

# **Epidemiological and clinical situation with COVID-19 in Poland and in Europe**

**Jacek Wysocki MD, PhD.**

professor of pediatrics and infectious diseases

Head of the Department of Preventive Medicine

Poznan University of Medical Sciences

Regional Centre for Maternal and Child Healthcare in Poznań

Head of the Department of Infectious Diseases

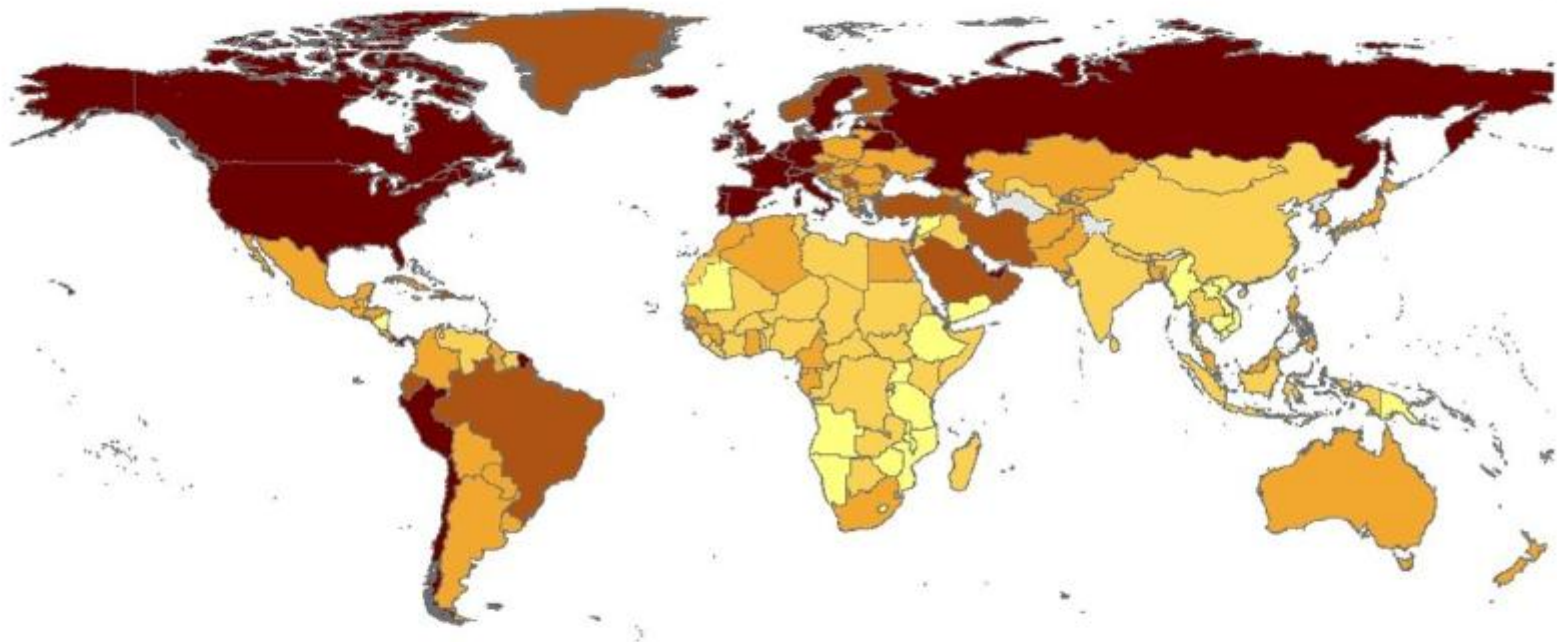
# COVID-19 in the World

- Cases have been reported since 31 December 2019 and as of 21 May 2020, 4 960 975 cases of COVID-19 (in accordance with the applied case definitions and testing strategies in the affected countries) have been reported, including 327 904 deaths
  - Africa: 95 104 cases; the five countries reporting most cases are South Africa (18 003), Egypt (14 229), Algeria (7 542), Morocco (7 133) and Nigeria (6 677)
  - Asia: 855 808 cases; the five countries reporting most cases are Turkey (152 587), Iran (126 949), India (112 359), China (84 067) and Saudi Arabia (62 545)
  - America: 2 245 224 cases; the five countries reporting most cases are United States (1 551 853), Brazil (291 579), Peru (104 020), Canada (80 091) and Mexico (56 594).


