

NEWSLETTER JUNE 2023

BUSINESS CASE OF TELEMEDICINE



MESSAGE FROM CEO

Evidence for Telemedicine use has been published extensively in the past decade. Most of these studies have focused on the impact in remote areas, while some studies have also tested effectiveness in clinical settings using a variety of methodologies. While most of the studies have shown either comparable or better results than the face-to-face consultations, overall results vary a great deal by settings and clinical specialties.

Generally, there is strong evidence showing that remote consultations for outpatient care likely improve access and a range of clinical outcomes in primary healthcare while specialty telehealth consultations likely reduce the time patients spend in the emergency department. Evidence also suggests that the remote intensive care unit (ICU) consultations are likely to reduce ICU and total hospital mortality with no significant difference in ICU or hospital length of stay, and telemedicine for emergency medical services likely reduces mortality for patients with heart attacks. Telemedicine consultations in emergency care may improve outcomes and reduce costs due to fewer transfers, and also may reduce outpatient visits and costs due to less travel (low strength of evidence in favor of telehealth). Current evidence shows mixed results in clinical outcomes with inpatient telehealth specialty consultations, no difference in mortality but also no difference in harms with telestroke consultations, and no difference in satisfaction with outpatient telehealth consultations (low strength of evidence of no difference).

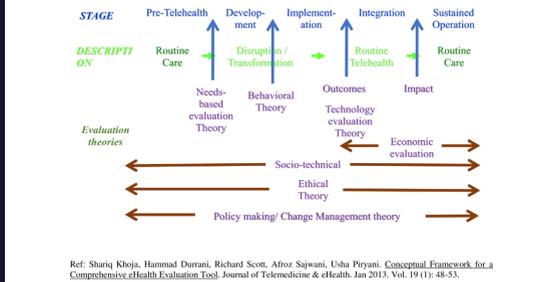
The above evidence, along with a range of clinical trials and systematic reviews on the impact of telehealth on access and quality of services, should provide enough information for the decision makers at institutional level and the policy-makers to make bold decisions for large-scale telemedicine implementation.

- Dr. Shariq Khoja, CEO - Tech4Life Enterprises

"IS YOUR TELEMEDICINE PROGRAM REALLY WORKING? HOW CAN YOU PROFESSIONALLY EVALUATE A TELEMEDICINE PROGRAM?"

Evaluation of telemedicine programs can serve several purposes, such as: 1) to determine success or failure of programs in reaching explicit objectives; 2) to ascertain if there is more effective and less costly alternative to achieve the same objectives; 3) to determine if the program has undesirable unintended effects; and 4) to make informed policy decisions on continuation, termination, or changes in the program, and whether to increase, maintain, or decrease funding for it. Along with better understanding of evaluation issues, it is also important to use standardized and validated tools for evaluation of Telemedicine programs. Such tools can provide systematic and comprehensive approach in evaluating Telemedicine initiatives, along with making it easier to compare internally and externally.

Various tools have been used in the evaluation tools, but one of the most widely comprehensive, validated and published tools has been developed by the researchers at Tech4Life Enterprises. The tool is called KDS tools, which uses a detailed conceptual framework shown in the diagram below. KDS tools can be obtained by contacting Tech4Life team at info@tech4lifeenterprises.com.



- By Dr. Shariq Khoja, CEO - Tech4Life Enterprises



BIOMED 2023

Tech4Life is proud to participate in BIOMED-2023 conference held in Tel Aviv on May 16-18, 2023. BIOMED is one of the premiere and most established life sciences conference in Middle-East region. It has positioned itself as the main annual meeting place for international players. The Government of Ontario, in collaboration with the Canadian Embassy in Tel Aviv, organized Life Sciences Export Business Mission to Biomed Israel 2023 Exhibition.

Tech4Life Enterprises Canada Inc. was one of the 9 selected Ontario-based Companies to showcase their products and solutions on Ontario Pavilion Booth. The mission program also incorporated a Sector briefing, pre-arranged B2B meetings and networking events. Furthermore, amidst heavy presence and dominance of BioPharma companies, Tech4Life Enterprises was a standout exhibitor with its unique and distinctive Telemedicine solutions. Sojro Telemedicine Kits, due to conspicuousness value, garnered great interest from visitors and other exhibitors alike especially from the UK-based healthcare companies supplying to National Health Services.

- By Ahsan Abbas, Head of Global Sales - Tech4Life Enterprises

"EXPANDING COLLABORATION WITH SAUDI ARABIA"



Tech4Life continues to strengthen Telemedicine programs in Middle-East region by collaborating with the major Telecommunication and health organizations in the region. One of the major recent developments is the discussion with Saudi Telecom Company, which is the digital enabler of Telecommunications services in Saudi Arabia including Telemedicine services. Saudi Telecom Company has recently expressed interest in exploring Tech4Life's Telemedicine solutions ranging from Telemedicine kits for Home Care, Primary Care, and Ambulatory Care to Specialized Kits for Disaster and Military Applications.

Saudi Telecom Company has requested to test Sojro Ambulance Telemedicine Kit designed by Tech4Life Enterprises. To achieve this purpose, Tech4Life Enterprises has provided Saudi Telecom Company with the pilot Sojro Ambulance Telemedicine Kit, which comprises of Digital Stethoscope, Wireless Otoscope and Dermoscope, Iris Scope, Vital Signs Monitor + 3-Lead ECG, Telemedicine Software, Windows Tablet, Power Backup, Noise Cancellation Headset, and Vehicle Charging Option. Both the companies have signed a Memorandum of Understanding to define the terms and conditions for testing and demo of Sojro Ambulance Telemedicine Kit.

Saudi Telecom Company and Tech4Life Enterprises are keen to explore possibilities of collaboration for an end-to-end Telemedicine implementation in the Kingdom known to have a strong national healthcare system with increased participation from private sector as well.

- By Ahsan Abbas, Head of Global Sales - Tech4Life Enterprises

ACHIEVEMENT- TECH4LIFE SUCCESSFULLY COMPLETES CE AUDIT FOR 2023



Tech4Life recently completed a CE audit successfully. This visit was to assess the compliance of the management system of Tech4Life Enterprises Canada Inc. against ISO 13485:2016. Based on the assessment of the Assessment Team recommends the ISO 13485:2016 continued certification of Tech4Life Enterprises Canada Inc. for the agreed scope. This one and a half days' onsite assessment was conducted as surveillance visit against applicable requirements of ISO 13485:2016.

The final report suggested that the overall the QMS continues to be implemented effectively to ensure compliance with the appropriate standards and regulations; performance of risk assessment was also found to be effective. QMS effectiveness was evidenced by comparing actual performance against target performance metrics.

- By Ehsan Khan, Quality & Regulatory Officer - Tech4Life Enterprises

STAR OF TECH4LIFE



Rubab Fatima Naqvi has been long associated with Research and Development in Biomedical Engineering. She joined Tech4Life Enterprises in 2021 as Senior Biomedical Engineer and quickly escalated to the Management level in Biomedical Innovation.

Her expertise lie in the field of medical device designing and fabrication, holding various projects to her name. Furthermore, she has recently secured a Doctoral research scholarship at University of Montreal, Canada. Her contribution towards Tech4Life includes managing the design of our high-end product SmartHb – A non-invasive hemoglobin monitor among others. Tech4Life acknowledges her contribution towards the organization and recognizes her as a "Star of Tech4Life".

- By Rubab Fatima Naqvi, Assistant Manager, Biomedical - Tech4Life Enterprises