

**Hepelisav-B vs Engerix-B in Healthy Adults, Aged 40-70 Years
HBV-16 Trial**

Heplisav-B Vaccine versus Engerix-B Vaccine in Healthy Adults Aged 40-70 Years HBV-16 Trial: Study Design

- **Design**

- Phase 3 randomized observer-blinded controlled trial to compare the safety and efficacy of Heplisav-B versus Engerix B vaccines in healthy adults 40-70 years of age

- **Participants** n = 2,4520

- Ages: 40-70 years
- HBV vaccine naïve
- Exclusions: HBV*, HIV, pregnancy or lactation, autoimmune or other clinically significant illness, immunosuppressed

- **Setting**

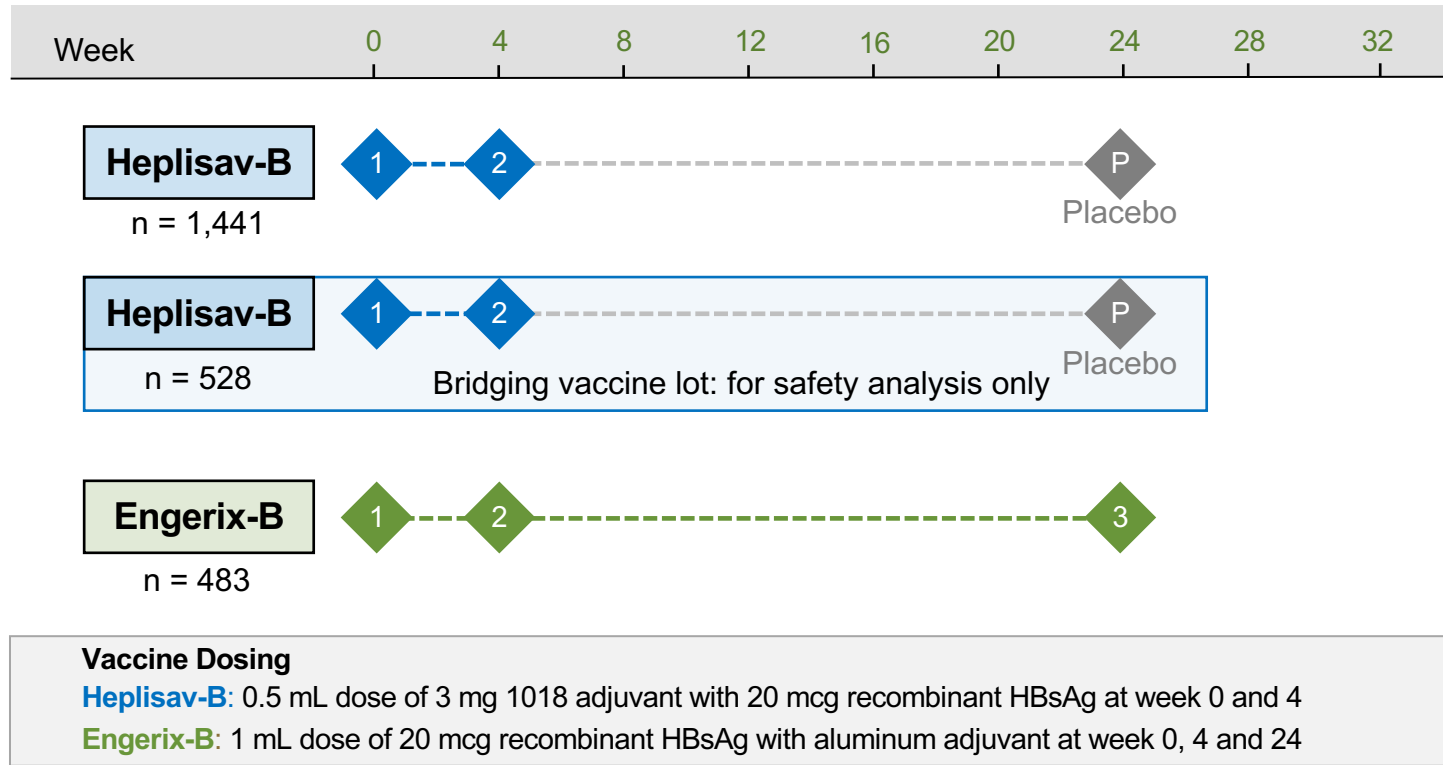
- Multiple centers in United States & Canada

