

# Hepatitis B and C screening and linkage to care in migrants from endemic countries in Barcelona through the implementation of the HepBClink community action

Anna Not<sup>1, 2</sup>, Hakima Ouaarab<sup>3</sup>, Esteve Muntada<sup>4</sup>, Begoña Treviño<sup>3</sup>, Maria Buti<sup>5, 6</sup>, Rosa Maria Morillas<sup>6, 7</sup>, Xavier Majó<sup>8</sup>, Jordi Casabona<sup>4, 9</sup>, Jordi Gómez i Prat<sup>3</sup>, Elisa Martró<sup>1, 2, 9</sup>

1, 7



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Programa de prevenció, control i atenció al VIH,  
les ITS i les Hepatitis Viriques – PCAVIHV  
 Generalitat de Catalunya       Salut/Agència de Salut Pública de Catalunya

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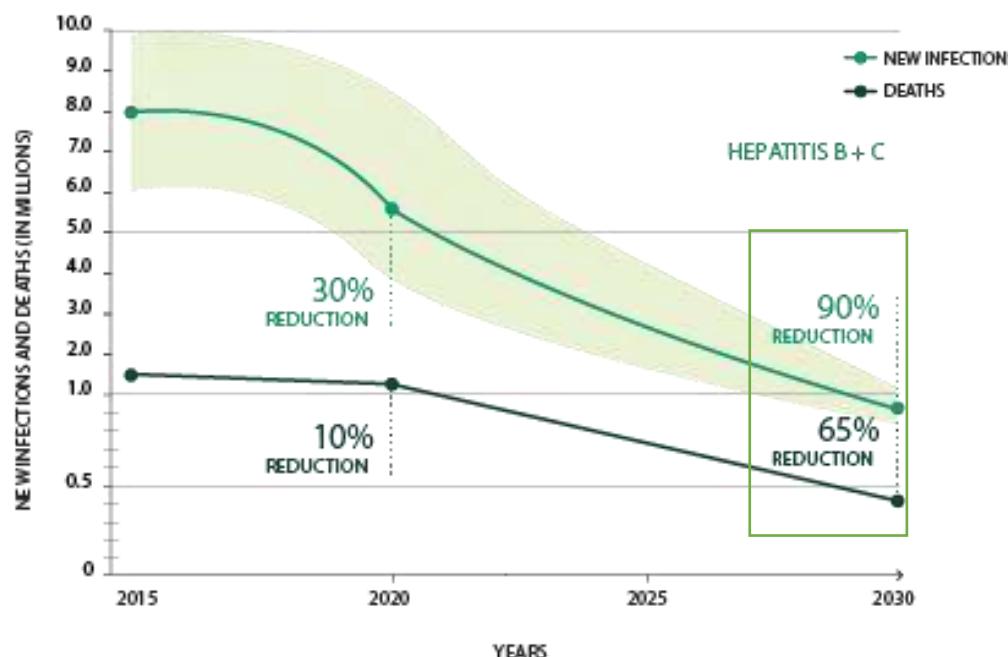


# Towards the elimination of viral hepatitis

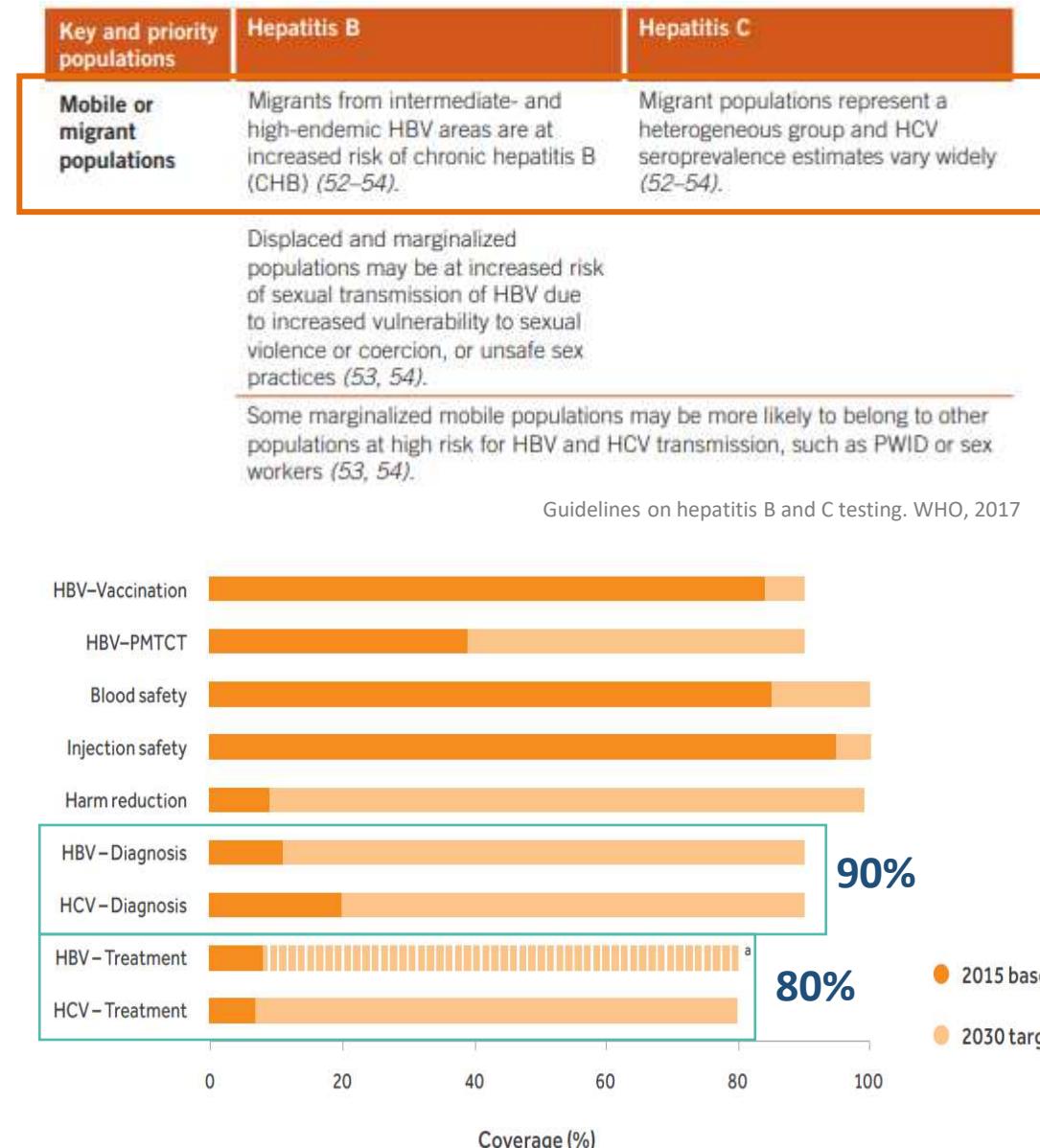
## WHO 2030 elimination targets:

### Viral hepatitis:

- **3.0 million** new HBV and HCV infections
- **1.1 million** HBV and HCV deaths with initial signs of HCV declines

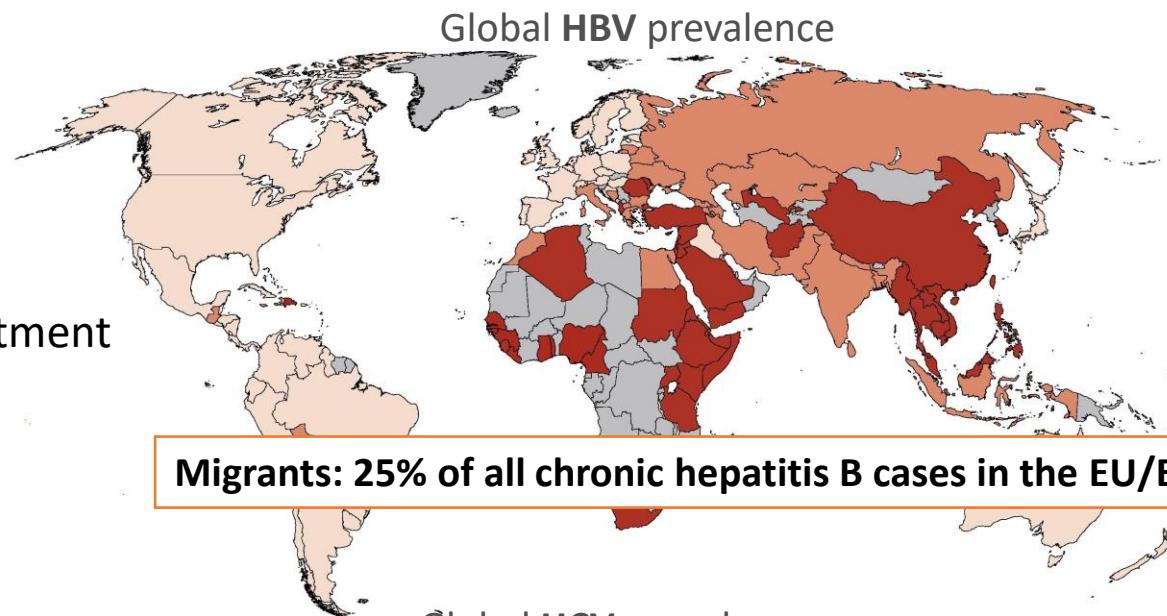


<https://www.who.int/hepatitis/strategy2016-2021/portal/vision-goal-targets/en/>

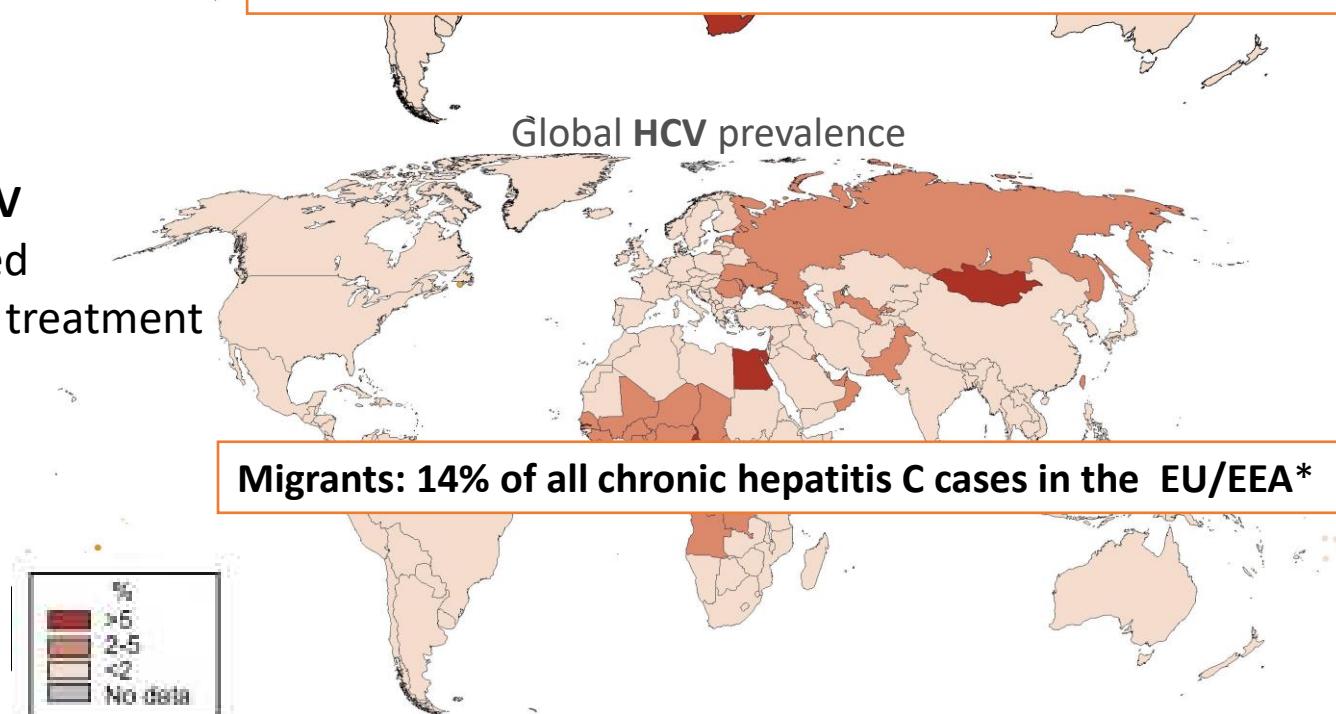


# Relevance of migrant population

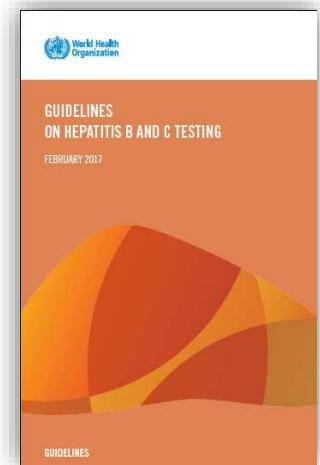
**HBV**  
10% diagnosed  
22% received treatment



**HCV**  
21% diagnosed  
62% received treatment



**Targeted screening of migrants**  
from countries of intermediate  
or high endemicity is  
recommended



# Migrant population in Catalonia

HepHIV 2023  
13-15 NOVEMBER · MADRID

