

Message from CEO

Telemedicine carts and kits providing new opportunities for improving health services to elderly population



The world has more people over the age of 60 than children under five. By 2050, there will be an estimated 2.1 billion people age 60 or older, while number of persons aged 80 years or older is expected to triple between 2020 and 2050 to reach 426 million. Although this shift towards older ages started in high-income countries, it is now low- and middle-income countries that are experiencing the greatest change. By 2050, two-thirds of the world's population over 60 years will live in low- and middle-income countries.

A longer life brings with it opportunities, not only for older people and their families, but also for societies as a whole. Additional years provide the chance to pursue new activities such as further education, a new career or a long-neglected passion. Older people also contribute in many ways to their families and communities. However, aging also comes with number of challenges, such as the biological challenges leading to gradual decrease in physical and mental capacity, a growing risk of disease and ultimately death. Beyond biological changes, ageing is often associated with other life transitions such as retirement, relocation to more appropriate housing and the death of friends and partners. Thus, aging is expected to significantly increase the burden of global diseases, notably for non-communicable diseases (NCDs), or chronic diseases such as cancer, diabetes, and cardiovascular diseases. The burden of disease will also include declining cognitive acuity and mental health without adequate preparation. Moreover, older age is also characterized by the emergence of several complex health states commonly called geriatric syndromes. They are often the consequence of multiple underlying factors and include frailty, urinary incontinence, falls, delirium and pressure ulcers.

Telemedicine can significantly benefit elderly care by improving access to healthcare, reducing costs, and enhancing convenience. It allows older adults to consult with healthcare professionals remotely, often from the comfort of their homes, which can be especially helpful for individuals with limited mobility or transportation challenges. Key benefits of telemedicine for elderly care:

- 1. Improved Access:** Telemedicine can bridge the gap in healthcare access, especially for seniors in rural or geographically isolated areas, making appointments and consultations more feasible.
- 2. Cost Reduction:** Telemedicine eliminates the need for travel, parking fees, and potential costs associated with in-person visits, potentially saving seniors money and time.
- 3. Convenience:** Older adults can access care from the comfort and privacy of their homes, reducing the need to travel to appointments, which can be difficult for those with mobility issues.
- 4. Reduced Risk of Infection:** Telemedicine reduces the risk of exposure to infections in hospitals and other healthcare settings, which is particularly important for vulnerable individuals.

5. Support for Caregivers: Telemedicine can also provide valuable support for caregivers, enabling them to connect with healthcare professionals and receive guidance on managing their loved one's care.

6. Continuity of Care: Telemedicine can help maintain continuity of care, especially when there is an established patient-physician relationship.

Tech4Life Enterprises has been the pioneer in providing telemedicine devices and kits to nursing homes and elderly care services in United States. Tech4Life has provided several Sojro telemedicine carts and trolleys for elderly care in the states of Wisconsin and Vermont. These telemedicine carts are helping hundreds of adults access quality healthcare at the elderly care facilities and from the comfort of their own homes.

~ By Dr. Shariq Khoja, CEO – Tech4Life Enterprises.

Saving Maternal Lives: Tech4Life receives a grant from Gates Foundation for validating Smart-Hb in rural settings



Gates Foundation has taken leadership in the prevention and treatment of anemia among reproductive age women. The foundation is highly interested in non-invasive technologies for screening anemia, and has decided to collaborate with Tech4Life Enterprises in testing its innovative non-invasive hemoglobin monitor (Smart-Hb) in rural areas. The study will be undertaken in collaboration with the department of Community Health Sciences at Aga Khan University, Karachi and will target moderate to severely anemic pregnant women in district Thatta in the province of Sindh.

~ By Dr. Shariq Khoja, CEO – Tech4Life Enterprises.

