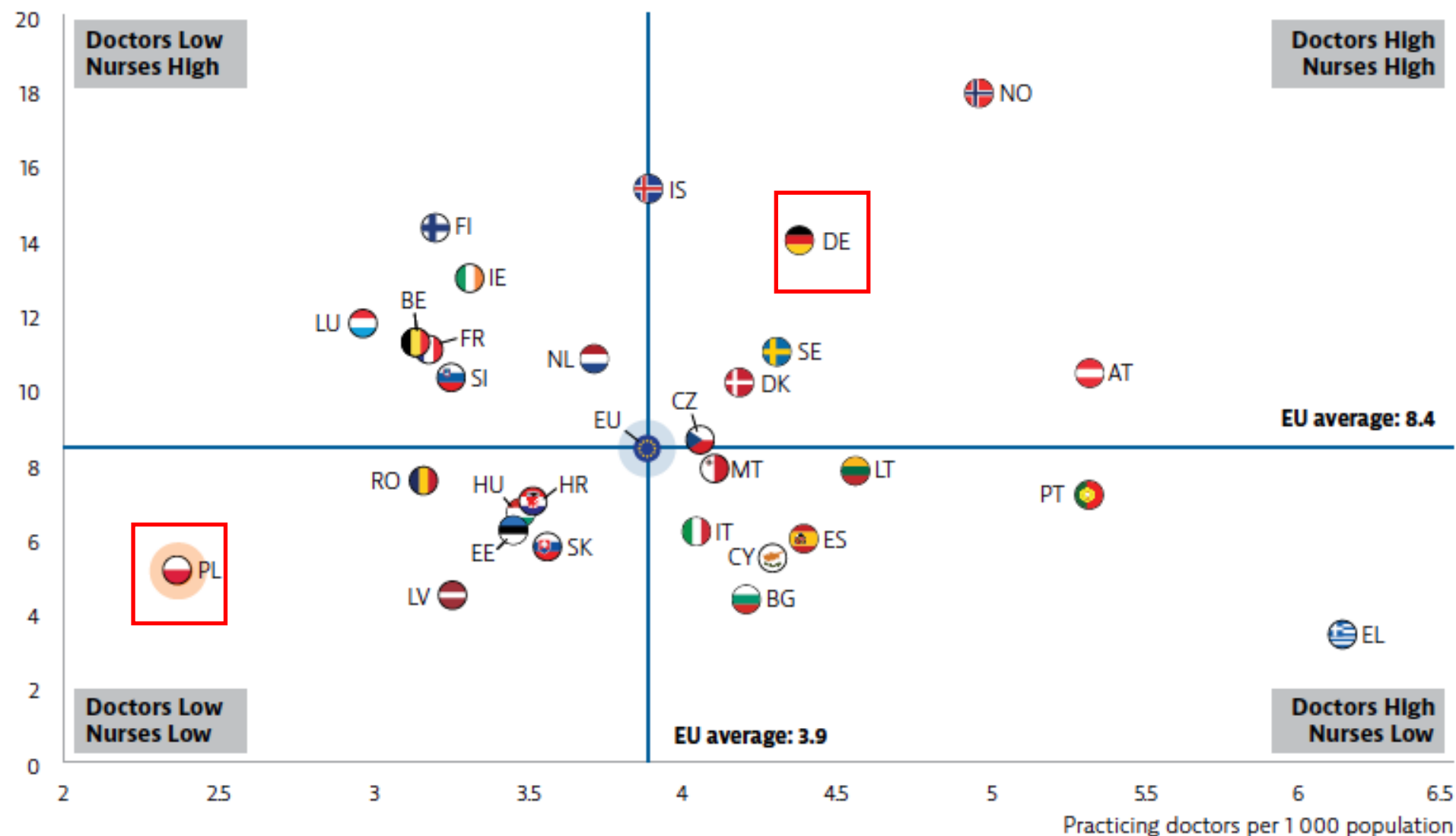
A detailed scanning electron micrograph (SEM) of a biological sample, likely a cross-section of a plant stem or root. The image shows a complex network of fibers and cells. Several large, yellow, spherical structures are prominent, possibly representing specialized cells or storage organs. Numerous green, rod-shaped structures are scattered throughout, some appearing to be attached to the fibers. The background is a dark, textured surface, possibly the cell walls of the surrounding tissue. The overall appearance is highly detailed and three-dimensional.

**BEZPIECZEŃSTWO  
ZDROWIA PUBLICZNEGO  
W CZASIE PANDEMII**

Jarosław Maroszek

# Zasoby kadrowe ochrony zdrowia u progu COVID-19

Practicing nurses per 1 000 population

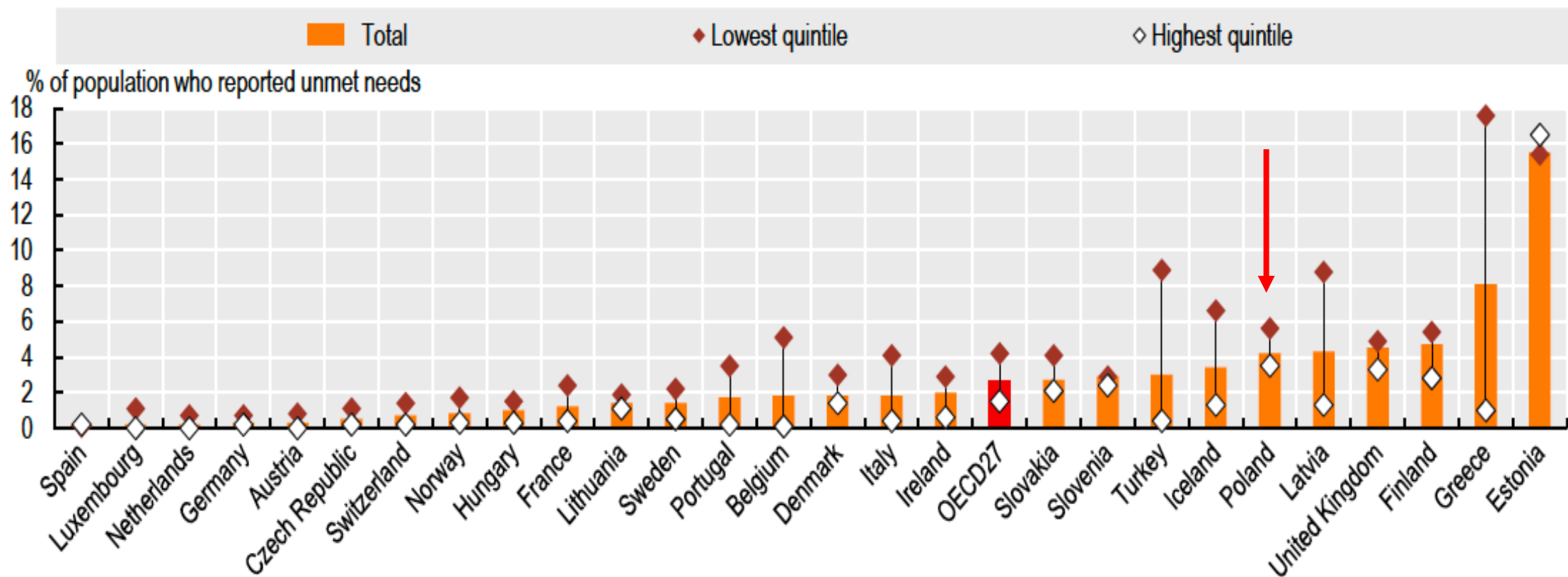


Note: The EU average is unweighted. In Portugal and Greece, data refer to all doctors licensed to practise, resulting in a large overestimation of the number of practising doctors (e.g. of around 30 % in Portugal). In Greece, the number of nurses is underestimated as it only includes those working in hospitals.


