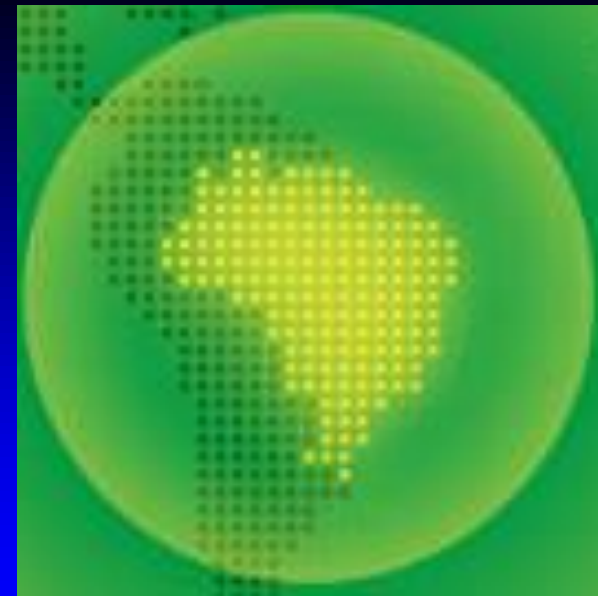


# Epidemiology of HDV in Brazil and Latin America



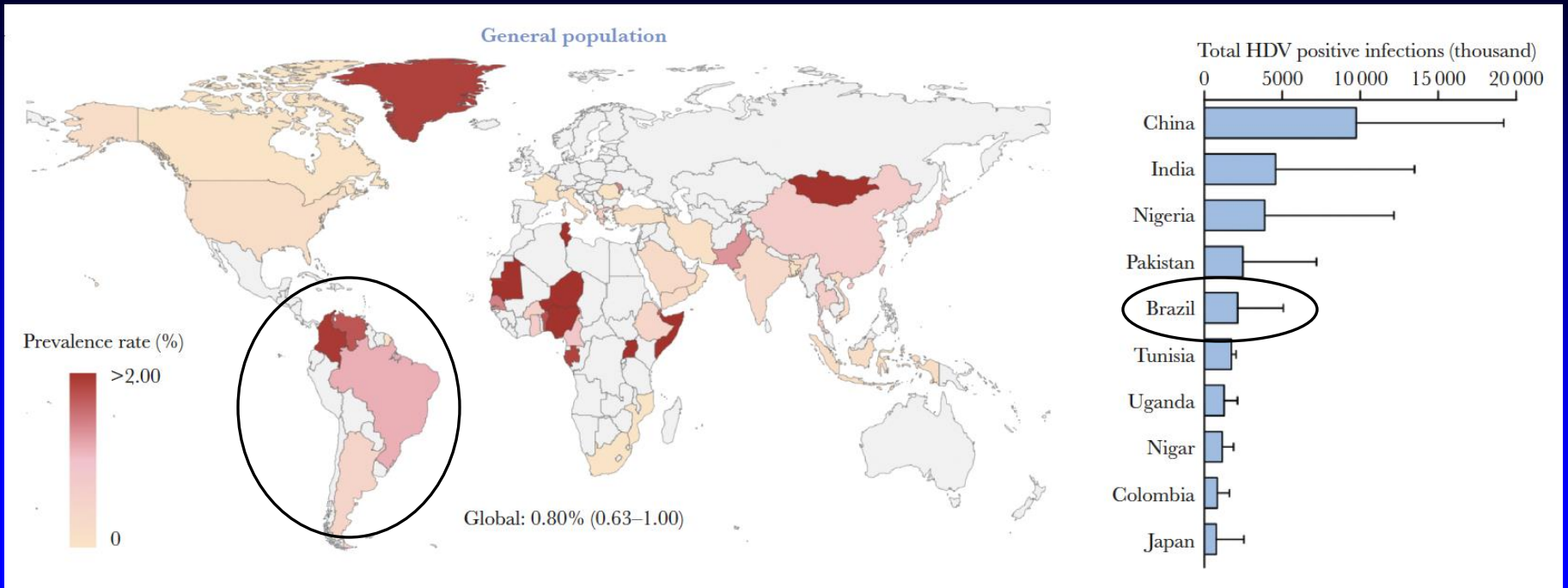
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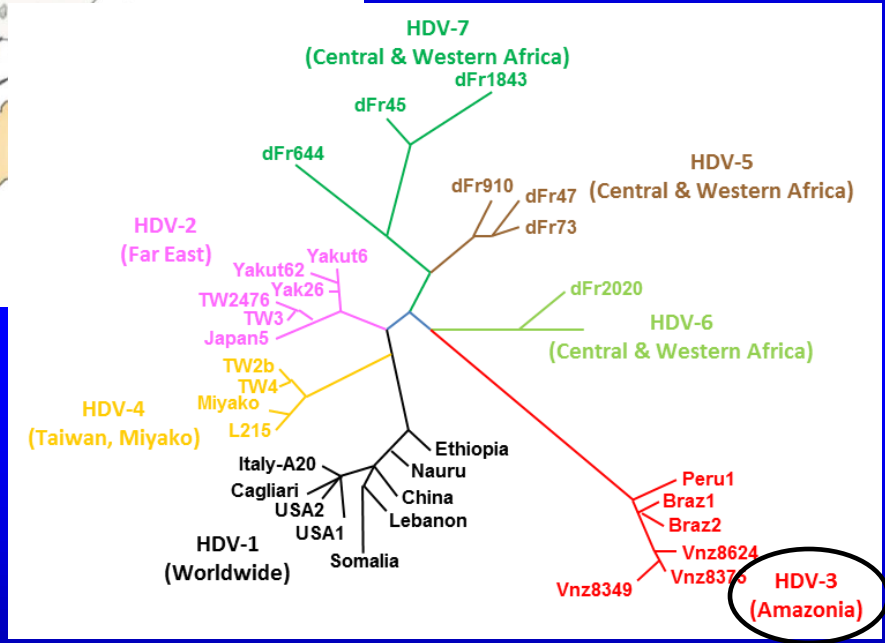
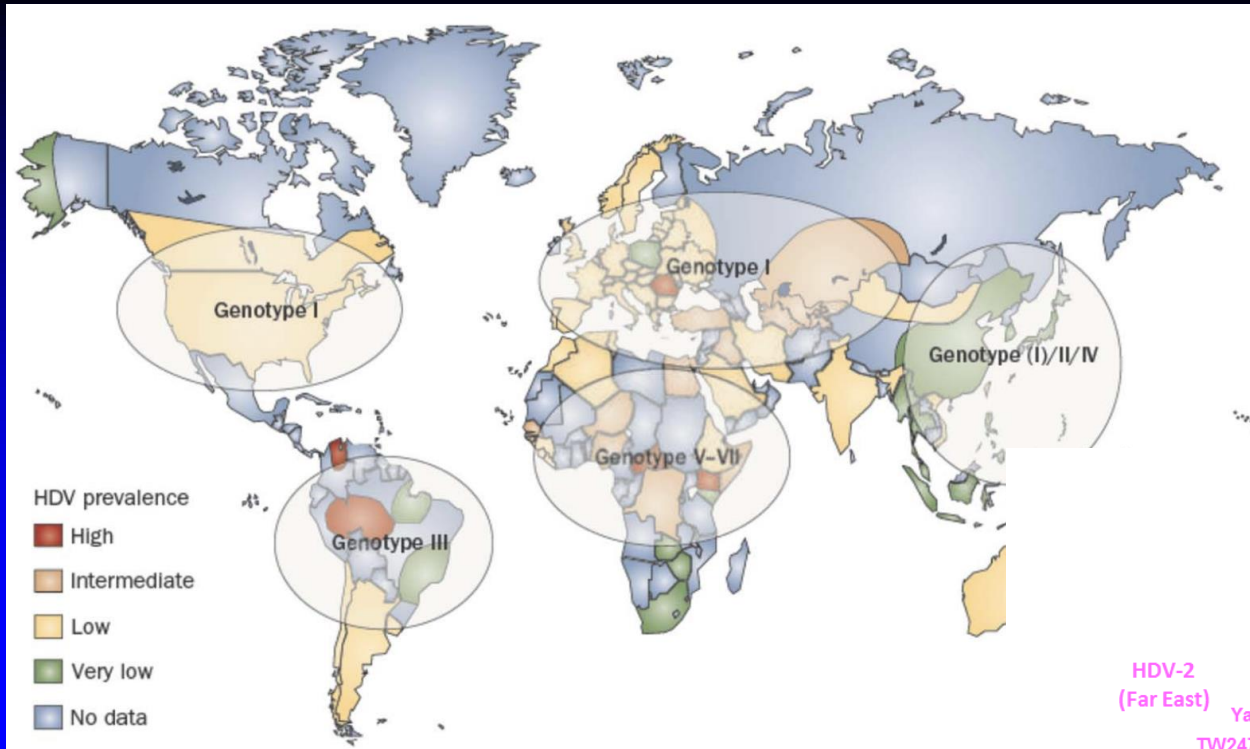


- Brazil is one of the top 5 countries in the world regarding HDV prevalence among general population

# HDV

- Hiperendemic in the western Amazon Basin
  - Colombia, Venezuela, Peru, Bolivia
- Uncomon in the east
- Absent in the non amazon regions of Brazil





- Both genotype 1 and 3
- Genotype 3
  - Most divergent
  - Exclusive to the Amazon region
  - More prevalent in rural population
  - Not included in the clinical trials
  - Most aggressive (?)

