

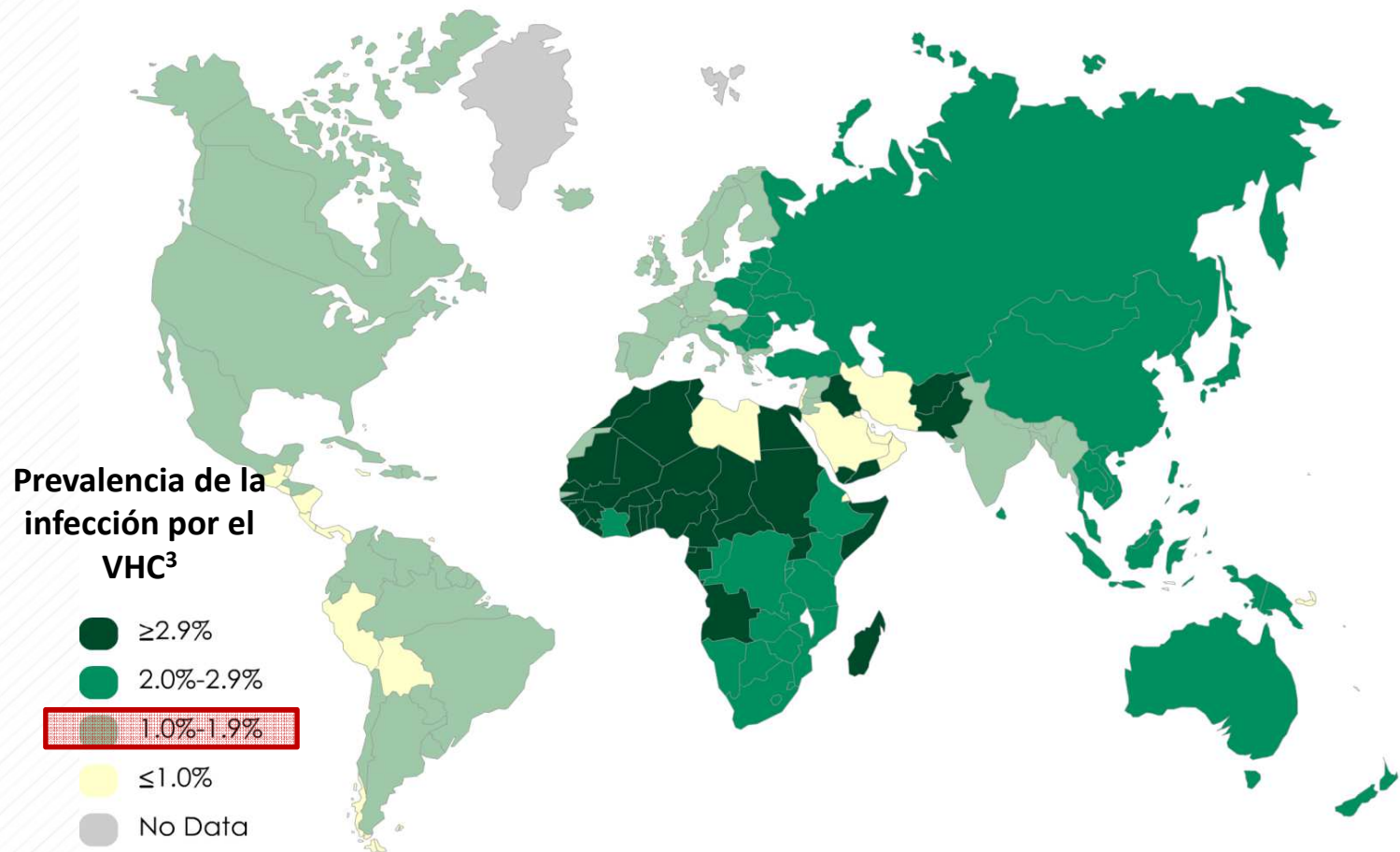
Futuro de la Epidemiología y del Tratamiento del VHC. ¿Caminando hacia la erradicación?

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Hepatitis C es un problema de salud

130–170 millones de personas están infectadas con el virus de la hepatitis C (VHC)^{1,2}



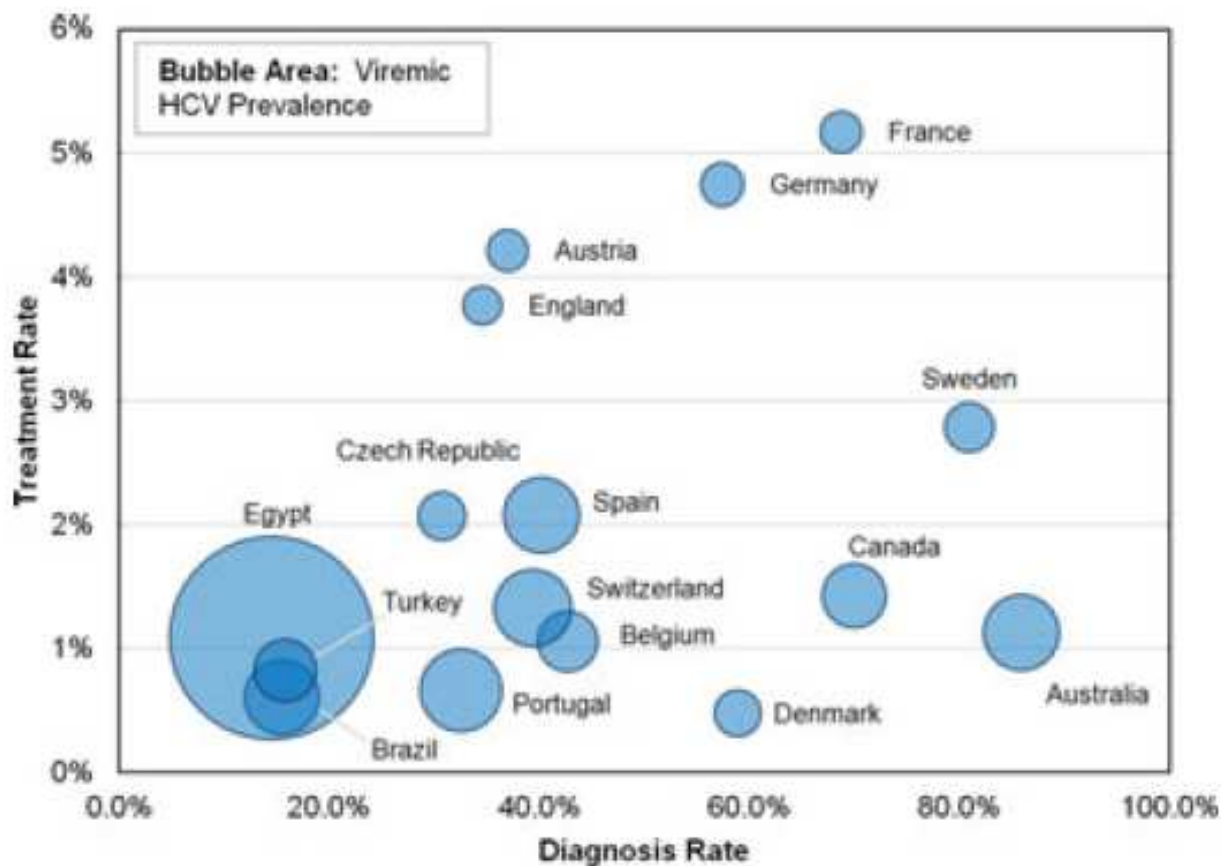
1. Lavanchy D *Liver International* 2009; 29:74-81