Source: Eurostat Database (data refer to 2019 or the nearest year).

# Niezaspokojone potrzeby związane z opieką medyczną

Figure 5.4. Population reporting unmet needs for medical care, by income level, 2019



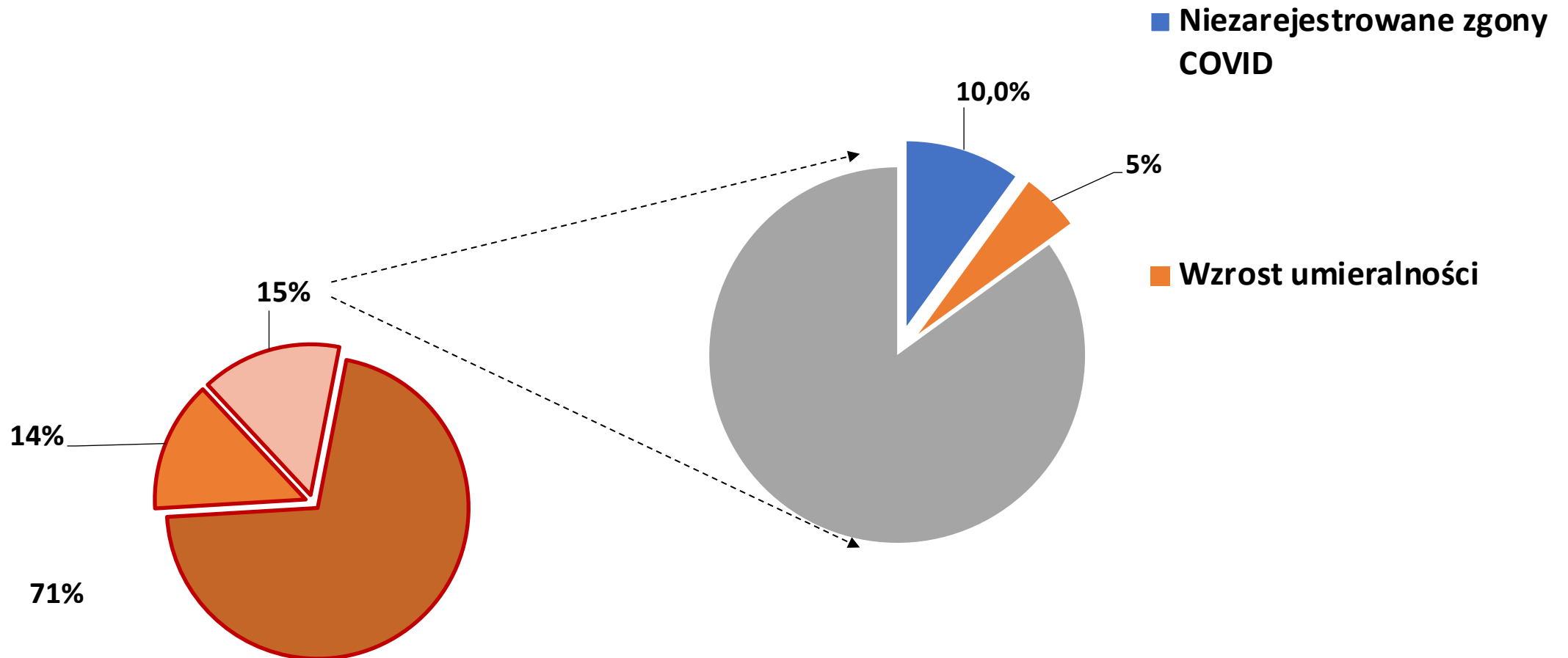
Source: Eurostat database, based on EU-SILC.

StatLink  <https://stat.link/uv9k1z>

Prof. Krzysztof Simon

# Statystyka zgonów w 2021 roku

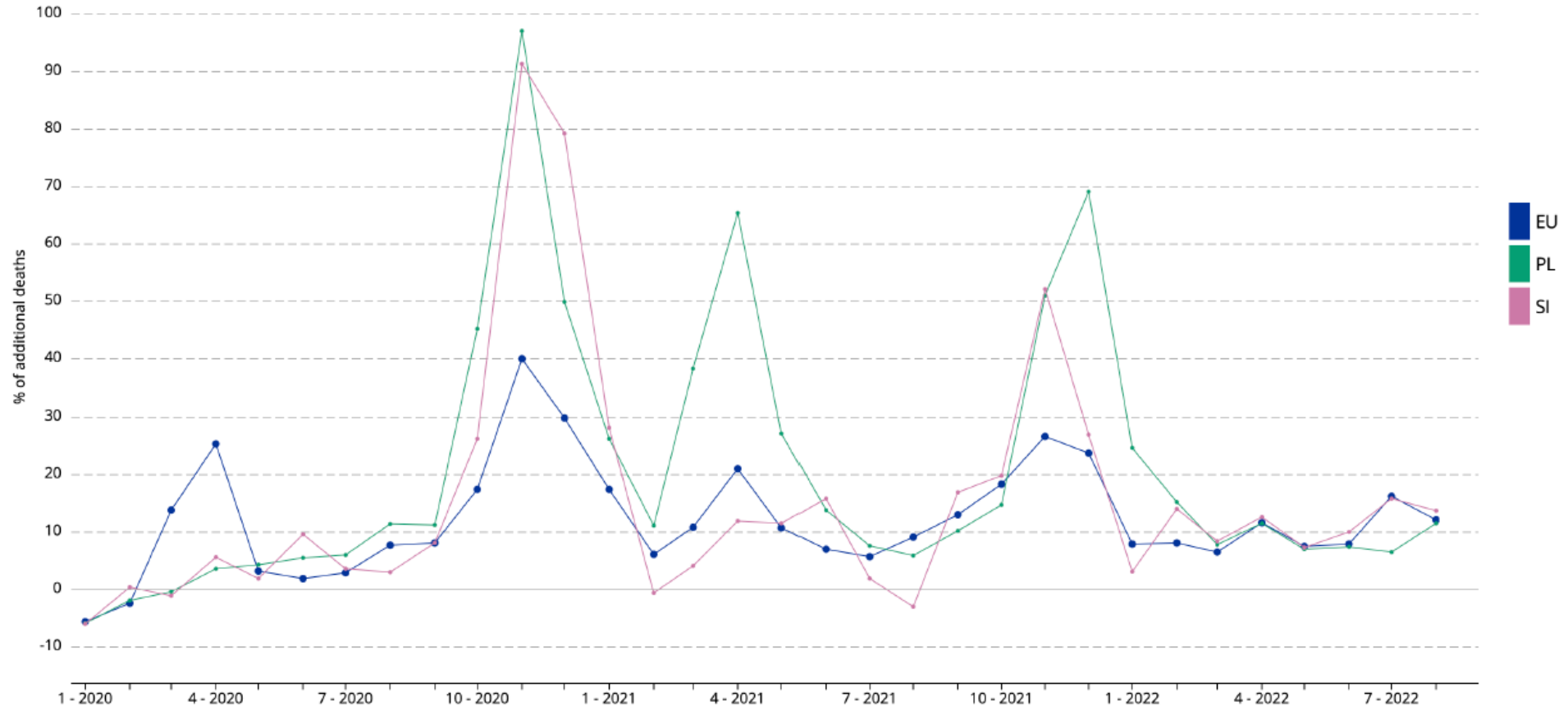
■ Zgony nadmiarowe ■ Średnia 5 lat pre-COVID ■ Zgony COVID



