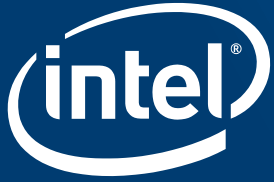


# Design patterns for HPC infrastructure including genomics and big data applications

**Dr Lester Russell**, Senior Director Health & Life Sciences EMEA - Intel Corporation  
**Jonny Hancox**, Lead for Health and Life Sciences - Intel Corporation  
**Dr Clemens Suter-Crazzolara**, Chief Product Expert for Personalized Medicine  
in product & innovation unit - SAP





# UNDERSTANDING HEALTHCARE

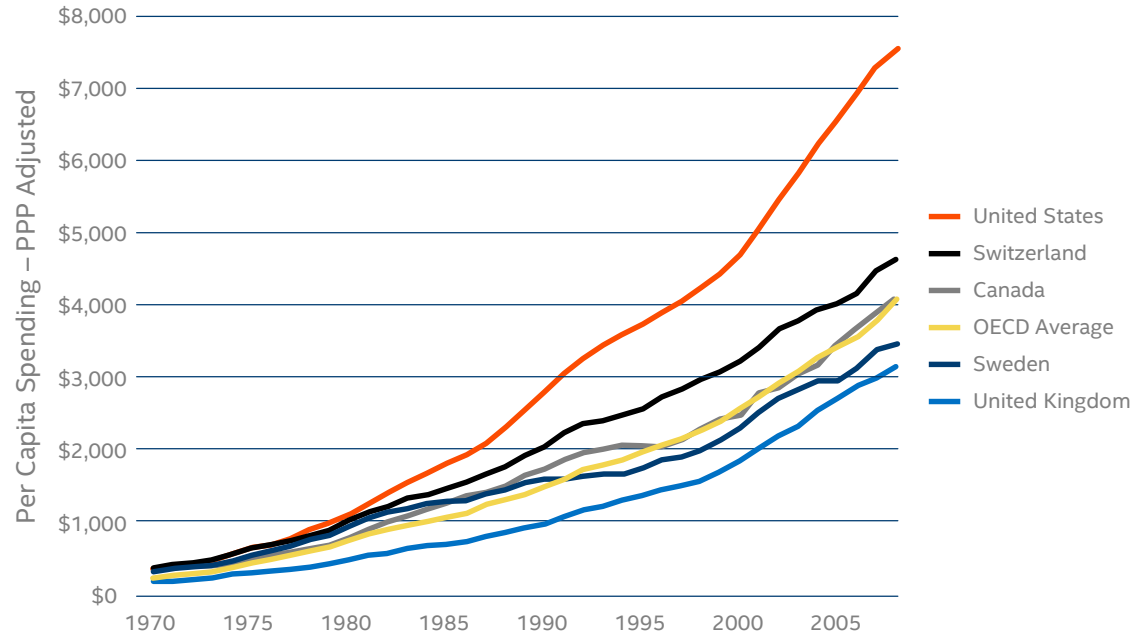
Dr. Lester Russell

Senior Director, Health & Life Sciences Innovation, Intel

May 2016

“Exponentials  
can't go on  
forever, because  
eventually they  
will gobble up  
everything.”

