



# LANDSPITALI

THE NATIONAL UNIVERSITY  
HOSPITAL OF ICELAND

- Date:
- Name:

# AGENDA

## Health Care in Iceland

## Landspítali

- Organization
- Operations
- New hospital building

# HEALTH CARE IN ICELAND

# THE ICELANDIC HEALTH CARE SYSTEM

**Icelandic population 388.000** *(Jan. 2023)*

- 247.000 in the capital area

**Health sector counts for 9,7% of GDP**

**Financing of health services**

- 83,7% through taxes and 16,3% by individuals
- **Good clinical results in comparison to other OECD nations**

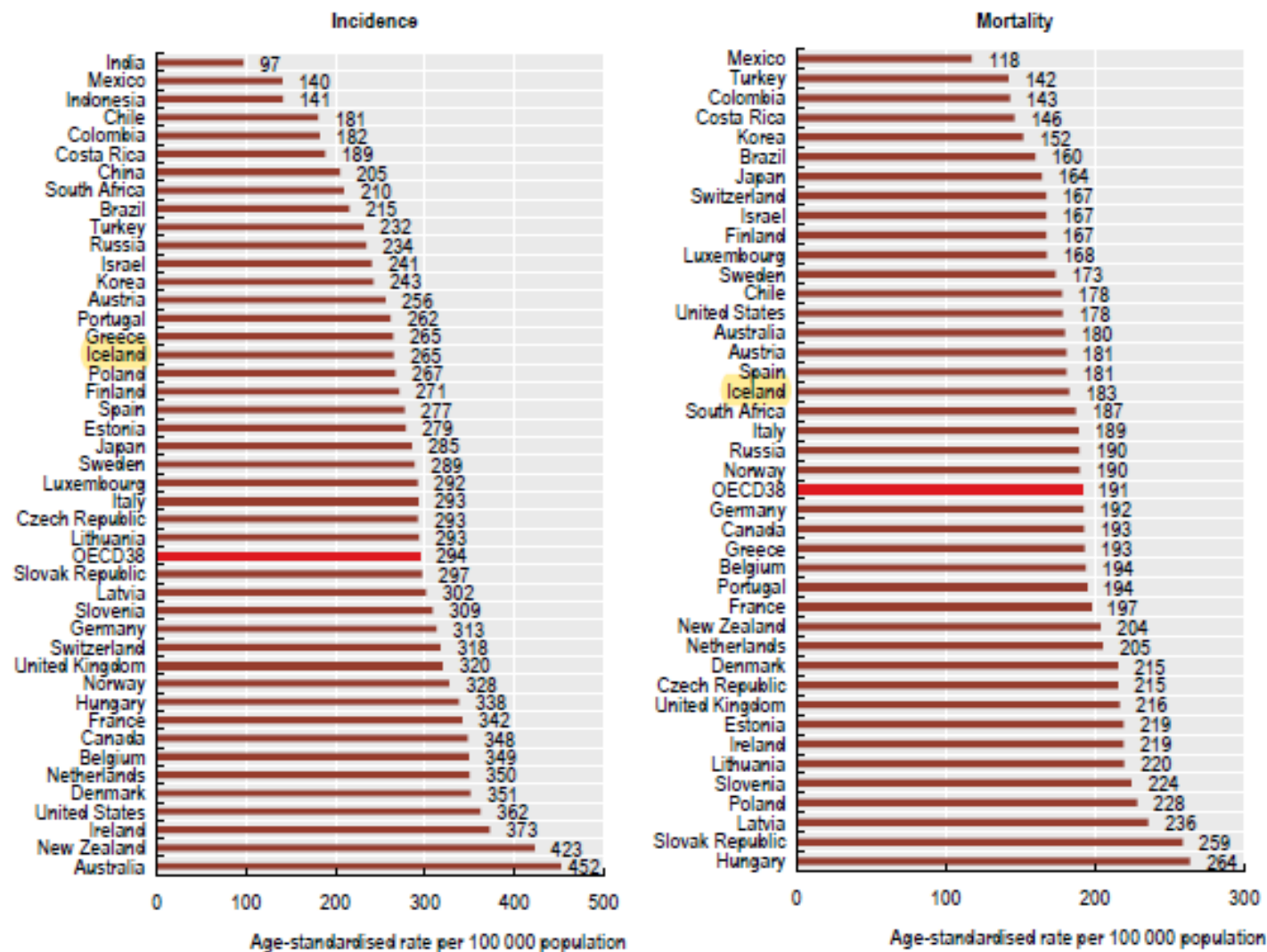


**Good access to services**

# LOW CANCER INCIDENCE AND MORTALITY

ICELAND VS. OECD

Figure 3.14. Cancer incidence (estimated), 2020, and mortality, 2019

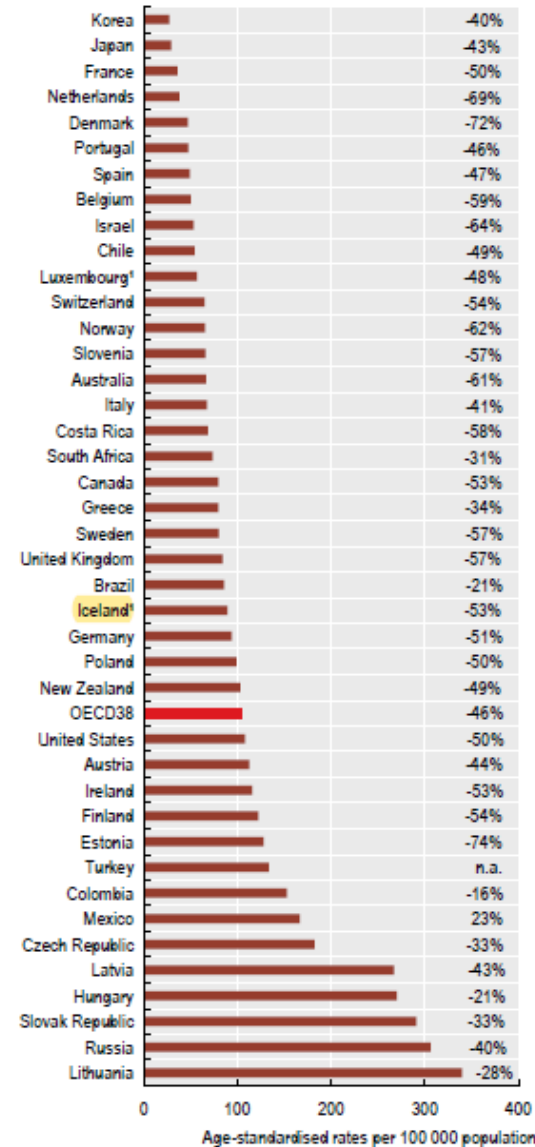


Source: IARC GLOBOCAN 2020, OECD Health Statistics 2021.

