

# Samantha Jones

Infinity & beyond

# The next 70 years

“You can't connect the dots looking forward; you can only connect them looking backwards. So you have to trust that the dots will somehow connect in your future. You have to trust in something - your gut, destiny, life, karma, whatever. This approach has never let me down, and it has made all the difference in my life.

**Steve Jobs**

# 1948-2017

- A child born in 1948 faced polio, measles, whooping cough and diphtheria. The NHS vaccination programme has now eradicated the majority of these diseases
- Infant mortality (deaths per 1000 live births) was at around 34 in 1948 - now at 3.9
- Life expectancy in 1948 was 65.8 years for men and 70.1 years for women – men born now can expect to live at least 15 years longer than in 1948 and for women almost 20 years longer *(ONS)*
- In 1954 – smoking and lung cancer link established
- A year before that the DNA structure was identified
- In 1960 the first kidney transplant took place

# Next 70 years – going to be great!

Health and societal megatrends – a **utopian** vision of the future

- Technology advances
  - Healthcare Artificial Intelligence
  - Healthcare robotics
  - Cellular therapies
  - Genetics / genomics
- Citizen-ownership of own data
- Understanding of wellbeing and mental health
- Smartphones (breaking the need for people to be in the same room as the person treating them in many cases)
- Information availability
- Greater free time as more work done by machines

# The end is nigh!

Health and societal megatrends – a **dystopian** vision of the future

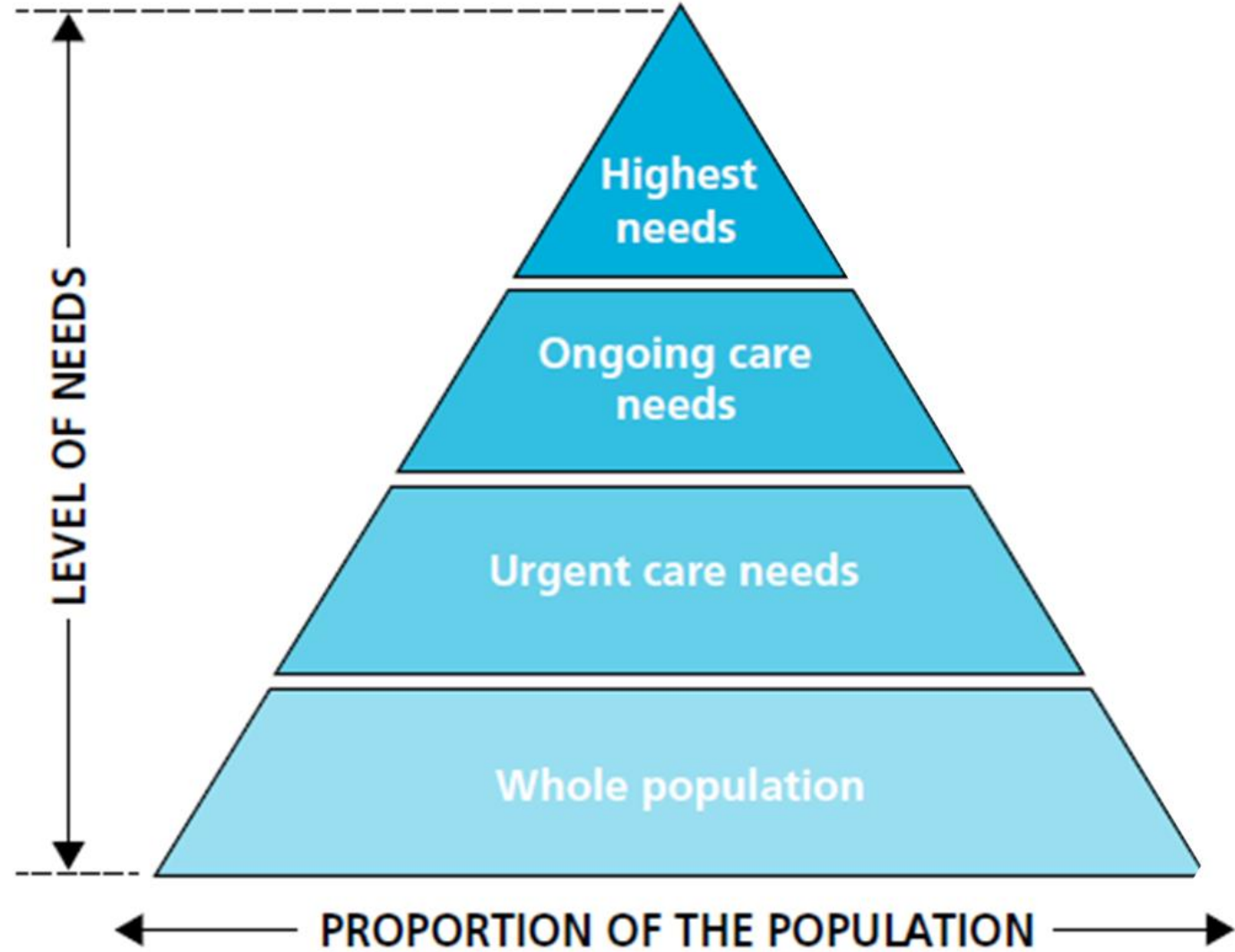
- Anti-microbial resistance
- Deliberately sanctioned attacks on population health
  - Long term biological / chemical / nuclear attacks
  - Cyber-attacks on critical healthcare infrastructure
- Failure to effectively regulate technological advances
- War (including if provoked by issues related to health – lack of water, global inequality between those with access to the benefits of health advances and those without)
- Global warming
- Post-truth / anti-enlightenment movement

# Today's Challenges

- Brexit
- Demographic change
- Workforce
- Changing public behaviours and expectations
- Supporting, promoting and harnessing innovation
- Embracing data and tech
- Developing communities of the future

# Focus for now

- A new compact for health
- Actions by citizens
- Actions across society
- Continued pursuit of improved quality
- Person centred team based health system





# Focus for now

Providing care to a defined, registered population of 30,000 to 50,000

Combined focus on personalisation of care with improvements in population health planning, provision and outcomes

An integrated multi-disciplinary workforce spanning primary care, community care, secondary care, mental health, social care and voluntary sector

Financial drivers aligned with the health needs of the population

Any questions?