2. Averhoff FM, et al. *Clin Infect Dis*. 2012;55(S1):S10-S15.

3. Global Burden of Hepatitis C Working Group. *Journal of Clinical Pharmacology*. 2004;44:20-29

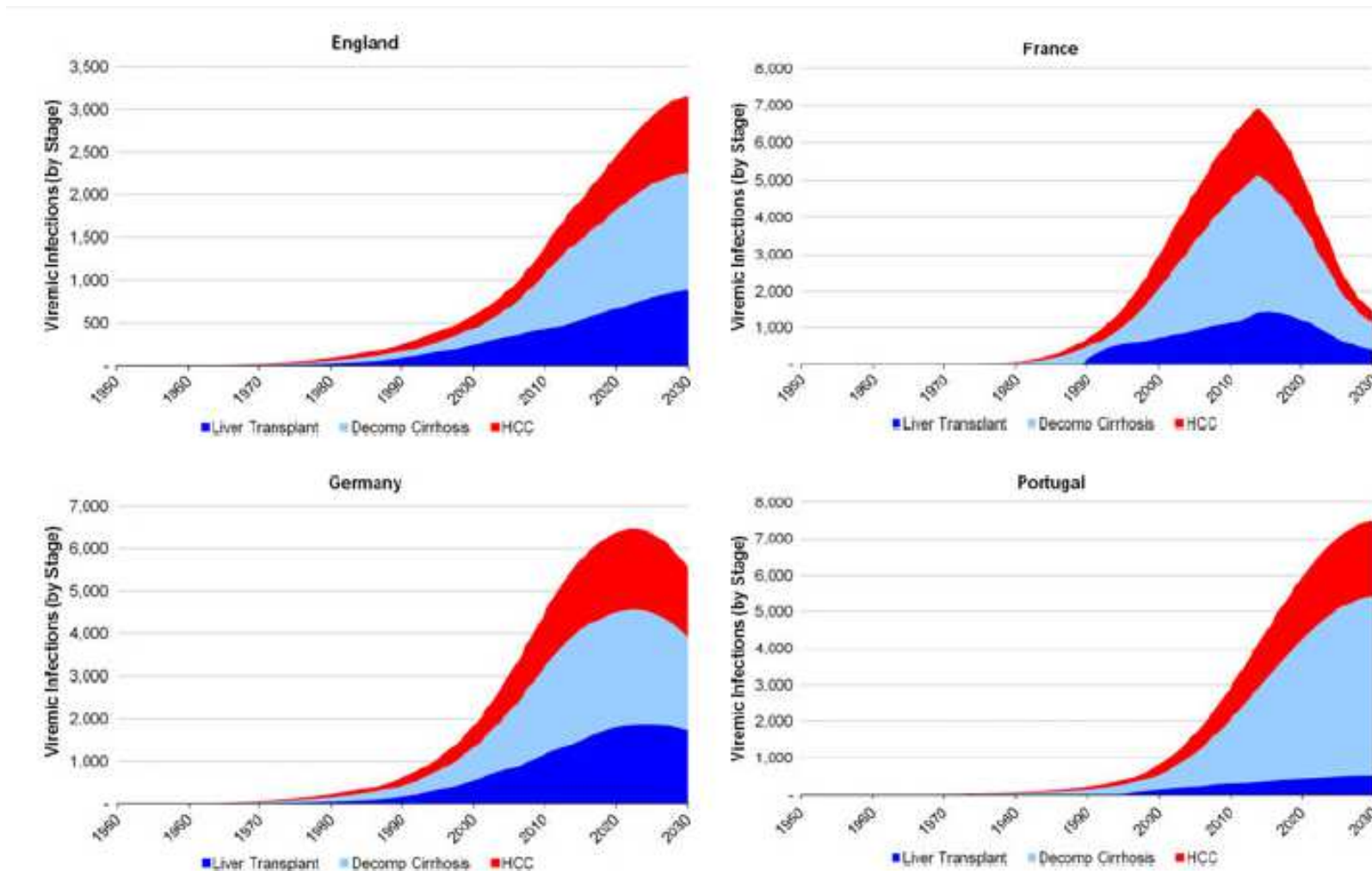
Estimated HCV prevalence, diagnosis rate and treatment uptake

- Prevalencia estimada de la HCC, tasa de diagnóstico y tasa de tratamiento en 2013