# COVID-19 in the World

- Europe: 1 755 620 cases; the five countries reporting most cases are Russia (308 705), United Kingdom (248 293), Spain (232 555), Italy (227 364) and Germany (176 752).
- Oceania: 8 523 cases; the five countries reporting most cases are Australia (7 079), New Zealand (1 153), Guam (165), French Polynesia (60) and Northern Mariana Islands (22).

# Geographic distribution of cumulative number of reported COVID-19 cases per 100 000 population, worldwide, as of 17 May 2020



**Cumulative number of reported COVID-19 cases per 100 000**

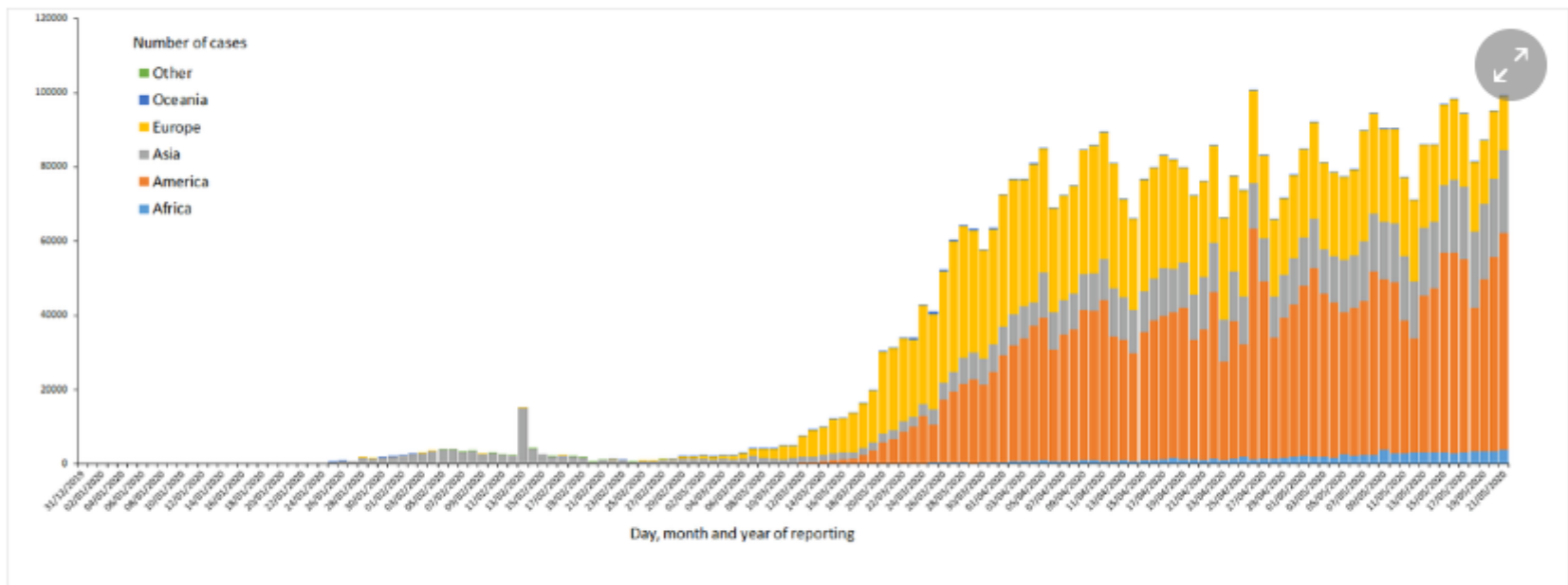
-  < 1.0
-  1.0 - 9.9
-  10.0 - 99.9
-  100.0 - 199.9
-   $\geq 200.0$
-  Countries and territories without cases reported



Date of production: 17/05/2020

The boundaries and names shown on this map do not imply official endorsement or acceptance by the European Union.