– Carl Sagan

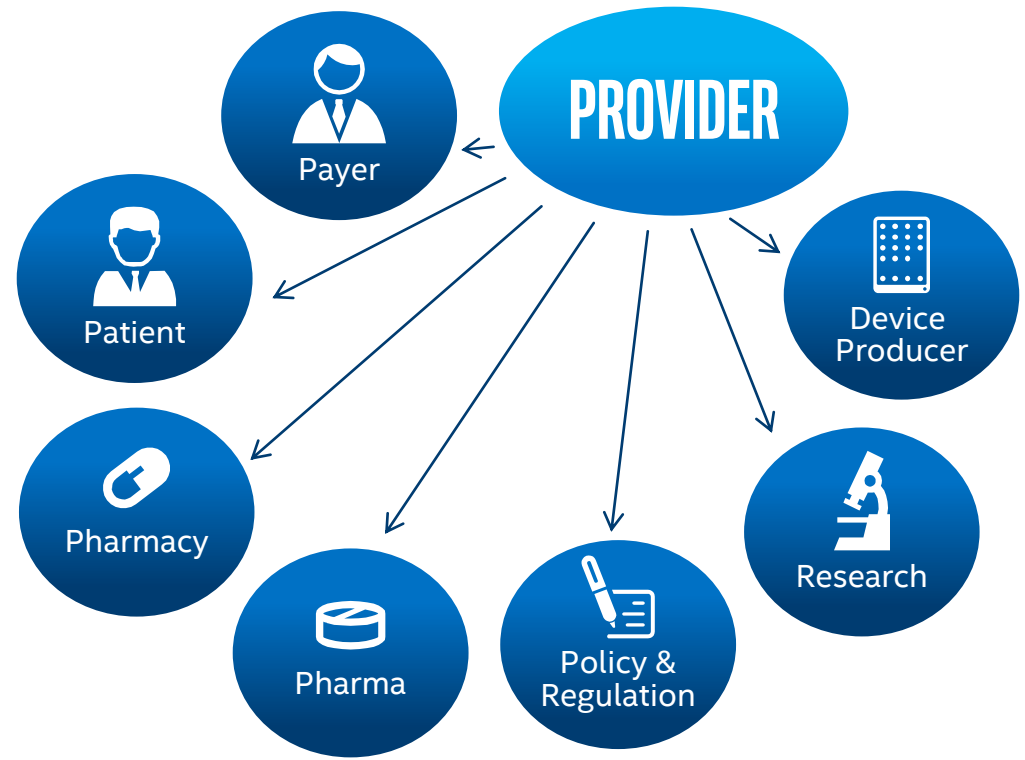


Organisation for Economic Co-operation and Development (2010)  
“OECD Health Data”, OECD Health Statistics

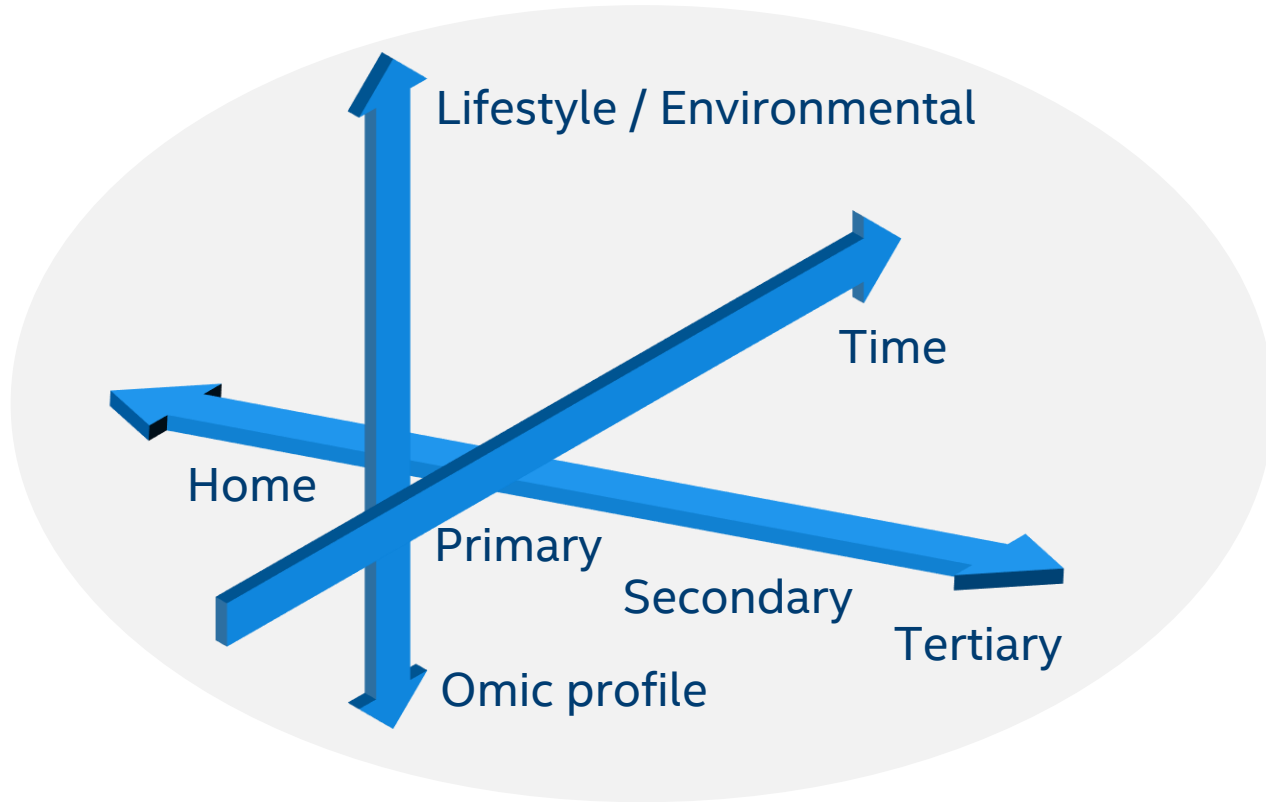
# The Health & Life Sciences Eco-system

## Key points

- All the actors are **interconnected**.
- **Business models** are changing.
- **Relationships** are changing.



# Pervasive, Continuous Health & Well-being



# Cloud-based health & well-being services