### Monthly excess mortality

(% of additional deaths compared with average monthly deaths in 2016-2019)

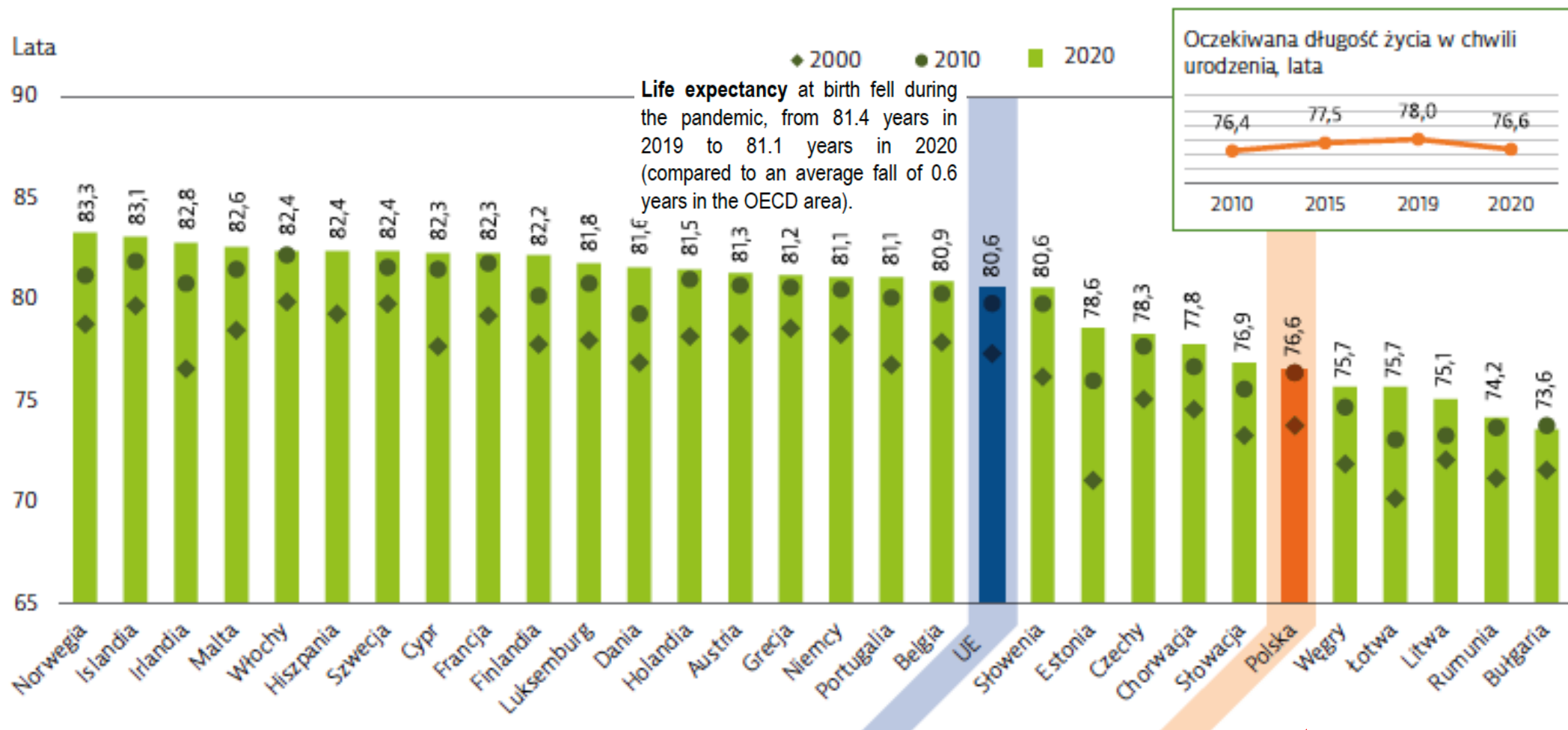
3 countries selected



Monthly data are estimated from weekly deaths data.



Rys. 1. Oczekiwana długość życia w chwili urodzenia jest w Polsce o cztery lata krótsza niż średnia UE



Uwaga: Średnia UE jest ważona. Dane dotyczące Irlandii odnoszą się do 2019 r.

Źródło: Baza danych Eurostatu.