## Distribution of COVID-19 cases worldwide, as of 21 May 2020



**i** Distribution of cases of COVID-19 by continent (according to the applied case definition and testing strategies in the affected countries)

*Cases reported in accordance with the applied case definition and testing strategies in the affected countries.*

# Diagnostical problems

- main basis the real-time polymerase chain reaction (RT-PCR) on upper or lower respiratory secretions
- rare cases with positive PCRs in blood have been reported
- serology is not useful in the acute Phase of the infection
- cross reactivities between antibodies against SARS-CoV and common CoVs have been observed

# Geographic distribution of COVID-19 in the EU/EEA and the UK, as of 17 May 2020



**Number of cases**

- 1 - 9
- 10 - 999
- 1 000 - 9 999
- 10 000 - 49 999
- ≥ 50 000

■ Countries reporting cases

Date of production: 17/05/2020

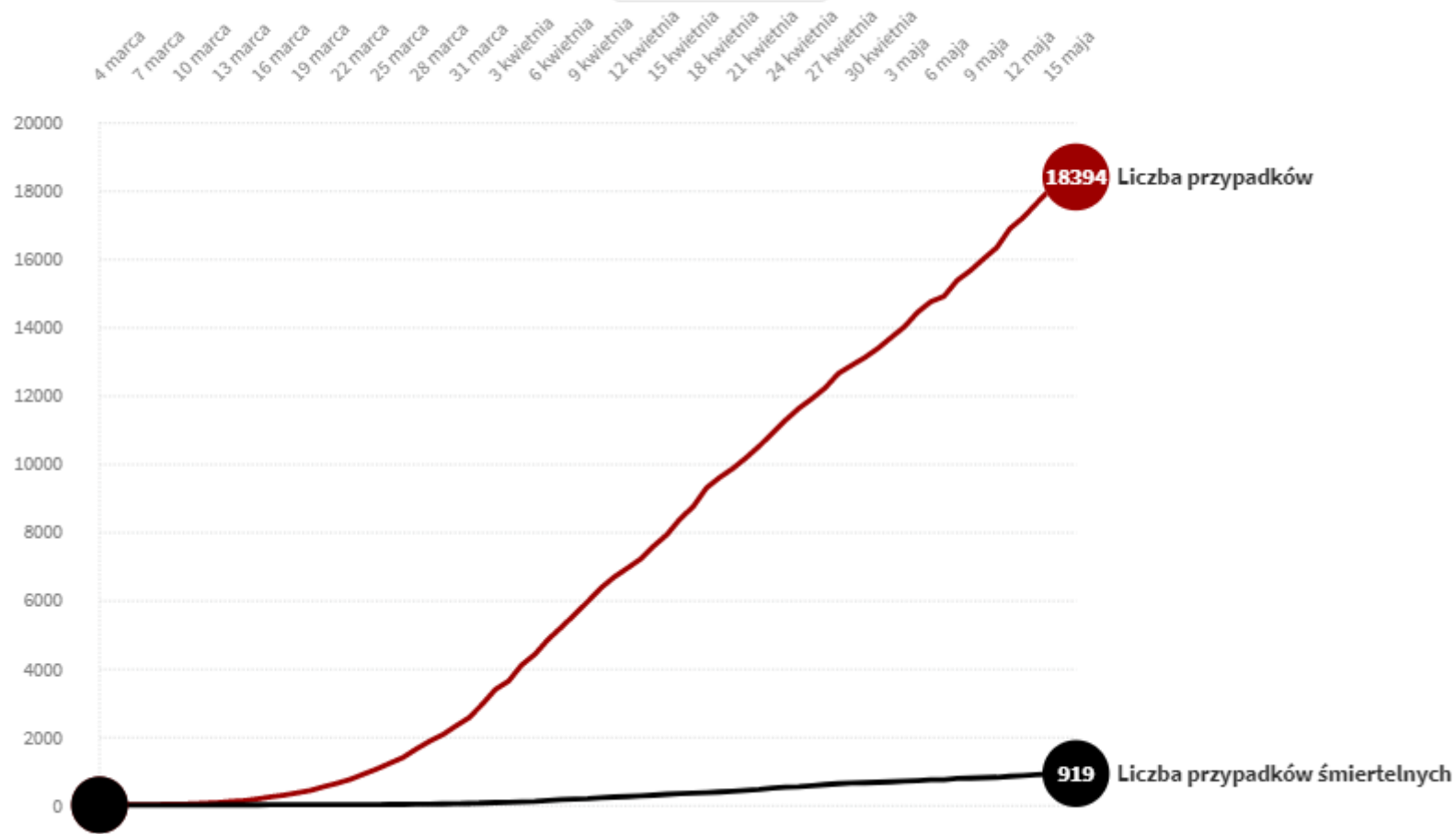
The boundaries and names shown on this map do not imply official endorsement or acceptance by the European Union.

