

Management of sepsis in high versus low income countries:  
Is everything declared in science as available, also accessible?

Liečba sepsy v rozvojových vs. rozvinutých krajinách:  
Je všetko čo vedecky poznáme aj dostupné?

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Colours of sepsis, Ostrava 27.4.2022

# Conclusion / Záver

- **Is scientific and medicinal availability also accessible?**
- Je to, čo je vedecky a medicínsky známe, aj dostupné?

**Final answer / Záverečná odpoveď - NIE**

# If still time, so / Ak máme dost času

## **Contrasts / Kontrasty**

- Very low income countries / Veľmi chudobné krajiny
- osobná skúsenosť - Burundi, Rwanda, Lesotho, Južný Sudán

## **Disaster - armed conflicts / Katastrofy a vojny**

- osobná skúsenosť - Haiti, Karabach, Irak, Ukrajina

# Sepsychanges in etiol / Zmeny v etiológii

- 1. nízkopříjmové krajiny / low income
- E.coli, Shigella, Salmonely. Pneumokoky, Gabh S.P.falciparum
  
- 2. vysokopříjmové krajiny
- Staf. Con., Candida spp.Pseudomonas spp.Abba

# Surprises / Prekvapenia

## **1. Mortality for malarial sepsis / parasitemia**

- in US and Japan 5-10%
- South Sudan 1-5%

## **2. Mortality in neonatal sepsis:**

- Kenya 1-5%
- Bratislava 2-5%, P-NS

## **3. Mortality in abdominal sepsis**

- Uganda - Buikwe 10-20%
- Cluj, Romania 5-18% (NS)

## **4. Mortality of meningitis in Yemen aft bombing**

- Tx with CMP 5-10% vs. MEM plus VAN 4-9% (NS)

# South Sudan



# Haiti



# Ethical-Medical Contrasts: Dg and Tx sepsis

## **a. MR waitlist / Čakací čas na MR**

- St. Elizabeth Cancer Institute BA approx 2d
- but 90% Burundian pts never seen Usg

## **b. In hospital Microb Lab, LAMP-Bactec PCR**

- Gene Xpert-Plus etc.
- 12-24h sepsis pathogen available
- 95% Sudanese OPD have no CRP device

## **c. Empiric tx SEUC**

- Meropenem / Linezolid (DDD600e)
- Uganda JP11 ctr-PEN plus / or chloramphenicol



