













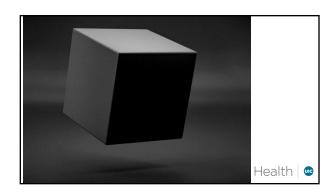


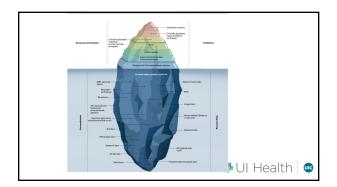


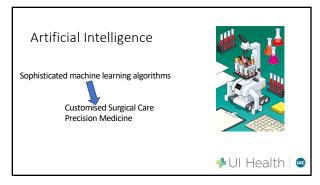
## Big Data

- Huge amounts of data from electronic health records, imaging and wearable devices
  Registries (the International Consortium of Vascular Registries (ICVR) VASCUNET, SVS VQI, UK Vascular Services Quality Improvement Programme (VSQIP)
  VASCUL-AID Platform, EU funfed project led by Dr. KK Yeung









What's the evidence for all of this? **#** UI Health | ••

Randomised controlled trials evaluating artificial intelligence in clinical practice: a scoping review **#** UI Health | ●

## Conclusions

- Big data, Al and machine learning offer the potential to develop robust individual predictive algorithms
  By analyzing millions of historic surgeries along with patient characteristics, Al will allow surgeons to accurately stratify the risks of a particular surgery for a specific patient
- Although we're not quite there yet, we will soon look back at surgical randomized trials as obsolete and unethical