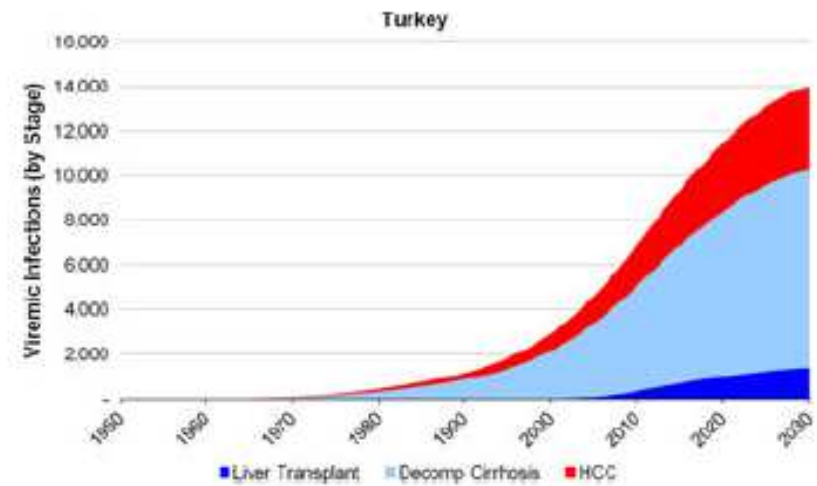
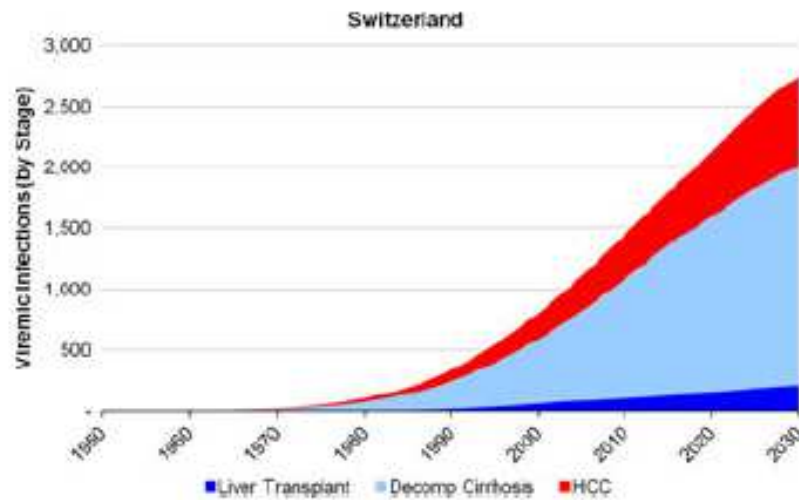
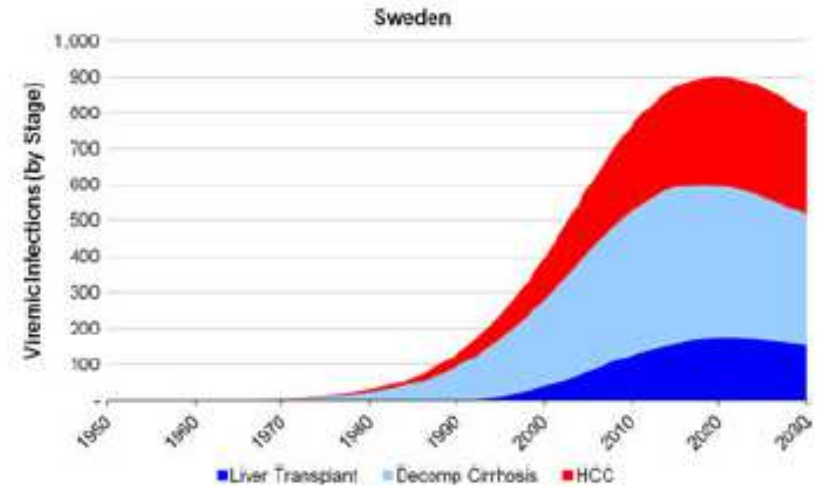
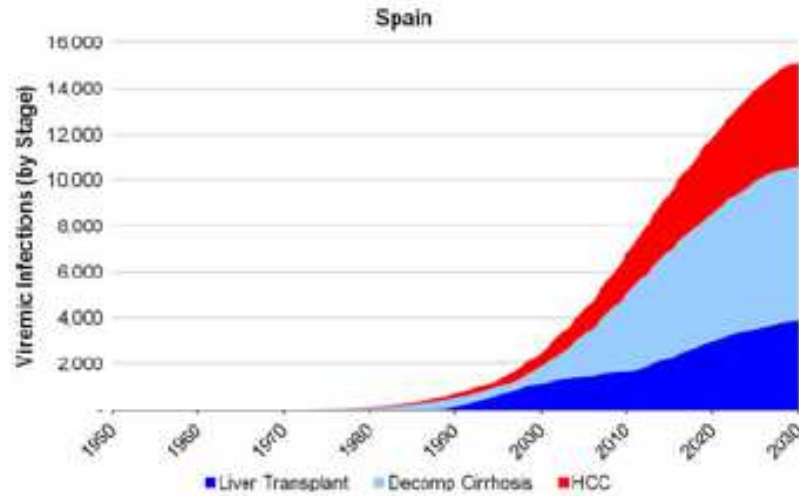


Mortality projection related to HCV In Europe

Changes in the number of liver transplants, decompensated cirrhosis and HCC cases over time