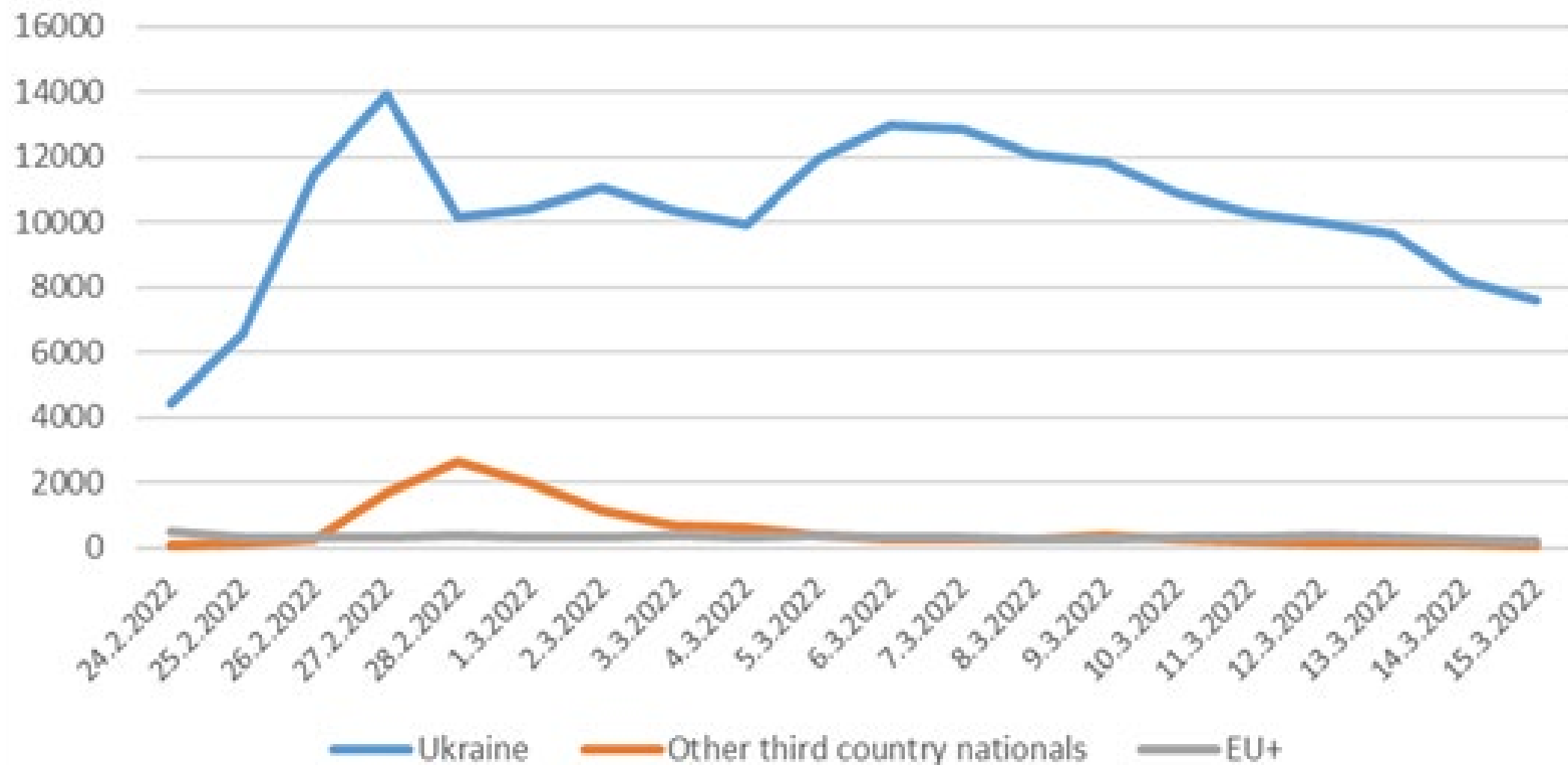
# Border crossing 2015: Hegyeshalom / Nickelsdorf