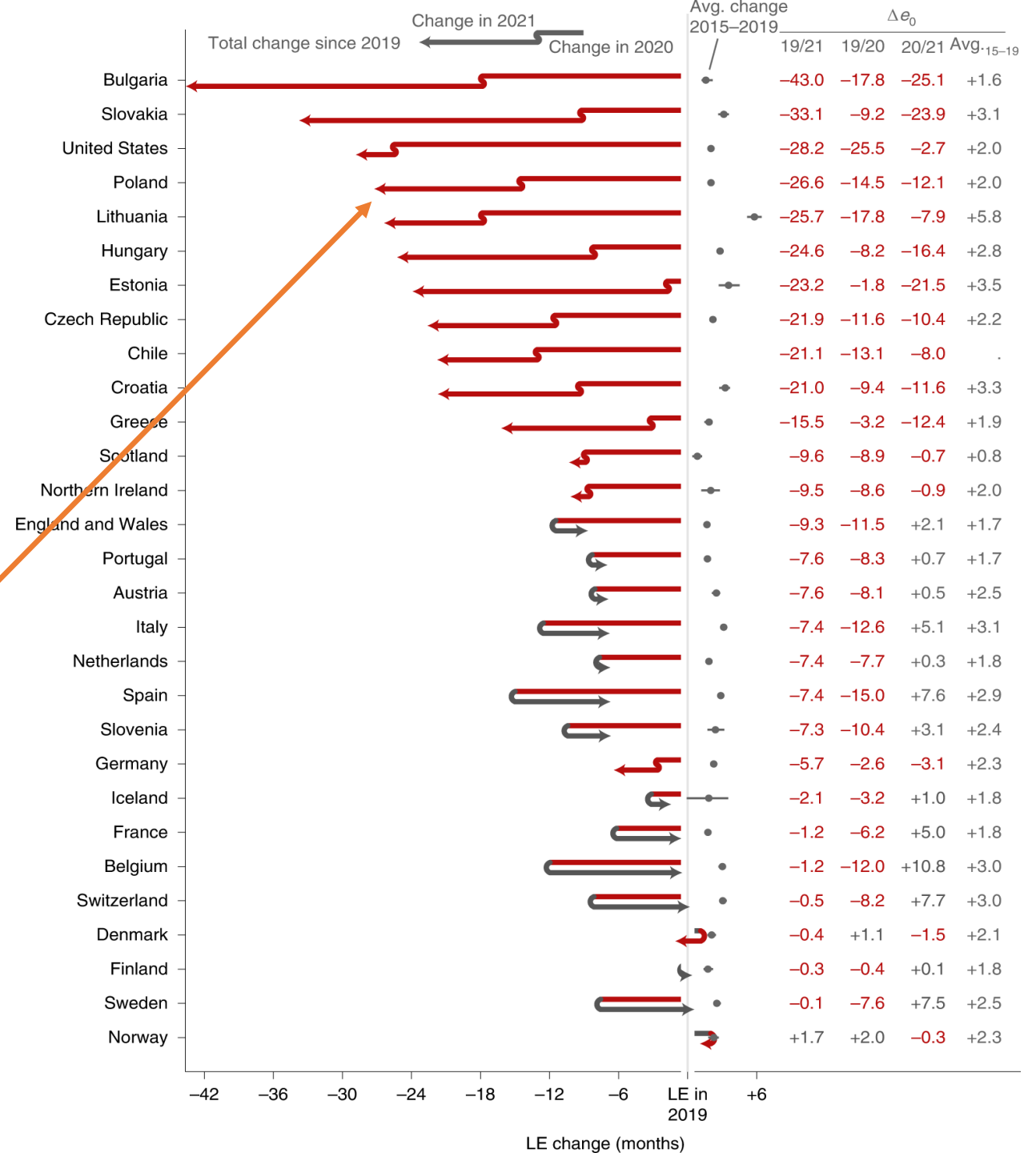


# Life expectancy changes since COVID-19

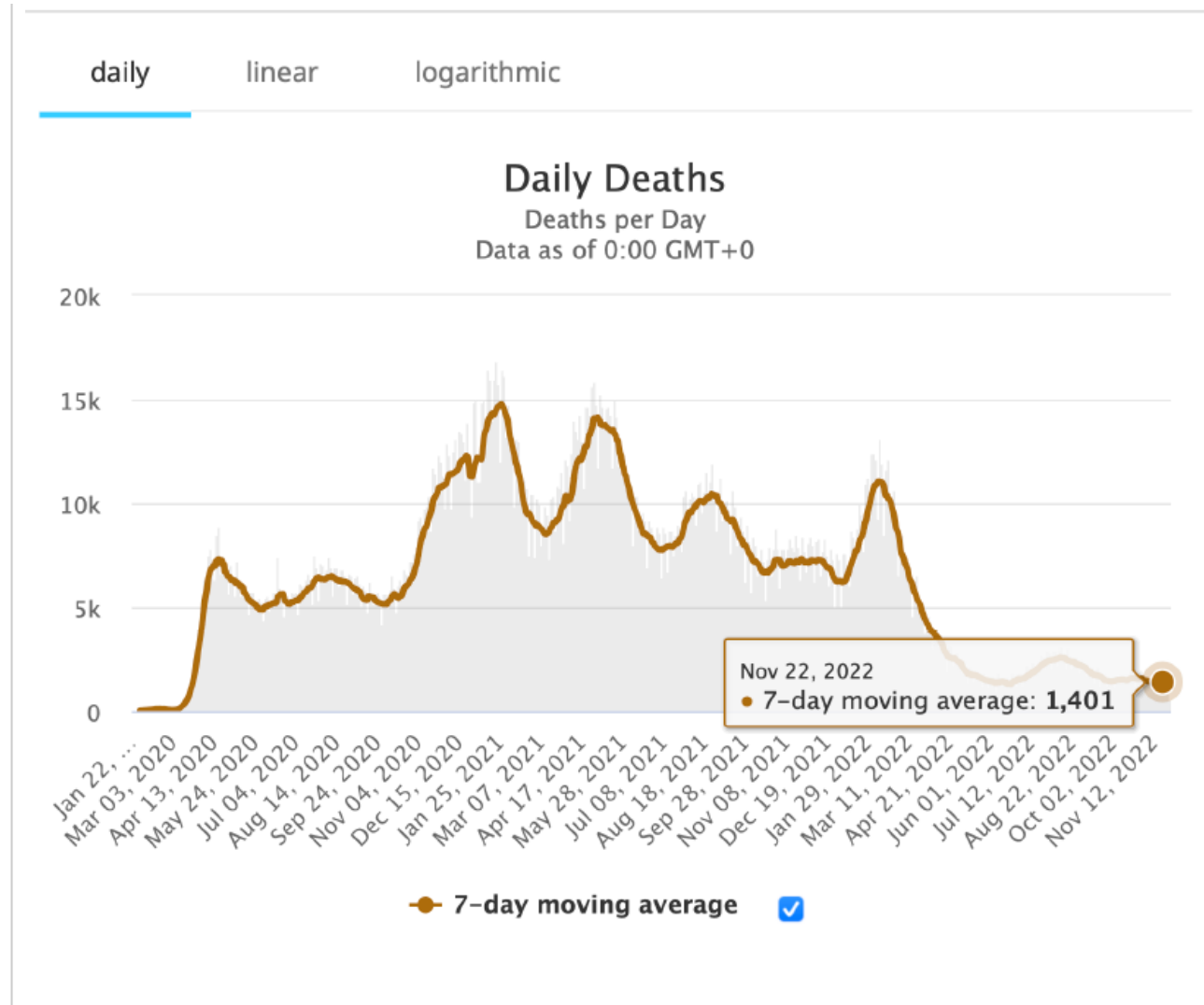
