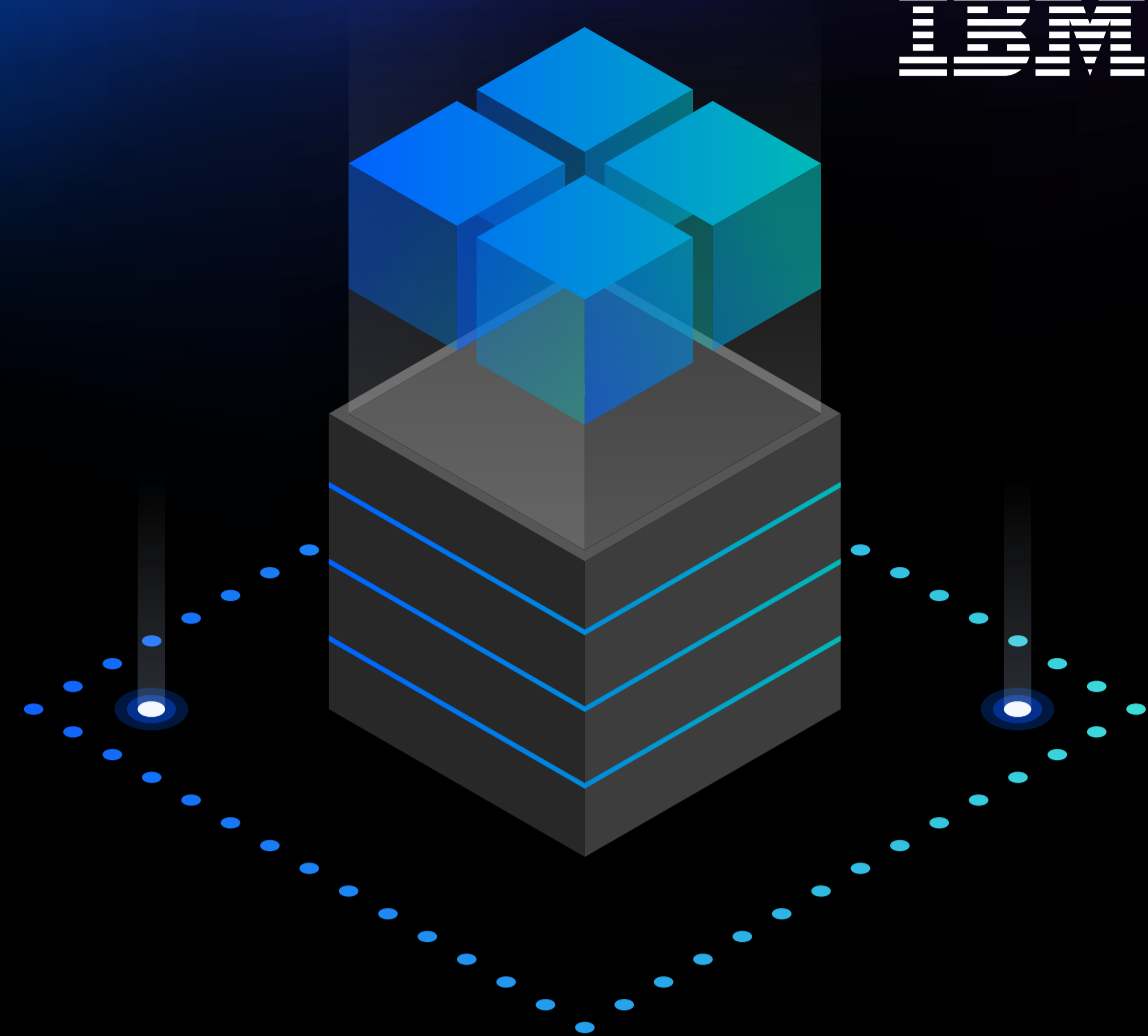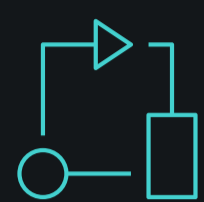# Smarter Pathways

Helping you provide patients with the right care, at the right time, in the right place.
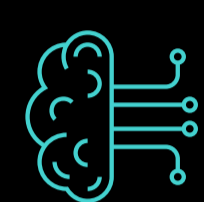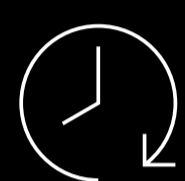
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A long term transformational approach

