

The SVR10K Hepatitis C study: Final results show 98.9% SVR in 7,000 patients treated with SOF/VEL in Asia, Latin America, Middle East, Nordic and Southern Europe

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Study

Conclusions

- SVR10K study have included more than 7,000 patients from Asia, Middle Eastern and Latin-American regions, as well as Nordic/South Europe regions.
- SVR was achieved in 99% of the treated population, with SVR rates ranging from 97% to 100% in all sites.
- SVR kept high (98%) in the concomitant presence of GT3 and a cirrhotic status for the overall population.
- In 24% of the patients with available Time to Treatment (TT) initiation (n=4,744; 68%), the DAA was initiated in ≤30 days.

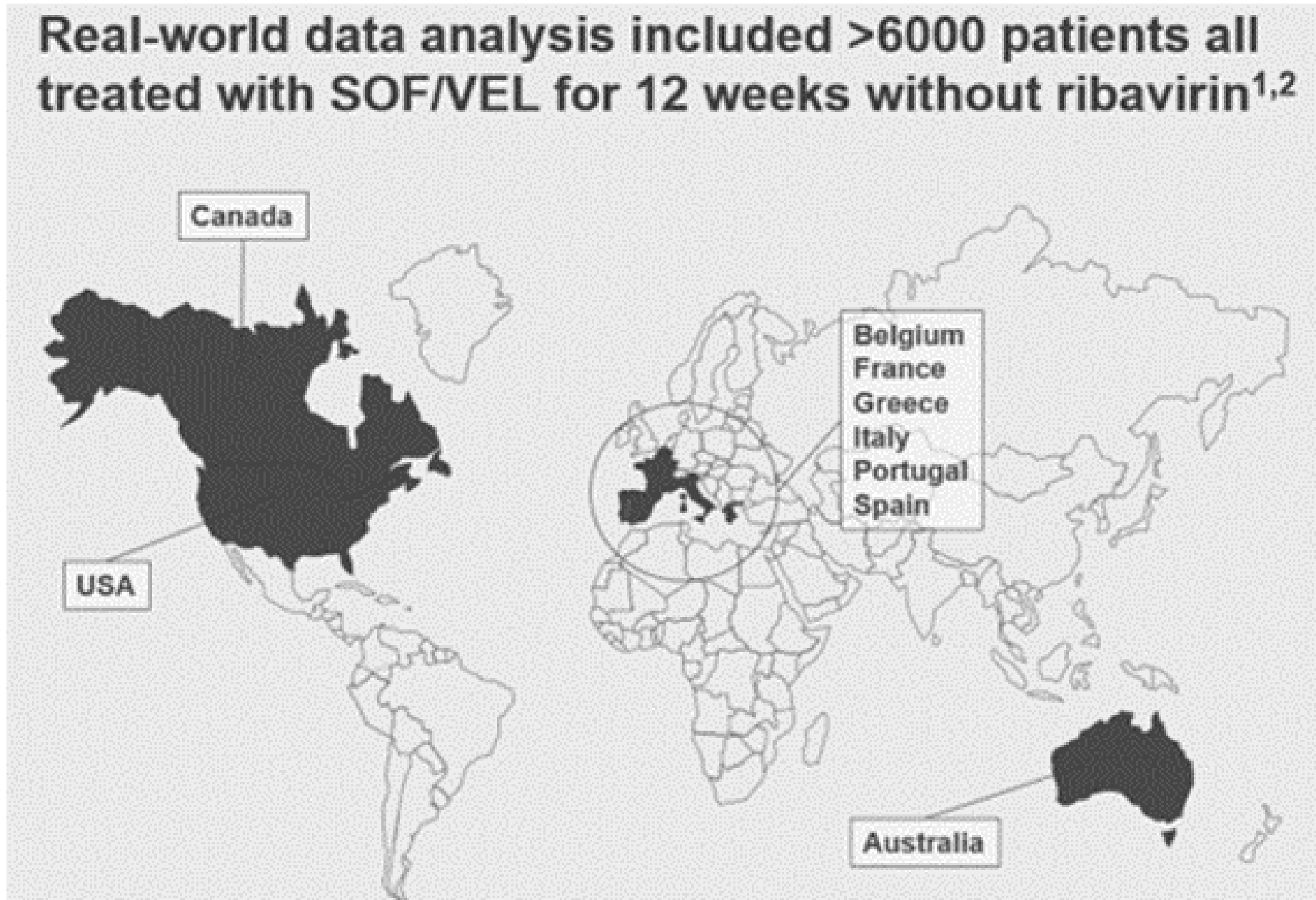
Plain Language Summary

- Results on treatment effectiveness in these new geographies did not differ from real world studies of patients in Western countries, reinforcing the efficacy of pangenotypic/panfibrotic/ pangeographic DAA therapy such as SOF/VEL and supporting the global applicability of HCV treatment guidelines.
- There is a room for improvements in the time to treatment initiation.

