

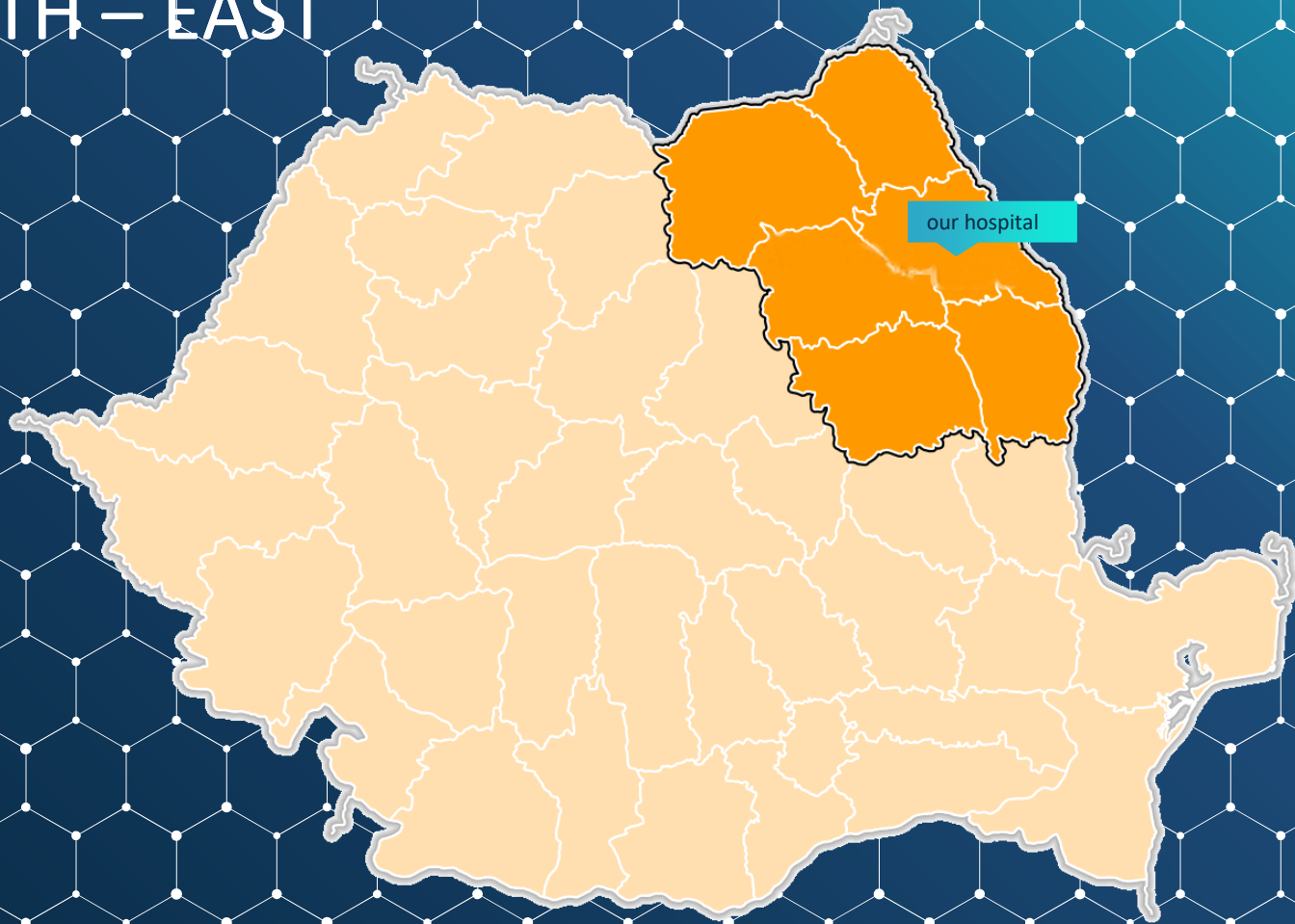


# “Sf. Spiridon” Emergency Clinical County Hospital

**MANAGER**

**Daniel TIMOFTE, MD, PhD, FACS (USA)**  
**Professor of General Surgery – UMF Grigore T. Popa - Iasi**

# NORTH – EAST





# 1153 beds

continuous hospitalization

# 25 beds

day hospitalization

# 67%

of patients from Iasi County

# 33%

from the NE region – **most complex medical cases**

# “Sf. Spiridon” Emergency Clinical County Hospital



**REGIONAL**



# 3.705.145

inhabitants, representing 17.4% of the total population of the country

INS, 2013

# Multipavilion structure



advantage in pandemic

disadvantage in administration



