

# Hep B Consult: A Point-of-Care Interactive Decision Support Tool Delivers Real-Time, Personalized, HBV Guideline-Based Teaching



Produced in collaboration with



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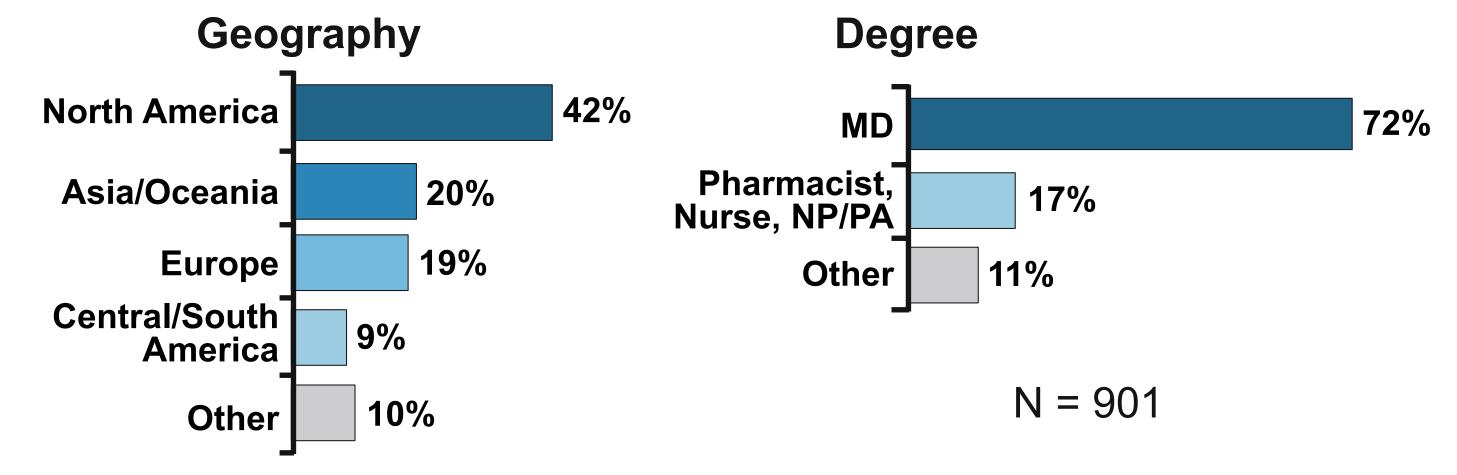
### 1. Background

- We previously identified variance in HBV management strategies between community clinicians and experts<sup>[1]</sup>
- Here, we developed a comprehensive online decision support tool based on American, European, and Asian Pacific guideline recommendations
- Tool is available as an app and on the CCO Web site

### 2. Participant Demographics

- From March through October 2019, N = 3371 participants entered cases into the tool
  - n = 2470 participants via the app (anonymous)
  - n = 901 participants via the CCO site (authenticated)