# COVID-19 history in Poland

- patient No 1 on March 4<sup>th</sup> - a man returning to Poland from Germany
- next cases – Polish families returning to Poland after school holidays, mostly from ski resorts in Italy
- a rapid reaction of the Polish Government
  - lock-down on March 12th
  - closing schools, Universities,
  - distance working in most companies
  - closing borders and airports



# Number of confirmed COVID-19 cases in Poland



źródło danych: Ministerstwo Zdrowia



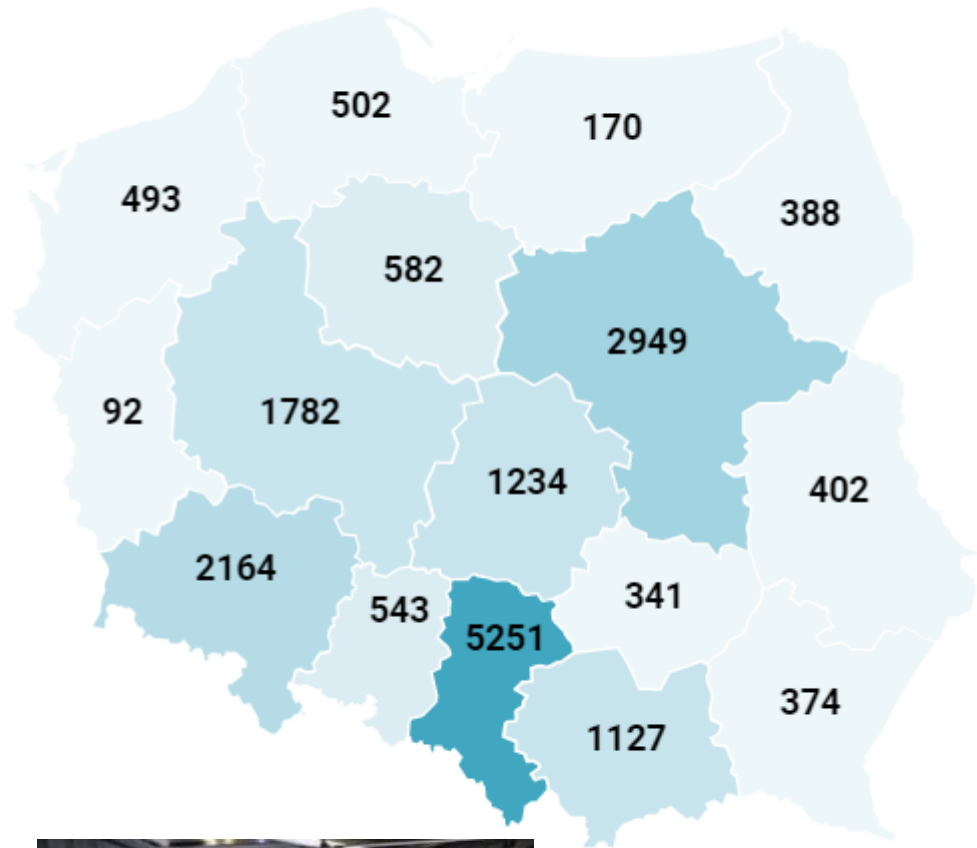
# Number of confirmed COVID-19 cases in Poland on May 17