# LOW HEART ATTACK AND ISCHAEMIC HEART DISEASE MORTALITY

ICELAND VS. OECD

Figure 3.11. Heart attacks and other ischaemic heart disease mortality, 2019 and change 2000-19 (or nearest year)

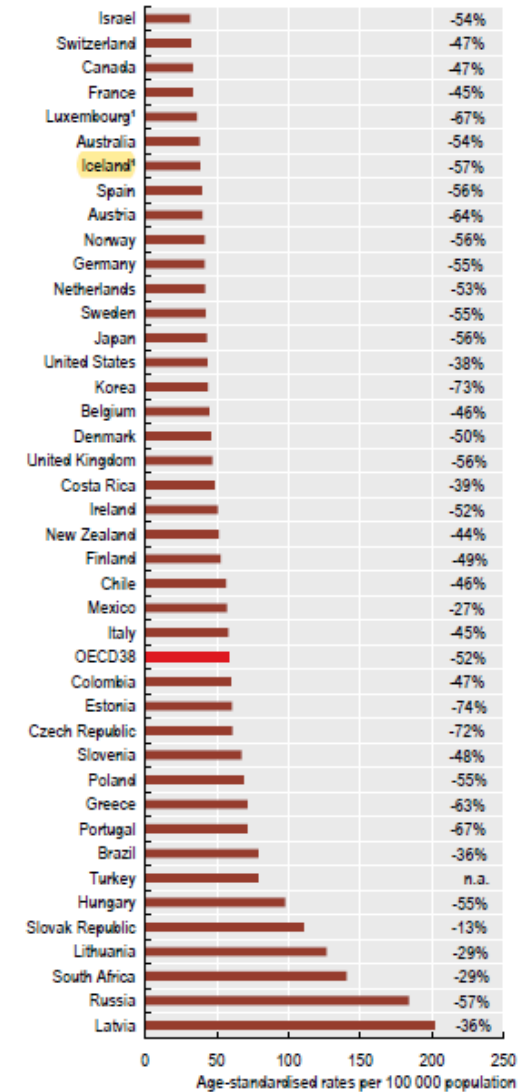


Note: Data label shows percentage change between 2000 and 2019.

# LOW STROKE MORTALITY

ICELAND VS. OECD

Figure 3.12. Stroke mortality, 2019 and change 2000-19 (or nearest year)



Note: Data label shows percentage change between 2000 and 2019.  
1. Three-year average.

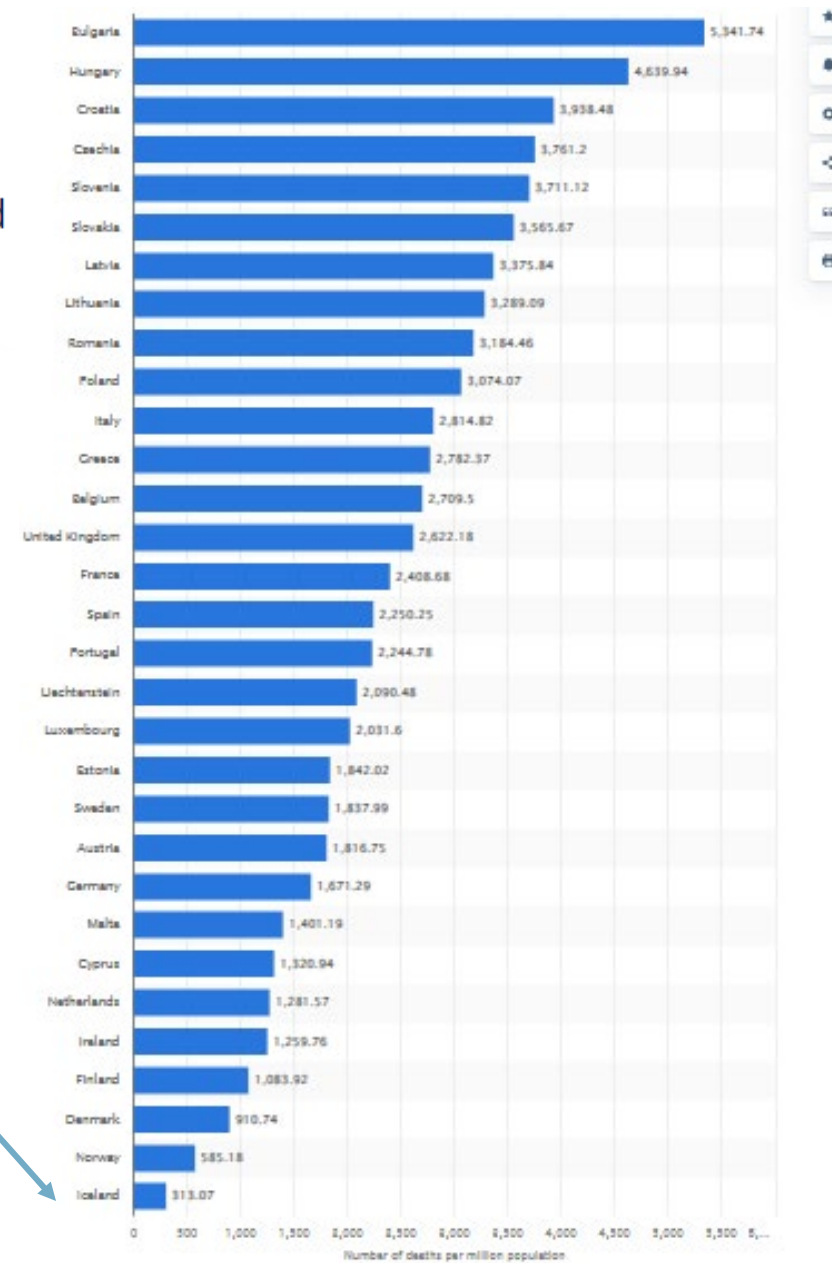
Source: OECD Health Statistics 2021.

stat.link  <https://stat.link/o9tasv>

# LOW COVID-19 MORTALITY

Incidence of coronavirus (COVID-19) deaths in the European Economic Area and the United Kingdom as of May 29, 2022, by country

*(per million population)*





# THE ICELANDIC HEALTH CARE SYSTEM

- **One university hospital**
- **One teaching hospital**
- **Several small rural hospitals**, primary care, nursing homes
- **Primary health care centres**
- **Private practices**
- **Financing**
  - National health insurance
  - Fixed budgets
  - Fee for service, private practices
- **EHR and diverse clinical information systems**
- **OeBS system for financial and HR processes**



