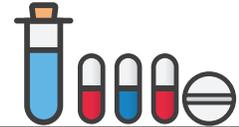


# Embracing exponential changes in technology

AI, cognitive technologies, automation, and computing power are creating a transformation opportunity

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The industrialization of life sciences!



## Impact

- ⊖ Increasing data capabilities
- ⊖ Adopting enterprise-wide, real-world-evidence (RWE) strategies
- ⊖ Advanced digital & cognitive computing
- ⊖ Partnering with tech
- ⊖ 3D printing
- ⊖ Blockchain

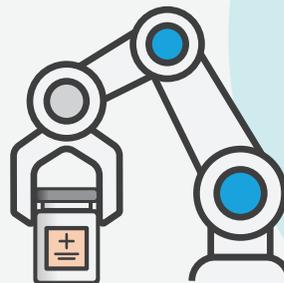


Improve patient outcomes



## Exponential technologies impact:

- ⊖ Cloud can improve analytical systems' overall performance to manage Real-World Data
- ⊖ Improving the speed and outcomes of clinical development
- ⊖ Supply chain via connected 'Digital Supply Networks'
- ⊖ Assist in dealing with cyber threats



Life sciences companies need speed, scale, complexity and security solutions = cloud computing

New technologies are creating new roles in life sciences (i.e. Chief Data Officer)

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