The ever-rising costs of healthcare are fostering innovative solutions and disruptive business models

Cybersecurity concerns come to medical technology

Medical devices are increasingly connected to the Internet. But connectivity comes with some constraints that underpins our organization. Vulnerability to hackers and criminals. As security breaches become more common and costly, medical device cybersecurity will emerge as a major issue in the coming years, requiring device companies and healthcare providers to take preemptive action to maintain trust in medical equipment and to prevent breaches that could cripple the industry.

Privacy and security of personal data. Devices could allow improper access to networks of hospitals and other healthcare providers. Commercially valuable research data could be stolen from devices.

Hospitals are shifting their business models towards digitalisation

Financial viability continues to be a significant concern for healthcare CEOs. New ways of delivering care are appearing:

“Bedless” hospitals with no inpatient care in order to avoid the high fixed costs, reduce wait times and improve the overall patient experience. Technology allows patients to avoid being kept overnight for monitoring. Many routine checks can be done through remote digital technology.
Interest in population health management is growing, both clinicians and administrative leaders are hungry for data to make decisions and guide their planning.

**Big Data and Care Management:** More and more we want to keep people at home and out of the hospital. Sensors and wearables will collect health data on patients in their homes and push all of that data into the cloud. Healthcare institutions and care managers, using sophisticated tools, will monitor this massive data stream and the IoT to keep their patients healthy.

**Big Data and Predictive analytics:** Healthcare stakeholders have now access to a large amount of knowledge and data. Pharmaceutical-industry experts, payers, and providers could, based on this large amount of data, address problems related to variability in healthcare quality and escalating healthcare spend. For governments, this results could provide key information to better design public health policy and reimbursement processes.
A new patient profile is rising up and reshaping the healthcare delivery system.
By 2019, 1 person out of 10 will be 65 YEARS OLD

Chronic and communicable diseases — such as obesity, cardiovascular diseases, hypertension, and dementia are becoming persistent, widespread health problems and public health systems are struggling to meet the increasing demand for drugs and treatments.

Today’s consumers are more INFORMED, involved in, and financially responsible for their healthcare decisions. They also have higher expectations for the services and products they receive.

More and more people are adopting DIGITAL HEALTH apps to manage their care when and where they want it. Patient adoption of health-related apps nearly doubled over the last two years.

These trends are forging new ways of receiving and delivering care

Health and social care systems will therefore need to join forces, work more collaboratively and operate more efficiently, lower their unit costs, raise their quality levels, and identify ways to optimize the value of their limited resources.

The public and private sectors will need to transition financial incentives from the “break-fix” model of care to prevention, predictive maintenance, and outcome optimization.
Global goes local - Healthcare challenges in Luxembourg

OUR CLIENTS ON THE LUXEMBOURG MARKET

HOT TOPICS ON THE LUXEMBOURG MARKET

HOSPITALS
DATA PROTECTION
GOVERNANCE, RISK & COMPLIANCE
DIGITAL TRANSFORMATION
IT TRANSFORMATION
CYBERSECURITY
HUMAN CAPITAL
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HOME-CARE PROVIDERS

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Deloitte can help you

**DATA PROTECTION**
- Data protection compliance assessments (preparing for the EU General Data Protection Regulation)
- Privacy governance
- Privacy impact assessments
- Notifications (registrations) to the Data Protection Authorities
- Data Loss Prevention

**GOVERNANCE, RISK & COMPLIANCE**
- Corporate Governance Advisory
- Risk Management Advisory
- Internal Audit Advisory and Support
- Third-Party Assurance

**DIGITAL TRANSFORMATION**
- Digital Strategy
- Digital Creativity (e.g., Patient journey, patient experience)
- Digital Transformation and Integration
- Digital Regulation
- Digital Solutions

**IT TRANSFORMATION**
- Governance transformation
- IT providers selection
- IT performance assessment
- Business intelligence assessment

**HUMAN CAPITAL**
- Organization Transformation & Talent
- HR Transformation & Technology
- Rewards & Analytics
- Change Management

**CYBERSECURITY**
- Cyber Strategy and Governance
- Infrastructure and software security
- Identity and access management
- Cyber threat and vulnerability management
- Cyber incident detection and threat intelligence
- Cyber Incident Response & Business Continuity
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