# LANDSPÍTALI

THE ONLY UNIVERSITY HOSPITAL AND LARGEST ORGANIZATION IN ICELAND



**6.400 employees  
and 2.000 students**

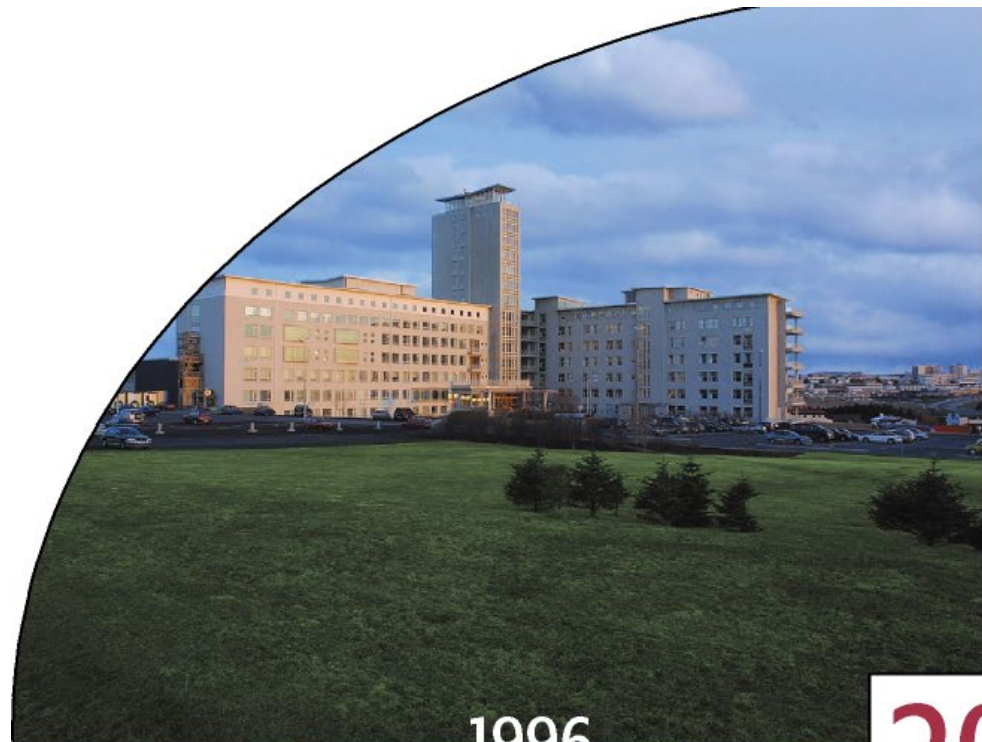
**in 100 buildings**

**on 20 sites in the capital  
area of Reykjavík...**

**New CEO in 2008, 2010, 2014 and 2022**  
Major reorganization in 2009, 2015, 2019 and  
2023

**Created by a series of mergers**  
In 1996, 2000 and 2011





1996

2000

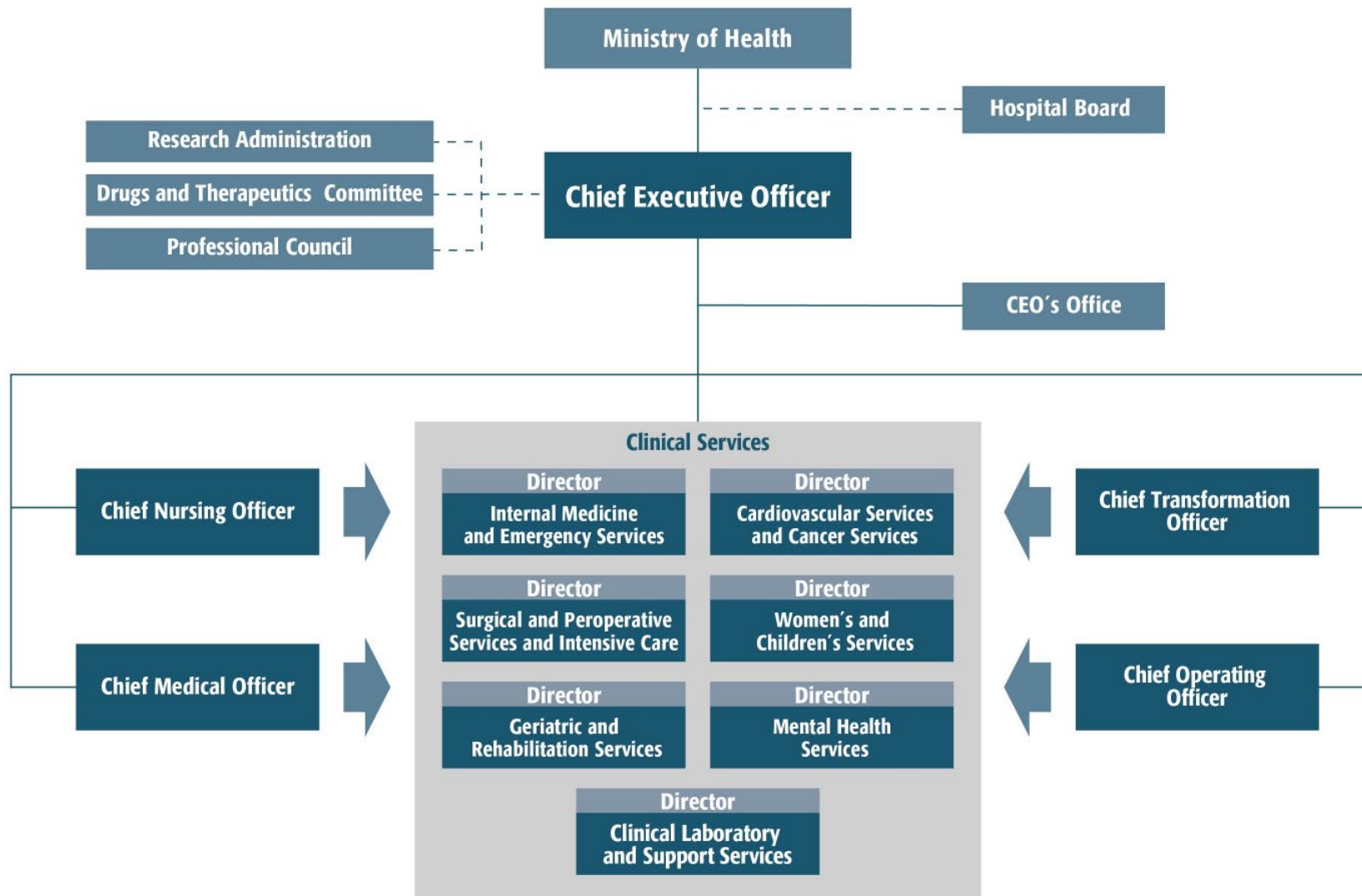


# LANDSPÍTALI - HRINGBRAUT



# LANDSPÍTALI - FOSSVOGUR





# LANDSPÍTALI

## 40 medical specialities

- Many subspecialities

## Medical speciality training abroad

- Mostly in Sweden, Norway, USA, UK, The Netherlands

## Very few patients sent abroad for treatments

- Some heart surgery, some stem cell treatments, PET and solid organ transplants (excl. renal transplants)