Smart-Hb trademark assigned USPTO codes:



In a critical success for the commercialization efforts of Tech4Life's non-invasive hemoglobin monitor (Smart-Hb), the United States Patent and Trademark Office (USPTO) has approved the Smart-Hb trademark for the design logo assignment. This makes the product eligible to be declared as a brand in USA.

~ By Dr. Shariq Khoja, CEO – Tech4Life Enterprises.

Leadership in Healthy Aging: Tech4Life Enterprises to Design a Comprehensive Digital Ecosystem for the Care for Elderly Program



Tech4Life Enterprises is pleased to share a partnership with Aga Khan University, in collaboration with the Trust for Vaccine & Immunization (TVI), to design a cutting-edge digital ecosystem for the Care for Elderly Program. This transformative project will establish a digital backbone for elderly care, with a special focus on low- and middle-income countries (LMICs) like Pakistan.

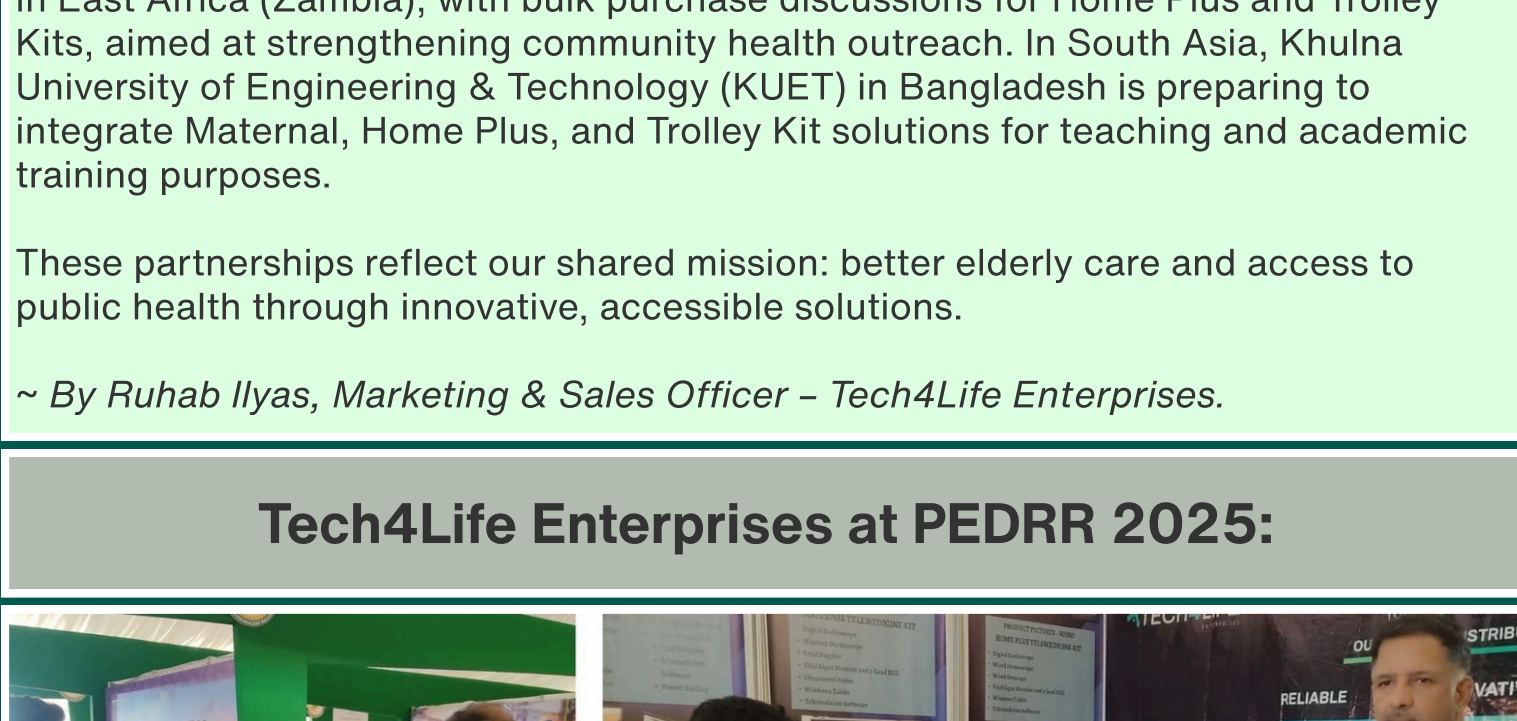
At the heart of this initiative is the concept of healthy aging—empowering older adults to live active, fulfilling lives with the right support and technology. The new digital ecosystem will leverage cutting-edge technologies, including artificial intelligence (AI) and machine learning, to enable innovative care models. From promoting healthier behavior changes to ensuring adherence to treatment and appointments, these digital health tools will reduce care dependency and improve quality of life.

