

WOCOVA  16-18 OCTOBER MEGARON  
7th World Congress on Vascular Access **2022** ATHENS  
GREECE

**Global Impressions on National Vascular Access  
and Pandemic Impact  
PORTUGAL**



**Rita Barroca**  
17 October 2022



# Disclosures

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# Demographics PORTUGAL

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# Health Care Statistics: Portugal



92 212 km<sup>2</sup>

Habitants: 10.352.042

Number of Hospitals: 241 (NHS 113)

*In Pordata*



**Political Map of Portugal**

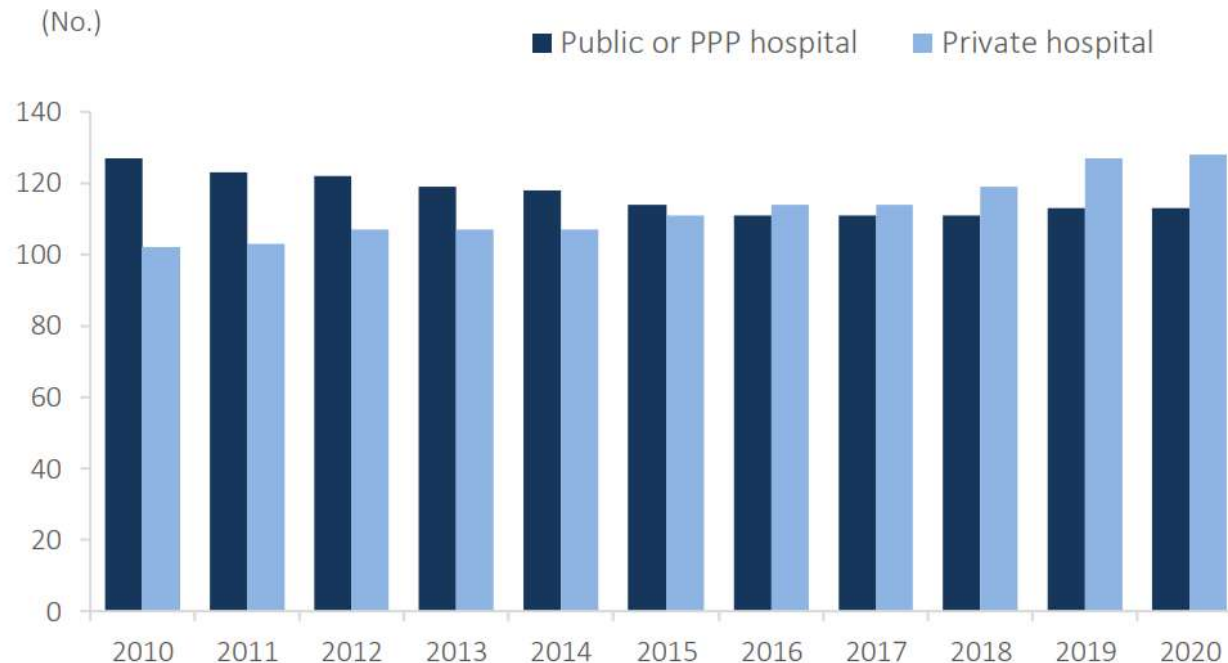
# Health System: Portugal



Every citizen has access to all care available at the **public health system**.

**Private health system** is growing.

Figure 7. Hospitals by institutional nature, Portugal, 2010-2020



In Statistics Portugal

# Health Care Statistics: Portugal



92 212 km<sup>2</sup>

Habitants: 10.352.042

**Nr of Hospitals: 241** (NHS 113)

**Nr of hospital beds: 36 322** NHS: 24 335 (67%)

Nr of IC beds: 579 (oct.2022)

**Nurses: 77 948** (7.6/1000 inhabitants)  
working in hospitals: 48255 (62%)

**Doctors: 57 198** (5.6/1000 inhabitants)  
working in hospitals: 26 249 (46%)

*In Pordata  
CEMI Censos 2020*

# Vascular Access Statistics: Portugal

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## Estimation:

- 100 PIVC per bed/year
- 10 CVC per bed/year

With 36322 beds in Portugal this means:

Almost 4 million PIVC and 0,4 million CVC per year

# Vascular Access: Portugal



**APoAVa - National Vascular Access Society**  
Created – april.2016



[www.apoava.pt](http://www.apoava.pt)

- Promote education, training: courses
- Communication activities: Meetings, Congresses
- Publication
- Consult and research



**4th WoCoVA (2016) – Lisbon, Portugal**

PROGRAMA	
9h00	Apresentação do curso
9h15	Algoritmo de Decisão
	Cateter Central de Inserção Periférica (PICC)
	Cateter Midline
	Anatomia do membro superior
10h55	COFFEE-BREAK
11h00	Introdução à Ecografia
11h50	Workshop   Site Bite B
13h05	ALMOÇO
14h20	Wo
15h15	Wer
16h00	Wo
17h45	

**INSERÇÃO E MANUTENÇÃO DE PICC E MIDLINES**





# Vascular Access: Portugal



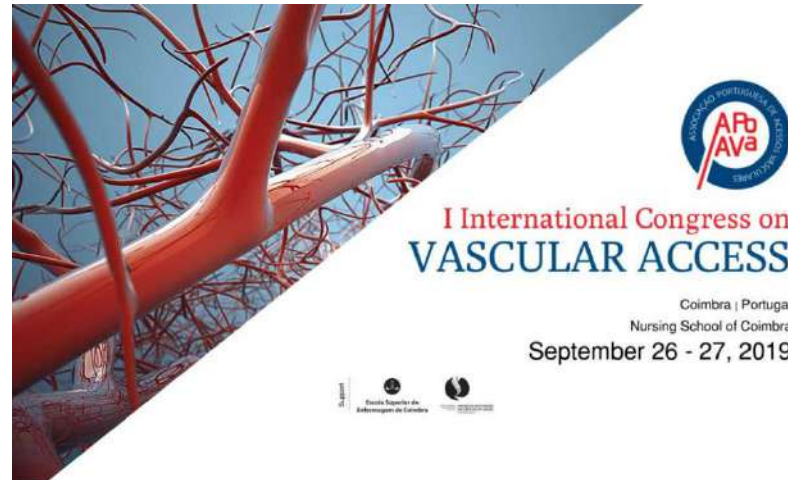
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CIAV 2019



CIAV 2022

# Vascular Access: Portugal



1st Multidisciplinary Team (Oncology Institute in Lisbon)

VA specialists – but no one is dedicated only to this area.

**CVC:** mainly CICC (few FICC), few PICC

CVC Insertion: mainly by Doctors

- Ports – Surgeons (and few radiologists)
- PICC – Surgeons (Internal Medicine and Nurses)
- PICCport: 3 hospitals