## Good clinical results

## A third of the population served in 2022

## Approximately 1.900 students per year

## 2021 Budget approx 103,5 billion ISK

- 764 million USD
- 727 million EUR

# CLINICAL SERVICE

91.500  
emergency  
visits

331.000  
outpatient  
visits

26.400  
admissions

651 hospital  
beds

4,8 days  
average  
length of stay

13.200  
surgical  
procedures

3.109 births



# The year 2022 at Landspítali

 128.371  
Number of individuals receiving hospital care

 3.558.905  
Diagnostic procedures


 4.800  
Computers using over 100 clinical systems

 4.521  
Household power usage equals

 13.175  
Surgical procedures

 500.000  
Calls to phonecenter


 1.994  
Students at the hospital

 1.654  
Cardiac catheterizations


 62.038  
Visits to emergency unit Fossvogur


 91.480  
Visits to emergency units

 26.379  
Admissions

 330.997  
day- and outpatient visits

 218.661  
Patient days

 111.557  
Visits to physio- and occupational therapists

 12  
Patients per day in intensive-care units

 16.325  
Pediatric emergency visits


 2.195  
New blood donors

 3.167  
Babies born

 25.837  
Outpatient mental health visits

 6.148  
Employees at work

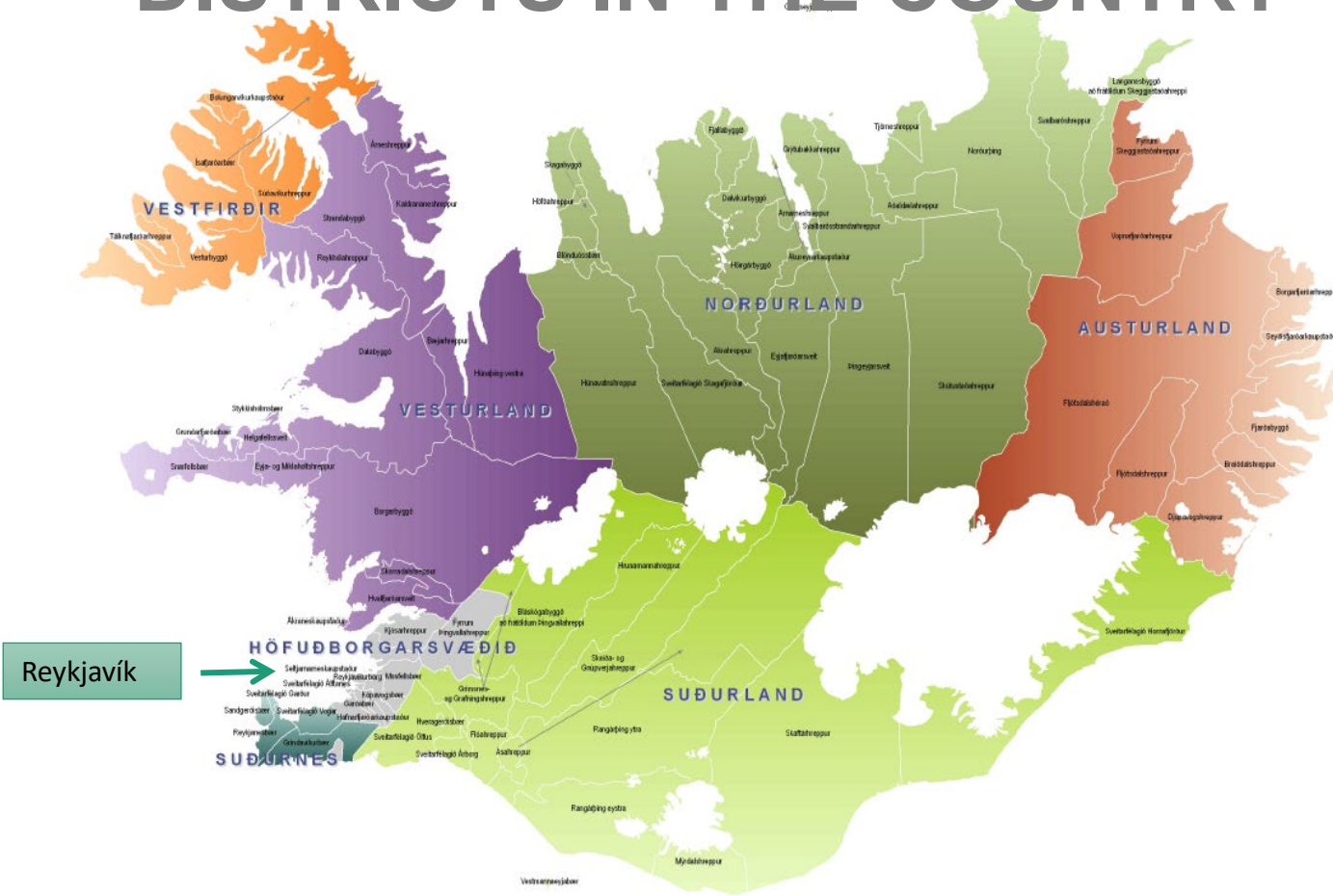
 8.884  
Patients in dialysis

 1.750  
Tons of waste

# A TYPICAL DAY AT LANDSPITALI

- 599 inpatients
- 1.336 day- and outpatient visits
- 72 new admissions
- 9.750 laboratory tests
- 437 visits to physio- and occupational therapists
- 251 emergency unit visits
- 36 surgical procedures
- 9 babies born
- 45 pediatric emergency visits
- 6 cardiac catheterizations
- 31 patients in dialysis
- 103 outpatient mental health visits
- 12 patients in intensive-care units
- 3.700 employees at work
- 4,8 tons of waste, 2,2 tons recycled

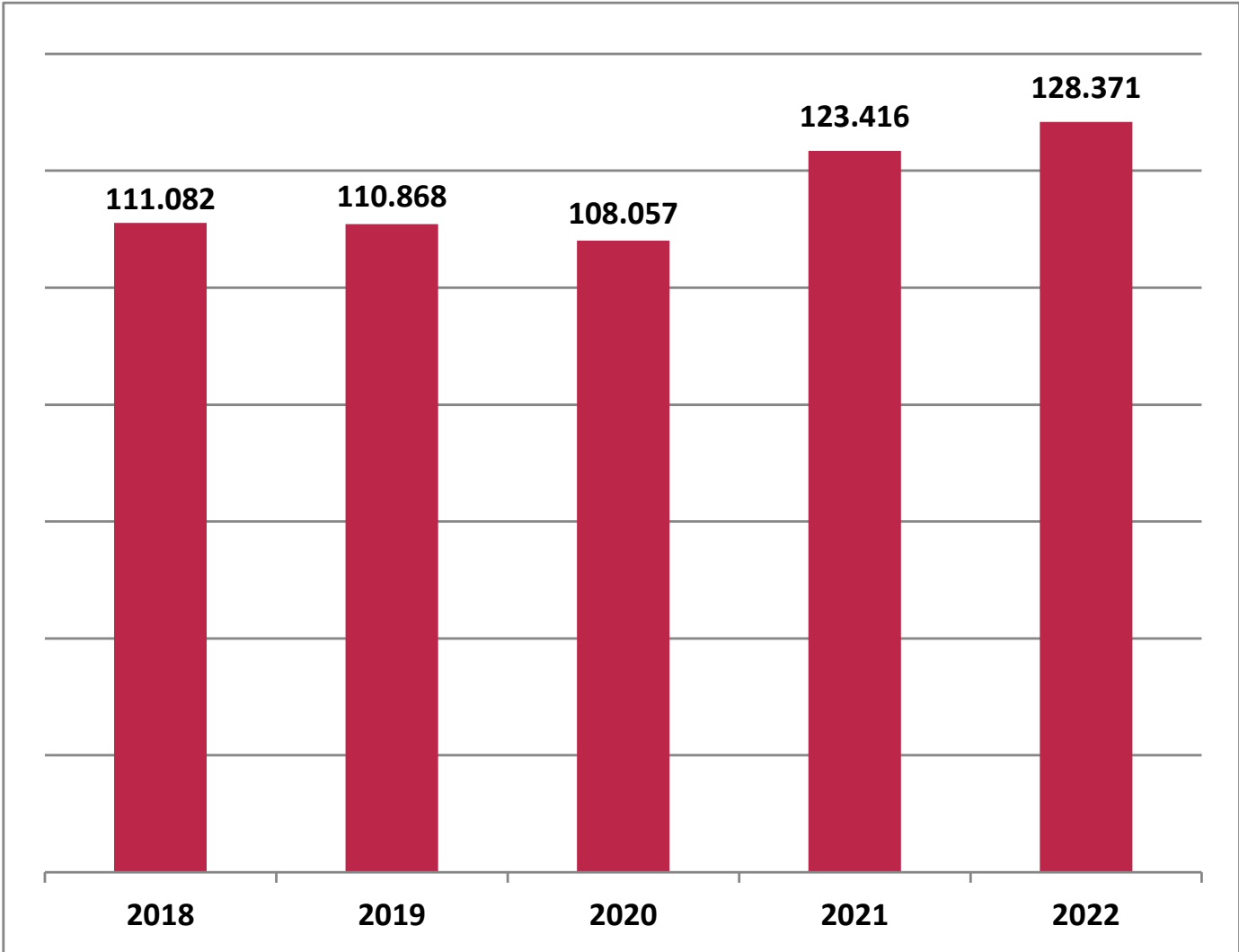
# PATIENTS SEEKING HEALTH CARE SERVICE AT LANDSPÍTALI COME FROM ALL HEALTH DISTRICTS IN THE COUNTRY



