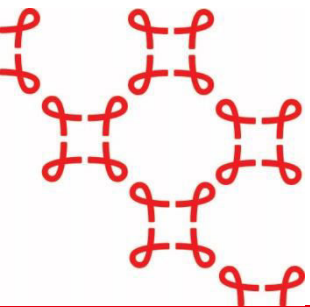


Financing the HBV response: Within and outside the context of HIV co-infection

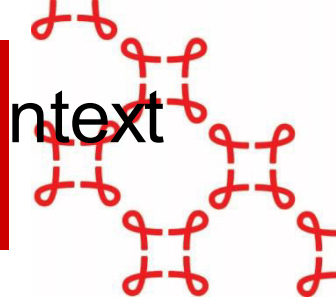
María Eugenia de Feo Moyano

President Fundación HCV Salud Sin Fronteras – Hepatitis 2000 – Argentina - HepaRed Latinoamérica y Caribe

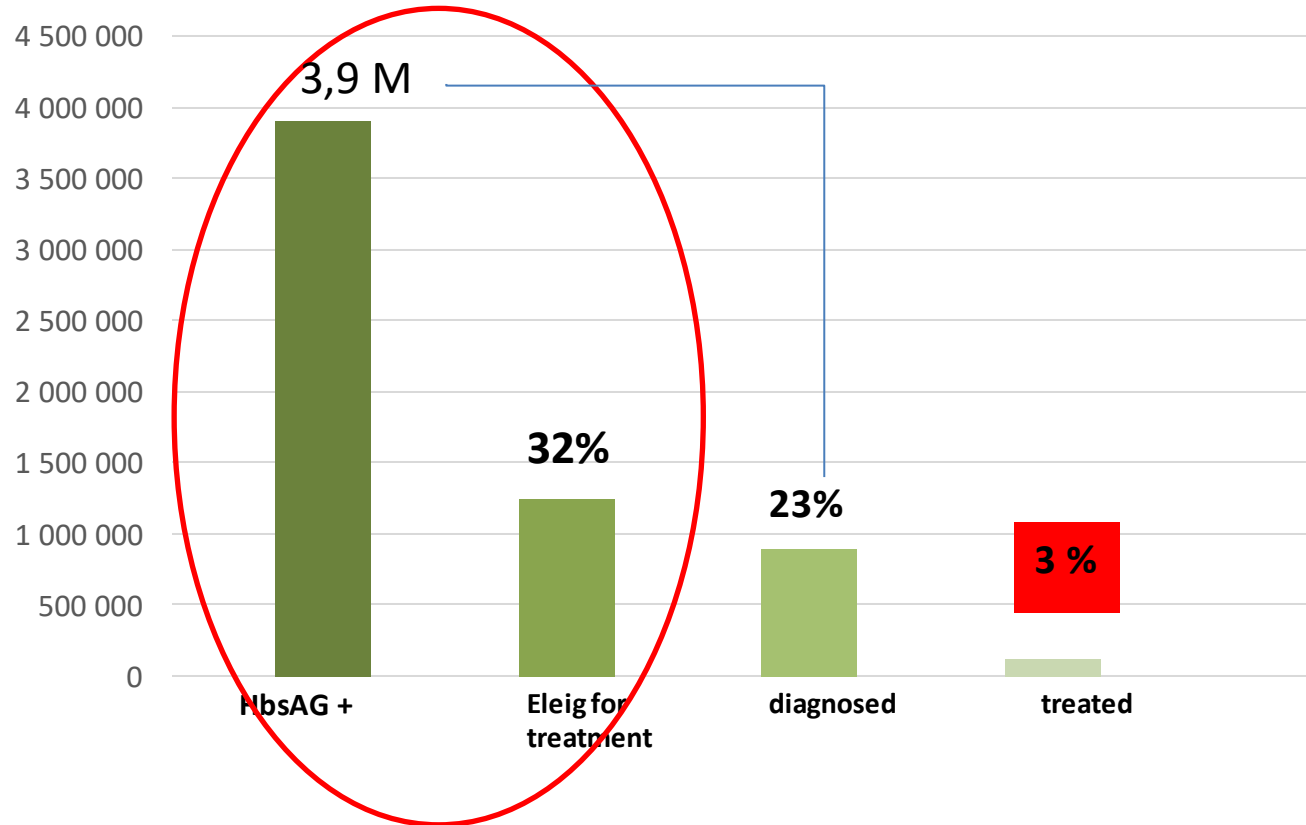




HBV eligible for treatment – treated



HBV Estimated diagnosed and treated Américas



1.248.000 appreciable eligible for treatment

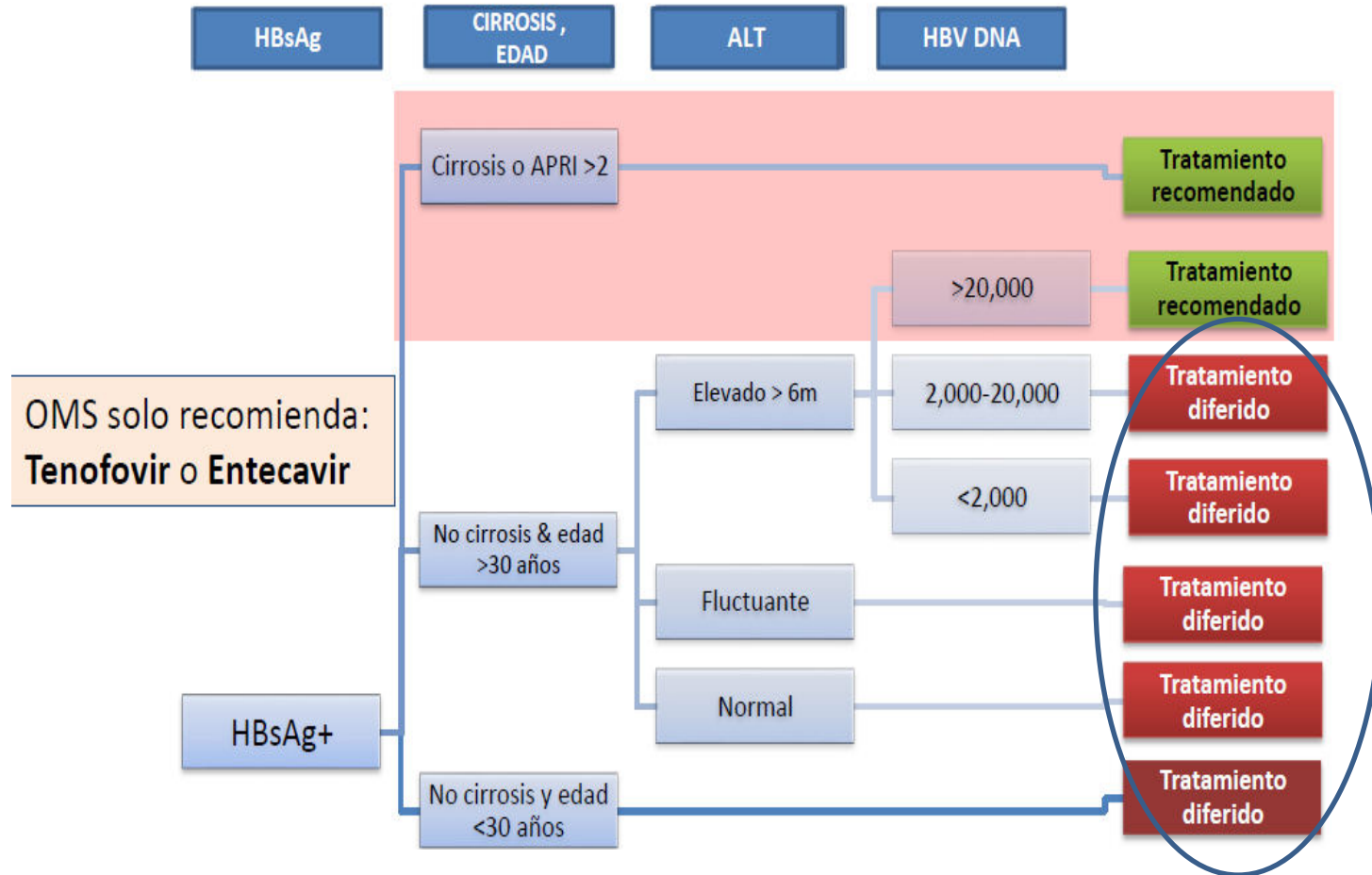
Reality:
23% :897.000 diagnosed
3%: 26.900 treated

$897.000 // 32\% = 287.400$
 $287.040 - 26.900 = \mathbf{260.500}$

Source: Polaris Observatory (<http://www.polarisobservatory.com/>) Adaptation Global HBV cascade of Care 2016



Directrices de tratamiento de VHB de la OMS 2016



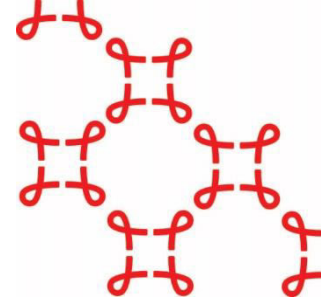
Attention :
Only 13 countries have quantitative determination of HBV viral load (differentiate chronic active and inactive infection, know if you need treatment and monitor the response)

(*OPS Hepatitis B y C Bajo la Lupa)

*situation of viral hepatitis and progress towards a public health response. Regional counselor of viral hepatitis. PAHO Nick Walsh