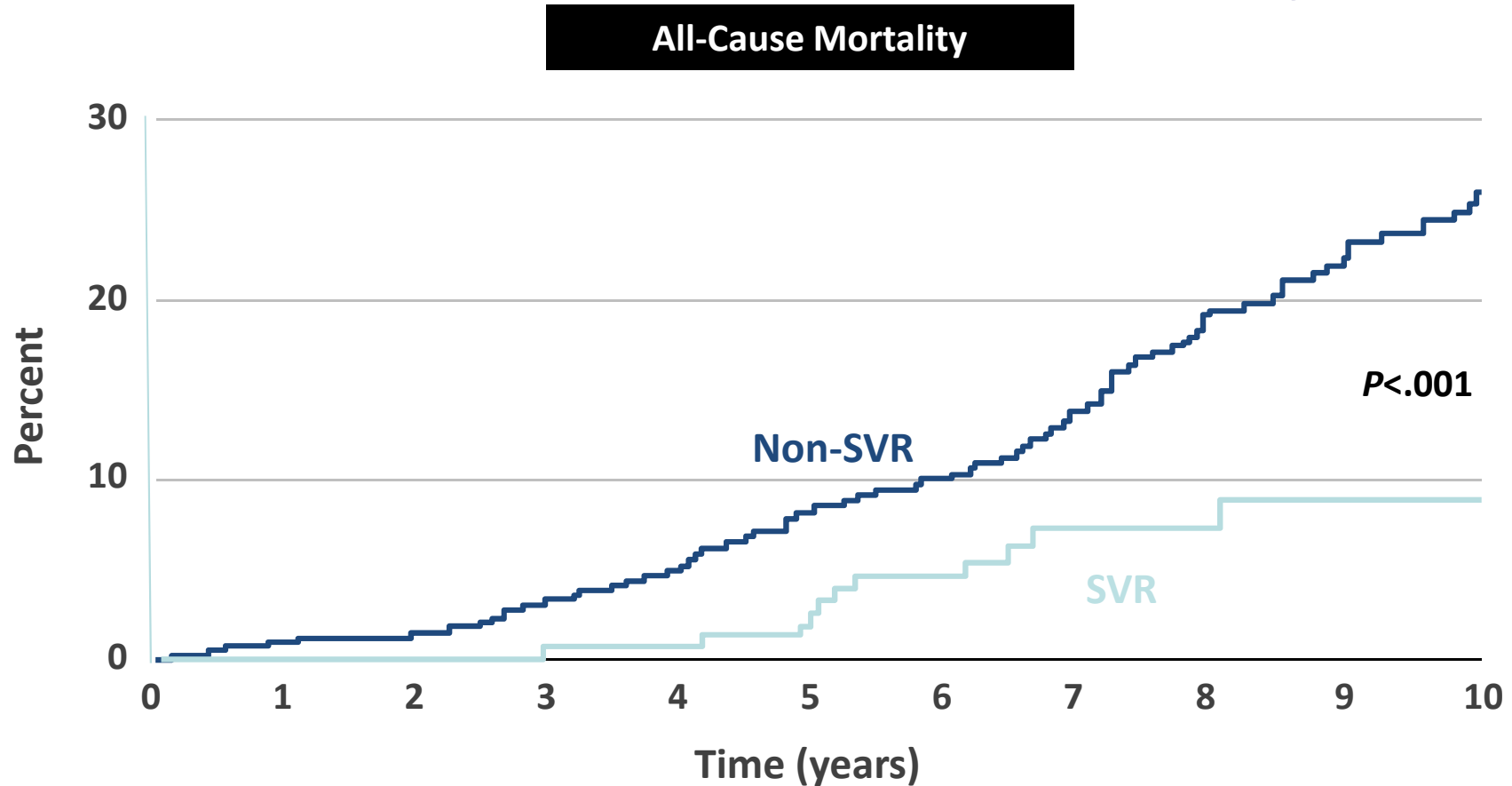


Mortality projections related to HCV



SVR Was Associated With Reduced Long-Term Risk of All-Cause Mortality in HCV Patients with cirrhosis

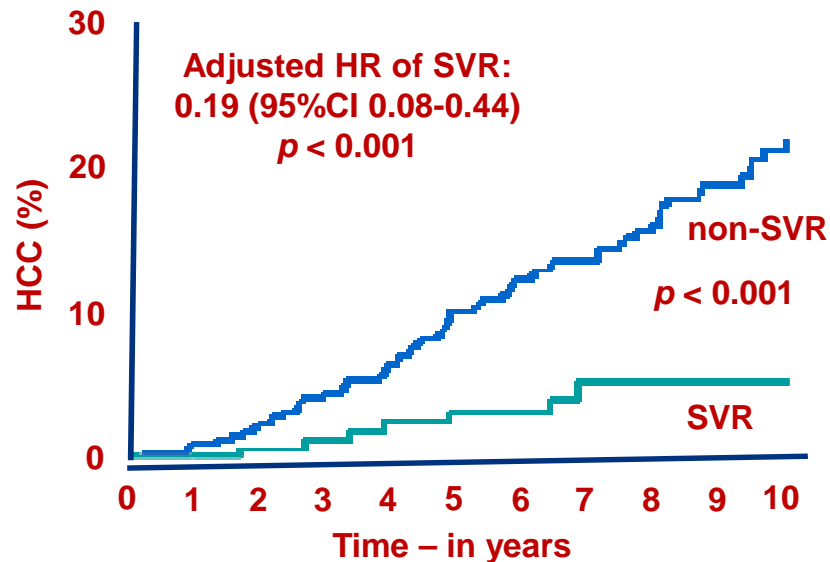
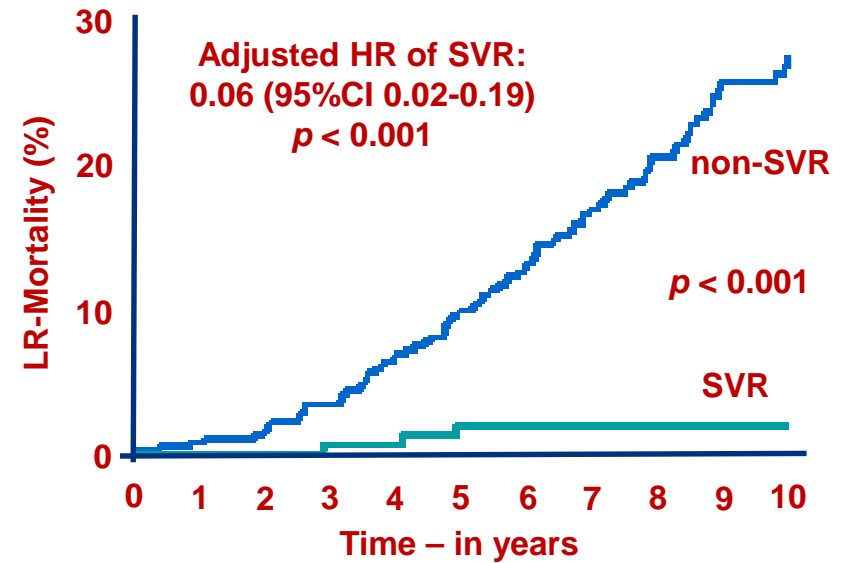
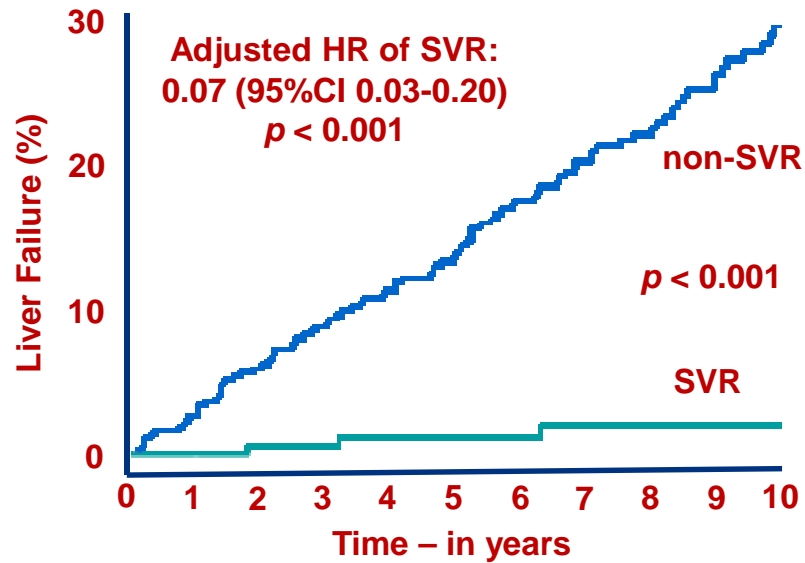
Results of an International, Multicenter Study



International, multicenter, long-term follow-up study from 5 large tertiary care hospitals in Europe and Canada. Patients with chronic HCV infection started an interferon-based treatment regimen between 1990 and 2003 (n=530).

van der Meer AJ, et al. *JAMA*. 2012;308:2584-2593.