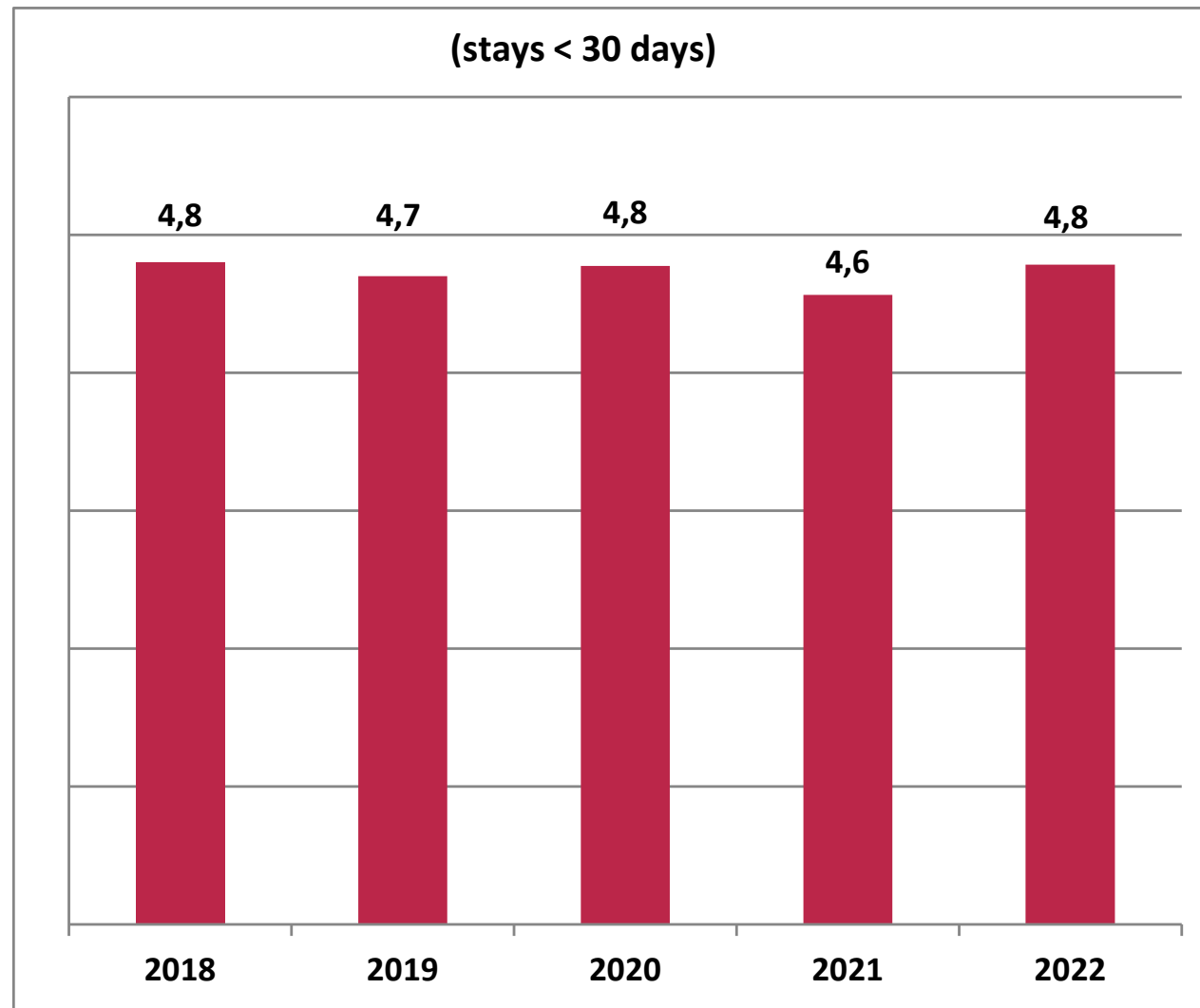
# NUMBER OF INDIVIDUALS RECEIVING HOSPITAL CARE AT LANDSPÍTALI



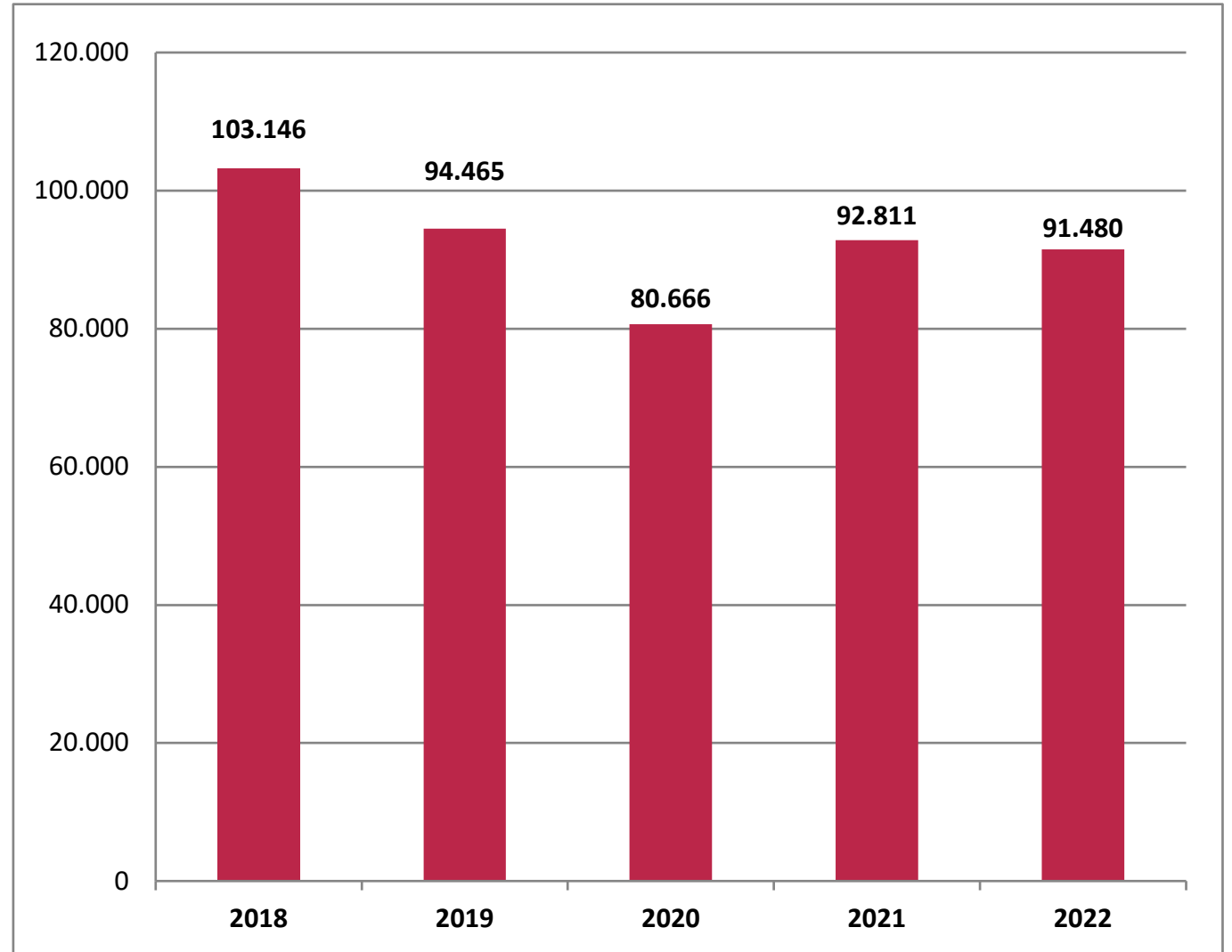
APPROX. 30 % OF ICELANDERS EVERY YEAR



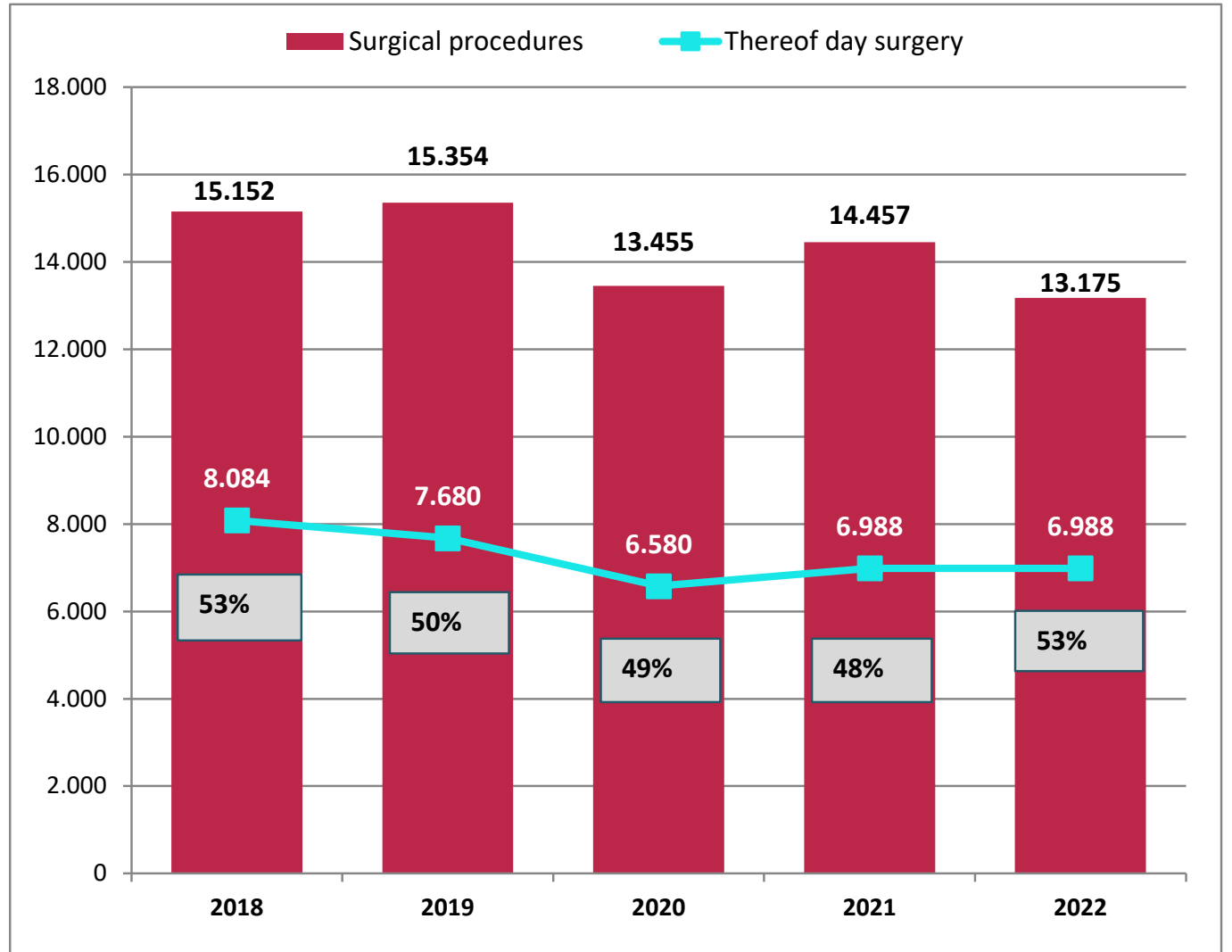
# AVERAGE LENGTH OF STAY (DAYS)