HBV treatments in the List of Essential Medicines



number of countries

incorporated into the list of essential medicines

recommended in national guidelines

ENTECAVIR

3

3

TENOFOVIR

21

8

ADEFOVIR

4

3

LAMIVUDINA

28

6

TELBIVUDINA

4

3

PEGINTERFERÓN

15

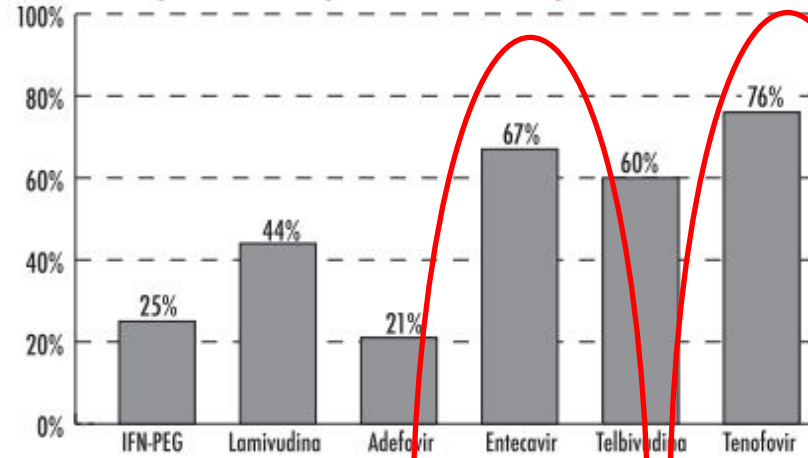
6

OPS Hepatitis B y C Bajo la Lupa

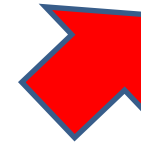
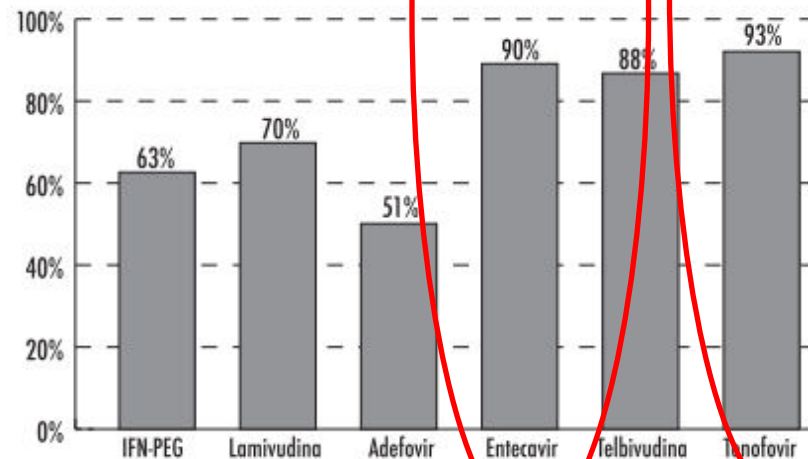


***Comparison of the effectiveness of anti-HBV drugs** Percentage of patients with an undetectable HBV viral load after one year of treatment

Tasa de respuesta de pacientes seropositivos al HBeAg



Tasa de respuesta de pacientes seronegativos al HBeAg



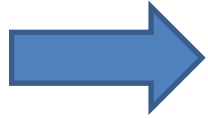
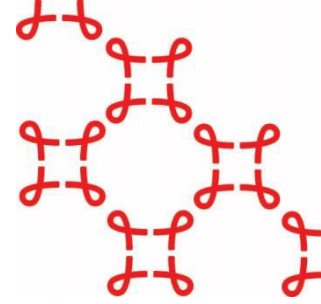
Tenofovir and Entecavir are the more potent and cost effectiveness options.
Tenofovir: also activity for HIV

• Treatment Action Group guideline 2009

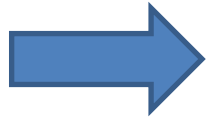
**Gao L, Trinh HN, Li J, et al. Tenofovir Is More Effective Than Entecavir for Achieving Rapid Viral Suppression in HBeAg-Positive Chronic Hepatitis B Patients With High HBV DNA Levels. Digestive Disease Week (DDW 2013). Orlando, May 18-21, 2013.