St Spiridon Hospital



**4602**  
employee



**414 doctors**

174 @ University of Medicine



**2100 residents**



**1227 nurses**

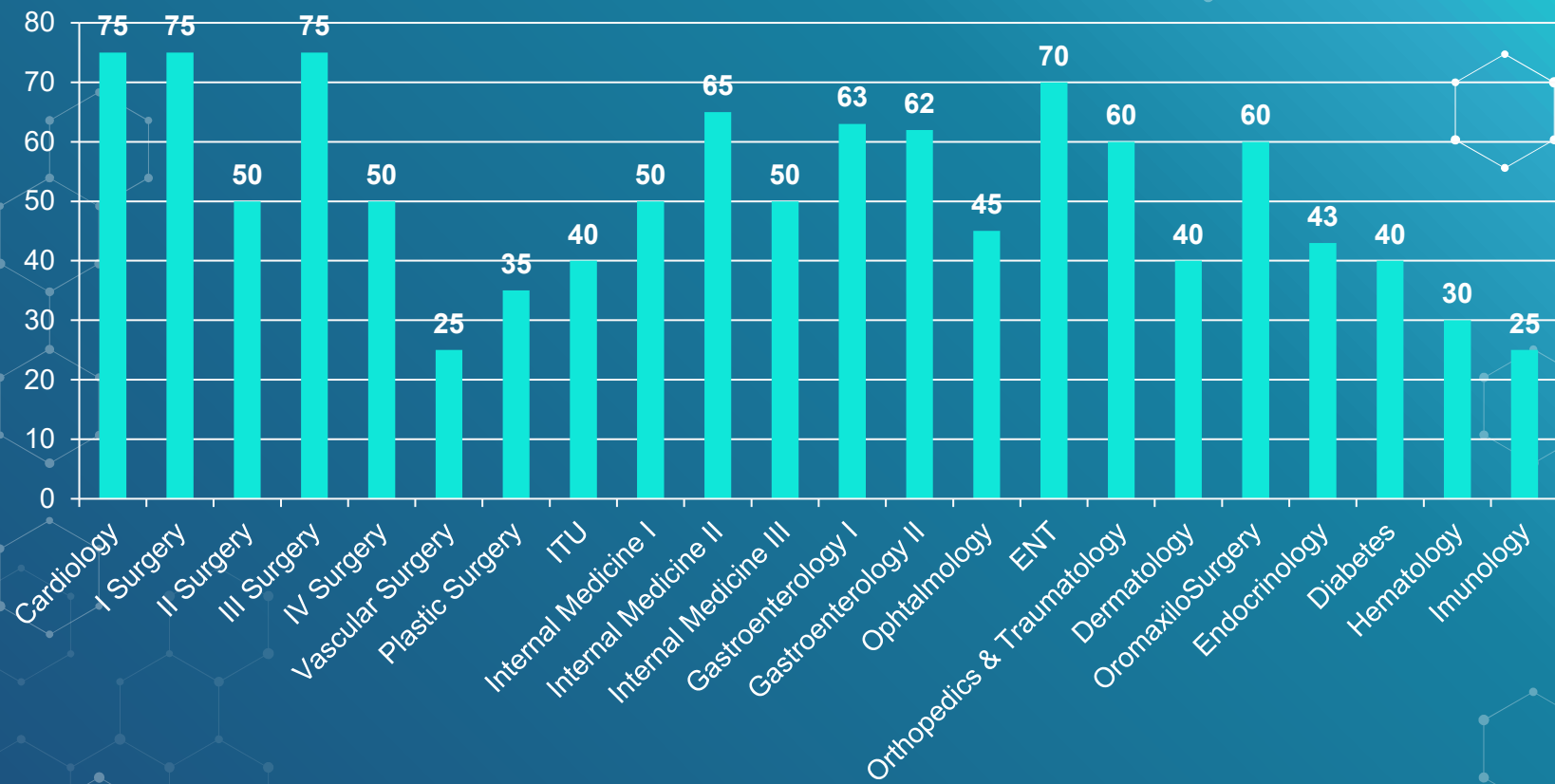
304 University degree



**777 other hospital staff**

94 administrative

**TREASURE**



**St. Spiridon Hospital 22 clinics - 18 emergency cases**

Pre-pandemic data



46717 - 66,26%

patients/year

emergency cases

continuous hospitalization



44452

day hospitalization

240.355

Ambulatory Consultations

# HOSPITAL RESOURCES

- ◆ **high-performance functional imaging platform**  
3 CT, 1 MRI, 5 Angiograph
- ◆ **17 operating rooms**
- ◆ **RENAR accredited laboratory**