Introduction

- A previous real-world data (RWD) analysis demonstrated high effectiveness of sofosbuvir/velpatasvir (SOF/VEL) without ribavirin (RBV) in more than 6,000 HCV patients from different clinical cohorts across Australia, Canada, Europe & USA^{1,2} (**Figure 1**).

Figure 1. Previously published RWD analysis in Western countries and Australia



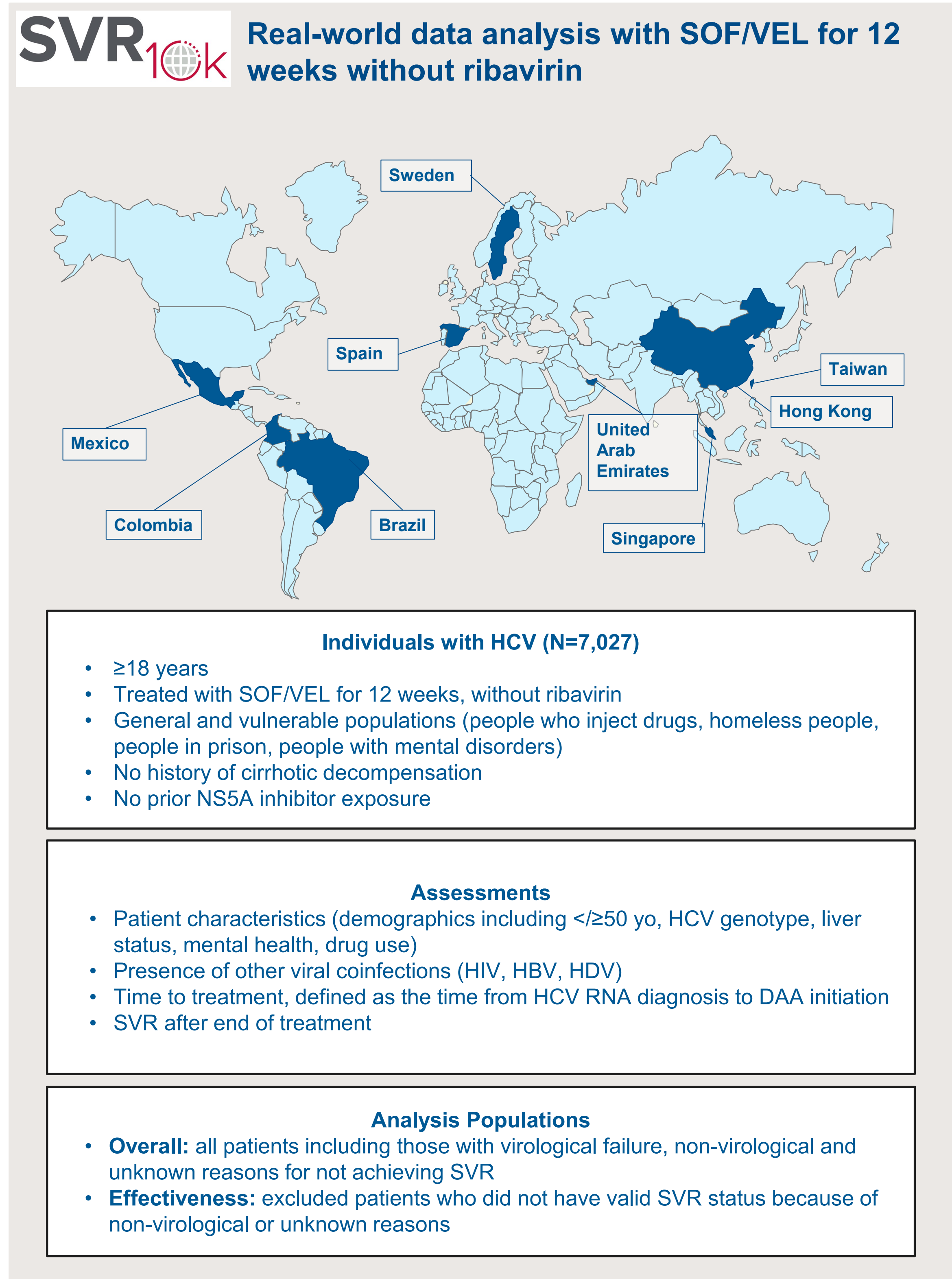
- In that former analysis, irrespective of age, male patients were more likely to have advanced fibrosis and infection with HCV GT 3, and median time to treatment initiation was numerically shorter in male patients across the age spectrum².
- The aim of this large real-world analysis was to evaluate both patient and treatment characteristics in a large global cohort of HCV patients treated with SOF/VEL across five diverse global regions in Asia, Middle Eastern, Europe and Latin-American regions (the SVR10K study).