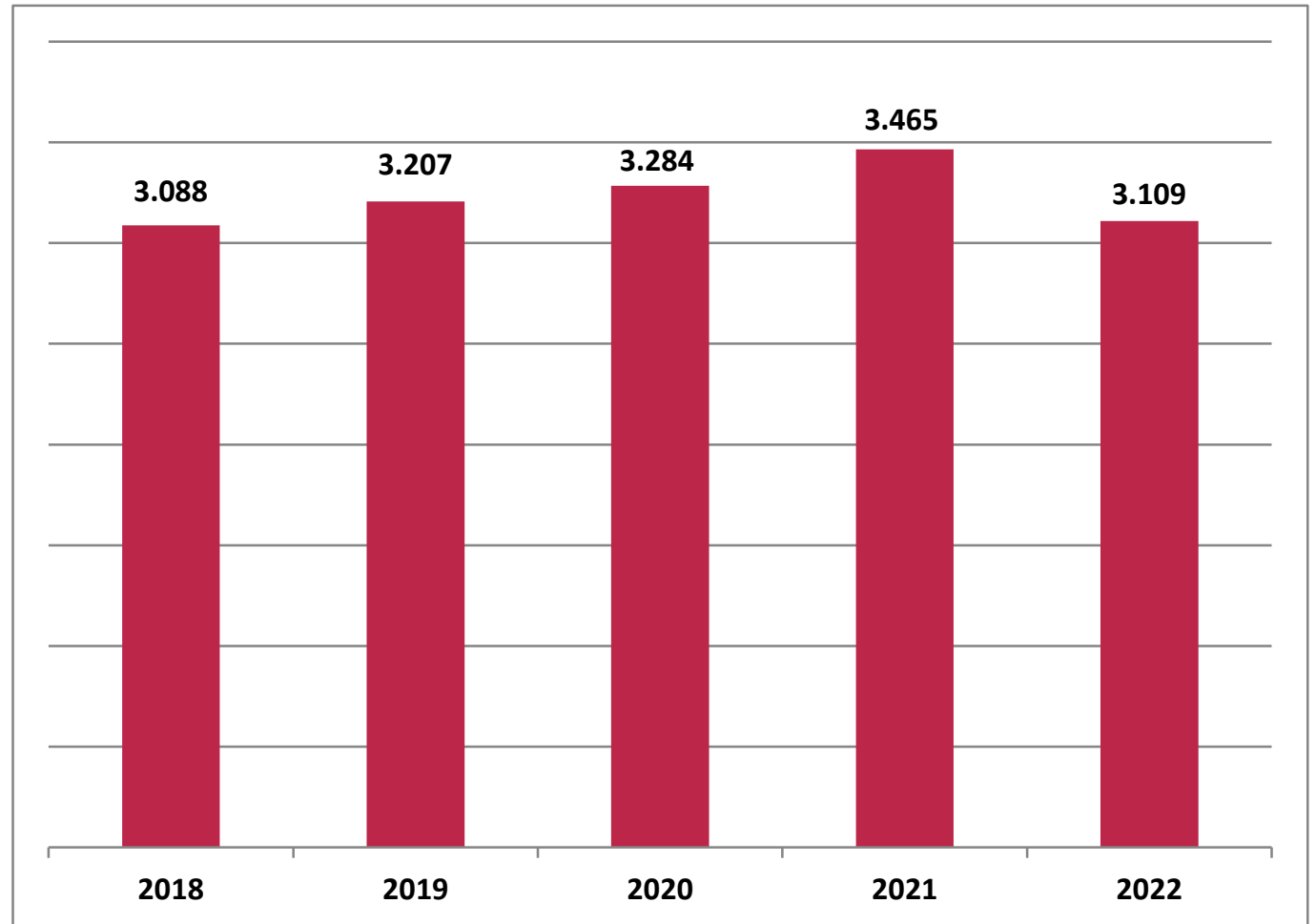
# NUMBER OF VISITS TO EMERGENCY UNITS



# SURGERY



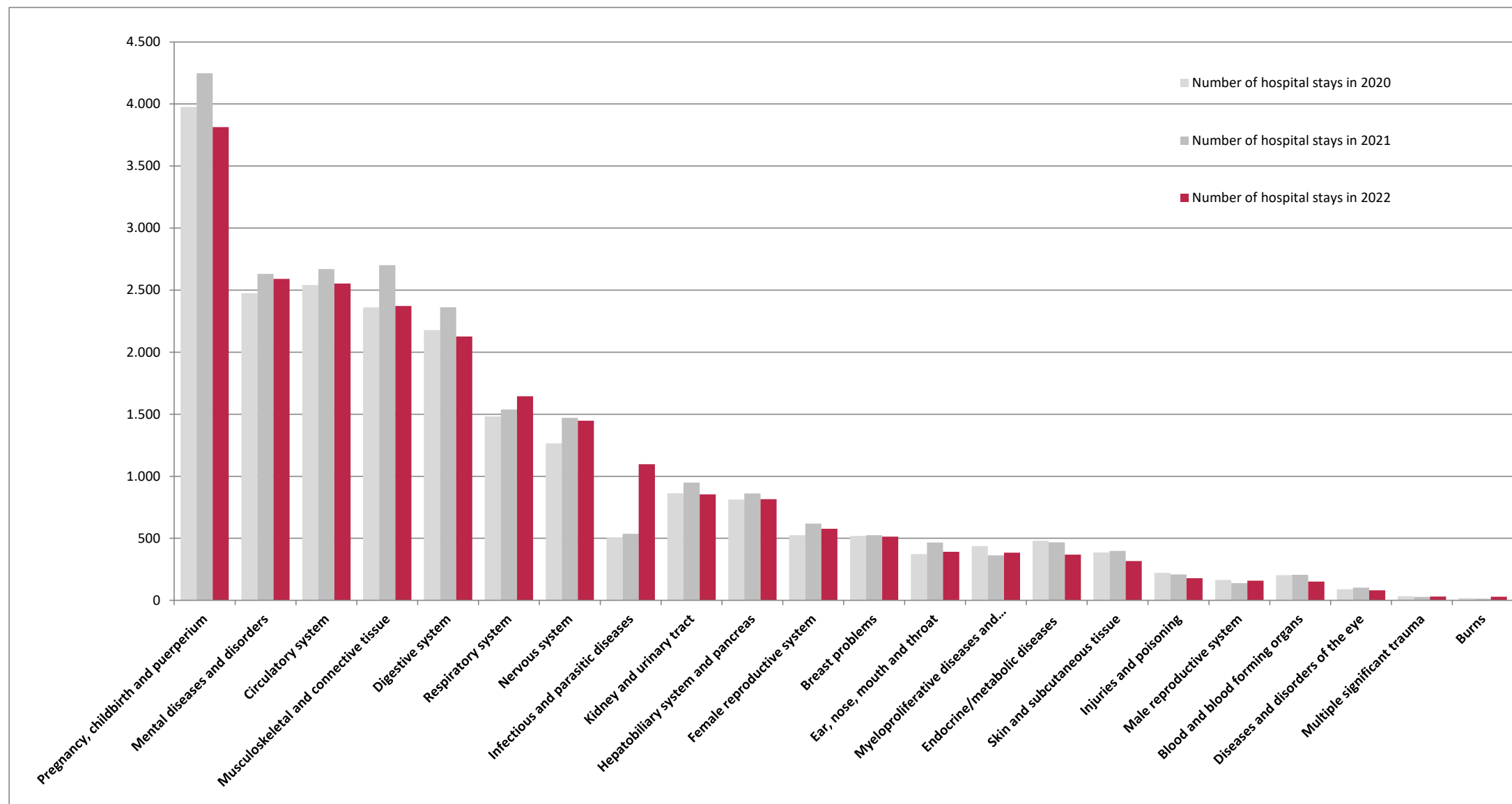
**OVER 70% OF  
ALL BIRTHS  