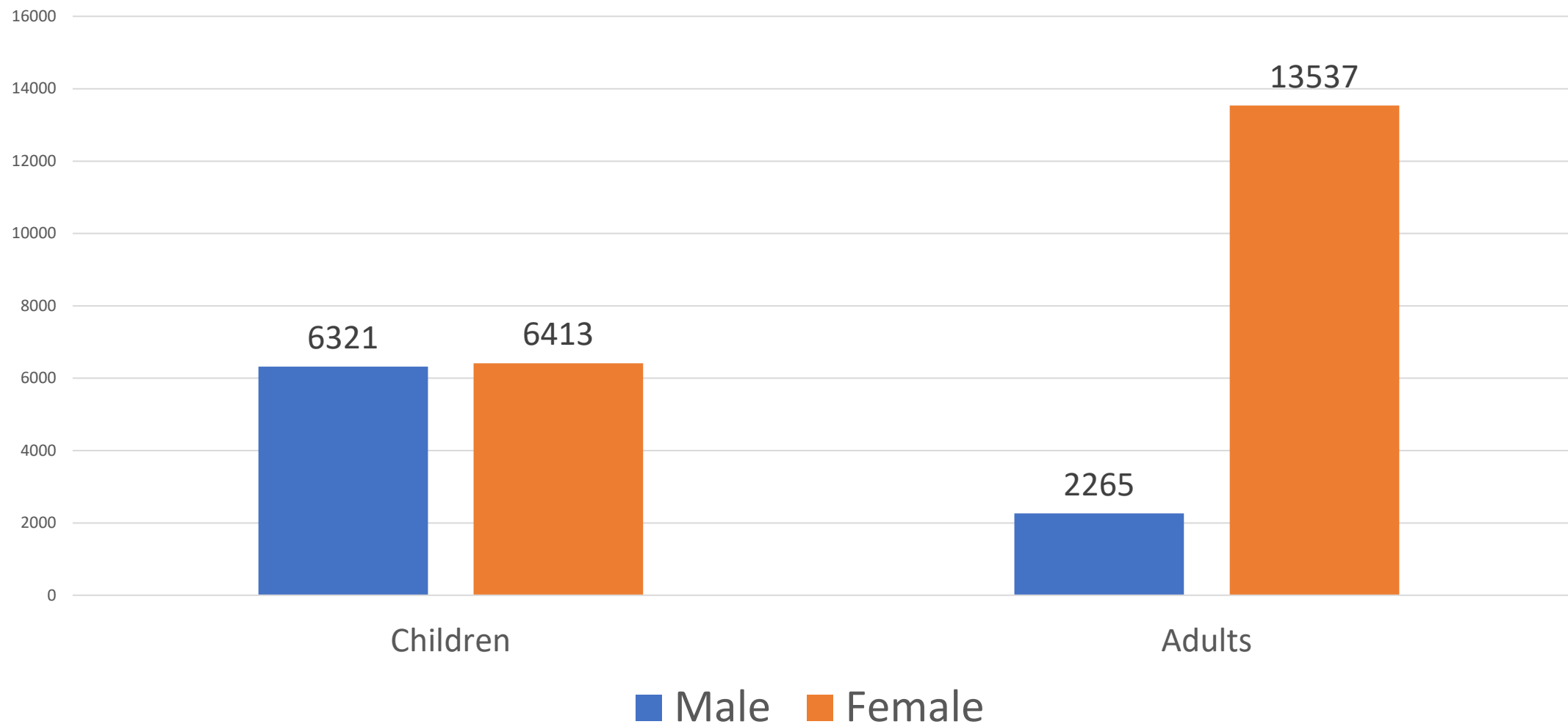
# Ukraine



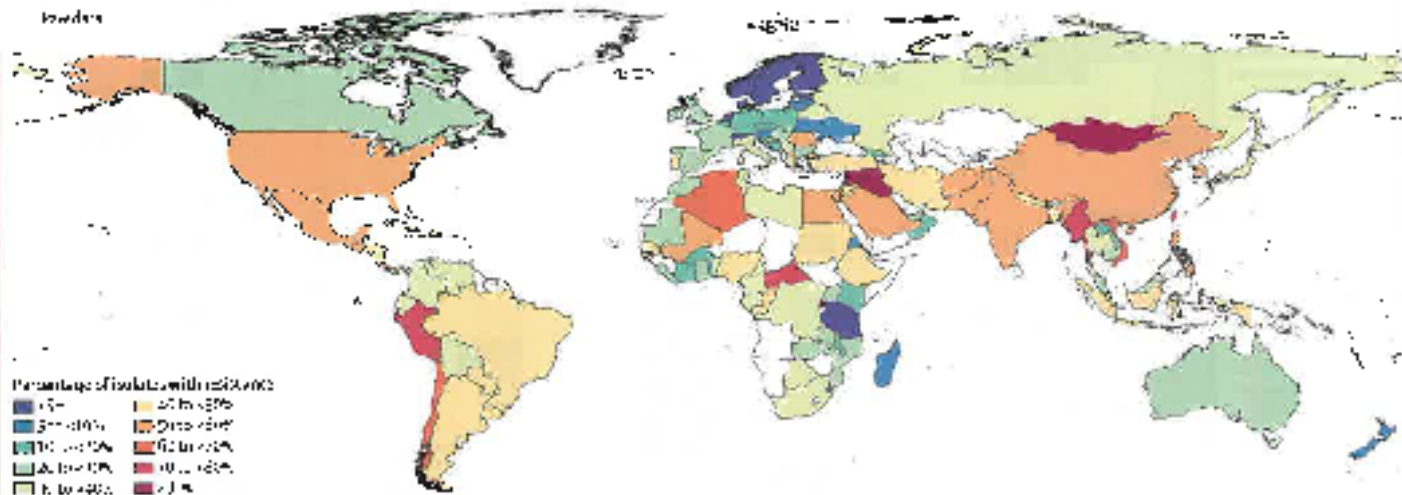
### Passenger flows on entry to the Slovak Republic on the land border BCPs with Ukraine (daily from 00:00 to 23:59)



