute settings into the right care pathway more efficiently. It can help benchmark performance, steer diagnosis and treatment more precisely, establish best-practices faster – and much more. By drawing on the power of digitalization, many of today's healthcare challenges can be overcome, allowing providers to save resources and enjoy better outcomes.

From big data to actionable insights

Healthcare data grows at 48%[1] year over year. But data is not relevant if you cannot turn it into information. The lack of interoperability and data management strategy in healthcare systems is still a big challenge. How can providers develop the right infrastructure, tools, and processes to turn data into actionable insights to improve healthcare?

Digitalization readiness

Implementing digital offerings into the healthcare environment comes with specific requirements to ensure data privacy compliance, scalability, and interoperability of existing IT infrastructures. The number of healthcare informatic experts needed in the U.S. will increase 17% by 2024[2], much faster than the average for all occupations. In 2014, clinical application support specialists were the most hired function[3] in Healthcare IT. How can providers advance the digitalization of their institution with given resources?
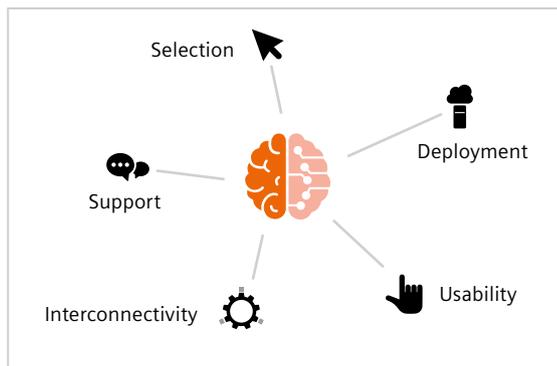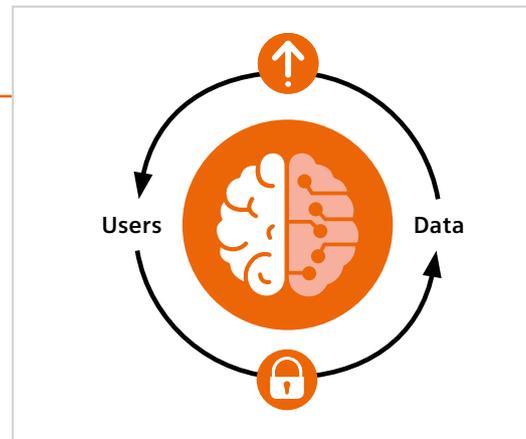
Procuring digital health offerings

Efficient procurement practices can help providers rapidly reduce supply costs in ways that do not compromise patient care. Yet, procurement of digital offerings is raising the level of complexity; the market for mobile health applications for example is diverse with more than 320,000 apps[4] to choose from. How can providers purchase digital offerings with reasonable efforts?

Providing an open and secured environment

The Siemens Healthineers Digital Ecosystem[5] provides an open and secured environment for digitalizing healthcare with an evolving spectrum of users, data, and digital offerings based on shared capabilities. It effectively integrates and interconnects healthcare data and knowledge from a global and diverse network of healthcare stakeholders to foster innovation and collaboration across the healthcare care continuum.

Fast and easy access to actionable insights

Access and utilization of digital offerings developed in house and by partners will be fast and easy. A digital marketplace[6] will provide selection and trial installation options for users. Healthcare institutions will be supported to purchase and deploy digital health offerings in their setting – locally installed or cloud-enabled.

Harnessing the power of digital

We intend to serve a wide spectrum of clinical, operational, and financial tasks and functions in the healthcare delivery. Digital offerings within the Siemens Healthineers Digital Ecosystem allow a variety of stakeholders in the healthcare delivery to gain fast and easy access to actionable insights and help increase decision making capabilities.

Click here for more information

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1) Source: Stanford Medicine 2017 Health Trends Report/Deloitte
2) Source: Bureau of Labor Statistics, United States Department of Labor, December 2015
3) Source: Hospital IT departments' top 10 areas for hiring FTEs, outsourcing, Helen Gregg, August 25, 2014
4) Digital healthcare: regulating the revolution: BMJ 2018;360:k6
5) Siemens Healthineers Digital Ecosystem is not commercially available in all countries. If the services are not marketed in countries due to regulatory or other reasons, the service offering cannot be guaranteed. Please contact your local Healthineers organization for further details.
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