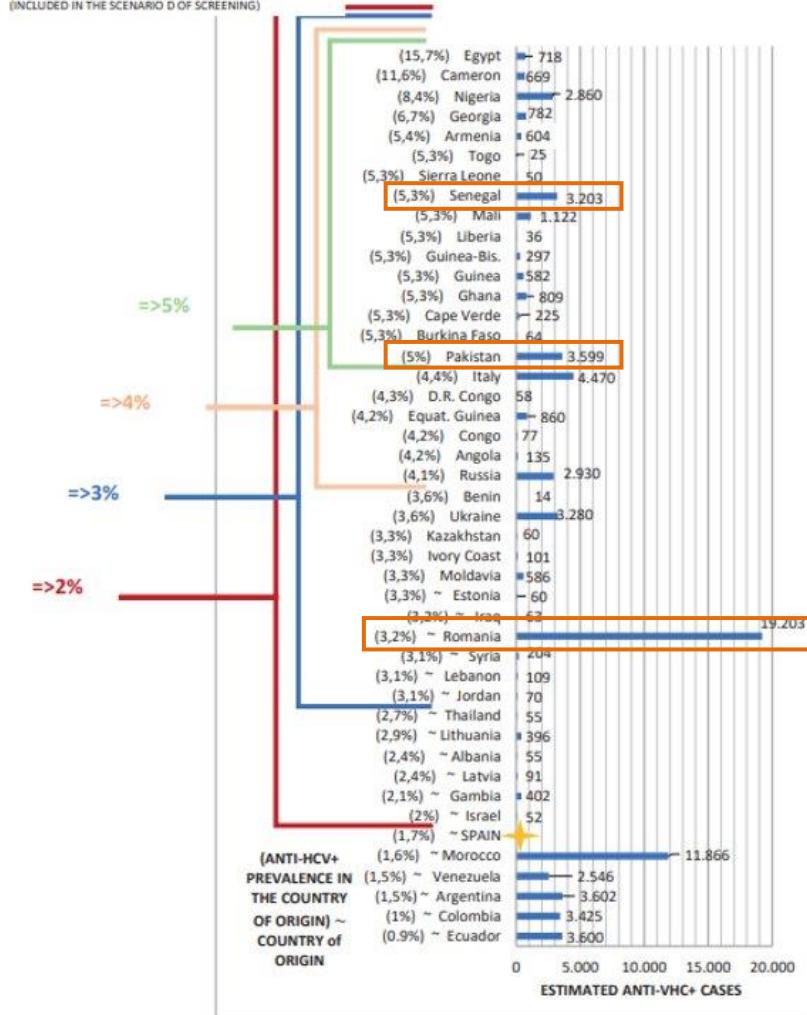
Country	Population	HBV (HBsAg)	HCV-Ab
Catalonia	8,005,784	0.5%	1%
Romania	627,478	5.5%	3.2%
Senegal	83,260	12.7%	5.3%
Pakistan	100,496	4.2%	5.0%

Host Country	Population	CHB prevalence % with 95% CI			
		%	Lower	Upper	
Country of origin of first generation migrants	Spain	46,727,890	0.66	0.34	0.97
	Romania	715,033	5.49	5.24	5.73
	China	160,460	10.23	9.35	11.11
	Dominican Republic	152,947	10.68	5.89	15.46
	Senegal	53,347	12.66	10.14	15.18
	Bulgaria	140,046	4.25	2.8	5.7
	Bolivia	174,288	3.03	0.08	5.98
	Nigeria	33,970	13.31	11.57	15.06
	Philippines	41,895	7.36	6.32	8.39
	Pakistan	63,946	4.17	3.59	4.75
	Mali	19,931	13.17	10.18	16.17