Technology is driving dramatic advances in healthcare, but how can organisations shift the focus from using technology to digitise existing processes, more towards re-imagining service design and delivery for true transformation?
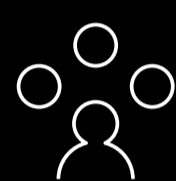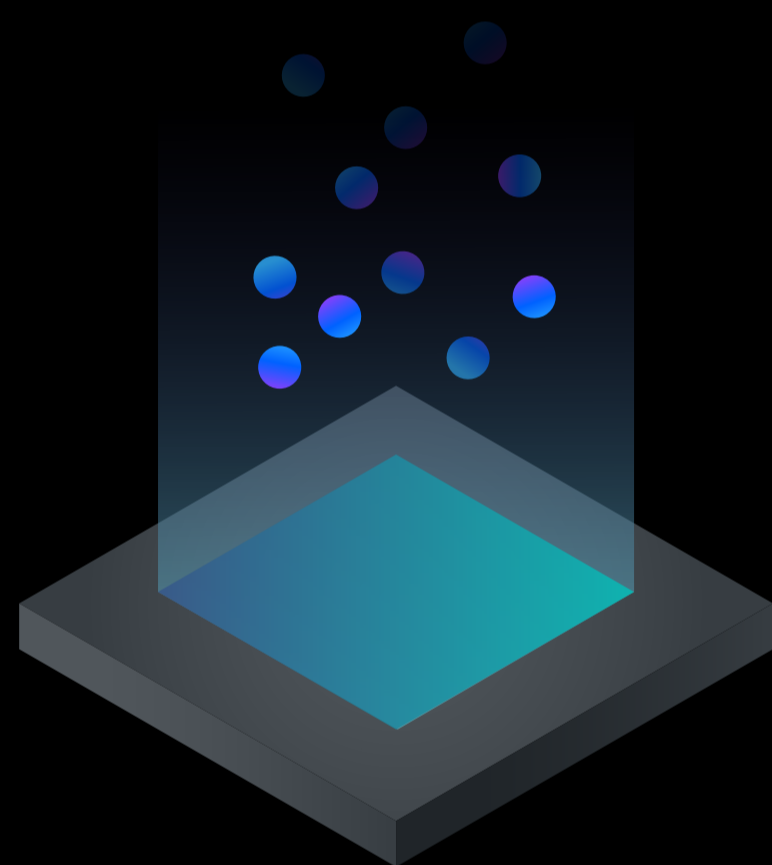
A new approach: insights to impact the care pathway

IBM Pathway Signal Management with Watson has been designed to give healthcare providers the data insights to transform patient care pathways, for the benefit of the patient and the workforce. It is based on an understanding of the need for outcomes in the following areas:

1. Avoidable delays

There is a need to streamline the patient pathway to make it consistent and reproducible, reducing waste and potentially reducing referral to treatment times (RTT).

2. Clinical prioritisation

Clinicians need to be able to access the right information at pace to support their decisions, particularly when tough planning and scheduling challenges arise. Surfacing data at the right time can also facilitate a new way of collaborating and can help clinicians to perform what-if analysis, informing their decisions in identifying which patients should be prioritised for treatment, and maintaining systematic contact at appropriate timepoints for patients waiting for diagnosis or treatment - some of whom may deteriorate unpredictably.

3. Unwarranted variation

Outcomes need to be mapped on an ongoing basis to better understand the decisions made around treatment for each patient, supporting future learning to help reduce unwarranted variation.

Integrated, secure and efficient

IBM Pathway Signal Management with Watson integrates with and enriches the existing clinical systems. It is designed to help clinicians and service improvement professionals access the most relevant information at the right time and in the correct context.

At the core is a "plug and play" integration capability, allied to a clinical natural language processing engine, developed by IBM over the past six years and protected with continuous cybersecurity monitoring, management and threat intelligence, backed by global expertise and an integrated security portfolio.

IBM Pathway Signal Management with Watson provides visualisations that help clinicians to digest key patient information more quickly. It outlines and measures patient flows through the system, comparing them against both pre-defined "model" care pathways, and journeys followed by similar patients; enabling the workforce to discover patterns of variation more efficiently.

Learn more →