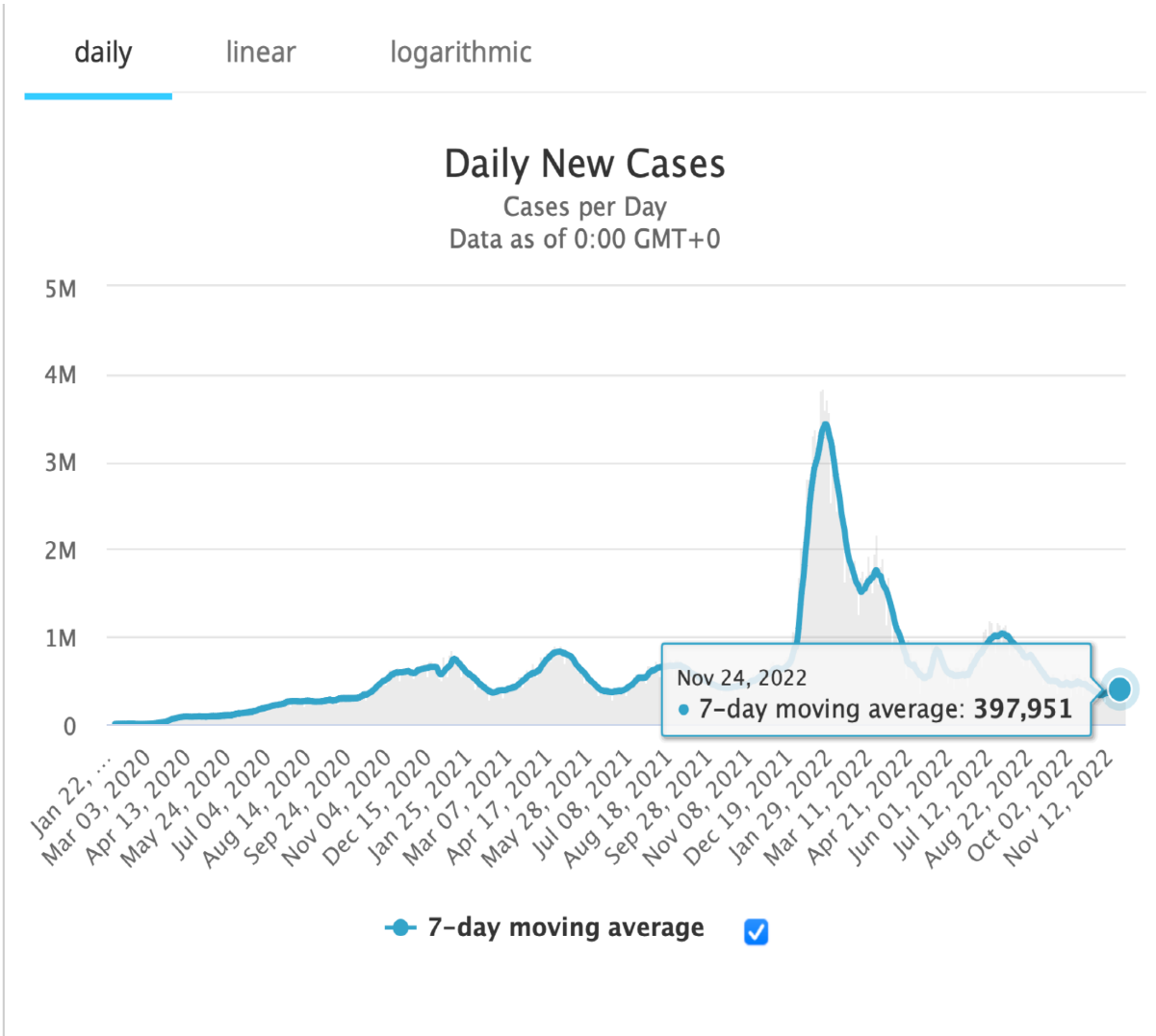
Published: 17 October 2022

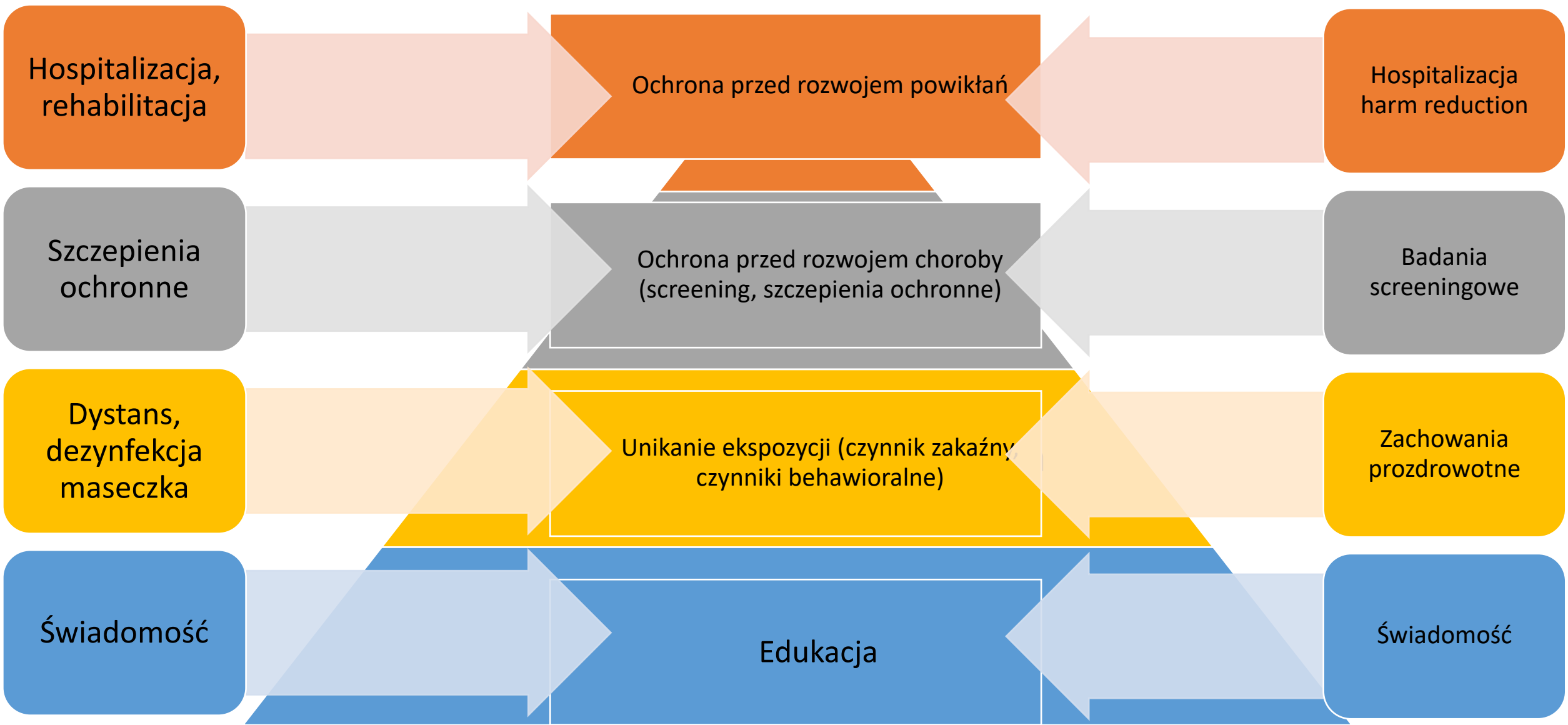
Schöley J at al.

