

**150 million** people have chronic **hepatitis C** more than the population of **Russia**



**500,000** die per year from **hepatitis C**-related liver diseases

# TREATMENT

1980s  
**INTERFERON MONOTHERAPY**

2001  
**PEGYLATED INTERFERON**

40-80% cure rate  
½-1 year treatment duration  
Injections  
Difficult side effects

2011  
**DIRECT-ACTING ANTIVIRALS**

95% cure rates  
12-week treatment duration  
Tablets  
Fewer side effects

**Hepatitis C is curable!**

Few patients can access treatment

## EXORBITANT PRICE

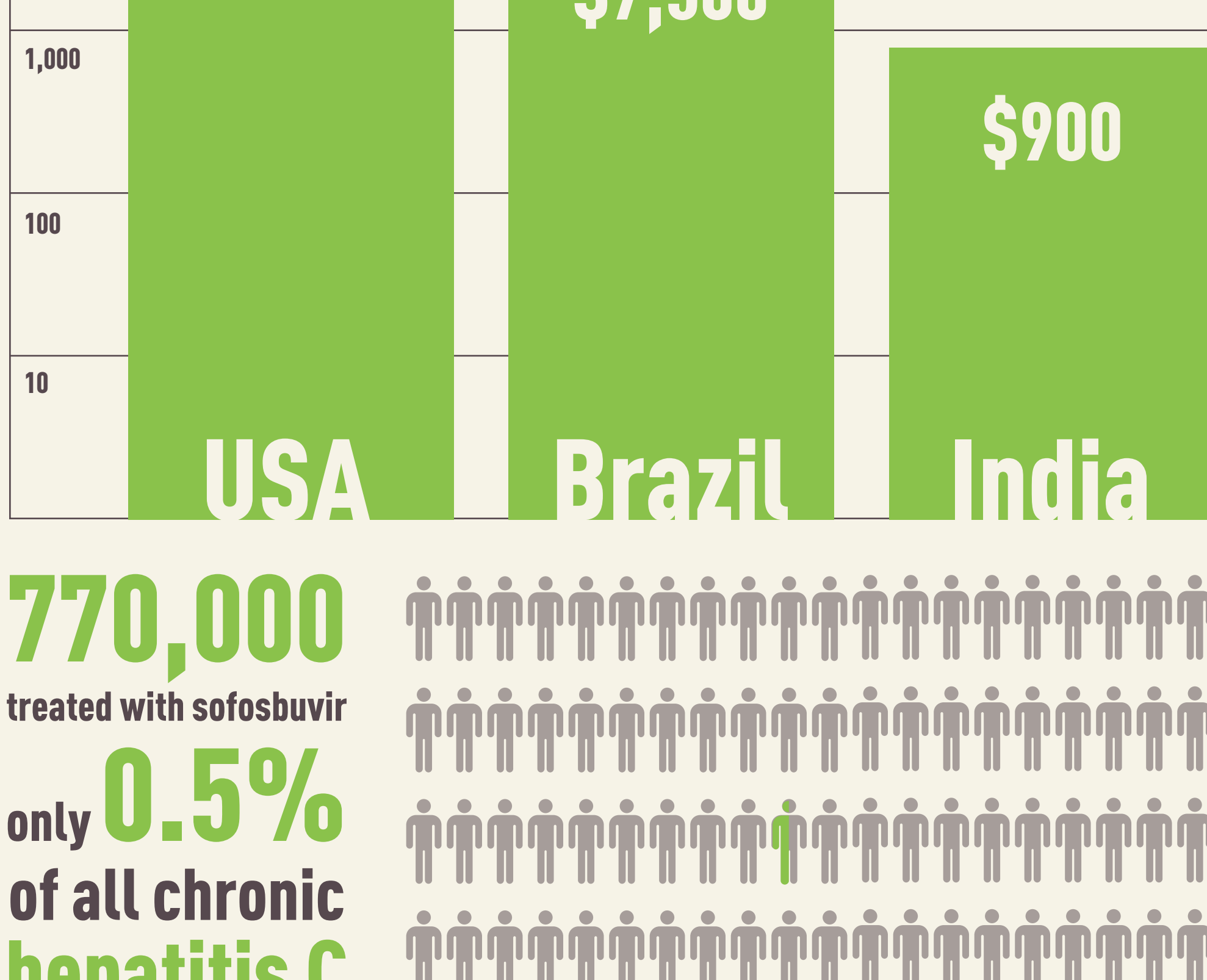
Direct-acting antivirals are very expensive...  
...and very profitable

**\$84,000**  
per 12-week treatment course in the US

Predicted manufacturing cost: **\$136**

Global prices vary **sharply**

Profits maximized by charging the most possible in each market



**770,000** treated with sofosbuvir  
only **0.5%** of all chronic **hepatitis C** patients

Revenue: **\$31 billion**

## INTELLECTUAL PROPERTY RESTRICTS GENERICS

**73%** of patients live in middle-income countries

In half of these countries, generics will not be available  
= **42 million** patients not treated



Voluntary licensing allows generics to be sold in low-income countries. In these countries, treatment is unlikely to be supplied to all patients through the public health system.

## RESEARCH GAPS

6 genotypes = 6 different responses to treatment

**R&D** focused on genotypes 1 & 2 common in Europe and America



Less R&D on genotypes 3, 4, 5 & 6 common in Africa, Asia & South East Asia

Bristol-Myers Squibb & Gilead drug combo with high cure rates against ALL genotypes  
**DISCONTINUED**

## LACK OF SCREENING

Most patients do not know they have **hepatitis C**

**1** Screening → **2** Treatment

• Prevents death & disability  
• Prevents transmission

**DNDi** project in Malaysia & Thailand

In partnership with Pharco and with support from governments of Malaysia and Thailand

Clinical trial with approximately 1000 patients

**AIM**

Test \$300 regimen that could improve access for patients



What you get for **\$84,000**

**1x** treatment **in the US** **OR** **280x** treatments sofosbuvir/ravidasvir by DNDi & partners