ECDC. Epidemiological assessment of hepatitis B and C among migrants in the EU/EEA. 2016

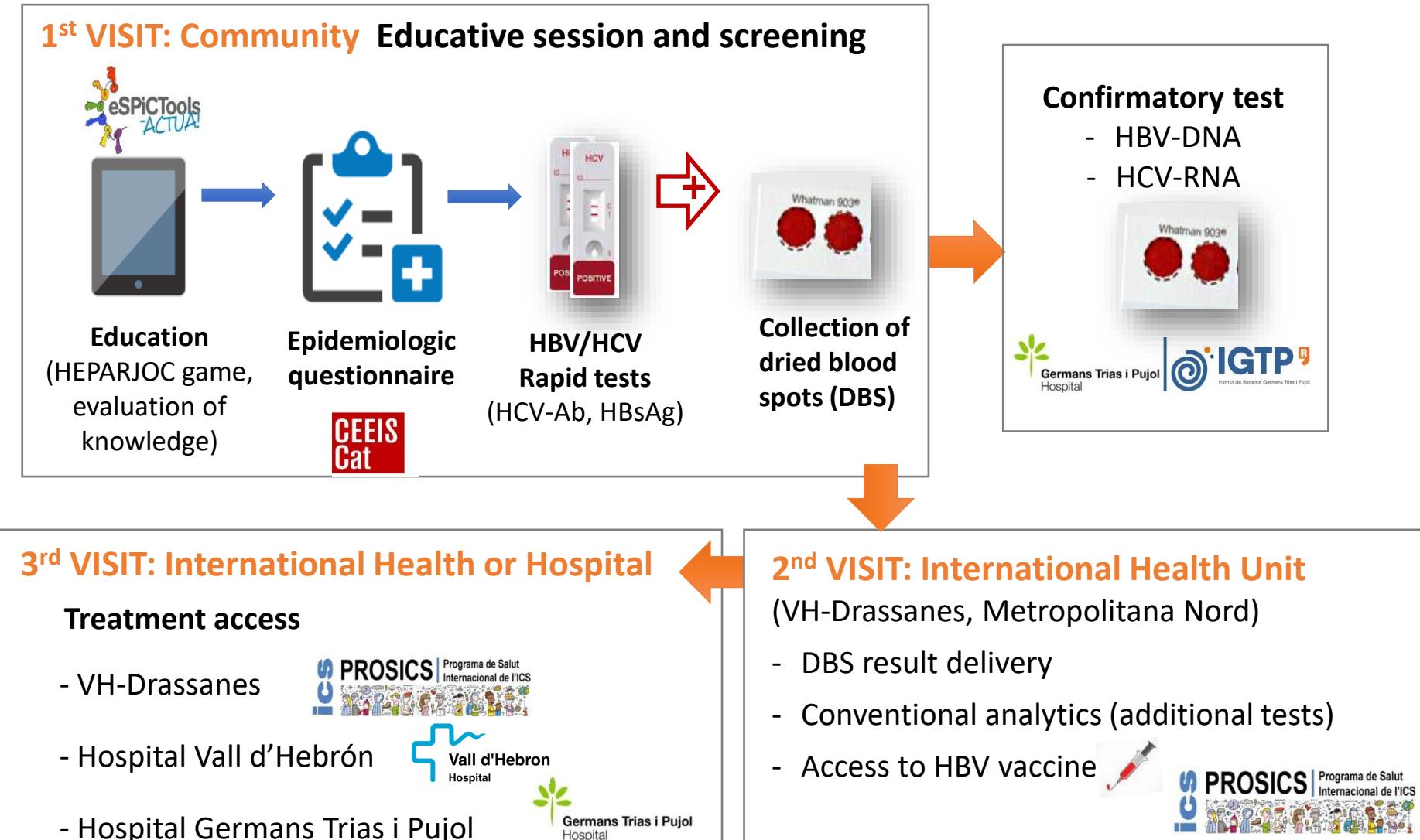
- GROUP OF COUNTRIES WITH ANTI-HCV+ PREVALENCE =>2% (INCLUDED IN THE SCENARIO A OF SCREENING)
- GROUP OF COUNTRIES WITH ANTI-HCV+ PREVALENCE =>3% (INCLUDED IN THE SCENARIO B OF SCREENING)
- GROUP OF COUNTRIES WITH ANTI-HCV+ PREVALENCE =>4% (INCLUDED IN THE SCENARIO C OF SCREENING)
- GROUP OF COUNTRIES WITH ANTI-HCV+ PREVALENCE =>5% (INCLUDED IN THE SCENARIO D OF SCREENING)

Estimated anti-HCV+ cases amongst IMMIGRANTS in Spain attending the HCV prevalence in the country of origin



Alarcón Linares ME, et al. Rev Esp Enferm Dig. 2019

**Purpose:** implement and evaluate a community action that brings together education, screening and simplified access to treatment in migrants from Pakistan, Romania and Senegal



# Results: Community interventions

Pakistan population: N=328

- Consulate (n=178)
- Mosque (n=77)
- Taxi schools (n=73)

