

Transformative technologies in life sciences

Artificial intelligence (AI)

The potential to revolutionize diagnoses, treatment planning, patient monitoring, and drug discovery

Internet-of-medical-things (IoMT)

Valued at US\$41.2 billion in 2017, the IoMT market is expected to rise to US\$158.1 billion in 2022

Software-as-a-Medical-Device (SaMD)

- Allows patients to play a more active role in their own health care
- SaMD has, at times, outperformed the accuracy of diagnoses by trained clinicians
- Regulation of SaMD is expected to need to become more agile

Blockchain

Potential solution to more easily aggregate and share health data in a secure, trusted, automated, and error-free way

DIY diagnostics and virtual care

- Consumers are increasingly open to new channels of care—particularly at-home diagnostic testing
- Could help low-income or rural consumers determine if a condition warrants a visit to a doctor or hospital

Future of mobility

- Shifting attitudes toward mobility and changing the way people and goods move
- Could improve access to care

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