- The position of the arrowhead indicates the total change in LE from 2019 through 2021.
- The grey dots and lines indicate the average annual LE changes over the years 2015 through 2019 along with 95% CIs.
- $\Delta e_0$  marks the change in period LE over the designated period.



Dr Jacek Klakocar



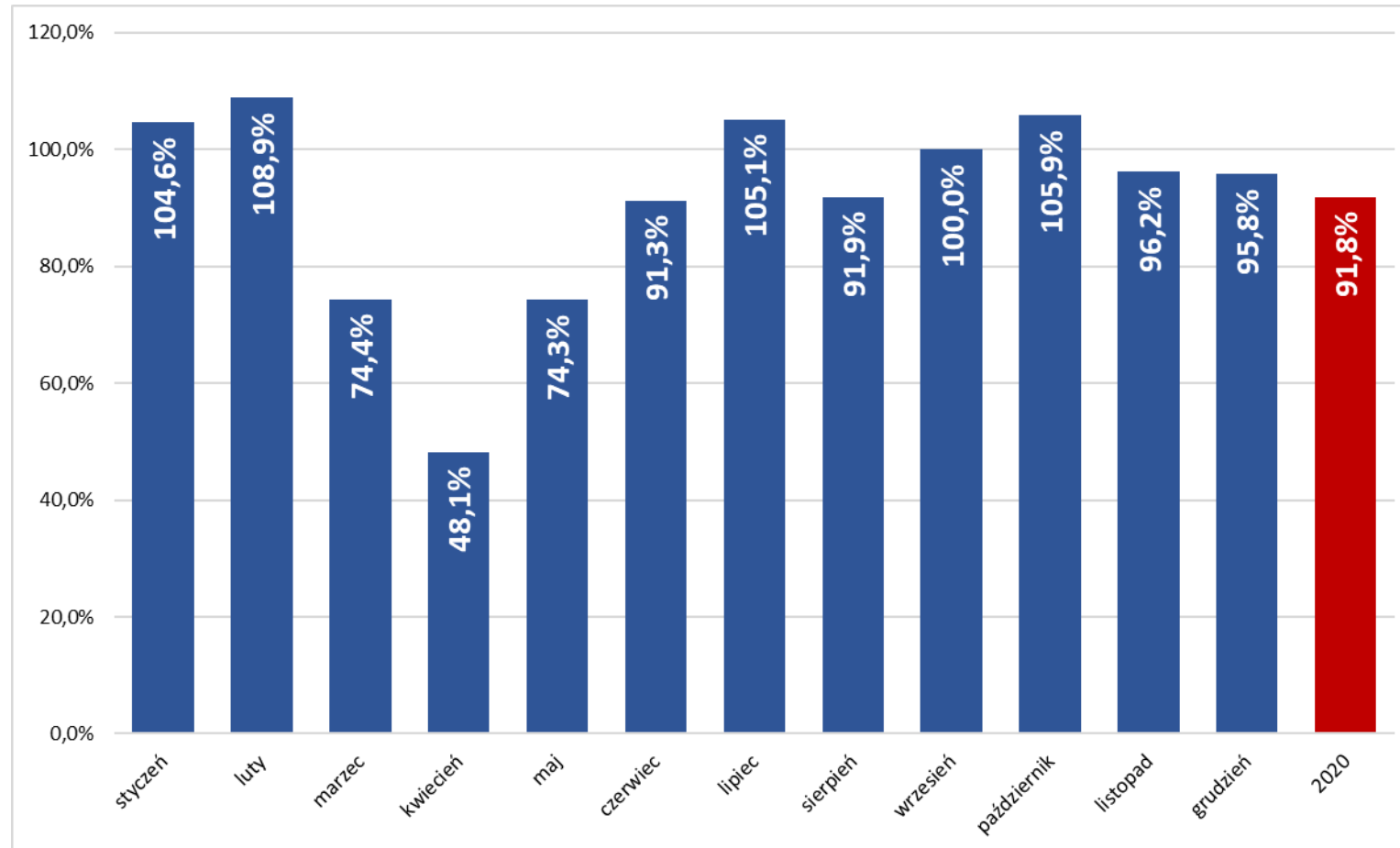


**CHOROBY ZAKAŻNE**

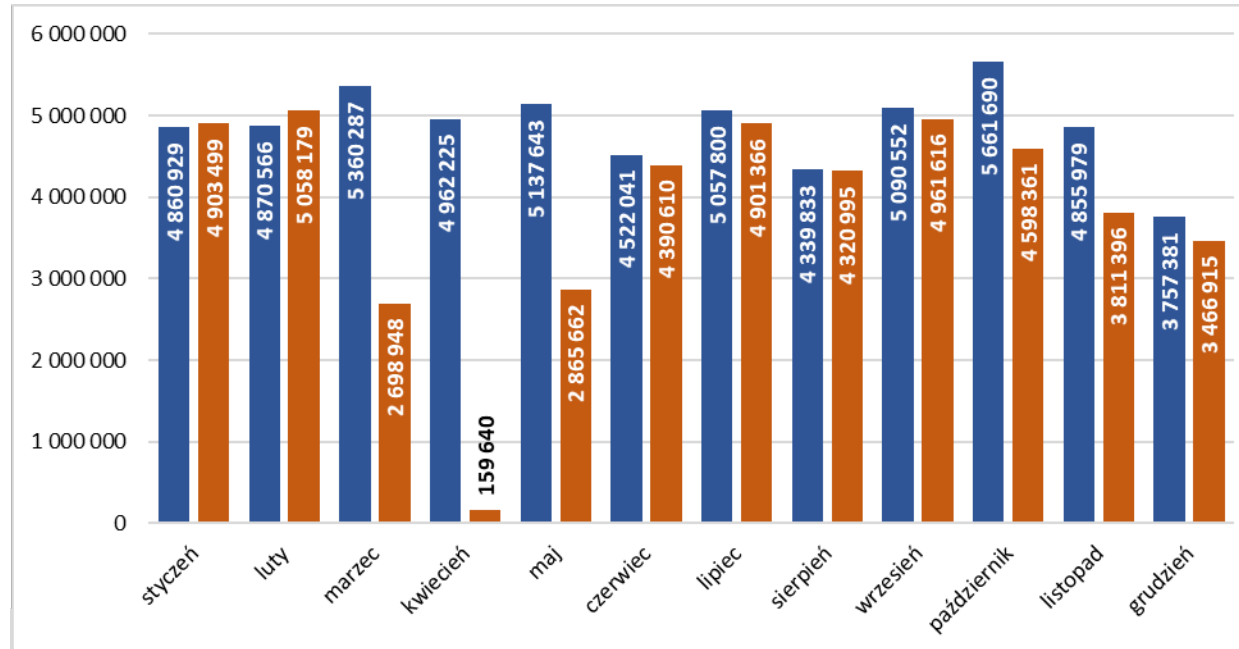
**CHOROBY NIEINFEKCYJNE (NCD)**

Prof. Jerzy Świerkot

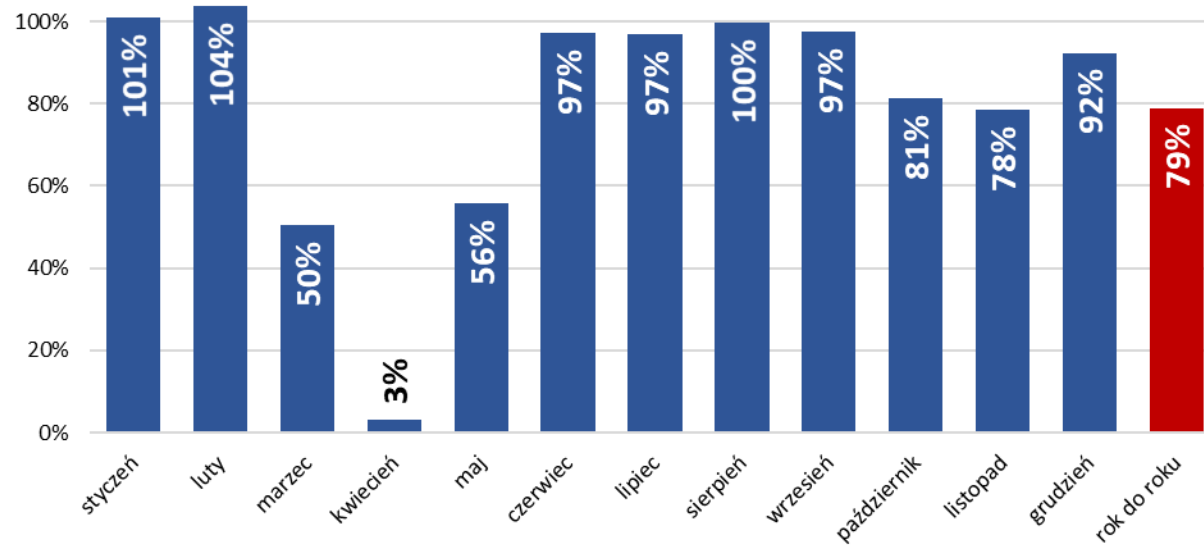