- **Study End-Point**

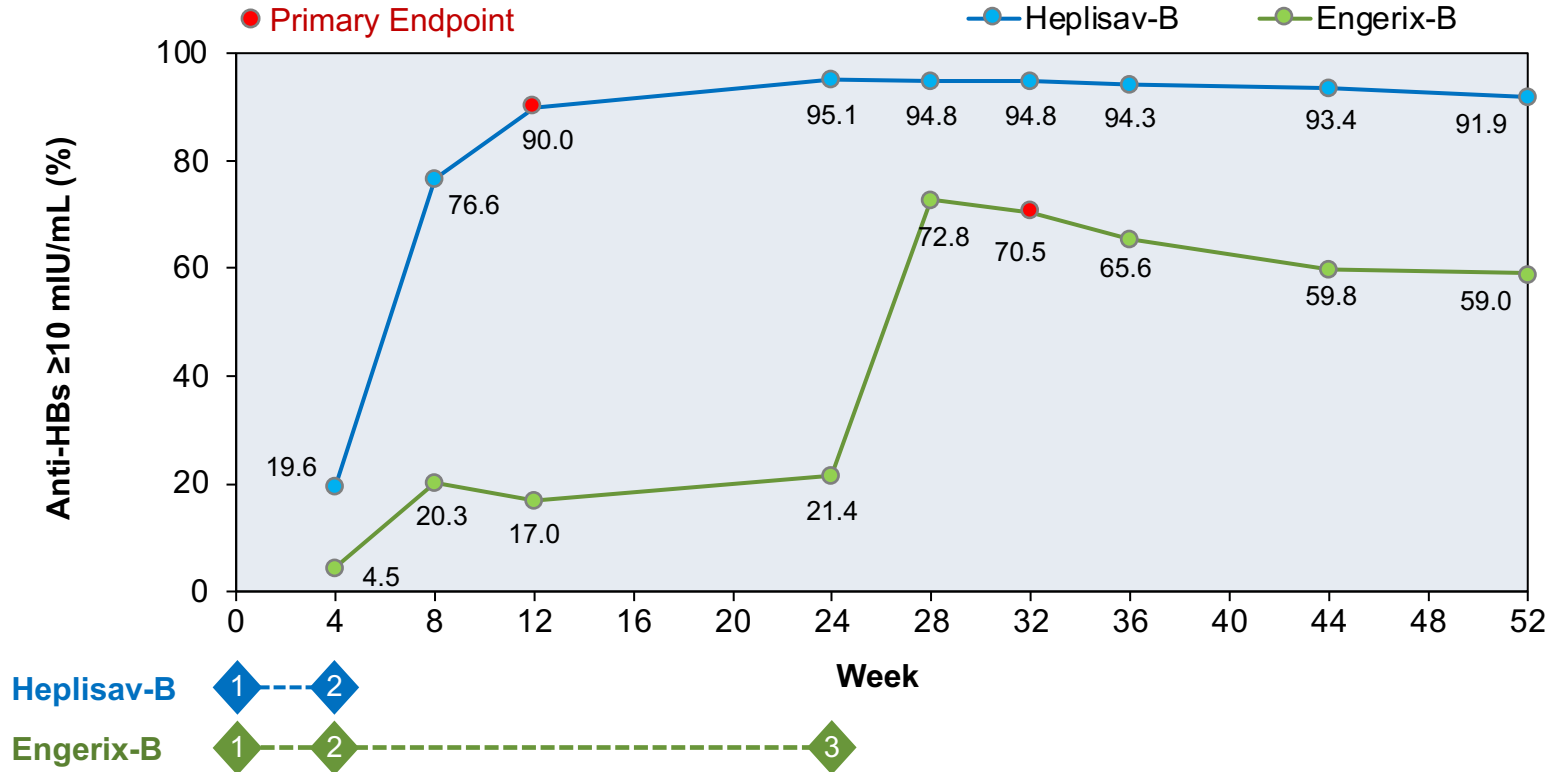
- Seroprotection = anti-HBs level ≥ 10 mIU/mL