Wszystkie zakażenia: **18394**

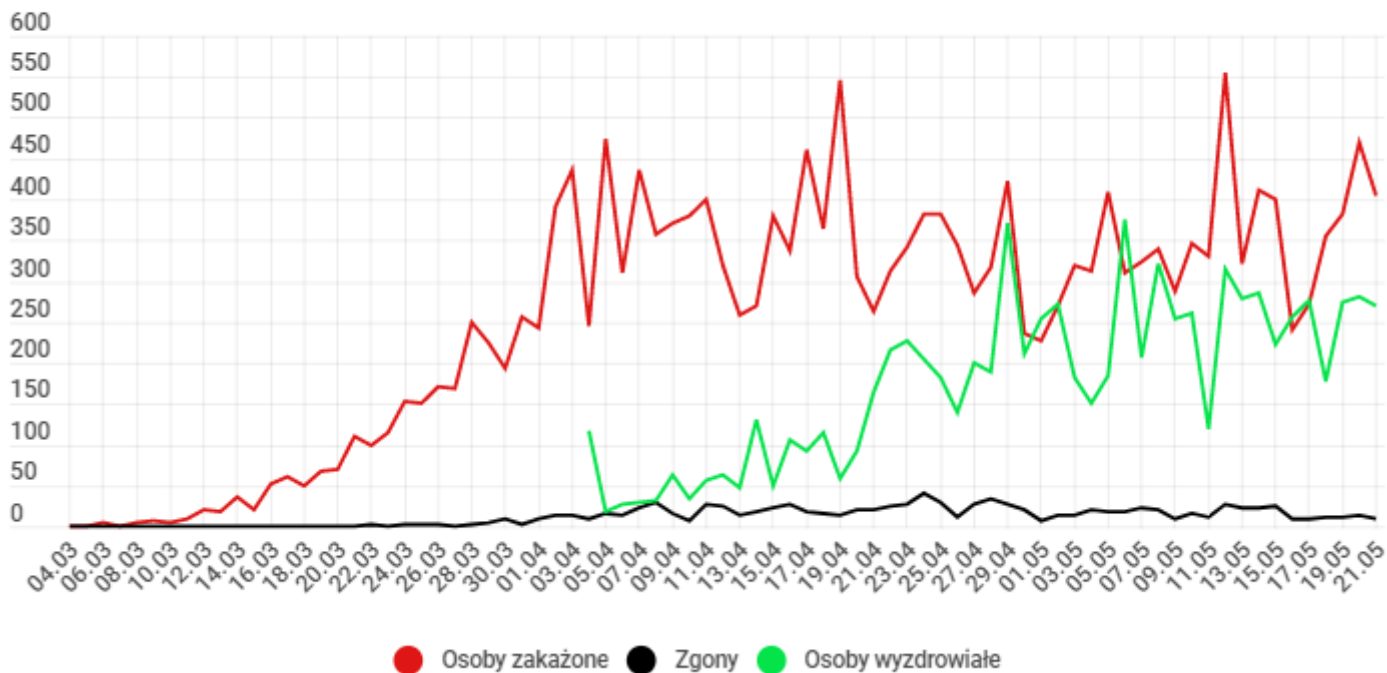
Dzisiejsze zakażenia: **137**

Wszystkie śmiertelne: **919**

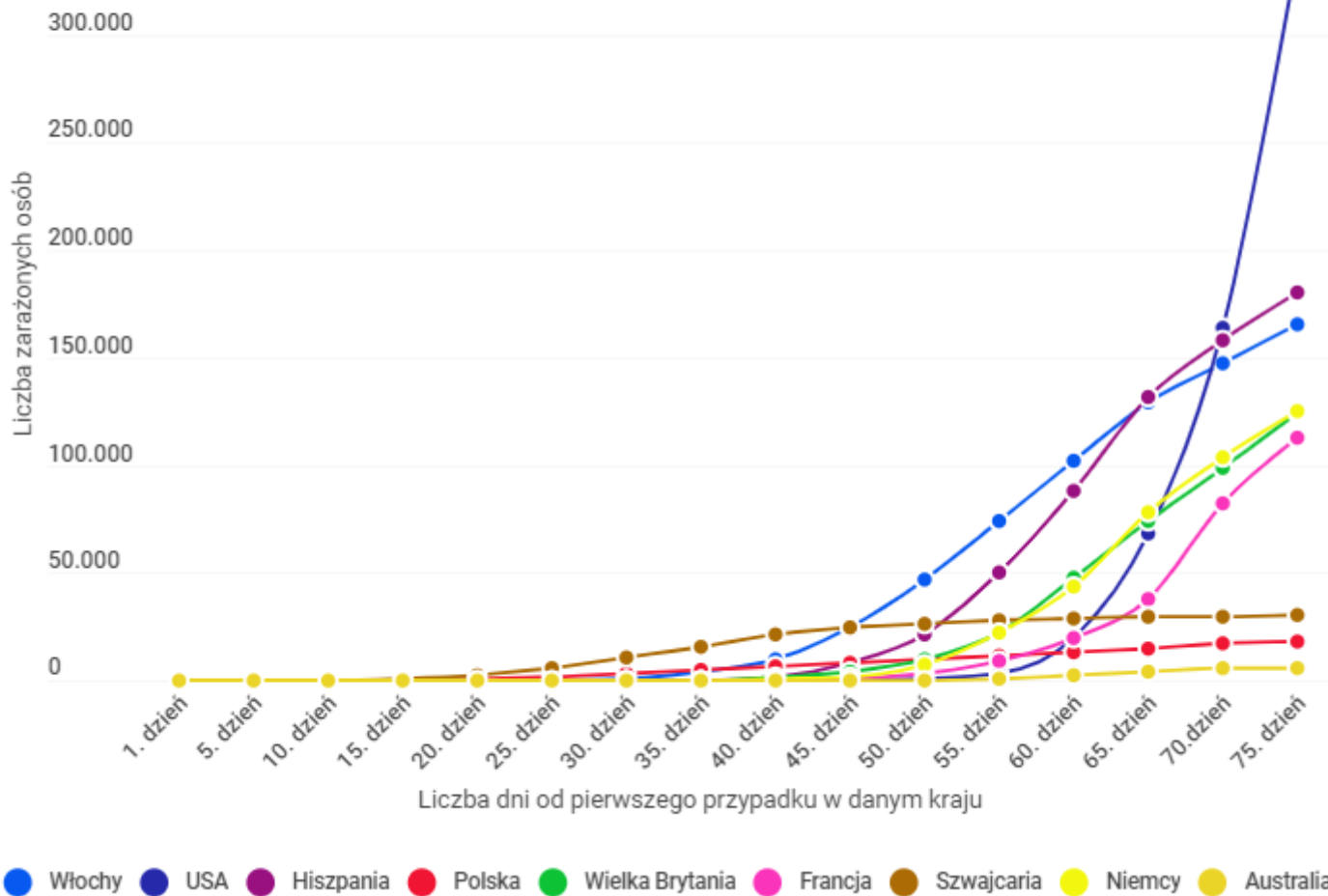