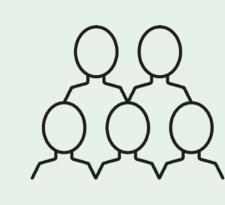
### **Authenticated Participants**



### 3. Cases Entered

8015
Total Cases
Entered
by Clinicians

5067
Cases Entered
Cases With
Clear Guidelines



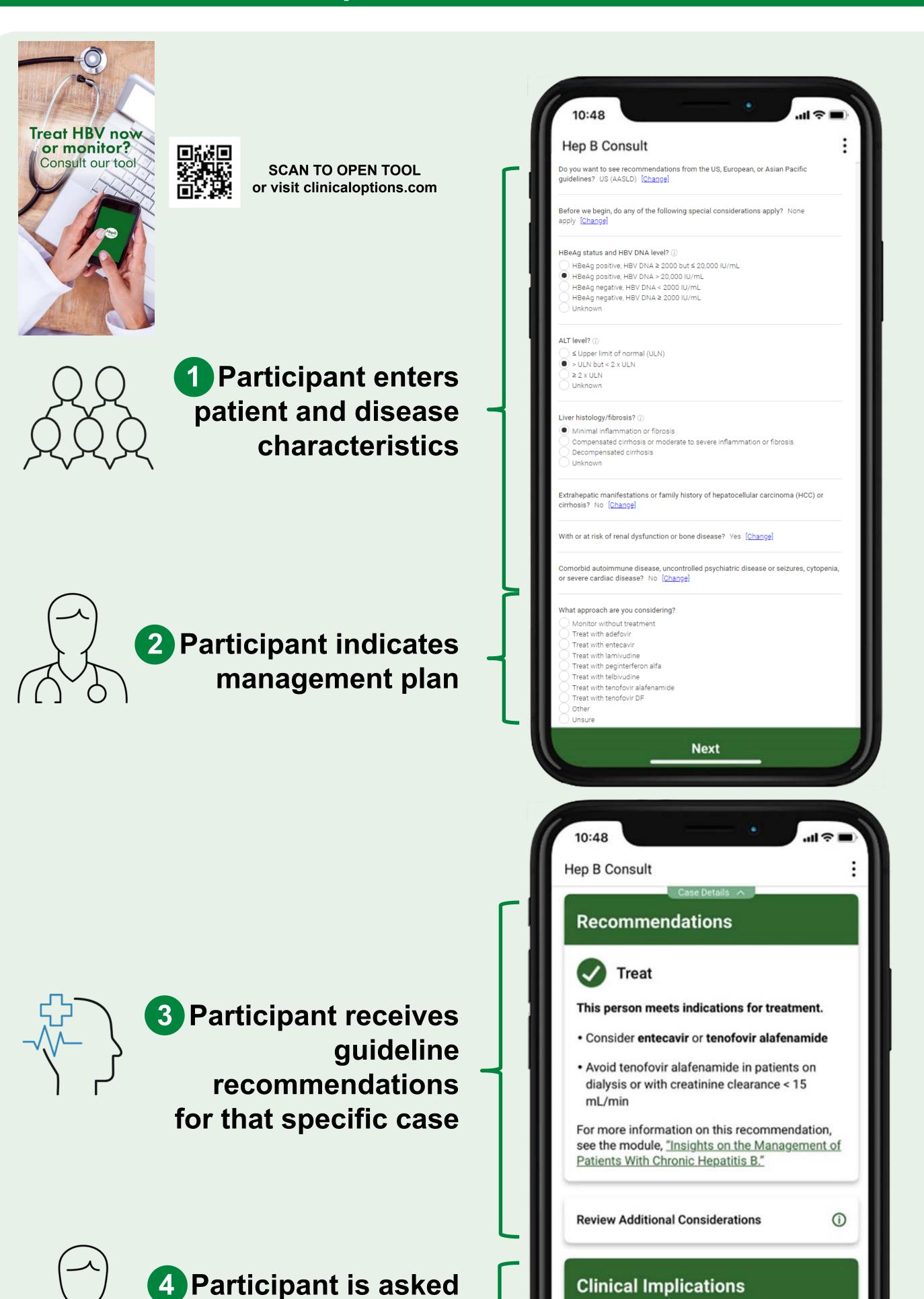
Of 2478 cases where participants specified:

- 55% were real patients
- 45% were hypothetical cases
- In 28% of all cases, participants selected a management plan without knowing one of the following factors:
  - HBeAg status
- Extrahepatic manifestations
- ALT and HBV DNA
- Bone or renal disease
- Liver histology/fibrosis
   Other comorbidities
- In these cases, the tool provided education on why these patient characteristics are needed before deciding how to manage the patient

Reference: 1. Schwartz. AASLD 2018. Poster 406. https://www.clinicaloptions.com/publications/2018/11\_2018\_san\_francisco\_hbv\_poster

**Disclosures:** \*None. †Funds for research support from Gilead Sciences and Merck Sharp & Dohme; consulting fees from Arbutus, Gilead Sciences, and Vir Biotechnology. ‡Consulting fees from AbbVie, Arrowhead, Bristol-Myers Squibb, Gilead Sciences, and Quest; funds for research support from Assembly, Bristol-Myers Squibb, and Gilead Sciences; served on a data and safety monitoring board for Johnson & Johnson. § Consulting fees from Gilead Sciences and Janssen; funds for research support from Gilead Sciences; speaker bureaus for Abbott, AbbVie, Bristol-Myers Squibb, Echosens, Furui, Gilead Sciences, Janssen, and Roche.