IN ICELAND  
OCCUR AT  
LANDSPITALI**



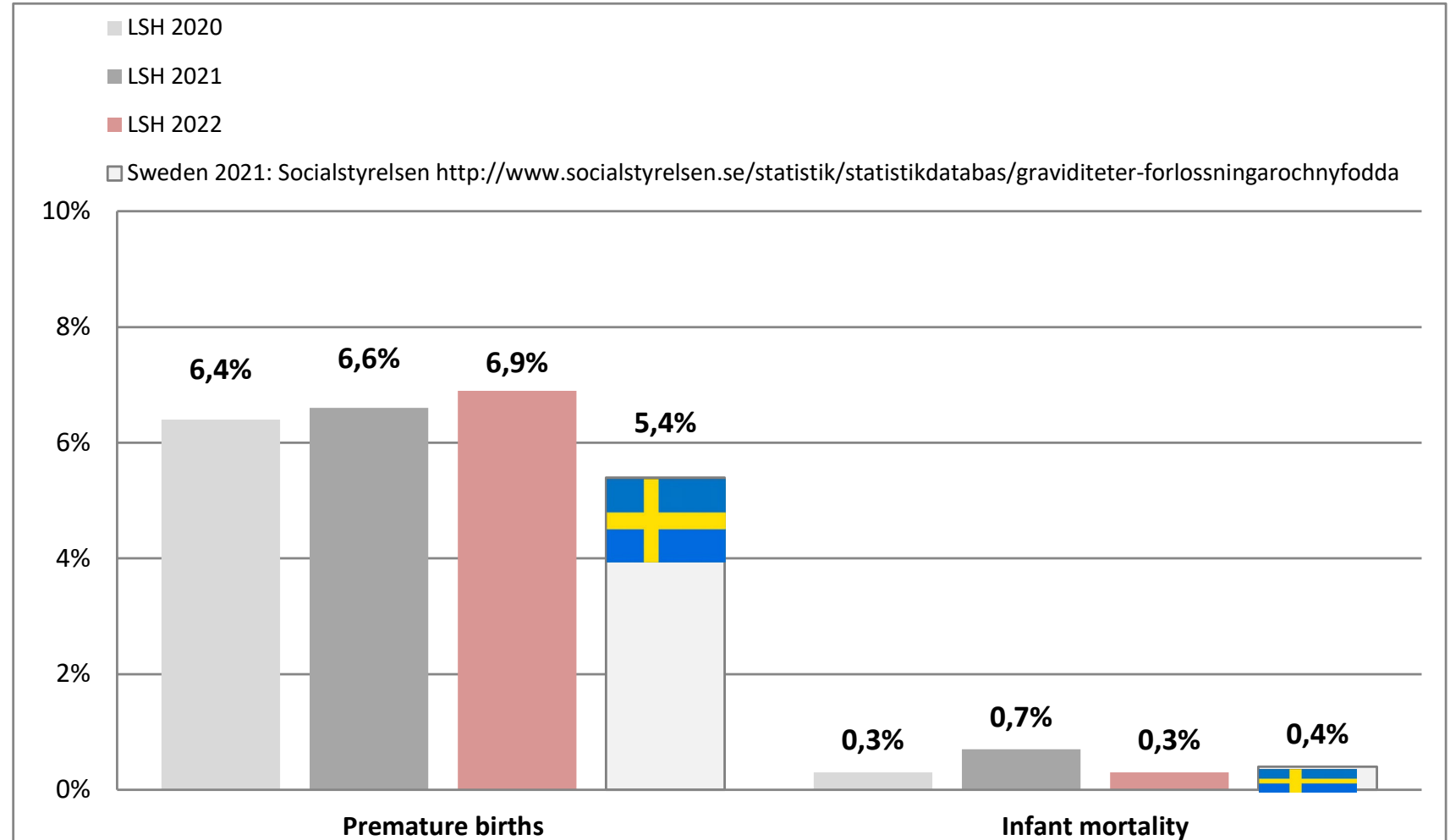


# INPATIENTS; MAIN DIAGNOSTIC CATEGORIES

(OF THE DRG SYSTEM)