Liver-related Mortality and Morbidity



$n=530$

Median Follow-up 8.4 yrs

Spain Hepatitis C Action Plan

Aim of the Plan:

To Reduce HCV morbidity/mortality in the Spanish population

Objective

Make Prevention/Diagnosis/Treatment and Follow up of the patients

Intervention

Euros 1.000 million additional investment 2015-17

Phase 1

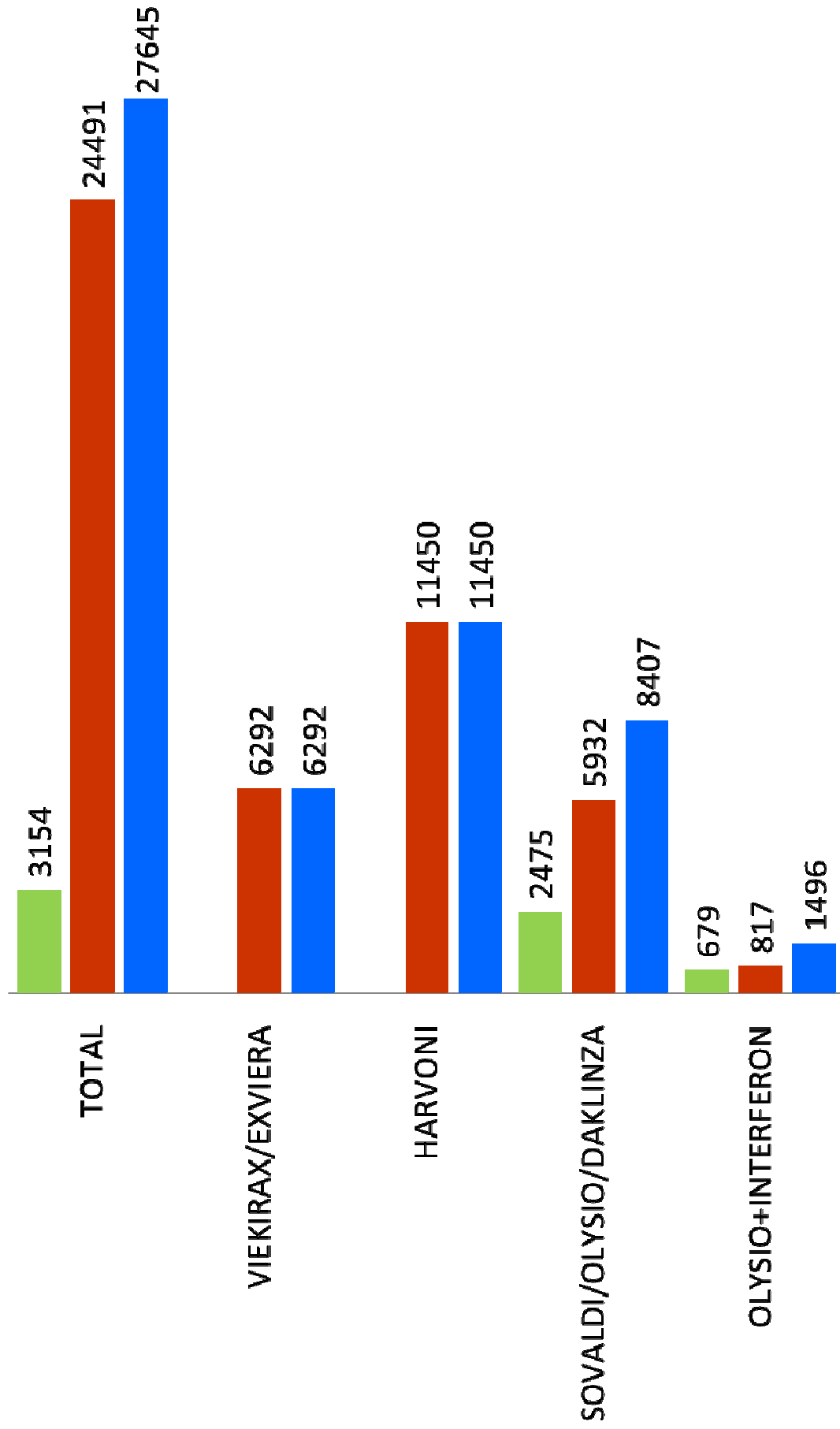
2015-2017



GOBIERNO
DE ESPAÑA

MINISTERIO
DE SANIDAD, SERVICIOS SOCIALES
E IGUALDAD

PATIENTS TREATED IN THE NATIONAL STRATEGIC PLAN 2015



■ PACIENTES TRATADOS ENERO -31 DE MARZO

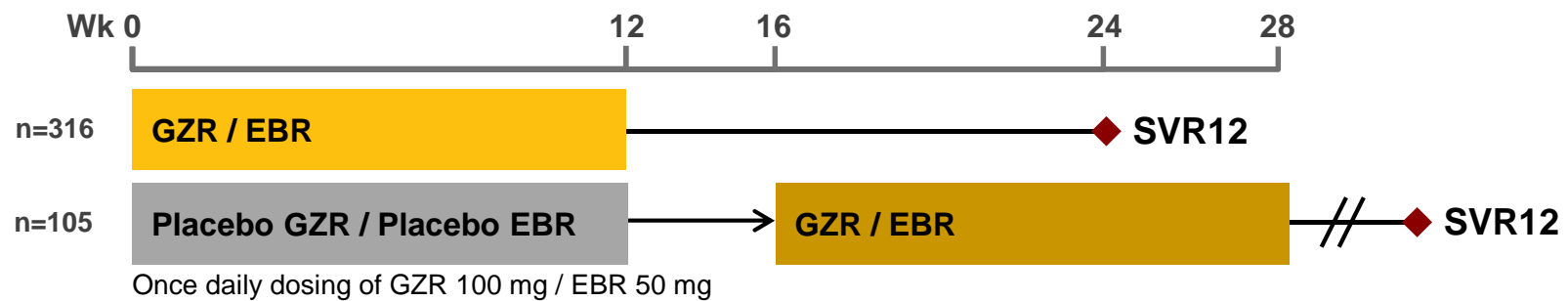
■ PACIENTES TRATADOS 1 ABRIL-30 DE SEPTIEMBRE

