



SESSIONS AND WORKSHOPS ON:
**AUTOMATION IN RECONSTITUTION
AND PRODUCTION OF MEDICINES**
**BEDSIDE DISPENSING SERVICES
AND PHARMACEUTICAL CARE**

Keynote 2 - Digital future of healthcare

Speaker: Isabelle François

Abstract

The digital transformation of healthcare is moving into a new era of unprecedented opportunity and innovation. From artificial intelligence and telemedicine to wearable devices and big data analytics, digital technologies are revolutionizing every facet of the healthcare ecosystem. This keynote explores the multifaceted landscape of the digital future of healthcare, highlighting key trends, challenges, and implications.

At the heart of the digital revolution lies the promise of improved patient outcomes and enhanced access to care. Artificial intelligence and machine learning algorithms are empowering healthcare providers to analyze vast amounts of data, driving personalized treatment plans and predictive analytics. Telemedicine platforms enable remote consultations, bridging geographical barriers and expanding access to specialized care, particularly in underserved areas.

Furthermore, wearable devices and remote monitoring technologies are empowering individuals to take an active role in managing their health. From fitness trackers to continuous glucose monitors, these devices provide real-time data insights, facilitating early intervention and preventive care strategies. Moreover, the proliferation of mobile health applications is empowering patients to track their symptoms, medications, and appointments, fostering greater engagement and adherence to treatment plans.

However, the digital future of healthcare also presents formidable challenges. Data privacy and security concerns, interoperability issues, and the digital divide are among the key hurdles that must be addressed. Moreover, the rapid pace of technological advancement necessitates ongoing education and training to ensure that healthcare professionals are equipped with the skills and knowledge to harness the full potential of digital tools effectively.

In conclusion, the digital future of healthcare holds immense promise for transforming the delivery of care, driving innovation and improving patient outcomes. However, different challenges need to be overcome in order to enable healthcare organizations to position themselves at the forefront of this transformative journey, ultimately advancing the goal of delivering accessible, equitable, and high-quality care for all.

Learning objectives

After the session, the participant should be able to:

- Understand the impact of digital technologies on the evolution of healthcare, including the role of artificial intelligence, telemedicine, and wearable devices in improving patient outcomes and access to care

- Identify key challenges and considerations associated with the adoption of digital solutions in healthcare, such as data privacy and security concerns, interoperability issues, and strategies for addressing the digital divide to ensure equitable access to digital health resources
- Explore opportunities for leveraging digital tools and technologies in the own setting

Educational need addressed

This keynote addresses the digital future of healthcare, the vast opportunities this holds but also the challenges associated.

Keywords

Biotechnology, Devices, Diagnostics, Digital Health, Digital Medicine, Digital Therapeutics, Drug Discovery, Ethics, Mental Health, Precision Medicine, Telehealth, Telemedicine