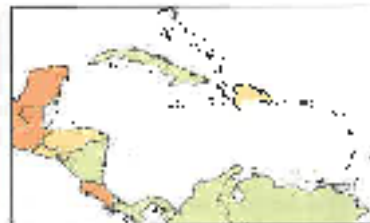
## Applications for temporary refuge by age and gender



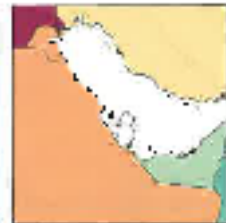
A. Risk of influenza A (H5N1) virus spread to humans



Turkey and Southeast Asia



Pacific



Russia, West Africa



Southeast Asia



South America



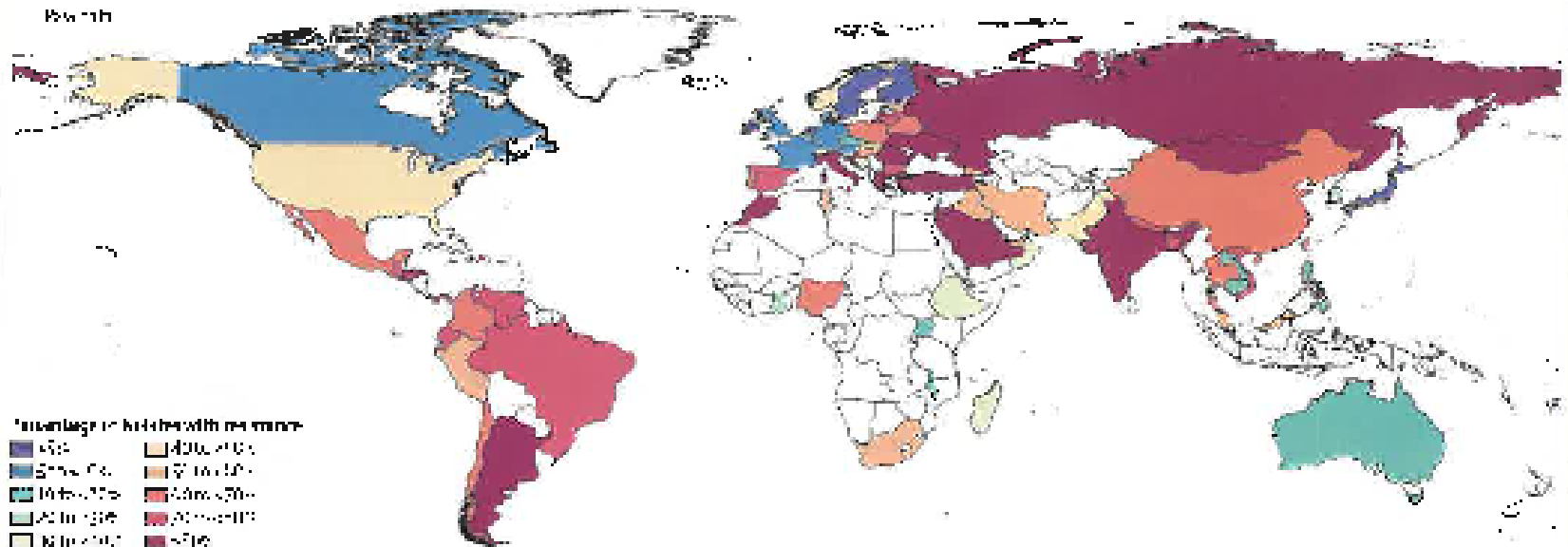
Eastern Mediterranean



Northern Europe



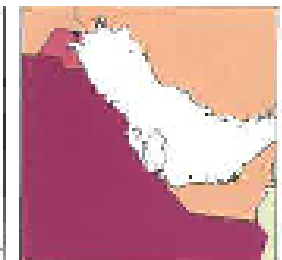
Corruption index (CPI) (score out of 100)