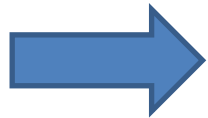
Financing the HBV response: data of interest



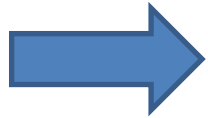
24 of 33 countries that reported to PAHO Report Hepatitis B and C Under the Magnifying Glass provide public funding for the treatment of HBV infection (*OPS Hepatitis B y C Bajo la Lupa)



Most countries provide treatment for hepatitis B for co-infected VIH people



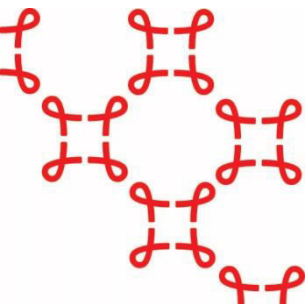
The cost of Tenofovir ranges between 30 and 50 US \$



The cost of Entecavir between 40 and 70 US \$

****Estimated annual treatment cost**: Entecavir (0,5mg/day) (USD 33 for week) 5.211 US\$
Tenofovir (300mg/day) (USD 192,44 for week)1.387 US\$

**Cost-effectiveness of two antiviral therapies for chronic hepatitis B in Peru: entecavir and tenofovir . 2017 .Rafael Bolaños-Díaz^{1,2,a,b,c}, Romina A. Tejada^{1,a,b}, César Sanabria^{3,d}, Seimer Escobedo-Palza^{4,a}





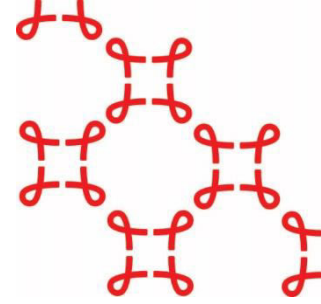
Information from the experience of civil society HepaRed LA (NGO network of patients with chronic hepatitis in Latin America)

Public financing of HBV treatment

Countries	HBV + HIV	HBV	observations
ARGENTINA	YES	YES	Low demand for treatment
PERÚ	YES	YES	
CHILE	YES	YES	
COLOMBIA	YES	YES *	*you must insist with legal actions to obtain them
GUATEMALA	YES	YES *	*you must insist with legal actions to obtain them
URUGUAY	YES	NO*	*only subsidize high-cost treatments
REP. DOMINICANA	NO*	NO*	*only subsidize high-cost treatments
MÉXICO	YES	YES	*
BRASIL	YES	YES	



Financing the HBV response: Within and outside the context of HIV co-infection



Conclusion 1

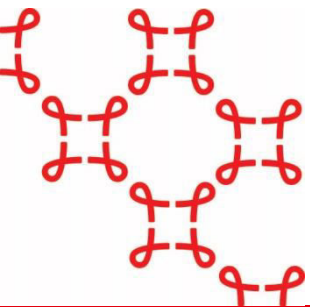
- Most countries give public funding for treatment for hepatitis B to people with HIV
- Tenofovir the most prescribed treatment, since it is included in drugs for treatment for HIV
- Of the few countries offer treatment to HBV mono-infected people, in some it must be accessed with the legal insistence of civil society to obtain them

The price of treatment is generally low for the entire region and there are generic Tenofovir and Entecavir

- Because it is considered a low cost treatment, many countries do not subsidize it

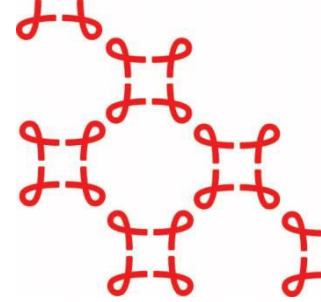
The health cost of a patient with advanced stage hepatitis B (cirrhosis and / or cancer and / or transplant) is 100 times higher than timely treatment

- Without real data, and based only in estimates, the idea that hepatitis B is of low prevalence has been installed in the region and countries do not assume it as an important disease, outside of vaccination





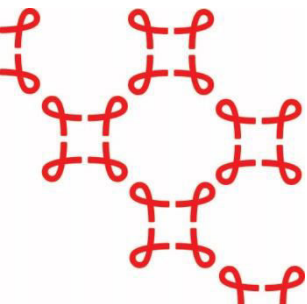
Financing the HBV response: Within and outside the context of HIV co-infection



Conclusion 2

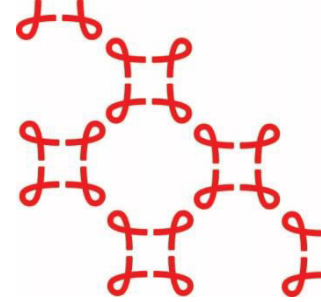
- Very little data on the number of people diagnosed in the region with or without HIV
- The diagnosis of HBV in general is very low. It is mainly done in blood banks, in people with HIV, in pregnant people (little) and in other groups at risk, very little or nothing
- Most of the Countries that report actions on hepatitis B, generally refer to vaccination
- The low screening for hepatitis B, misinterpretation of the analysis by primary health care professionals, low follow-up of people diagnosed, difficult access to treatment for mono-infected people, leads to late diagnosis of hepatocellular carcinoma.

Increased awareness actions are needed on the need to record data, diagnose, monitor and give access to treatments for people with hepatitis B





¡Muchas gracias!
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www.fundacioncivitas.org