Dzisiejsze śmiertelne: **4**



## New cases of COVID-19 in Poland

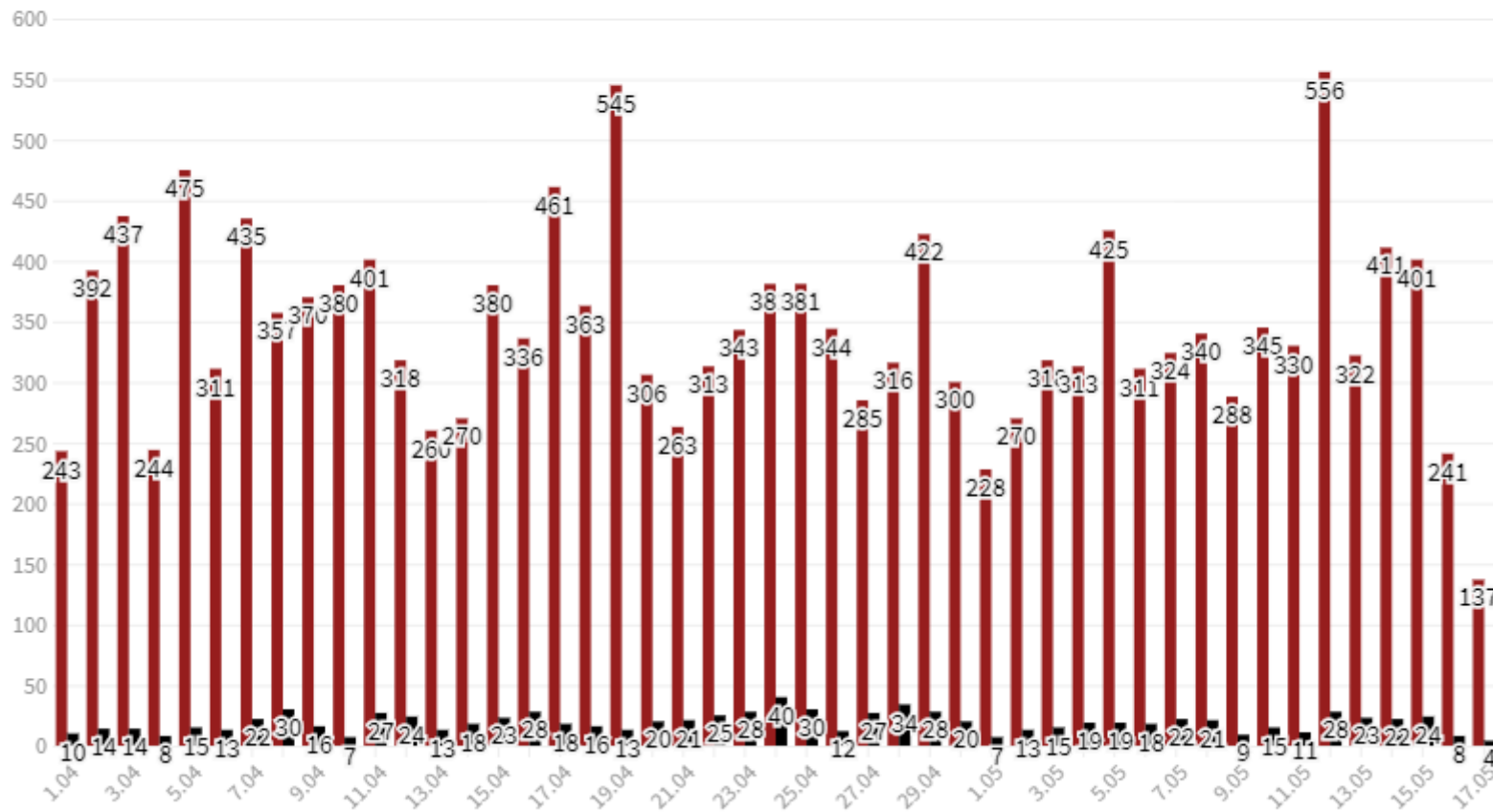


# The rate of development of the epidemic in the selected