## ◆ Coronary Care Unit

1. 1 catheter laboratory – 2 angiograph
2. 1 pace maker laboratory
3. Electrophysiology services

## Peripheral Vascular Care Unit – Vascular Surgery

1 catheter laboratory

## Interventional Radiology

The background is a solid blue color with a faint, repeating pattern of white hexagons. In the top left corner, there is a 3D bar with a white-to-blue gradient.

# Transplant Center

Liver

Cornea

Stem Cell – Laboratory part



# Surgery

- ◆ Advanced Laparoscopic surgery

- ◆ **NEEDS**

- ◇ Robotic surgery unit

# National Health strategy 2014 - 2020

SRU Iasi – aug 2023 – dec 2027 (2029)

850 beds and personnel translated from  
Sf. Spiridon

Sf Spiridon – re-conversion to Chronic  
Disease Hospital





## Digitalisation of Medical Services

2021 1 single internet Hospital network  
with multiple access points

secured, protected

only for employees

# Digitalisation of Medical Services

2021 InfoWorld Mobile app – pilot in 4 clinics

use the Hospital software on mobile by doctors

speech to text – for surgery protocols and hospital discharge documents

**greatly accepted !!!**

2022 May electronic medication management record  
great RESISTANCE !!!



# Digitalisation of Medical Services

2021 demo X Vision AI for Radiology

greatly accepted !!!



# NEEDS - Digitalisation of Medical Services



# Needs

## ◆ CYBER Security

# NEEDS - Digitalisation of Medical Services

electronic document management – OCR

digital docu flows

electronic registration

400 docs per day !! Manually

1 doc / 50 sec



# Needs – electronic medical file of the patient

- ◆ Data storage and could permit analysis by AI
- ◆ REMOTELY USE
- ◆ Regional – National – EU



## Needs - PACS

- ◆ Radiology Image Archive & Cloud – open access of all physicians via intranet
- ◆ June 2022 - Initiated procedure of aquisition



## Needs

- ◆ Building Management System
- ◆ 2 buildings need reconsolidation - BMS

# Needs

- ◆ Green Hospital – Green Energy

- ◆ Energetic efficiency

- 3500 MWh

- 7000 Gcal      pe an



e-Training

e-Learning

- ◆ courses for staff – using new tools, using intranet



# e-Patient

- ◆ smart patient
  - ◇ informed patient
  - ◇ involved patient
- ◇ mPatient
- ◇ Patient s teaching
- ◇ Courses, ws, video tutorials, etc



## PROIECT

### Monitorizarea pacienților COVID-19 la domiciliu

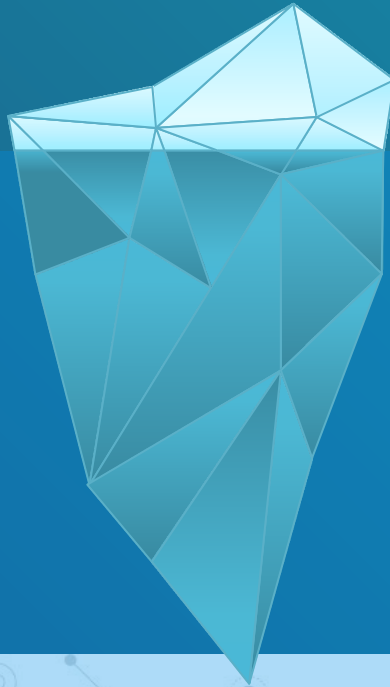
- ◆ *„mHealth = practică medicală și de sănătate publică, susținută de dispozitive mobile, precum telefoane mobile, dispozitive de monitorizare a pacienților, asistență digitală personală și alte dispozitive wireless.”*

