**Health AI tools :**

**🏥 1. IBM Watson Health**

IBM sold its Watson Health division, now rebranded as **Merative**, but some tools are still available under IBM Cloud and Watson services.

**🤖 2. IBM Watson AI Tools (Still Available in IBM Cloud)**

**✅ a. Watson Studio**

* Platform for building, training, and deploying machine learning & AI models.
* Supports Python, R, SPSS, and Jupyter notebooks.
* Useful for predictive analytics (e.g., diabetes prediction, cancer risk models).

**✅ b. Watson Machine Learning**

* Deploy models into production using REST APIs.
* Supports **AutoAI** for automatic model generation—great for non-data scientists.

**✅ c. Watson Natural Language Understanding (NLU)**

* Analyze unstructured clinical notes or patient feedback.
* Extract entities, keywords, emotions, and sentiment.

**✅ d. Watson Assistant**

* Create healthcare chatbots for symptom checking, patient onboarding, or FAQs.

**✅ e. Watson Discovery**

* Use it to search and analyze large amounts of medical literature, EHRs, or documents.

**📊 3. IBM Cloud Pak for Data**

* Enterprise platform that integrates **data governance, AI, ML**, and **data engineering**.
* Healthcare teams can use it for:
  + Real-time analytics on patient data
  + Predictive models for diseases
  + Privacy and compliance (HIPAA, GDPR)

**🔐 4. IBM Cloud Security & Compliance Tools**

* Ensure compliance with **HIPAA** and **other healthcare regulations**.
* Use tools like:
  + **IBM DataShield** (data protection)
  + **Key Protect** (encryption keys)
  + **Cloud Monitoring & Logging** (audit trails)

**🧠 5. AI Use Case Examples in Healthcare on IBM Cloud**

* **Diabetes Prediction AI** using AutoAI + Watson Studio
* **Patient Risk Stratification**
* **Radiology Image Analysis** with IBM Cloud Object Storage + AI
* **Mental Health Chatbots** using Watson Assistant + NLU