借鑒標竿國家經驗規劃臺灣健康資料治理模式

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- ③對臺灣未來發展之建議



芬蘭:法規獨立且明確



DANMARKS NATIONAL BIOBANI

丹麥:生物資料巨量且完整





英國:積極推展生醫產業創新



標竿國家經驗

芬蘭健康資料治理之法規架構

Health-specific
Data Sharing
Framework

General Data Protection Regulation

GDPR (Entered into force on May 24, 2016 and Applied since May 25, 2018)

European Health Data Space

EHDS (First proposal on May 3, 2022)

European Law has priority over national Law

Finland Law

Medical Research Act

(Entered into force on November 1, 1999)

Biobank Act

(Entered into force on September 1, 2013) (amendments will enter into force 1.1.2024*)

Secondary Use of Social and Health data Act

(Entered into force on May 1, 2019*)

Data Protection Act

(Entered into force on January 1, 2019/ amendments 2023*)

Reference: FINNGEN; European Commission

Communication from the Commission - A European Health Data Space: harnessing the power of health data for people, patients and innovation (May 3, 2022)

Empower individuals to control their health data

Foster a single market for digital health services and products

Ensure interoperability and security of health data and a level playing field for manufacturers









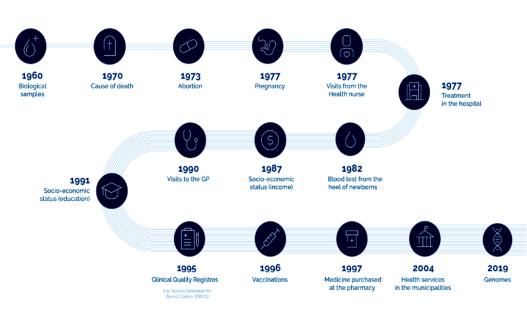
Unleash the power of the health data economy

Ensure a consistent and efficient framework for the reuse of health data for research, innovation, policy-making and regulatory activities

標竿國家經驗

丹麥生物資料庫之全面性

國家級人體生物資料庫:以登記制度 詳細記錄了丹麥衛生系統及參與其中 的大型研究生物樣本庫的樣本信息。



協調中心:為科學家與外部生物庫 提供專業技術的強大研究環境。

Danish National Biobank (DNB)

- 可讓丹麥科學家方便地獲取2500多萬份生物樣本(人口 593.5萬)
- 追蹤人們從出生到死亡的階段
- 追蹤世代的疾病(基因/環境)
- 世界上最大的生物庫之一

DNB

三大

支柱



串接平台:為丹麥科學家存儲與檢索 樣本的實體國家生物庫。 標竿國家經驗

英國推展生醫產業之創新合作



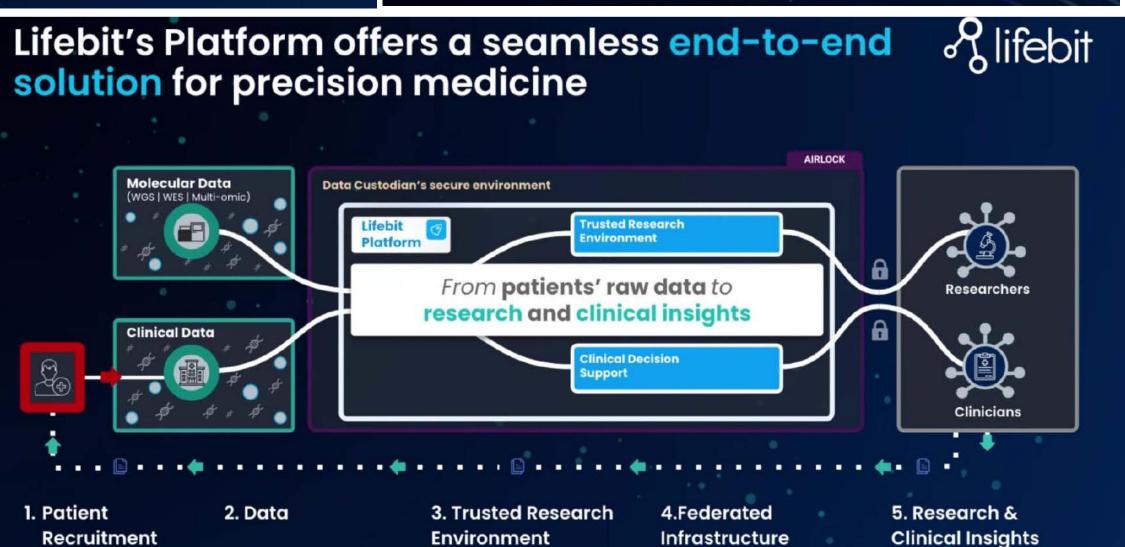
LifeBit 英國精準醫療新創公司以聯邦數據庫系統(Federated database system)創建一個可對數據進行計算和分析平台,藉由UK Biobank資源進行資料規格化處理及雲端串連、雲端應用至研究分析資料的完善服務體系,從而在不移動數據的情況下可安全地訪問敏感數據,確保數據能夠安全地保留在數據擁有者/保管者之環境中。