-- PICCs are increasing

Echography in CICC: is increasing but used in less than 50%

CVC Maintenance: Nurses

**PIVC** are mainly inserted by Nurses



Source: National query

# Statistics Covid pandemic: Portugal



**COVID-19 Portugal**  
cumulative cases;  
2020 – Sep 2022:

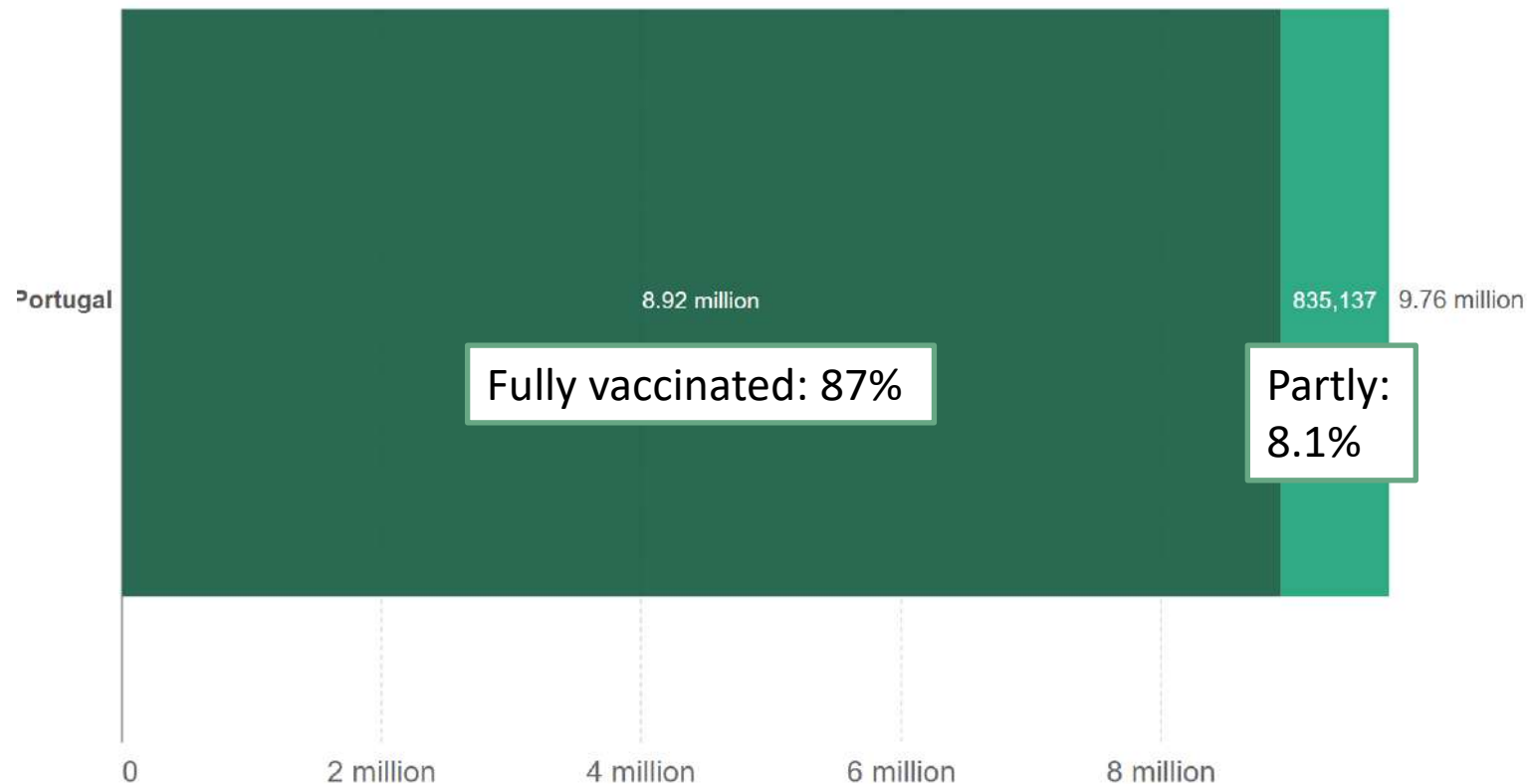
- **5,5 million** cases  
- **25 087** related deaths

**Vaccination in Portugal: 95% of population**

Number of people vaccinated against COVID-19, Sep 30, 2022

Our World  
in Data

■ People with a complete initial protocol ■ People only partly vaccinated



Source: [ourworldindata.org](https://ourworldindata.org)

# Impact of COVID-19 pandemic on health care



- Work stress and burn out
- Shortage of health professionals
- Primary focus on medical care was for COVID patients  
→ 'Standard' care was stopped or postponed with serious consequences

In 2020: decline in health care acts provided, emergency care attendances, hospitalizations, surgeries, medical appointments and diagnostic and/or therapeutic complementary acts In Statistics Portugal

- ICU beds were upgraded in 2020. 669 (2020) → >1000 (end 2020) → 579 (2022)  
- End of september, 26 COVID patients in ICU In CEMI-censos
- High impact on the community, tolerance and economics

# Conclusions



- COVID-19 patients delayed regular care with serious health consequences, still not 'back to normal'
- Shortage of health professionals → shortage of trained VA specialists
- VA procedures: time consuming (personnel protections).
  
- Vascular Access in Portugal is a growing area, rising interest: echography use, PICC, formation (meetings, courses, etc).
  
- New ways of working, provide information and quality formation.

Thank you for your attention!

Rita Barroca - Portugal

[ritagbarroca@gmail.com](mailto:ritagbarroca@gmail.com)