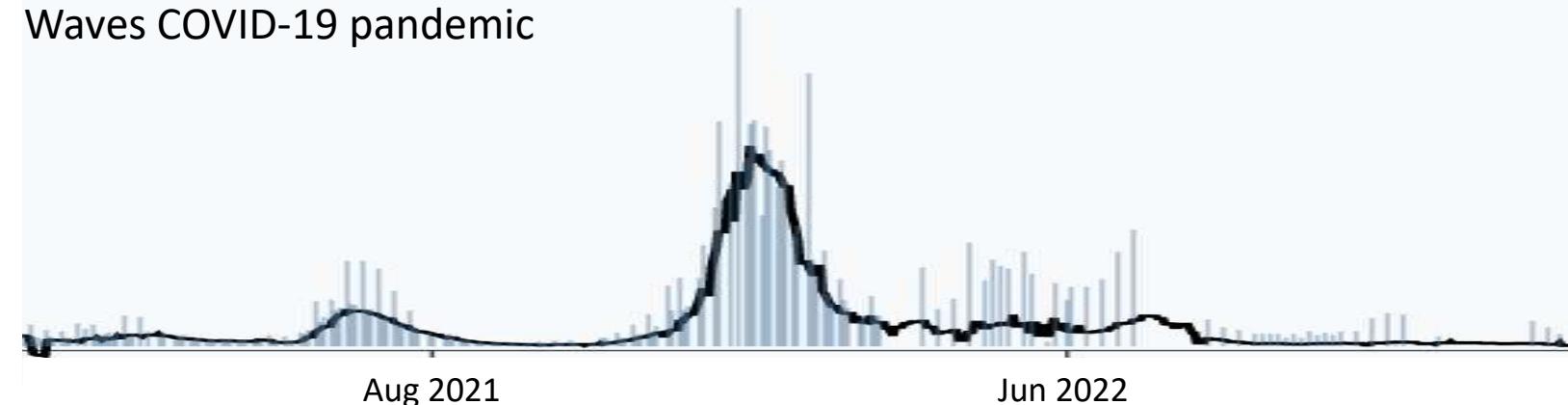
Romanian population: N=136

- Church (n=101)
- Homes (n=24)
- Institutional place (n=11)

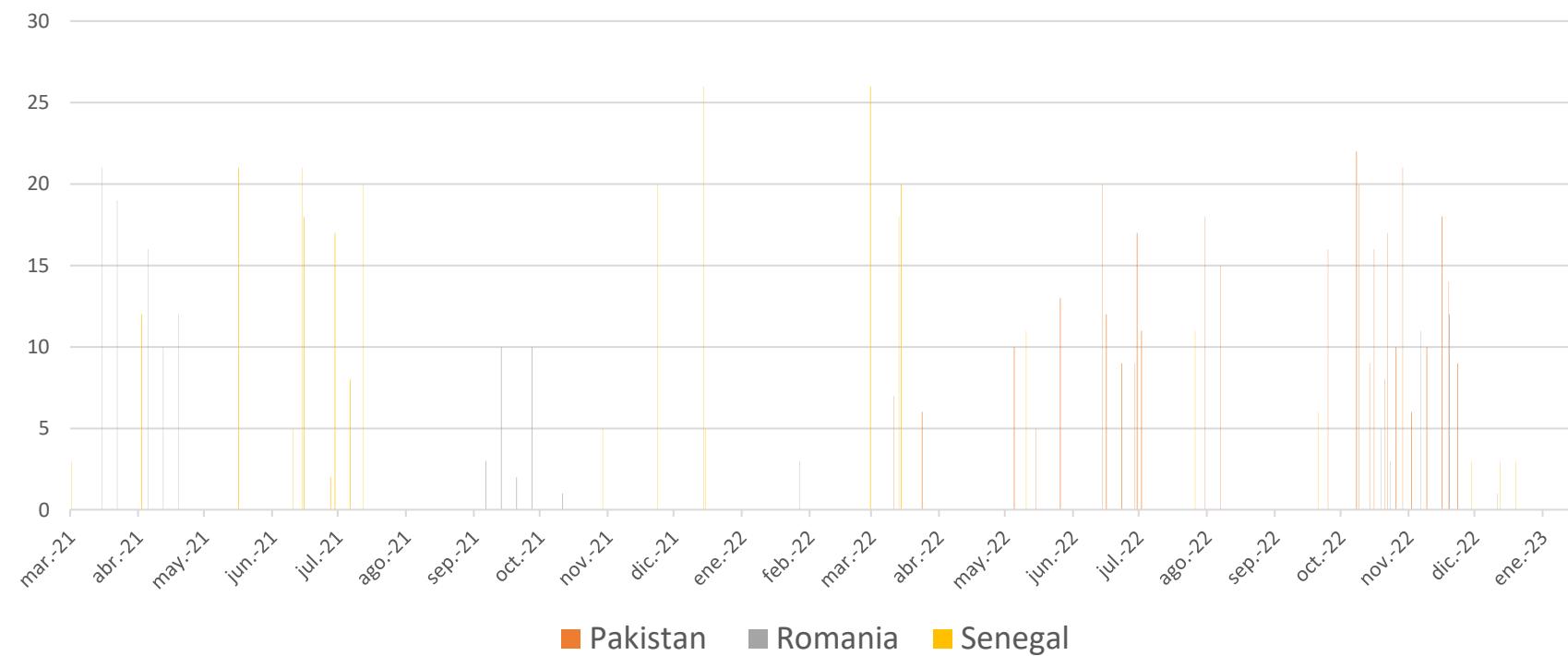
Senegalese population: N=304

- Associations (n=297)
- Settlement (n=7)