countries



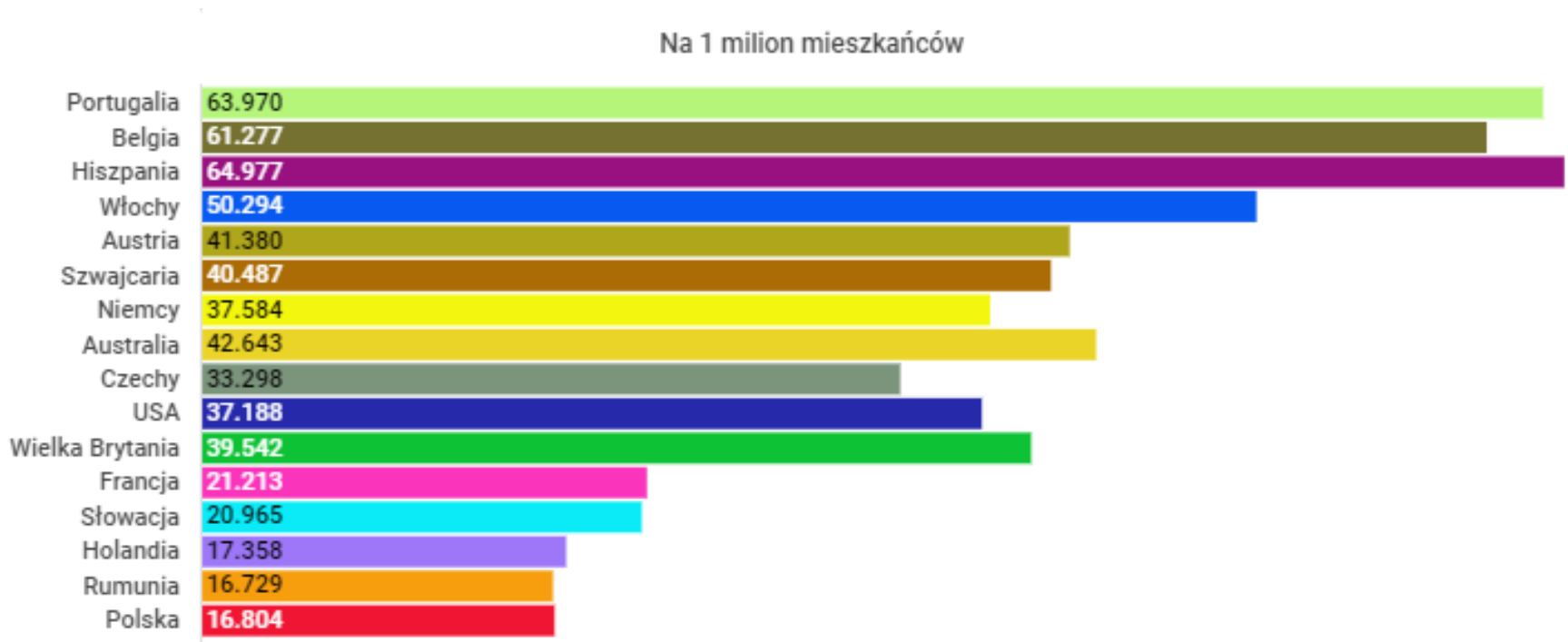
# Number of new COVID-19 cases in Poland starting April 1<sup>st</sup>

■ Liczba nowych potwierdzonych przypadków zakażenia ■ Liczba nowych przypadków śmiertelnych



Źródło: Ministerstwo Zdrowia

# Number of SARS-CoV-2 tests (PCR) per 1 milion inhabitants



**Thank you for the attention!**