

Saudi Arabia's Digital Transformation Reshaping Healthcare and Opening New Frontiers for Global Collaboration

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Dr. Osama AlSwailem, Assistant Chief Executive Officer at King Faisal Specialist Hospital & Research Centre (KFSHRC), highlighted Saudi Arabia's achievements in digital transformation as a foundation for the Kingdom's leadership in healthcare innovation. Speaking at the C3 Davos of Healthcare™ Japan Summit, he emphasized that the Kingdom's national healthcare digital initiatives, such as the unified health record; NAFIS, the Virtual Hospital, and the Sehaty citizens healthcare portal, have created an ecosystem that accelerates access, equity, and efficiency in patient care.



At the institutional level, Dr. AlSwailem pointed to KFSHRC's pioneering role in deploying Artificial Intelligence platforms and genomic medicine as landmark advances that are redefining how healthcare systems can deliver precision-driven outcomes. He described these initiatives as proof of how Saudi Arabia's transformation journey is not only scaling technology but also translating it into measurable impact for patients.

Addressing opportunities for trilateral collaboration between Saudi Arabia, the United States, and Japan, Dr. AlSwailem referenced the Kingdom's Digital Accelerator and the National Data Management Office (NDMO) strategy, which together are opening access to health data and inviting entrepreneurs, researchers, and innovators to co-create solutions. He underscored the importance of developing sustainable partnerships in areas such as Good Manufacturing Practice (GMP) platforms, where Saudi Arabia is actively seeking to collaborate with global biotechnology leaders.

Looking ahead, Dr. AlSwailem gave participants a glimpse of the transformative potential of KFSHRC's Multiomics platform, which integrates genomics, proteomics, transcriptomics, and metabolomics to radically change how healthcare approaches for precision prevention,

diagnosis, and treatment. He described it as a “big wow” for the future of medicine and extended an invitation to the global community to discover KFSHRC’s upcoming multiomics initiatives at the hospital’s booth during the Global Health Exhibition.

Through this participation, KFSHRC reaffirmed its role in advancing digital innovation, global partnerships, and the future of precision medicine. The hospital’s active engagement at C3 Japan reflects its mission to support Saudi Vision 2030 and its commitment to building a digitally empowered healthcare ecosystem for the Kingdom, the region, and the world.

KFSHRC has been ranked first in the Middle East and Africa, and 15th globally among the top 250 Academic Medical Centres worldwide for 2025. It is also recognized as the most valuable healthcare brand in Saudi Arabia and the Middle East by Brand Finance in 2024, and was listed among the World’s Best Smart Hospitals 2025 by Newsweek.

Riyadh

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