Eastern and Central Asia



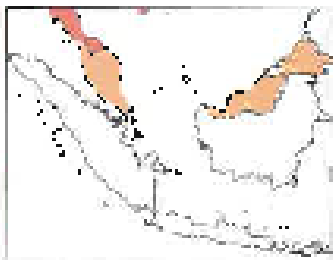
North Africa



South America



Southeast Asia



Sub-Saharan Africa



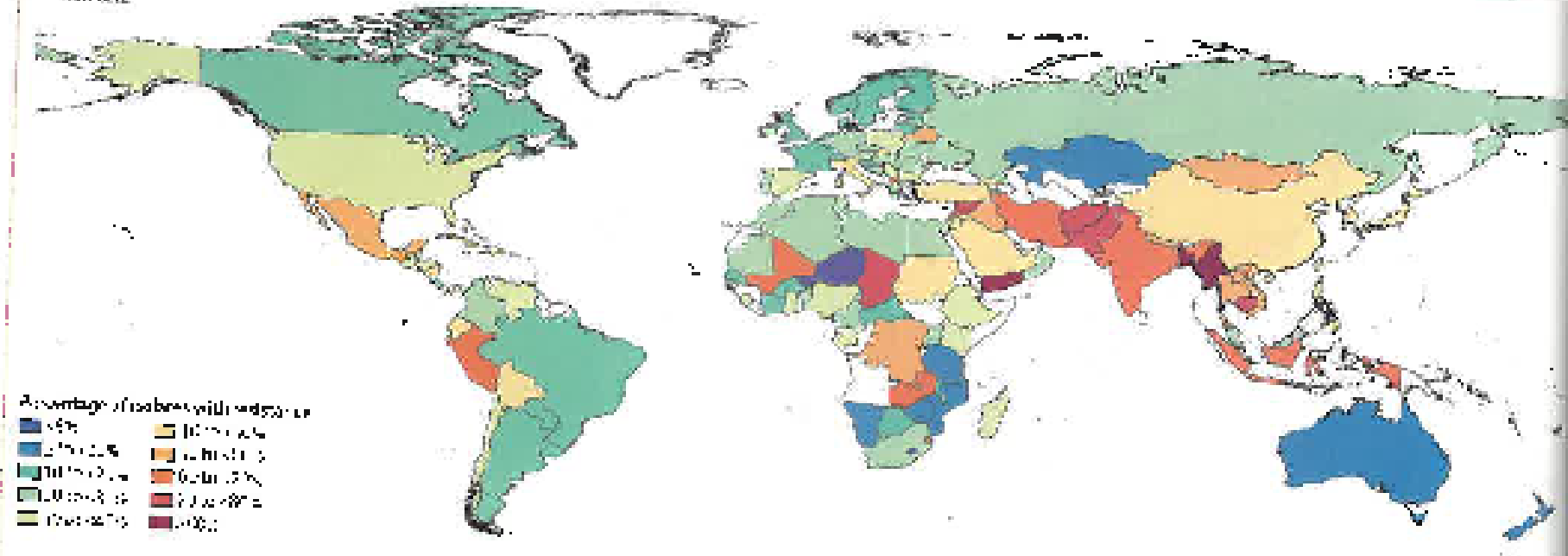
Eastern Mediterranean



South Europe



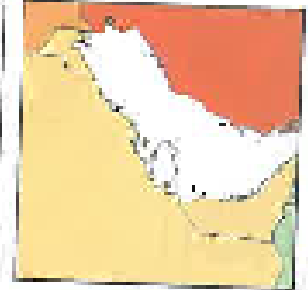
**E. Fluoroquinolone resistant Escherichia coli**  
New data



**Coliforms - enterobacter**



**Persian Gulf**



**India - primary**



**Southeast Asia**



**West Africa**



**Eastern Mediterranean**



**Central Asia**

