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Postpandemic Digital Transformation into the Era of Smart Healthcare

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Abstract

The Joint Commission of Taiwan (JCT) has long been promoting smart healthcare. In 2014, the National Healthcare Quality Award (NHQA) began to organize smart healthcare competitions. Since the outbreak of the COVID-19 pandemic, Taiwan's achievements in anti-pandemic technology have been recognized by the world, which constitutes an opportunity for the development of Taiwan's smart healthcare industry. The conclusion made by the 2021 Bio Taiwan Committee and digital healthcare policies promoted by the Act For The Development Of Biotech And New Pharmaceuticals Industry also contribute to the future cooperation between healthcare institutions and the industry. Innovation through point–line–plane progression enables promoting the full digital transformation of clinical procedure and implementing industrialization plans. Therefore, JCT established Health Smart Taiwan (HST) platform to guide product development by combining industry and clinical expertise. In the process of promoting digital transformation, attention must be paid to identifying potential patient safety risks. JCT also develops Information Technology related Patient Safety (ITPS) platform to help build an agile and resilient medical system through information and communications technology. After combating the pandemic, Taiwan will stride forward into the era of smart healthcare.

Keywords: smart healthcare, agile and resilient, digital transformation, risk

後疫情推動數位轉型，邁向智慧醫療的大時代

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摘要

財團法人醫院評鑑暨醫療品質策進會（以下簡稱醫策會）長期協助推動智慧醫療，國家醫療品質獎(National Healthcare Quality Award, NHQA)自2014年起即辦理智慧醫療競賽。COVID-19疫情以來，臺灣科技防疫的成績已被全世界肯定，這是臺灣智慧醫療產業發展的契機，配合2021年生技產業策略諮詢委員會議的結論，以及「生技醫藥產業發展條例」推動數位醫療的政策，未來鼓勵醫療機構與產業合作，點狀創新，再連成線、面，推動臨床流程的全數位轉型，並進行產業化的規劃，因此醫策會建置了台灣智慧醫療創新整合平台(Health Smart Taiwan, HST)，輔導產業結合臨床進行產品開發。在推動數位轉型的過程中需注意辨識潛在的病安風險，醫策會亦發展醫療科技問題與病人安全風險學習平台(Information Technology related Patient Safety, ITPS)，協助以資通訊科技建立敏捷韌性的醫療體系。在戰勝疫情之後，臺灣將大步邁入智慧醫療的大時代。

關鍵詞：智慧醫療、敏捷韌性、數位轉型、風險