## 02\_AMBULATORYJNA OPIEKA SPECJALISTYCZNA – % realizacji kontraktu



## 05\_REHABILITACJA LECZNICZA – realizacja liczby św.



### Dynamika 2020 vs 2019



**Dynamika  
2020 vs  
2019  
analogiczny  
okres**



Prof. Leszek Szenborn

Indicator: Uptake second booster

Country: Poland

Adults 18+

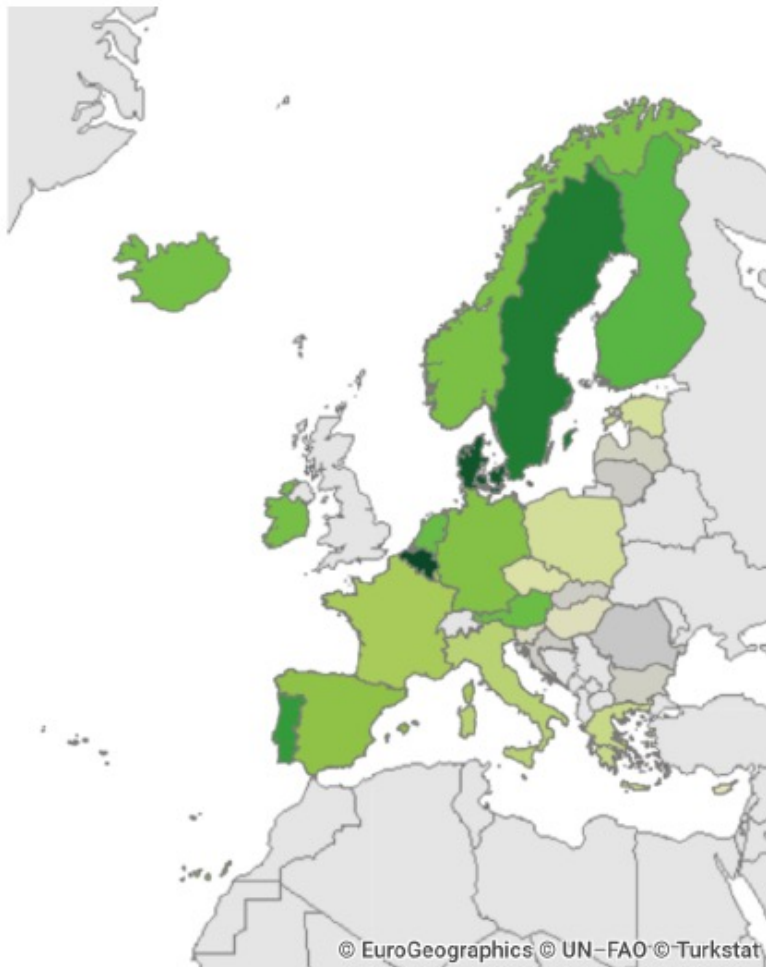
Adults 60+

Total Population

EU

EU/EEA

Cumulative uptake (%) of the second booster in the total population in EU/EEA countries as of 2022-11-17