The collaboration aims to produce an evidence-based roadmap, identify barriers to adoption, and provide tailored recommendations for integrating digital health solutions into existing healthcare systems. By doing so, it ensures scalability, sustainability, and equitable access for older adults.

Tech4Life, with its expertise in telemedicine and digital health, is excited to partner with Aga Khan University Hospital and TVI to transform elderly care and support caregivers in meaningful ways.

~ By Shabbir Hussain, Director IT & Projects – Tech4Life Enterprises.

Embracing Quality- Renewal of ISO 13485:



Tech4Life Enterprises is dedicated to maintaining highest standards of quality in design, development, and manufacturing of medical devices. As part of our ongoing commitment, we have successfully progressed ISO 13485:2016 surveillance audit stages, demonstrating compliance with International Standards. We actively pursue continuous improvement by evaluating our processes, identifying risks and opportunities for enhancement, and implementing corrective and preventive actions. These efforts strengthen our Management System, ensuring product safety, performance, customer satisfaction, and maintaining compliance with global regulatory frameworks.

~ By Saad Zahid, Regulatory & Compliance Officer – Tech4Life Enterprises.

Distribution Channels around the World & New Client Updates



As we focus on elderly care this month, Tech4Life continues expanding global access to telemedicine. In North America, Crescent Manor in Vermont, a long-term care facility has fully on boarded with our Sojro Trolleys kits supporting remote monitoring and virtual consultations for senior residents. Westfield Fire Department (Indiana) is launching a Mobile Integrated Health (MIH) program to support senior care and utilizing our Ambulance Kit, mirroring a successful model in Bloomington.

In East Africa (Zambia), with bulk purchase discussions for Home Plus and Trolley Kits, aimed at strengthening community health outreach. In South Asia, Khulna University of Engineering & Technology (KUET) in Bangladesh is preparing to integrate Medical, Home Plus, and Trolley Kit solutions for teaching and academic training purposes.

These partnerships reflect our shared mission: better elderly care and access to public health through innovative, accessible solutions.

~ By Ruhab Ilyas, Marketing & Sales Officer – Tech4Life Enterprises.

Tech4Life Enterprises at PEDRR 2025:



Pakistan's Resilience Vision 2030

Tech4Life Enterprises, in collaboration with ABZ Solutions, proudly participated in the 2nd Edition of Pakistan's Expo on Disaster Risk Reduction (PEDRR), held from May 6 to May 8 at NDMA Headquarters, Islamabad. This year's event focused on Pakistan's Resilience Vision 2030, bringing together organizations and experts dedicated to improving disaster preparedness, response, and recovery.

The expo offered a dynamic platform for knowledge exchange, networking, and the presentation of innovative solutions aimed at enhancing disaster resilience. Our Sojro telemedicine kits attracted significant attention for their potential to improve emergency healthcare delivery in remote and crisis-affected areas. The event facilitated meaningful dialogue among stakeholders, fostering collaboration and awareness around the role of technology in strengthening disaster response capabilities.

~ By Samreen Fatima, Marketing & Sales Manager – Tech4Life Enterprises.

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