
MELANIE LEIS

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Relevant work experience

Imperial College London's Institute of Global Health Innovation

London

Director, Big Data and Analytical Unit (BDAU)

October, 2019 – Present

Interim Director, Big Data and Analytical Unit (BDAU)

July, 2019 – October, 2019

Policy Fellow in Health Analytics

September, 2018 – Present

- I lead the Institute's work on analytics to inform policy-making across the Institute's thematic programmes (e.g. Digital Healthcare and Patient Safety). I work with senior managers and policy makers to understand their needs and create outputs that can support their decisions.
- I manage a team of technical experts in data management, information governance, and data science to deliver on our mission of excellence in advanced analytics for improved patient care. This includes managing a secure research environment that supports 70+ researchers working on 150+ sensitive healthcare datasets.

Select projects include the following:

- I co-lead the [COVID-19 Behaviour Tracker](#), a collaboration with YouGov that has been collecting data on the public's attitudes and behaviours related to COVID-19 since April 2020. This work has been covered by the [BMJ](#), [BBC World News](#) and [Nature](#), among others.
- I led a collaboration with EY to produce a report on the use of data and analytics in health and human services across the globe: [Harnessing the power of data: can reality catch up with ambition?](#). This report features key learnings from 5 case study organisations as well as insight from ~40 expert interviews including Mr Bernardo Mariano, CIO of the WHO at the time.

McKinsey & Company

London, New York, San José (Costa Rica)

Specialist, Health Analytics

October, 2012 – May, 2018

- I supported clients in the US and the UK to improve quality and reduce cost of care. For example, I worked with 3 US states to successfully deploy their first mental health patient pathway algorithms (known as episodes of care) as part of their move towards value-based payments.
- I led a multidisciplinary team of analysts and data scientists in London, New York and Poland to design patient pathway algorithms for complex mental health conditions. I worked with internal and external experts to ensure clinical and statistical soundness of our models.

Education

Master's degrees

**New York, US
2010 – 2012**

- Master's in Public Administration, Syracuse University
- Master of Arts in International Relations, Syracuse University

Bachelor's degree

**San José, Costa Rica
2005 – 2009**

- Bachelor's degree in Economics, University of Costa Rica