Waves COVID-19 pandemic



Interventions



# Results: Community interventions



Pakistan

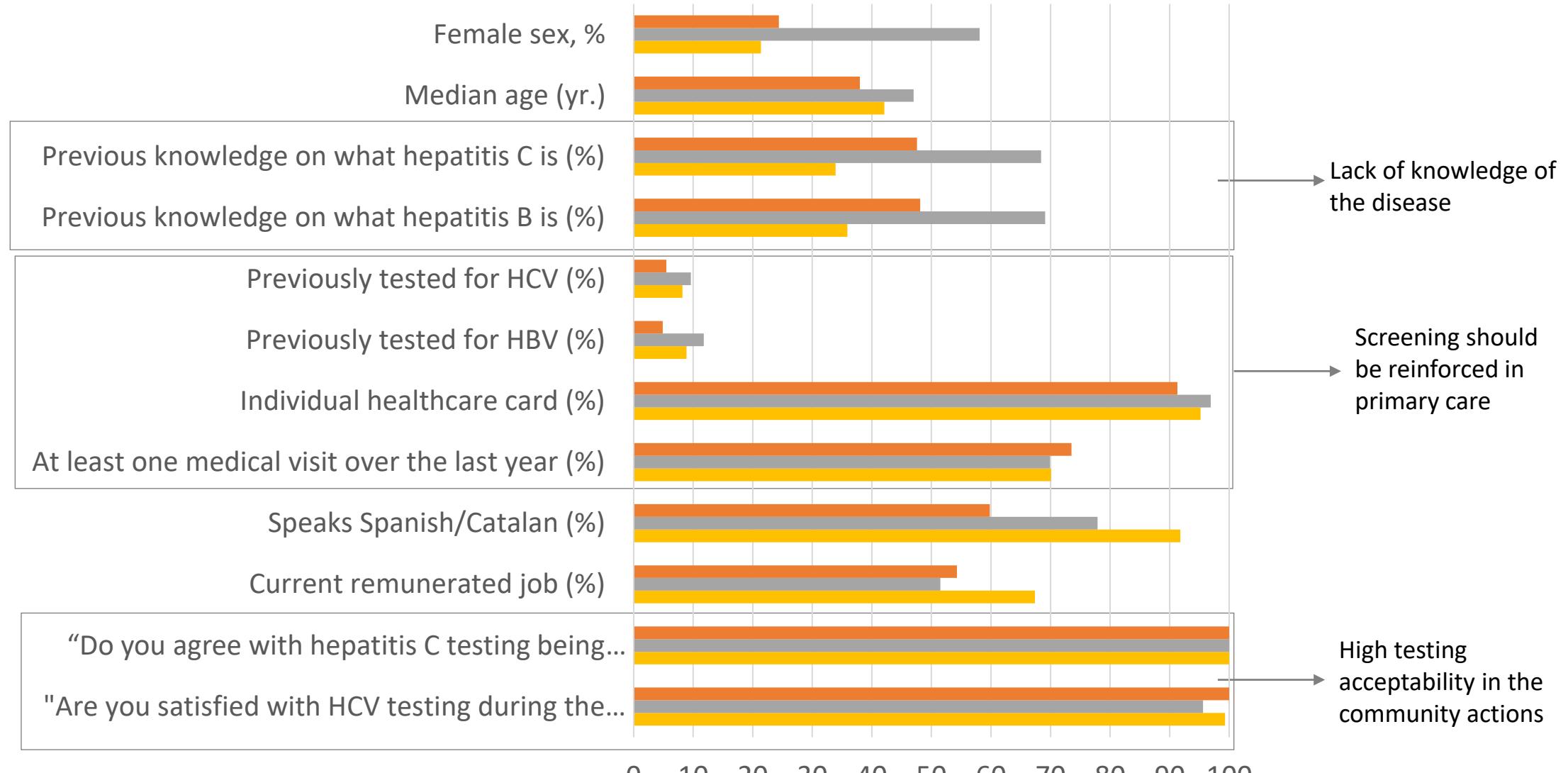


Senegal

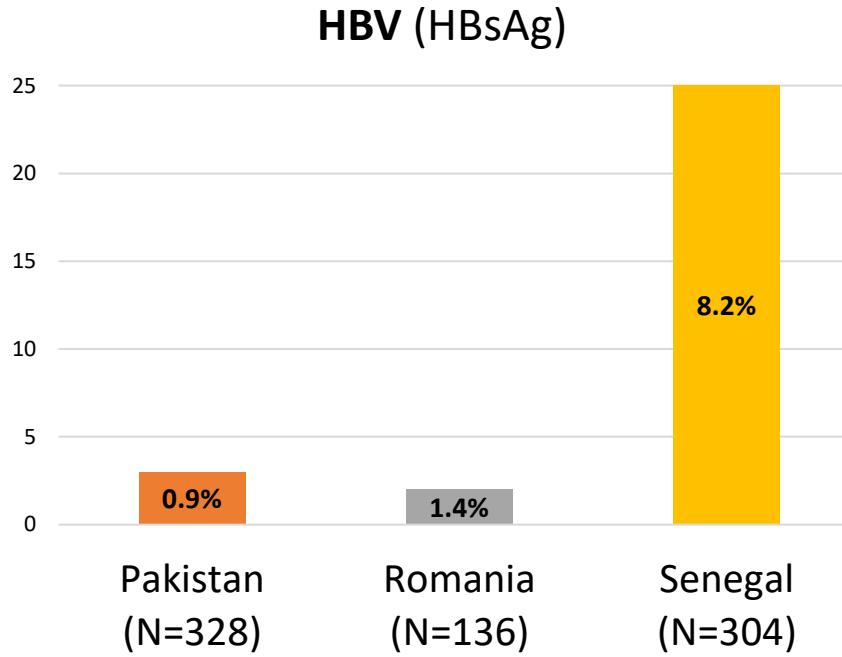


Romania

# Results: Sociodemographic characteristics

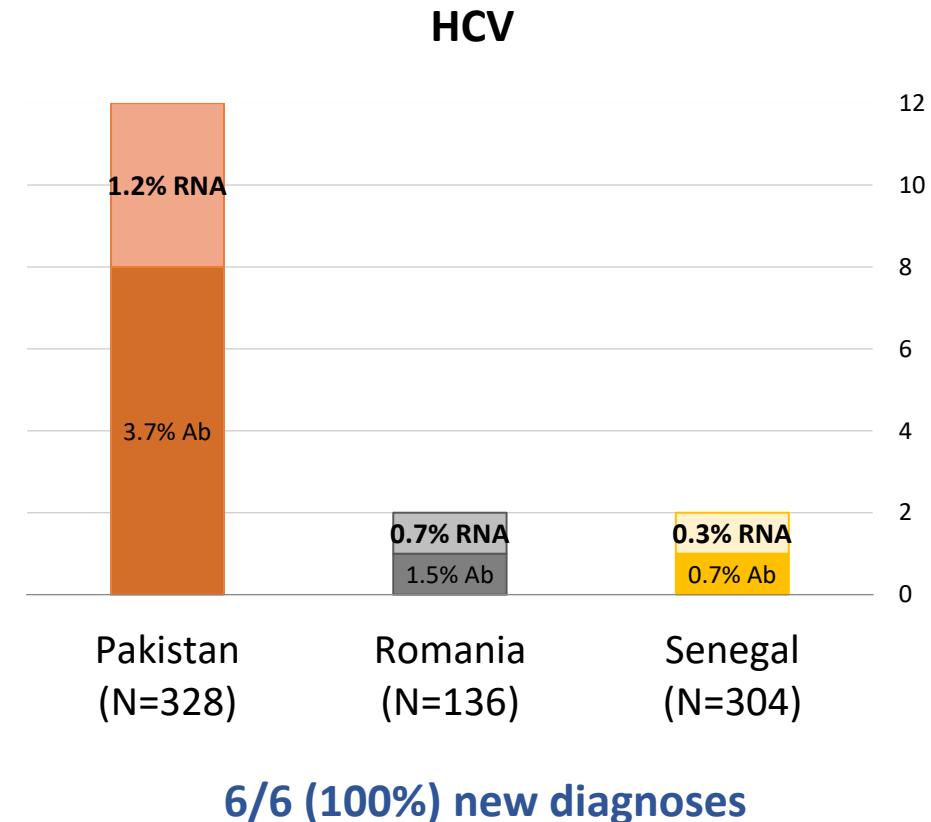


# Results: HBV and HCV prevalence



**23/30 (72%) new diagnoses**

17/23 (73.9%) linked to care,  
