



# Global impressions on national vascular access- Poland

**Magdalena Szewczuk**

17 October 2022



# Disclosure

---

I declare that I have no competing financial interests or personal relationship that could have appeared to influence this presentation

# Demographics Poland

---



# Health Care statistics: Poland

---



Number of Hospitals: 1305

Number of hospital beds: 213 K

Number of ICU beds: 2300

Professionals working in health care: 325,7 K

Professionals working in hospital: 120K

**312696 km<sup>2</sup>**

# VA Statistics: Poland



312696 km<sup>2</sup>

## Estimation:

Per 1000 beds in hospital:

With about 80% PIVC and 20% CVC

+/- 5200 CVC per year

+/- >12000 PIVC per year

## Estimation for the whole country:

+/- 800 PICC per year

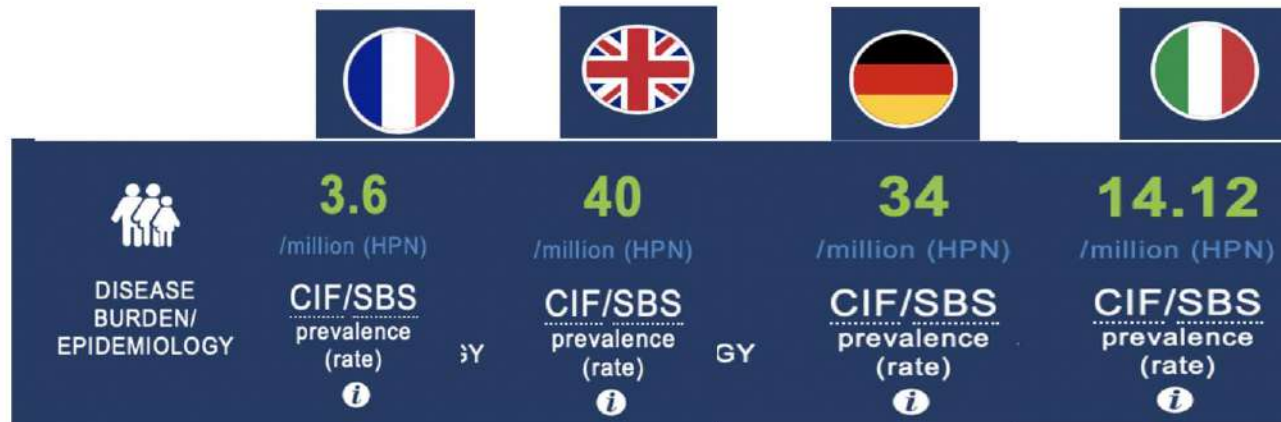
+/- 2400 Broviac per year

+/- 20000 Ports per year

# HPN in Poland:



**CIF/SBS  
Prevalence 41.6**



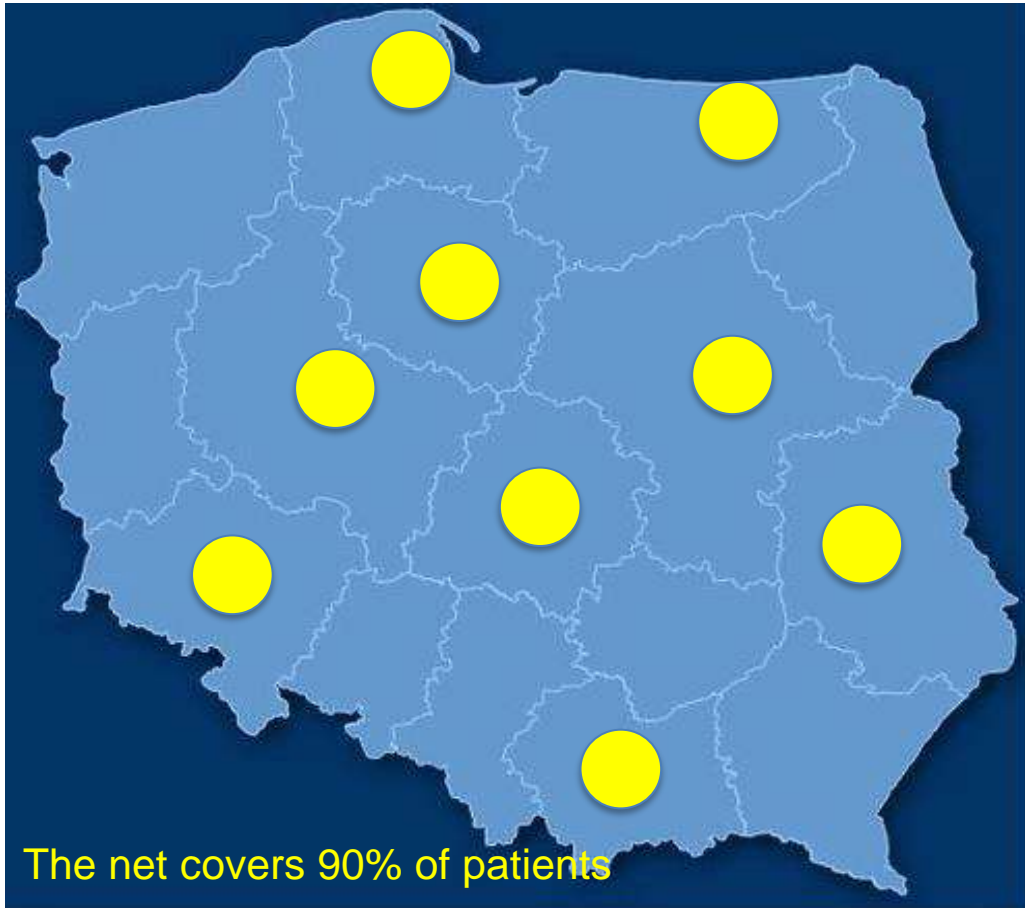
[1].



