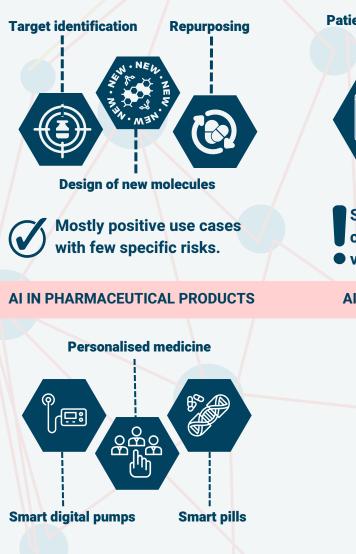
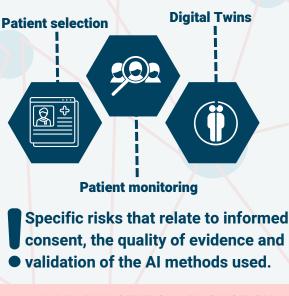
# FOUR MAIN USES OF AI IN MEDICINES R&D AND SPECIFIC RISKS

## **AI IN MEDICINE DISCOVERY**



Specific risks that relate to patient safety, AI liability, discrimination and black-box decision making.

#### **AI IN CLINICAL TRIALS**



**AI IN PHARMACEUTICAL PROMOTION** 



Fundamentally controversial, leads to higher sales instead of healthier patients.

# **REGULATORY FRAMEWORK**

#### **EU MEDICAL DEVICES REGULATION**

Sets out requirements for all medical devices, including AI assisted medical devices.

No specific AI requirements

### **EU CLINICAL TRIALS REGULATION**

Sets out standards for clinical trial conduct and patient participation, including for CTs using AI systems. No specific AI requirements

#### **EU MEDICINAL PRODUCTS REGULATION**

Sets out rules governing development, approval and use of medicines in Europe.

## No specific AI requirements

## **EU ARTIFICIAL INTELLIGENCE ACT**

Regulates AI-assisted medical devices, but does not regulate AI used in pharmaceutical R&D.

Few AI systems regulated

# **EU GENERAL DATA PROTECTION REGULATION** Regulates all uses of data in the EU, including uses by AI systems.

Regulates all data uses

Besides specific risks, Artificial Intelligence always carries general risks relating to bias and discrimination, privacy and cybersecurity.