■ PACIENTES TRATADOS 1 ENERO - 30 DE SEPTIEMBRE

C-EDGE TN: GZR/EBR for 12 Weeks in TN GT 1, 4, or 6 Patients

Study Design and Demographics

Phase 3, randomized study of grazoprevir (GZR, NS3/4A inhibitor) / elbasvir (EBR, NS5A inhibitor)

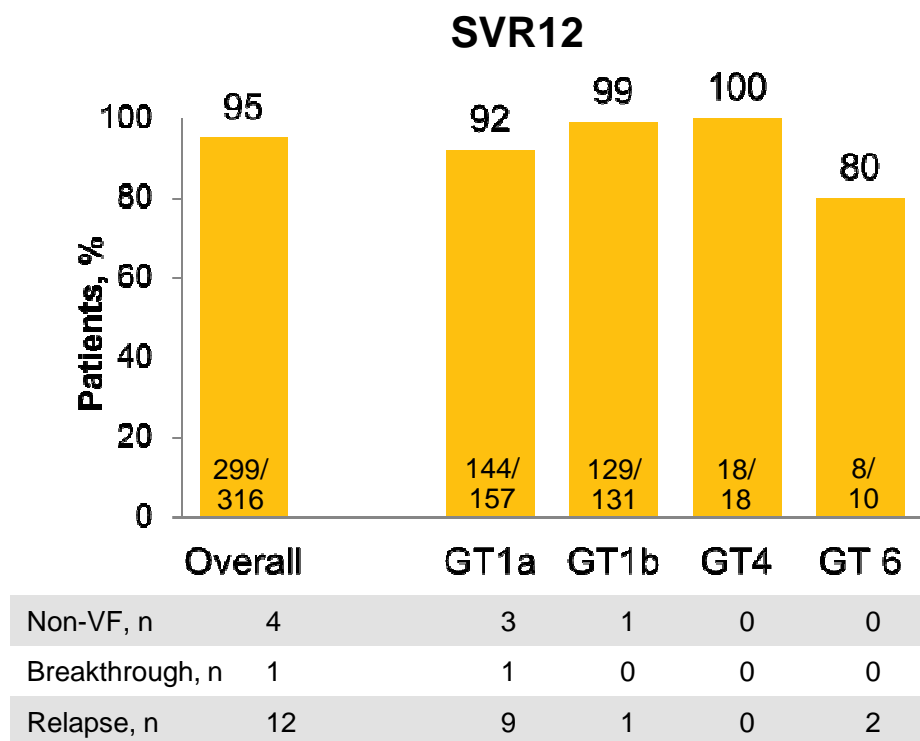


Patients	GZR + EBR n=316	Placebo n=105	Total n=421
Age, years, mean (SD)	52.2 (11.1)	53.8 (11.2)	52.6 (11.2)
Male, n (%)	171 (54)	56 (53)	227 (54)
HCV genotype, n (%)			
1a	157 (50)	54 (51)	211 (50)
1b	131 (42)	40 (38)	171 (41)
4	18 (6)	8 (8)	26 (6)
6	10 (3)	3 (3)	13 (3)
Baseline HCV RNA > 800,000 IU/mL, n (%)	222 (70)	66 (63)	288 (68)
Cirrhosis, n (%)	70 (22)	22 (21)	92 (22)

Zeuzem, EASL, 2015, G07;
Zeuzem, et al. Ann Intern Med
Published Online April 2015

C-EDGE TN: GZR/EBR for 12 Weeks in TN GT 1, 4, or 6 Patients

Efficacy and Safety



Safety Overview

	GZR/EBR n=316	Placebo N=105
SAE, n (%)	9 (3)	3 (3)
D/C due to AE, n (%)	3 (1)	1 (1)
Death	2 (<1)*	0

*1 autopsy documented coronary disease (presumed arrhythmia); 1 strangulated hiatal hernia

- Relapse primarily occurred in GT 1a and GT 6 patients
- Most common AEs: headache, fatigue, nausea, arthralgia

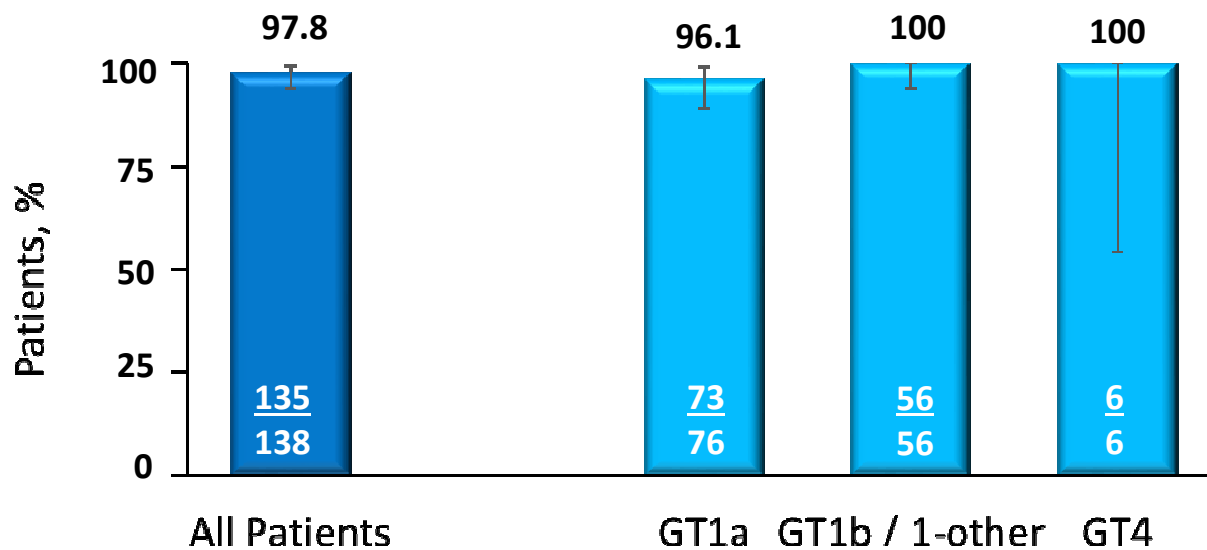
Zeuzem, EASL, 2015, G07;
Zeuzem, et al. Ann Intern Med Published Online April 2015