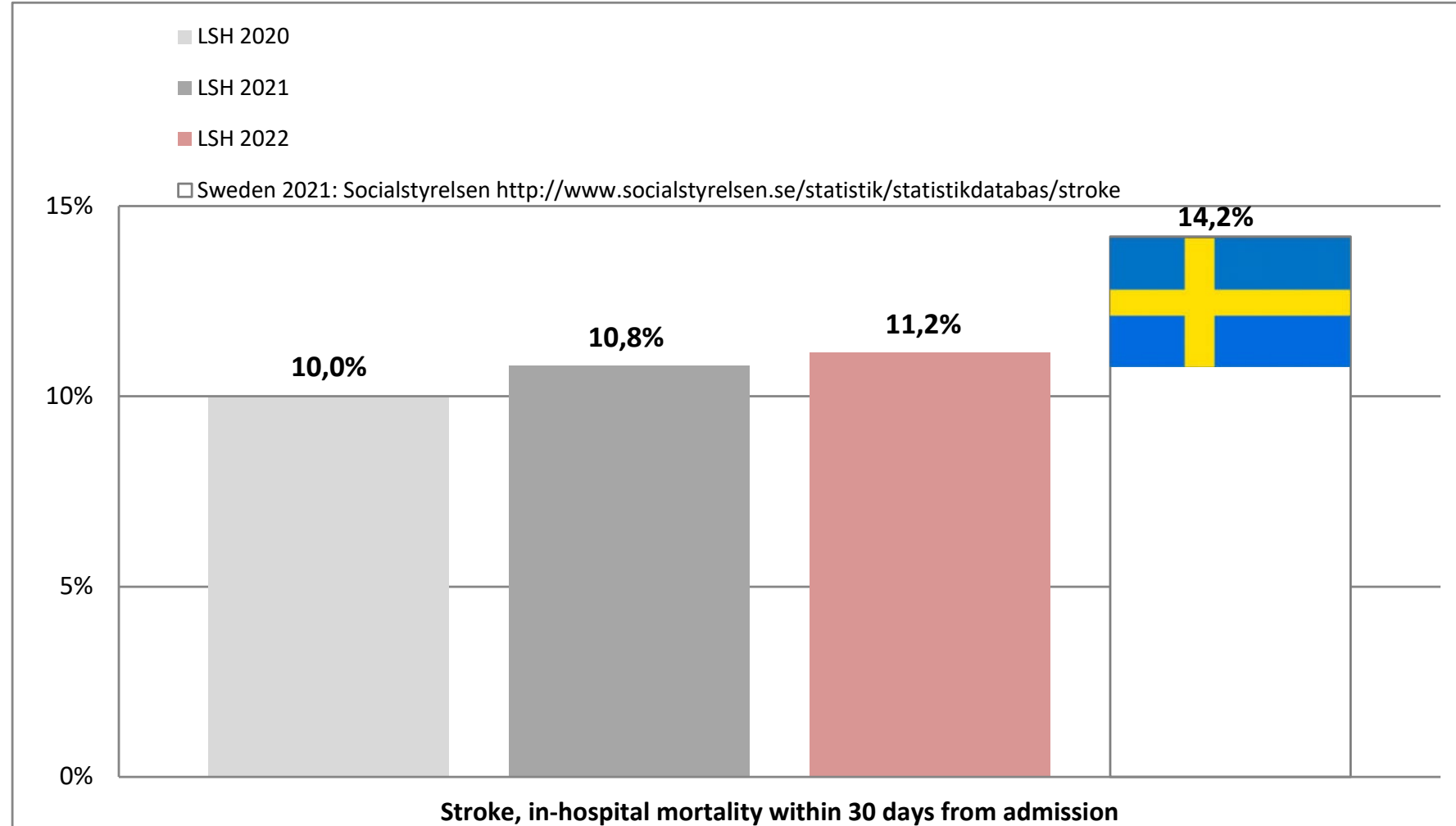


# QUALITY INDICATORS: BIRTHS



# QUALITY INDICATORS: NEUROLOGY

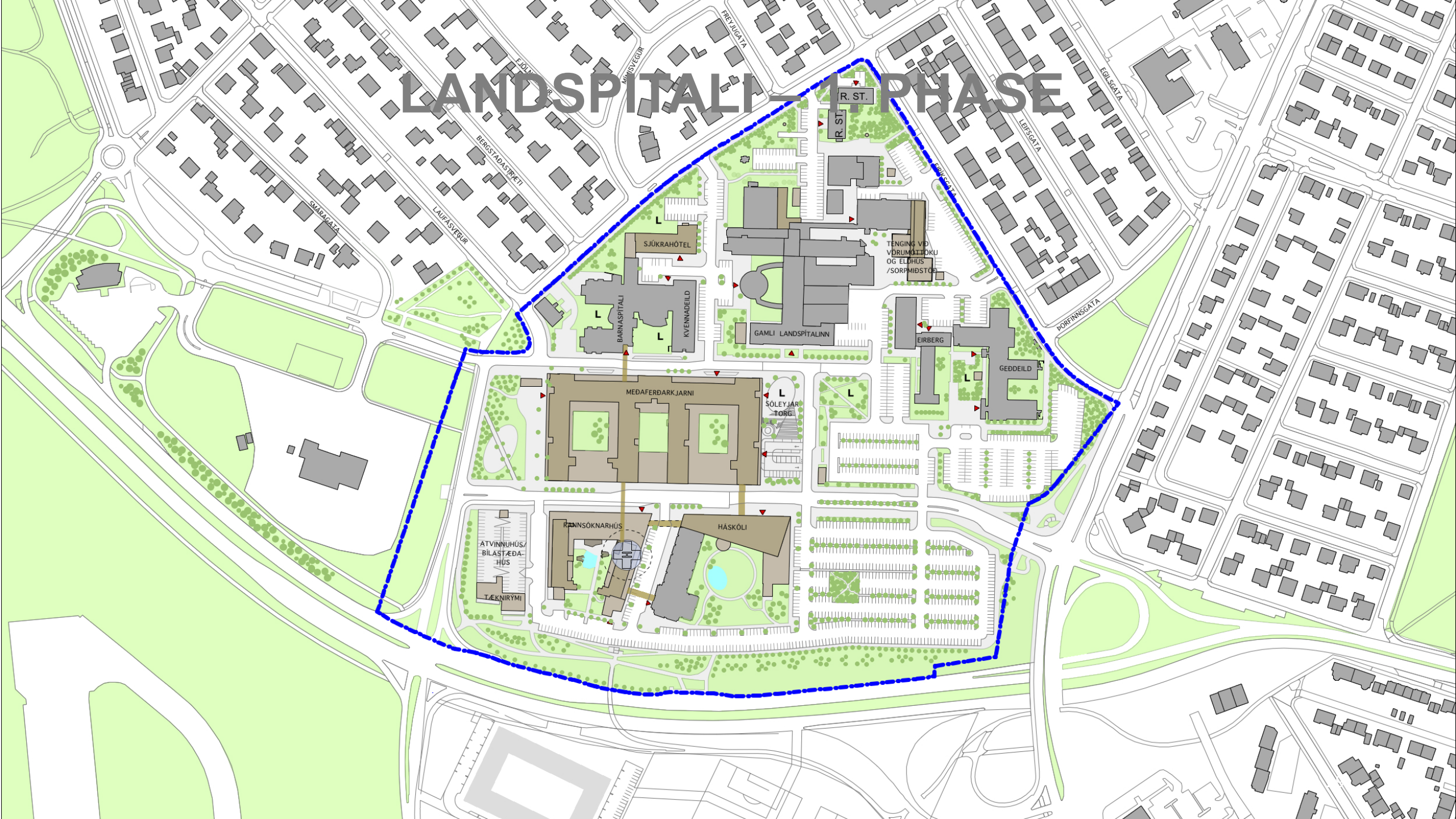
## STROKE, MORTALITY WITHIN 30 DAYS FROM ADMISSION



# NEW HOSPITAL BUILDING



# LANDSPÍTALI — PHASE



# LANDSPÍTALI – ACUTE CORE / TREATMENT AREAS /BED WARDS – 58.500 M<sup>2</sup>