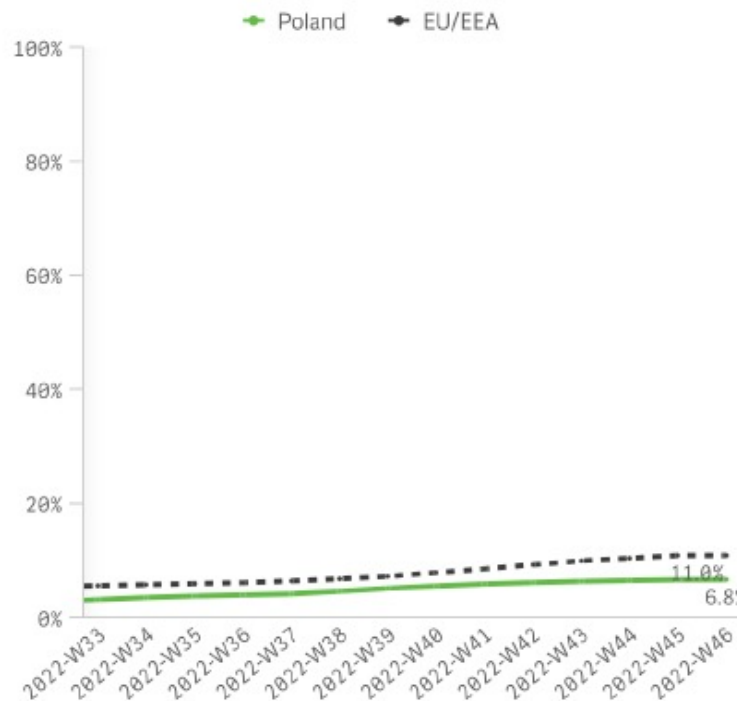
Uptake of the second booster...  
Not Reported 32.3%

Cumulative vaccine uptake (%) in the total population in EU/EEA countries

| One dose | Primary course | First booster | Second booster |
|----------|----------------|---------------|----------------|
| 75.3%    | 73.1%          | 54.5%         | 11.0%          |

Cumulative uptake (%) of the second booster in the total population in Poland as of 2022-11-17

by reporting week (data for current week are preliminary)



Number of people vaccinated in the total population in EU/EEA countries

| One dose    | Primary course | First booster |
|-------------|----------------|---------------|
| 341,123,444 | 331,063,373    | 246,780,299   |

Cumulative number of vaccine doses administered to the total population in Poland as of 2022-11-17

by reporting week (data for current week are preliminary)



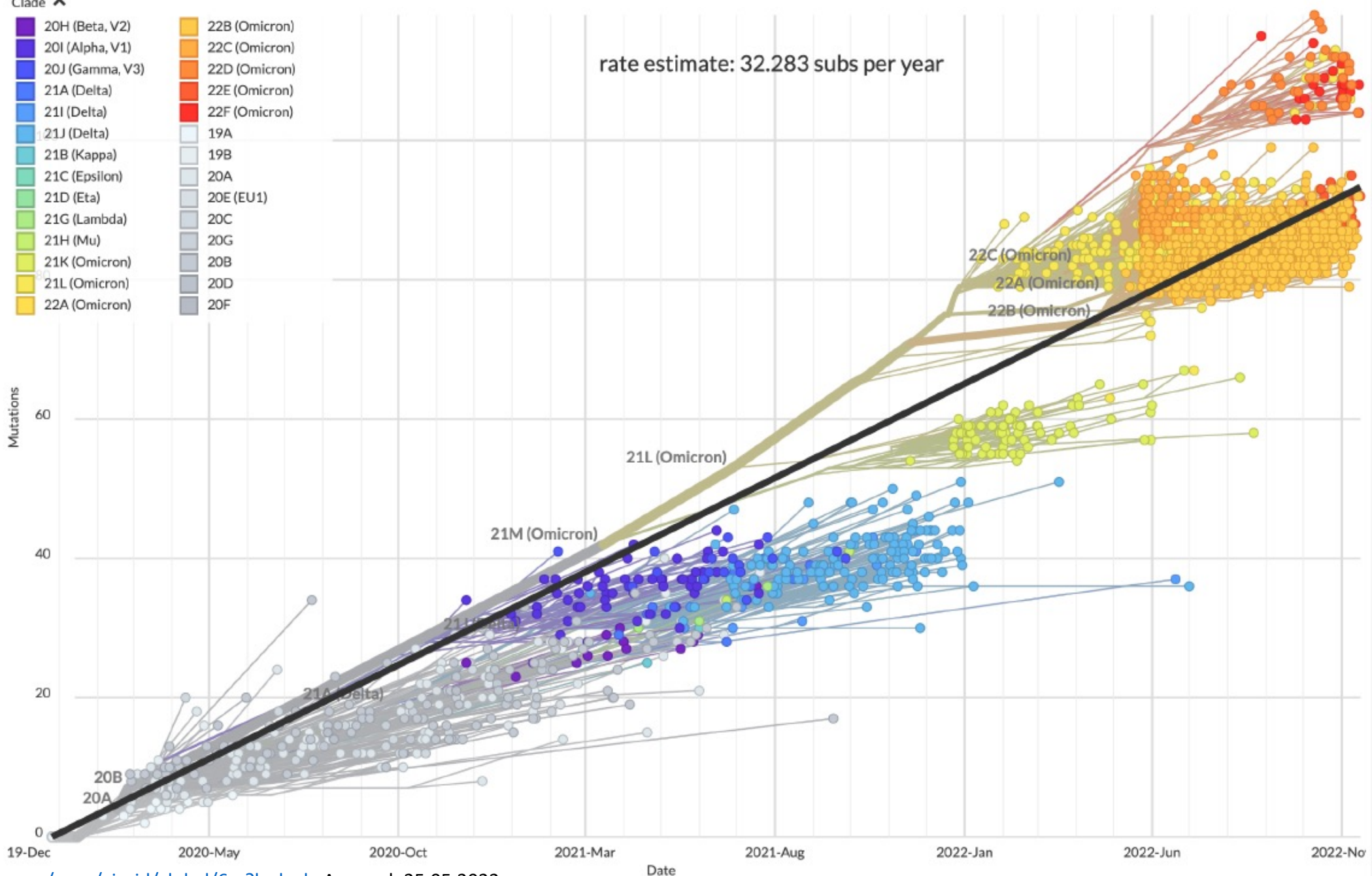
Weekly doses Cumulative doses

# Phylogeny

Clade ^

- 20H (Beta, V2)
- 20I (Alpha, V1)
- 20J (Gamma, V3)
- 21A (Delta)
- 21I (Delta)
- 21J (Delta)
- 21B (Kappa)
- 21C (Epsilon)
- 21D (Eta)
- 21G (Lambda)
- 21H (Mu)
- 21K (Omicron)
- 21L (Omicron)
- 22A (Omicron)
- 22B (Omicron)
- 22C (Omicron)
- 22D (Omicron)
- 22E (Omicron)
- 22F (Omicron)
- 19A
- 19B
- 20A
- 20E (EU1)
- 20C
- 20G
- 20B
- 20D
- 20F

rate estimate: 32.283 subs per year



# Weekly variant distribution by country



Prof. Marian Noga