*Any positive test for HBsAg, anti-HBs, or anti-HB core

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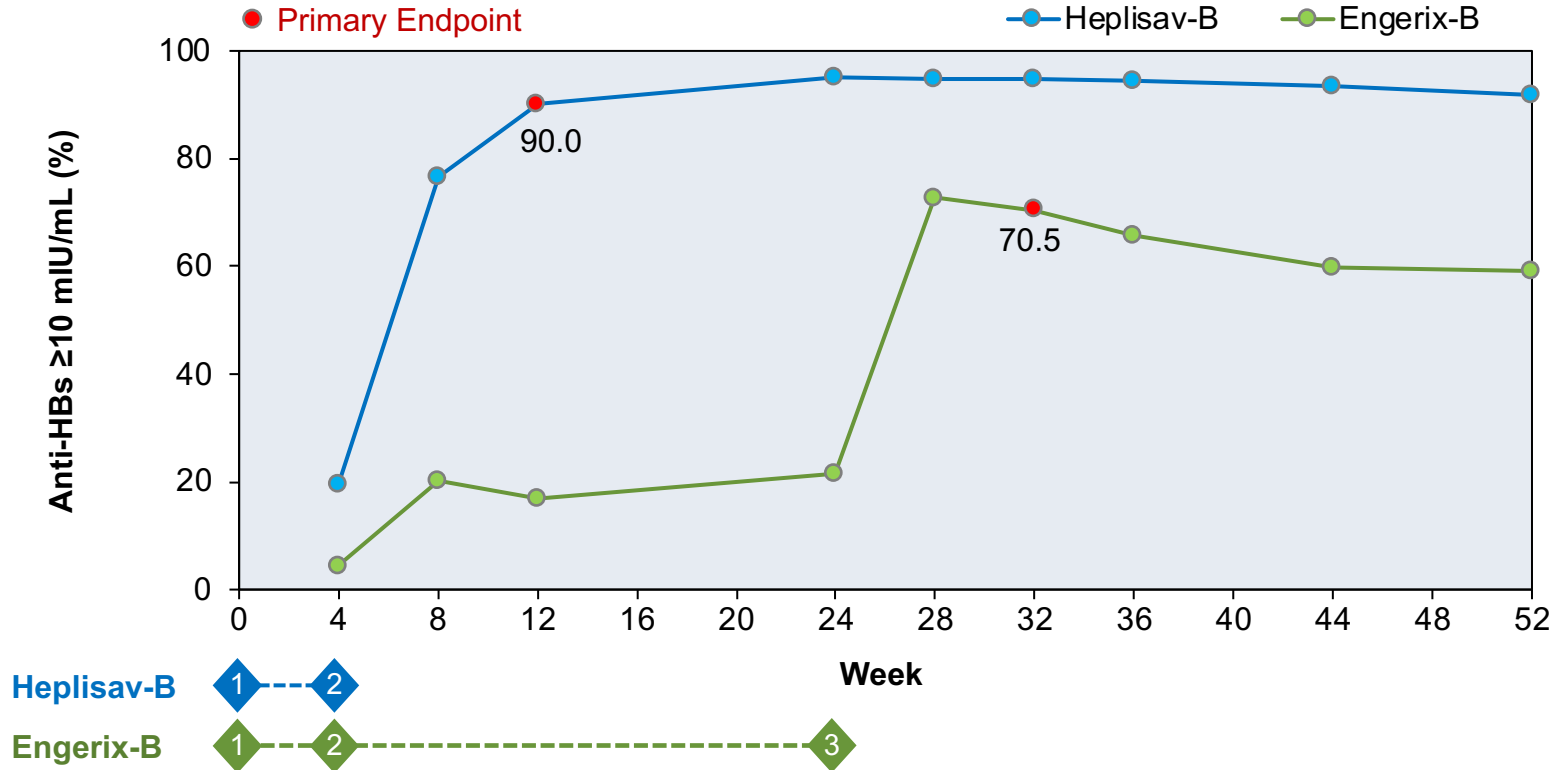


Heplisav-B Vaccine versus Engerix-B Vaccine in Healthy Adults Aged 40-70 Years HBV-16 Trial: Results



Source: Heyward WL, et al. Vaccine. 2013;31:5300-5.

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Heplisav-B Vaccine versus Engerix-B Vaccine in Healthy Adults Aged 40-70 Years HBV-16 Trial: Adverse Reactions

Adverse Event, no. (%)	Heplisav-B (n = 1,968)	Engerix-B (n = 481)
Local reaction (among n=1953)		
Total	666 (34)	154 (32)
Severe	11 (0.6)	3 (0.6)
Systemic reaction (among n=1953)		
Total	586 (30)	166 (35)
Severe	42 (2)	19 (4)
Any related adverse event (AE)	142 (7)	29 (6)
Any related severe AE (grade 3 or above)	0	1 (0.2)
Any AE leading to study discontinuation	17 (0.9)	2 (0.4)
Death	1 (0.05)	1 (0.2)

Source: Heyward WL, et al. Vaccine. 2013;31:5300-5.

Hepelisav-B Vaccine versus Engerix-B Vaccine in Healthy Adults Aged 40-70 Years HBV-16 Trial: Conclusions

Conclusions: “When compared to the HBsAg-Eng three-dose regimen given at 0, 1, and 6 months, HBsAg-1018 demonstrated superior seroprotection with only two doses at 0 and 1 month. The safety profile of HBsAg-1018 was comparable to that of the licensed vaccine, HBsAg-Eng. HBsAg-1018 would provide a significant public health contribution toward the prevention of hepatitis B infection.”

This slide deck is from the University of Washington's
Hepatitis B Online and *Hepatitis C Online* projects.

Hepatitis B Online

www.hepatitisB.uw.edu

Hepatitis C Online

www.hepatitisC.uw.edu

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