Reference: LifeBit



Joint data drives more insights

Connect the world's distributed biomedical datasets





A Pioneer in Clinical and Omics data Management, Analysis and Access

Revolutionizing drug development and personalized care



We unlock value from data to drive healthcare innovation

- Software platform company with 25 years experience
- Founded from a unique genome project with MIT Whitehead Institute



We enable data-driven decisions for research & precision medicine

- Integration of genomic and clinical data
- In-built data analytics, statistical genomics



We provide access to the diverse RWD sources globally

- Many references and global federated data partner network sciences
- HIPAA & GDPR compliant



A Pioneer in Clinical and Omics data Management, Analysis and Access

Revolutionizing drug development and personalized care

BC Platforms - We provide a global approach - but we are local in all the countries we enter

Our office locations - ensuring proximity to customers



North America and Asia-Pacific

臺灣健康資料治理之現況

法規架構上仍待解決之問題

據憲法法庭於111年8 月12日公布憲判字第 13號【健保資料庫案】 判决,明確指出現行 規範欠缺個人資料保 護之獨立監管機制, 且有違憲之虞,需於 三年內制定專法或修 正相關法律。



Reference:中華民國憲法法庭 2022

臺灣健康資料治理之現況

臺灣模式之優勢與劣勢

STRENGTHS

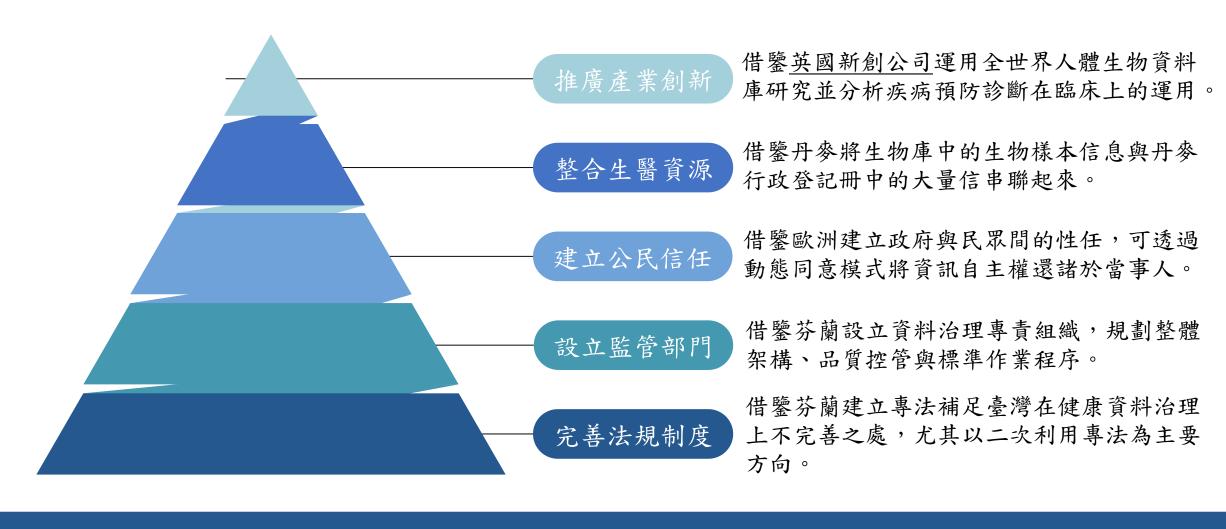
- 豐富且長期性的健保資料
- 各醫學中心完整病歷資料
- 36間人體生物資料庫,達百萬的個案量

WEAKNESSES

- 尚未有完善之法規及監管制度
- 健康數據之國際醫療交換標準 進程緩慢
- 健康數位化程度仍相對落後於 其他先進國家

對臺灣未來發展之建議

借鑒標竿國家經驗規劃臺灣模式



THANK YOU