**World Health Organization**

## Monitorizare la domiciliu

### Cazuri ușoare/medii

Pacienți care au nevoie de  
îndrumare/sfaturi

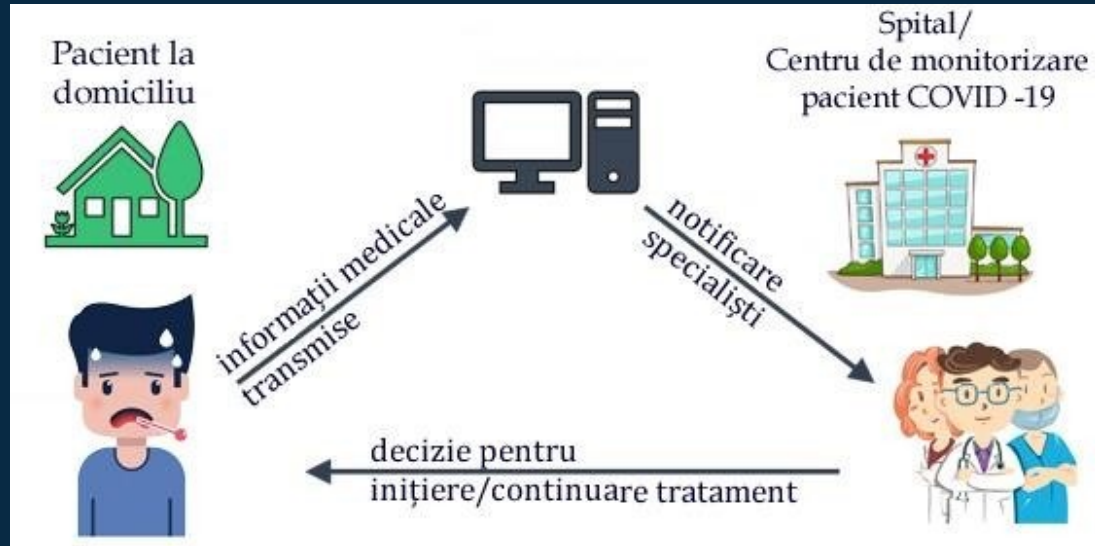


### Cazuri grave.

Pacienți a căror stare se  
deteriorează - **hipoxemie**  
(cefalee, stare de confuzie) –  
recomandare internare de  
urgență



## Proces monitorizare

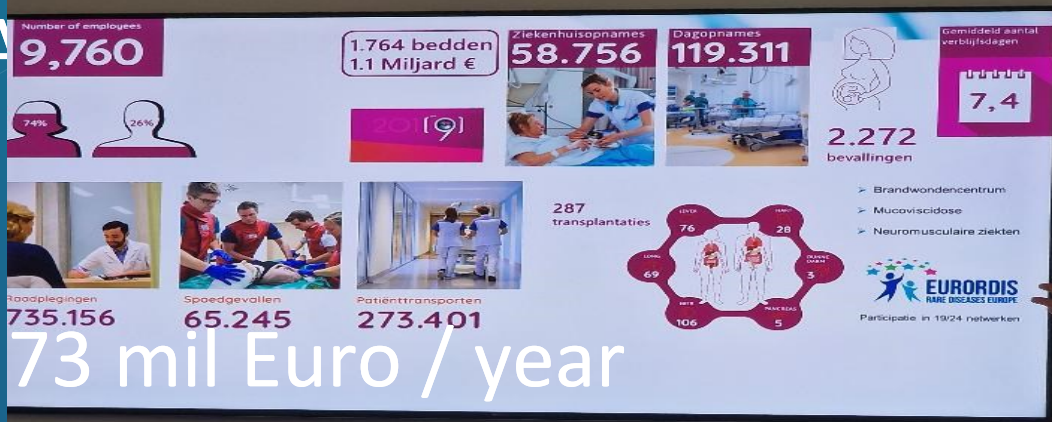




May 2022 University Hospital Leuven  
no 1 Belgium and no 38 / 400 world

ADR NE – Brussels office

VR A



73 mil Euro / year

NEXUS platform Patient File + AI

A person wearing a white lab coat and safety glasses is working on a circuit board. They are holding a small component with a pair of tweezers. The scene is illuminated with a strong blue light, creating a high-tech, scientific atmosphere. The background is dark, and the person's face is partially visible through the safety glasses.

# THANK YOU!

## ADR NE NT + BRU

[dantimofte@yahoo.com](mailto:dantimofte@yahoo.com)