

A female doctor with curly brown hair, wearing a white lab coat, a light blue surgical mask, and green gloves, is holding a blue clipboard and looking towards a male patient. The patient is wearing a white lab coat and is partially visible on the left side of the frame. The background is a blurred hospital corridor.

PERSONALISED MEDICINE



TOPIC DESCRIPTOR

What if your doctor could diagnose you before you experience symptoms? Using information from an individual's genetic and molecular profile, researchers have begun to create patient-specific treatments with a level of precision never before seen. Personalised Medicine enables healthcare providers to use a patient's cells to combat precisely identified diseases at an unprecedented pace.

Researchers at universities, biotech companies, laboratories, and pharmaceutical companies are continually making discoveries. Doctors and other healthcare professionals continue to explore how these discoveries can help patients and increase our knowledge about diseases. The pharmaceutical industry is developing medications that tailored to an individual patient's genetic makeup. The costs of genetic tests are decreasing as their availability increases. Even with better affordability, how accessible will individualised advanced treatments be? Will insurance companies cover them? The increasing specificity of personal health information raises many concerns about the protection of personal data. How will Personalised Medicine account for the impact of external/environmental factors on an individual's health?



THEME 1

This is Not Your Typical Doctor's Visit

What Are Precision Medicine
and Personalized Medicine? –
Health IT Analytics

Transforming healthcare
through precision medicine
– The Sydney Morning Herald

THEME 2

We Are Not There Yet

Precision Medicine: Overcoming
Cost Challenges – Pharma Times

Precision medicine for pediatric patient
gets a boost from Congress – Forbes



THEME 3

What Success Will Look Like

The Future of Personalizes Medicine
[Infographic] – HIT Consultant

What does personalized medicine really
mean? – U.S. News and World Report



THEME 4

Where Innovation Might Take Us

Indiana University employs cloud
computing, AI for precision medicine -
HIT Infrastructure

Single-cell sequencing: paving the way for
precision medicine - Labiotech