[1] <https://www.atlasif.eu/standard-of-care/if-treatment-and-care-across-europe/>



# Polish net of Intestinal Failure Centres



Polish Net of Centres treating Intestinal Failure  
1250 patients are treated in the net



# VADs in Poland

---

## **Indications:**

- Chemotherapy
- HPN
- Hospitalized patients requiring long-term fluid therapy, antibiotics (ICU)
- hemodialysis



# VADs in Poland

---

## Types of inserted catheters:

- **non tunneled**
  - CICC:CVC
  - peripheral intravenous cannula
  - midline?
- **tunneled:**
  - CICC: Broviac, Hickamnn
  - PICC line (Groshong)
  - port
  - PICC port?

# Health insurance: Poland

---

Poland has National Health Fund ( NFZ ) responsible for health insurance

- Health insurance covers healthcare service, including: doctors' appointments, treatments and hospital stay, reimbursement for prescription medications and performed procedures
- Children under 18 have the right to healthcare, even if they are not insured

# Statistics Covid pandemic: Poland

## Number of COVID-19 cases in Poland:

A total of 6 314 705 COVID cases (2020 – 8 oct 2022)

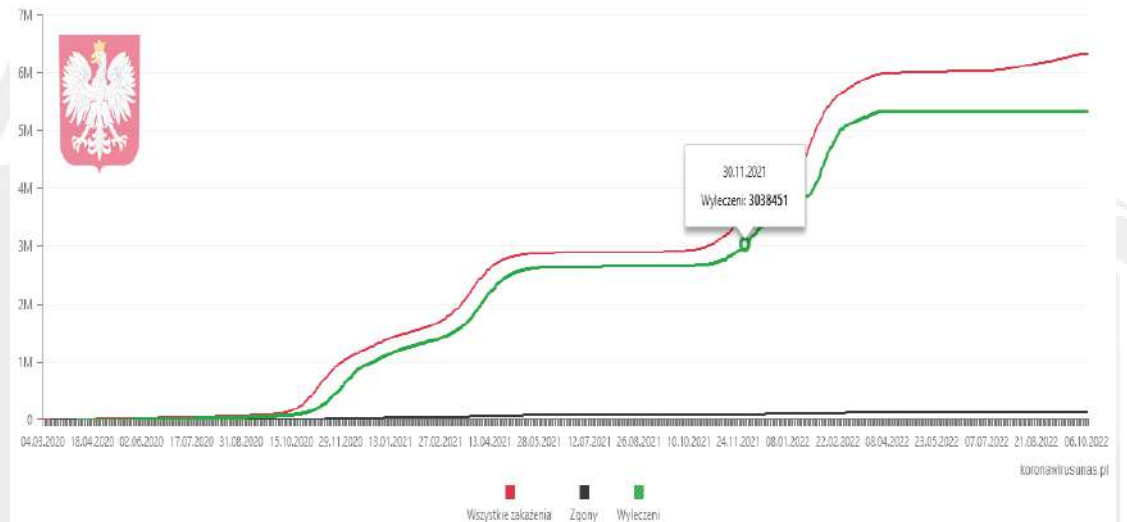
A total of COVID-19 related deaths 117 756 (2020- 8 oct 2022)

## Vaccinations Poland:

Vaccinations given: 57 002 766

Fully vaccinated: 22 564 559

% of population: 59,42 %  
( fully 51,46% )



# Impact of COVID-19 pandemic on health care

---

- Longer waiting time for hospitalization ( for reason other than covid )
- Delay in diagnostics, including oncology
- Patients avoided hospitalization because they were afraid of SARS Cov2 infections
- Work stress
- shortage of medical personnel
- Primary focus on medical care and treatment of COVID patient

# VA Implementation experiences

---

- The pandemic caused numerous limitations at work and contact with the patient
- There were recommendations to introduce catheters as far as possible from patient's head, which was to minimize the risk of COVID infections
- We placed venous access at the patient's bedside

# Conclusions

---

- COVID-19 pandemic has had a huge impact on the functioning of the health care system
- We need the staff to be continuously trained in placing of the vascular access
- We need access to medical equipment of various types from different companies
- Appropriate selections of the type of venous access for the patient



# Centre for Intestinal Failure

Poznan University of Medical Sciences, Poland