SVR12: TREATMENT-NAIVE

12 WEEKS, NO RBV (FULL ANALYSIS SET)

Elbasvir (50 mg) Grazoprevir (100 mg)

CIRRHOTIC PATIENTS



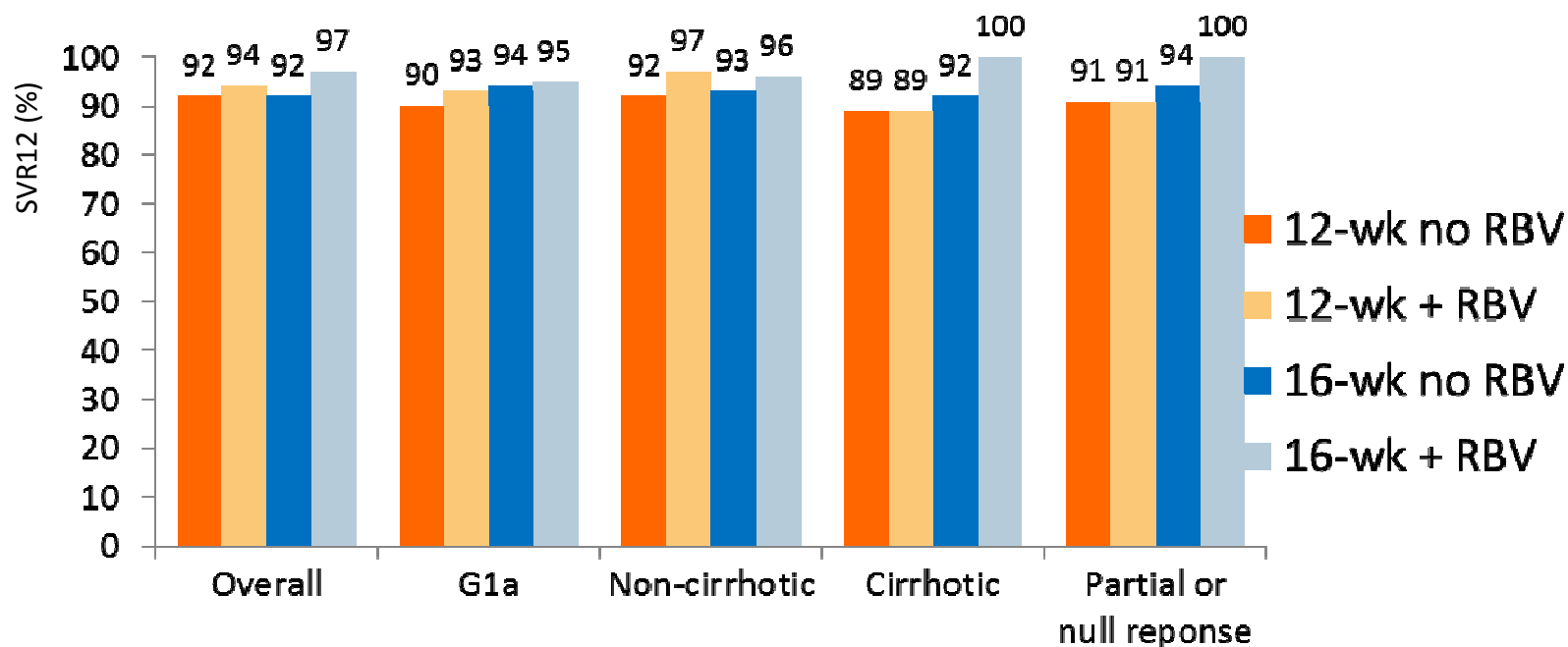
	All Patients	GT1a	GT1b / 1-other	GT4
LTFU/Early Discon.	1*	1*	0	0
SVR12 (mFAS[§])	98.5% (135/137)	97% (73/75)	100% (56/56)	100% (6/6)
Breakthrough	1	1	0	0
Relapse	1	1	0	0

*Death (coronary artery disease)

[§]mFAS (modified full analysis set) excludes patients who discontinued treatment for reasons unrelated to study medication

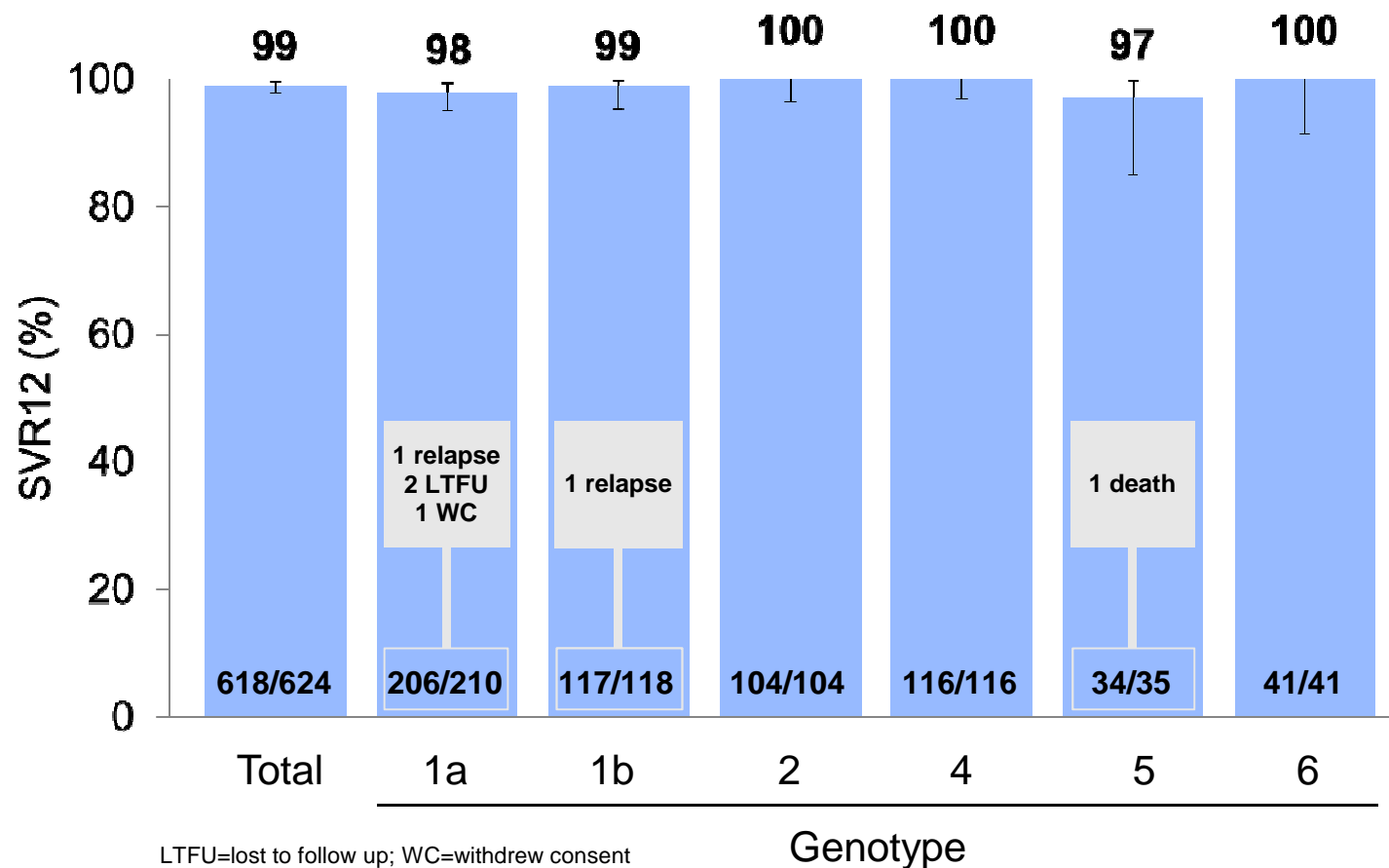
GZR/EBR ± RBV for 12 weeks in G1/4 patients who previously failed PegIFN/RBV: C-EDGE treatment-experienced trial