tested DNA-HBV+ and none met  
treatment criteria.  
None was co-infected with HDV.

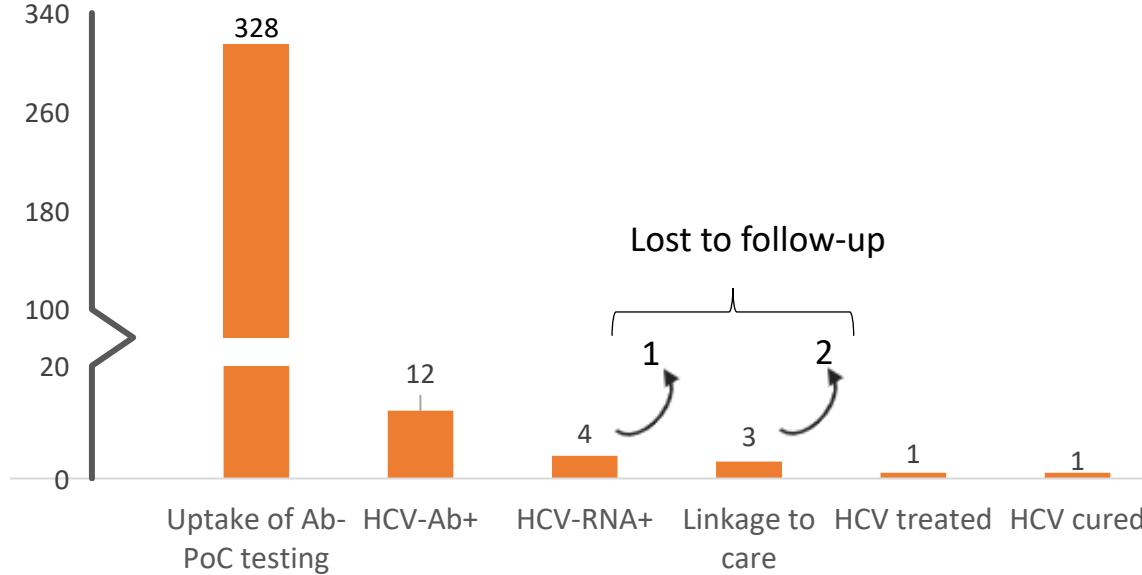


**6/6 (100%) new diagnoses**

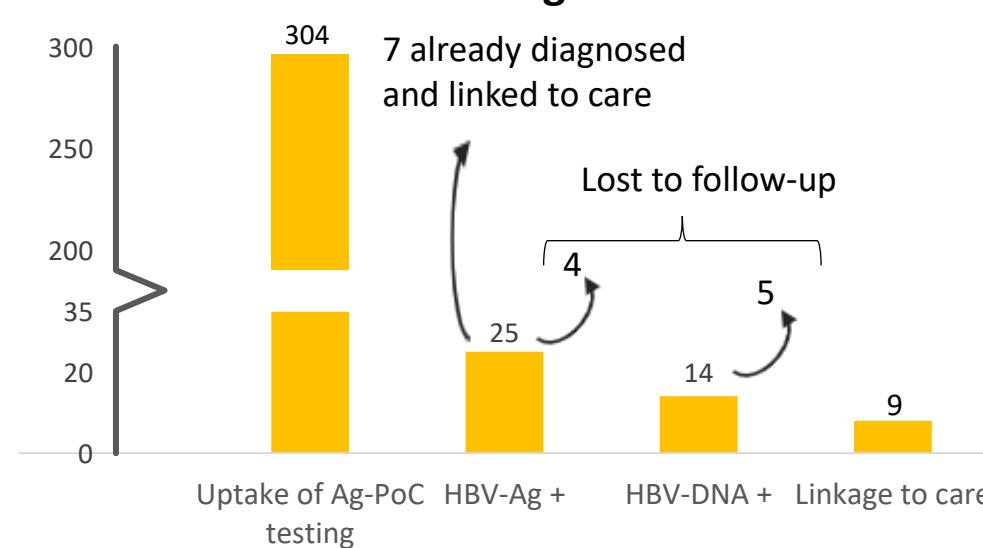
4/6 (66.6%) linked to care  
2 (50%) initiated and completed  
antiviral treatment, and were cured.