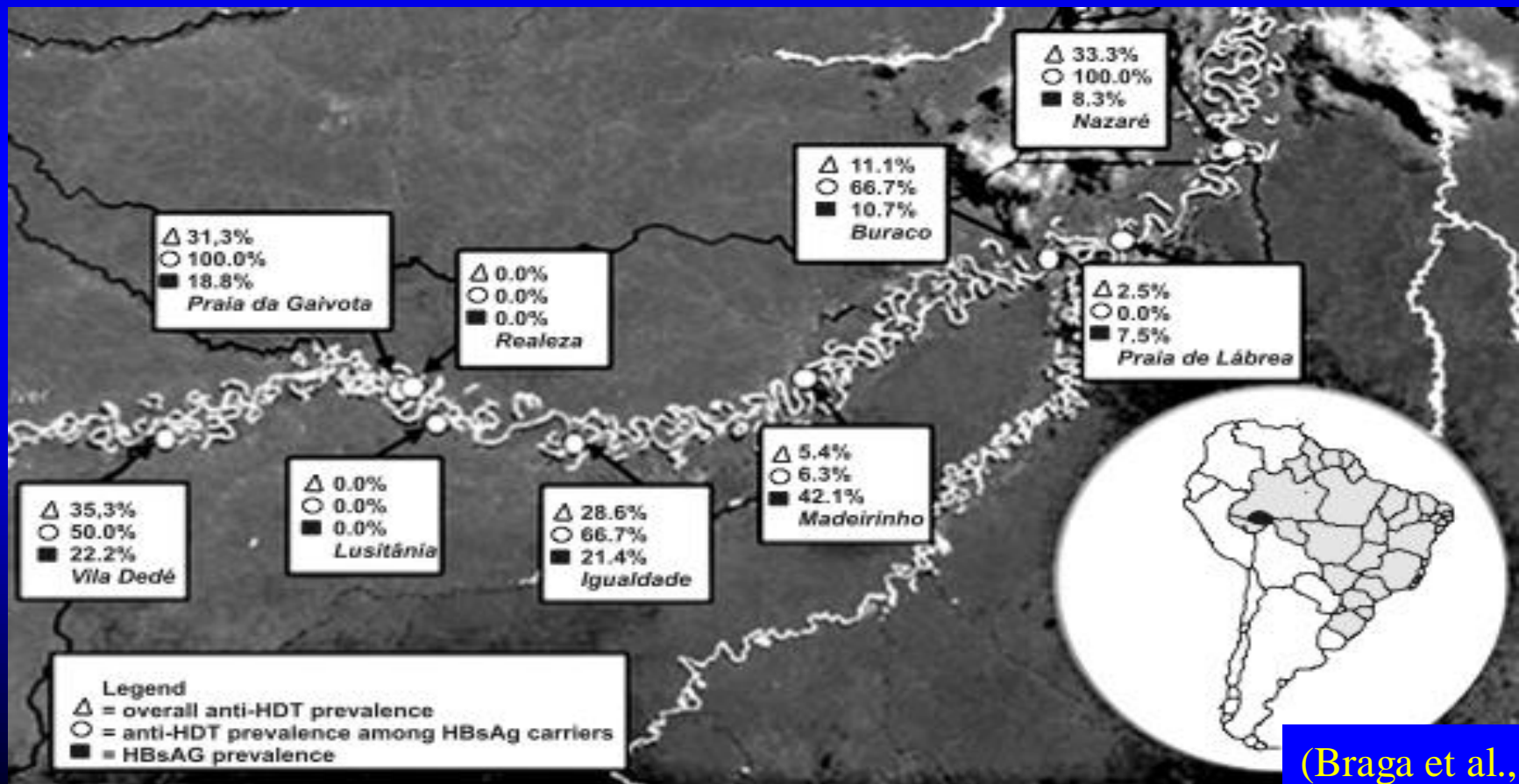


- Mainly intrafamilial horizontal non-sexual transmission during early childhood
- Large families in small and overcrowded houses
- Challenges in accessing isolated locations



# • Prevalence of anti-HDV in HBsAg + patients

- Mean: 13,5%
- As high as 67% in some rural communities
- Remarkable heterogeneity in the distribution even within the same river



# Challenges

- Assure uninterrupted supply of HDV tests in endemic areas
  - Not incorporated into the Brazilian National Health System – up to the States
- Implement reflex test in the Amazon basin
- Implement active HDV surveillance in rural communities of Amazon basin
- Monitor the spread of HDV to the non-Amazon regions
- Access better treatment options



**UNIDADE DO FÍGADO E DOENÇAS TROPICAIS**



**Thank You**



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