SVR according to baseline factors



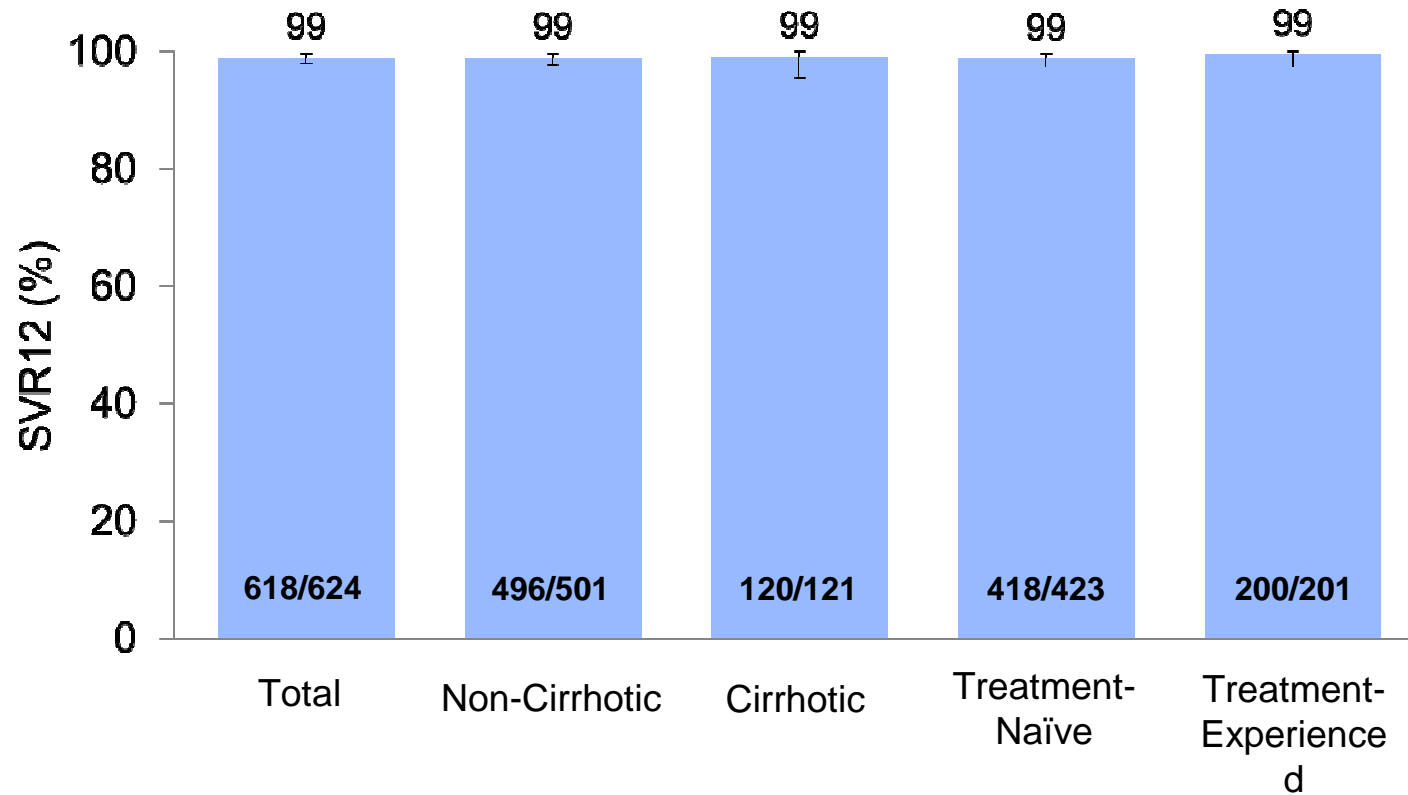
ASTRAL-1: SOF/VEL STR for 12 Weeks in GT 1, 2, 4, 5, 6 HCV-Infected Patients

SVR12 by Genotype



SVR12 by Cirrhosis Status or Treatment History

ASTRAL-1: SOF/VEL STR for 12 Weeks in GT 1, 2, 4, 5, 6 HCV-Infected Patients



Error bars represent 95% confidence intervals.
Feld, AASLD, 2015, LB-2. Feld JJ, et al. *N Engl J Med*. 2015. DOI: 10.1056/NEJMoa1512610

The Real Problem: Under-diagnosis & Under-treatment

- **In wealthy countries - >50% of infected individuals remain undiagnosed!**
 - USA 72%¹
 - France 44-55%²
- **In resource-poor countries – the figures are much more discouraging**
 - Minimal data but very low diagnosis rates