Methods

- This analysis included patients ≥ 18 years treated with SOF/VEL without ribavirin (RBV) for 12 weeks from 13 sites across Brazil, Colombia, Hong Kong, Mexico, Singapore, Sweden, Spain, Taiwan, and the United Arab Emirates (**Figure 2**).
- Baseline characteristics included age (in categories <≥50 yo), sex, being treatment experienced (TE), presence of cirrhosis (F4, not decompensated), genotype, coinfections (HBV, HDV, HIV), time to treatment initiation (TTI) from HCV diagnosis were described, along with sustained virologic response rates (SVR) (**Figure 2**).

Methods (cont.)

Figure 2. SVR10K Study: Sites participating, inclusion criteria, assessments and analysis populations



Results (Tables)

Table 1. Demographics in the overall population, with minimal and maximum values (and region where those observed)

		Overall n=7,027	Min (Region)	Max (Region)
Age	Mean [SD]	54.8 [13.8]	39.5 [17.3] (ME)	57.0 [12.9] (Asia)
	Median [IQR]	55.1 [46-64]	31.3 [27-52] (ME)	57.0 [48-66] (Asia)
Age group, % (n)	<50 years	34% (2,409)	29% (Asia/South Eu)	72% (ME)
	≥50 years	66% (4,587)	28% (ME)	71% (Asia/South Eu)
Sex, % (n)	Male	65% (4,564)	51% (LATAM)	69% (ME/South Eu)
	Female	35% (2,445)	31% (ME/South Eu)	49% (LATAM)
Coinfections, % (n)	HBV	3.3% (216)	0% (ME)	3.0% (Asia)
	HDV	0.1% (6)	-	0.2% (Asia)
	HIV	4.5% (303)	1.7% (ME)	14.8% (South Eu)
Liver cirrhosis, % (n)	Yes	21.5% (1,341)	18% (Nordics)	33.9% (LATAM)
Genotype, % (n)	GT1	30.2% (2,125)	15.3% (Nordics)	48.7% (ME)
	GT2	16.9% (1,187)	1.7% (ME)	25.8% (Nordics)
	GT3	30.1% (2,117)	14.4% (LATAM)	56.6% (Nordics)
Treatment exp, % (n)	Yes	5% (339)	0% (ME)	11% (Nordics)

n: # of patients; SD: Standard Deviation; IQR: Interquartile Range; TE: Treatment Experienced; HBV: Hepatitis B; HDV: Hepatitis D; HIV: Human Immunodeficiency Virus; South Eu: South Europe; ME: Middle-East; LATAM: Latin American region

Table 2. Time to Treatment Initiation (TT), with minimal and maximum values (and region where those observed)

		Overall n=4,744	Min (Region)	Max (Region)
TT, %	<1 day	10.4%	5.1% (LATAM)	17.8% (Asia)
	1-7 days	4.6%	0% (ME)	11.8% (LATAM)
	8-30 days	8.9%	1.5% (Nordics)	14.4% (South Eu)
	31-90 days	9.7%	6% (Asia)	40.3% (ME)
	91-180 days	9.9%	4.5% (Asia)	24.4% (ME)
	> 180 days	56.7%	13.4% (ME)	77% (Nordics)

TT: Time to Treatment DAA initiation; n: # of patients

Table 3. SVR in the effectiveness population, with minimal and maximum values (and region where those observed)

		Overall n=6,461	Min (Region)	Max (Region)
SVR (mITT)***, % (n)	SVR overall	99% (6,387)	97% (Nordics)	100% (ME)
	SVR in GT3	98% (1,989)	96% (Nordics)	100% (ME/Asia)
	SVR in CC	99% (1,246)	96% (Nordics)	100% (ME/Asia)
	SVR in GT3 & CC	98% (406)	93% (Nordics)	100% (ME/Asia)

n: # of patients; SVR: Sustained Virological response (rounded); GT3: Genotype 3 HCV infection; CC: Cirrhotic patients; ***Within effectiveness population only

EASL Session: Poster - Viral hepatitis C: Therapy and resistance

References: 1. Mangia A et al. *Liver Int* 2020;40:1841-52; 2. Mangia A et al. *EASL* 2022; Poster FRI384

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