HEALTH/MED TECH LANDSCAPE

Executive Summary MoveToJoy Luxembourg 2024



Executive Summary

Global Aging Population Drives Healthcare Innovation

An aging population with a rising prevalence of chronic diseases like diabetes is creating a significant demand for new healthcare solutions. Many countries are projected to reach "hyper-aging" status, where over 25% of the population is 65 or older, within the next 20 years.

Emerging Trends in Healthcare

- m/e-Health, Telemedicine, and Home Healthcare: These technologies enable remote patient monitoring, diagnosis, and treatment, improving accessibility and convenience for elderly and chronically ill patients.
- Al and Machine Learning: Al is transforming healthcare by analyzing data for insights, automating tasks, and supporting decision-making.
- **IoT and Robotics:** IoT sensors collect patient data, while robots assist with surgery, rehabilitation, and remote care.
- Virtual and Augmented Reality: VR/AR has potential applications in medical training, patient education, and therapy.

Luxembourg: A Hub for HealthTech Innovation

Luxembourg is well-positioned to be a leader in health technology innovation due to several factors:

- **Supportive Ecosystem:** The Luxembourg HealthTech cluster provides funding, mentorship, and connections to startups in the health tech space.
- **Research Expertise:** Research institutions like LCSB, LIST, and LIH contribute to cutting-edge health research.
- Strong ICT Infrastructure: Luxembourg boasts a robust digital infrastructure with high-speed internet, advanced data centers, and a skilled ICT workforce.
- Favorable Business Environment: Luxembourg offers a stable economy, a multilingual workforce, and proximity to the European Union, and a strong Financial Sector.

The European Health Tech Conference, scheduled for January 2025, further underscores Luxembourg's commitment to advancing healthcare through innovation.

The MedTec Map

Country	DEMOGRAPHICS & HEALTH EVENTS	ICT ADVANCEMENTS	Market openness to new technologies
budgets	Aging population	Big data AI / ML	
Pandemics	Cardiovascular diseases	IoT	Good / Bad Al
	Diabetes Cancer		Best practices
Environmental	Rise of chronic diseases	Cloud-computing	& Standards
Pollution	Orthopedic Mental health	Robotics E-procurement	
	Prosthetic Women's health		Cybersecurity
Extreme na Events	& viruses (HIV) exper	tomer E-commerce rience, ffective,	
	Early diagnosis Cuttin	ative / g-edge	Green Sustainability
	Patient monitoring solu Customised cures	tions Private / public hospitals/Beds	2
Materials for	Electronic medical records		
components in medical	Digital image processing	Nursing and Elderly infrastructures	
devices	Minimally invasive surgery		Center of Excellence Of Hospital networks
	Telemedicine/health	Home portable	for a given field
	Palliative care	applications	
	MEDICAL EQUIPMENTS	INFRASTRUCTURES	

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& SYSTEMS

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