# Results

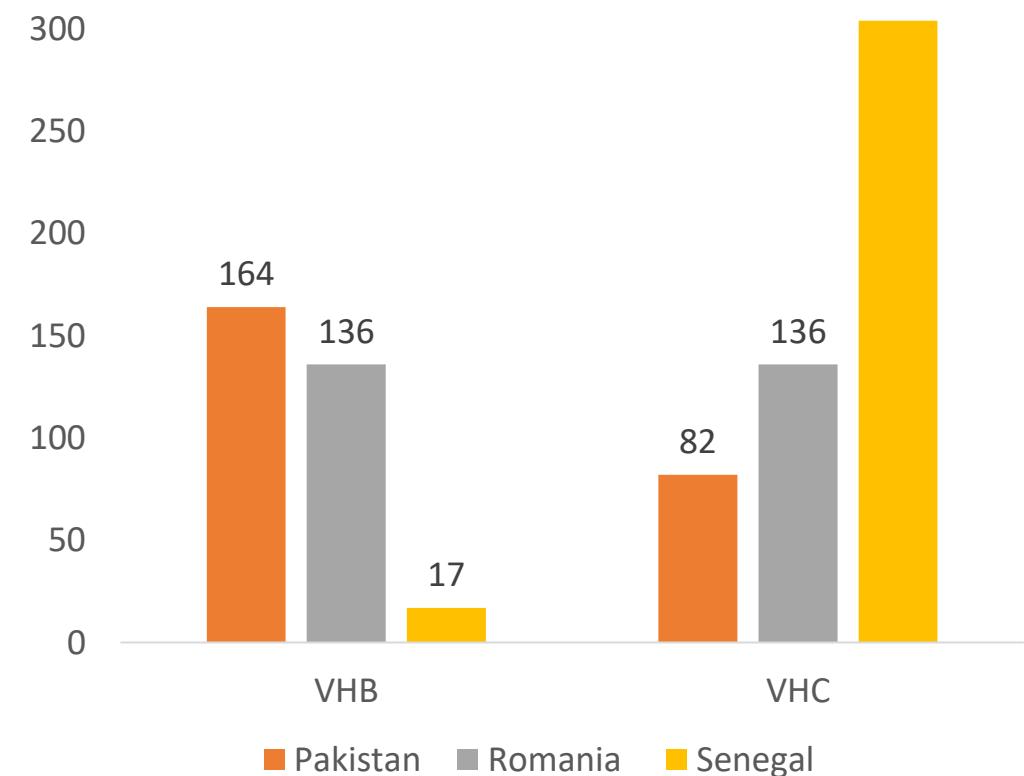
**HCV Pakistan cascade of care**



**HBV Senegal cascade of care**



**Number of persons needed to screen a new diagnosis**



1. Viral hepatitis screening within this new community intervention is well accepted among the migrant population from Pakistan, Romania and Senegal.
2. It has reached both men and women with limited knowledge of hepatitis B and C, most of whom had not been tested before.
3. The observed prevalence of HBV/HCV, as well as the high unawareness of their status, justify a targeted screening in these groups of migrants from endemic countries.

# Acknowledgments

HepHIV  
2023  
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## PUBLIC HEALTH



Joan Colom Xavier Majó

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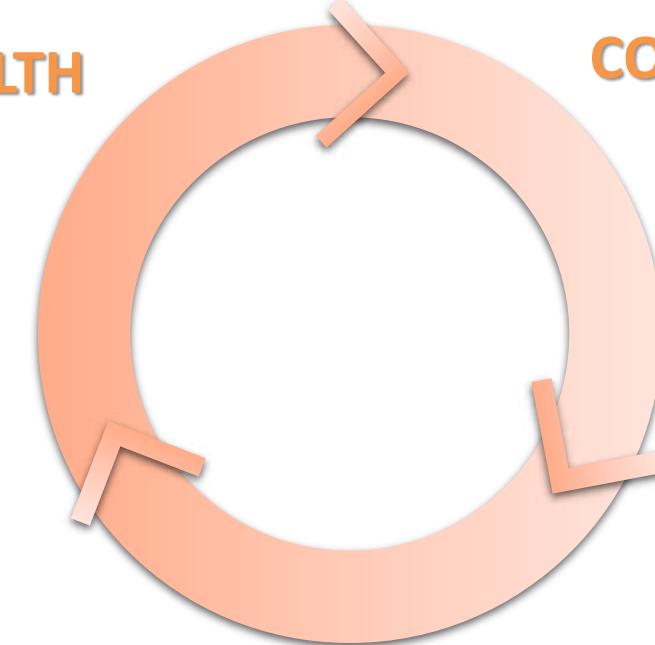
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Group 27



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## COMMUNITY

All participants

Community Organizations

International Health Unit  
- Vall d'Hebrón-Drassanes

Jordi Gómez, Hakima Ouaarab, Begoña Treviño, and all community health agents



## RESEARCH



Anna Not  
Verónica Saludes  
Adrián Antuori  
Sara González  
Antoni Escalas  
Elisa Martró (PI)

Microbiology Dept.  
Pere-Joan Cardona  
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## HEALTHCARE



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