## 4. Online Decision Support Tool Provides Patient-Specific Recommendations



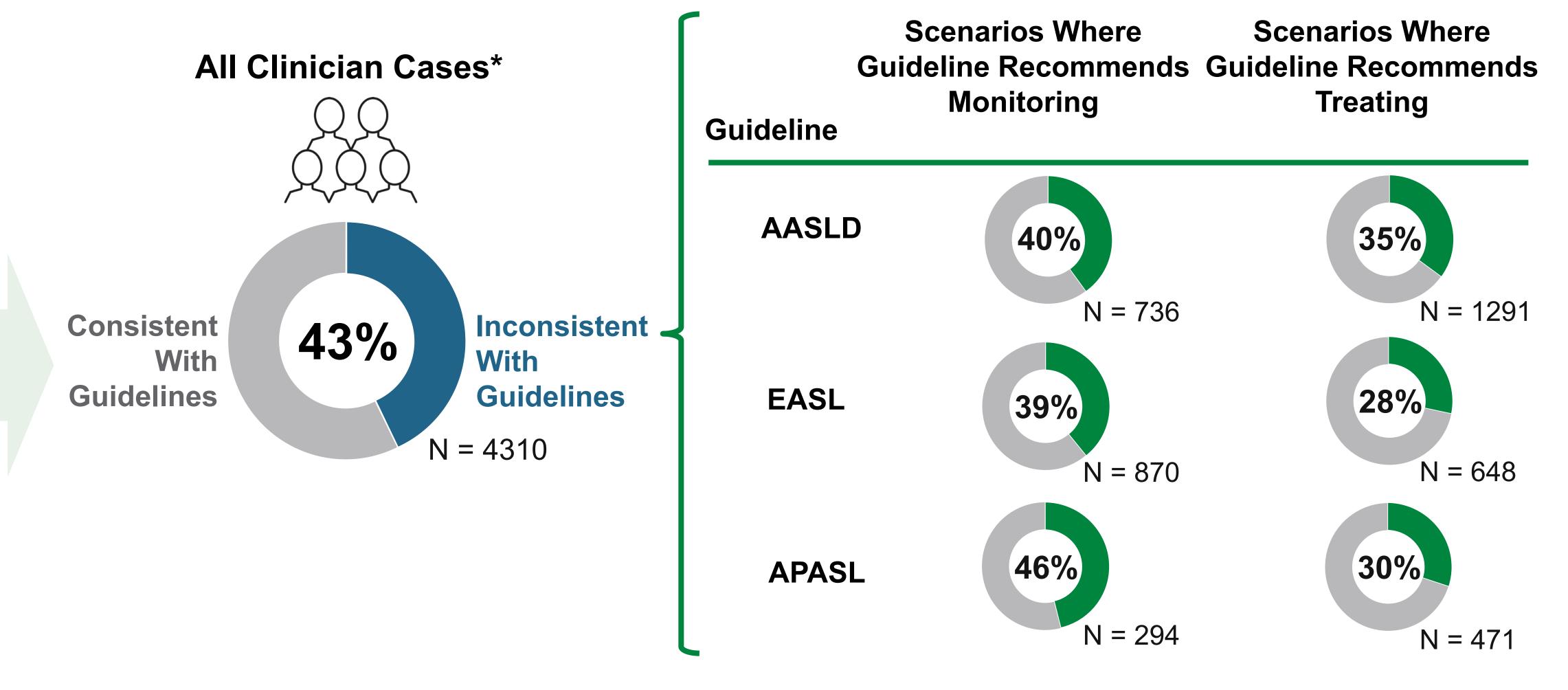
# changed their management plan No; I already intended to do what the recommendations say

Start New Case

Did the recommendations change your

management choice?

### 5. Baseline Management Plan





Inconsistent with guidelineConsistent with guideline

treat or monitor:
Inconsistent with guideline

Clinician's plan of whether to

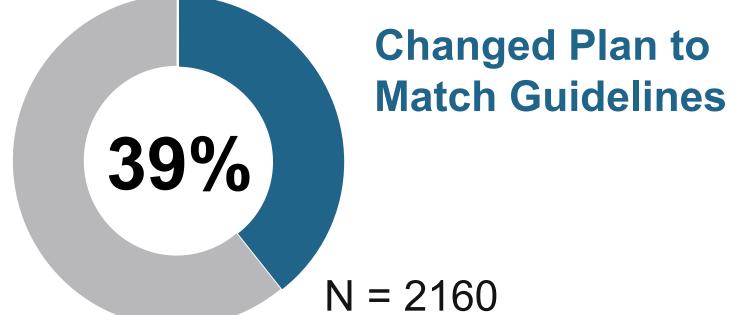
Consistent with guideline

\*Excludes scenarios where guideline recommendation is indeterminate.

### 6. Posteducation Impact

### Subset of Clinician Cases Where Baseline Plan Differed From Guidelines and Clinician Identified Future Plan

Did Not Change Plan Owing to Barriers, Still Unsure





#### 7. Conclusions

- This online decision support tool showed that clinicians' initial HBV management plans of whether to treat and what to treat with differed from guidelines for 43% of case scenarios
- Using an online tool changed the intended treatment plan for many participants, suggesting the tool's use can help optimize care of patients with chronic HBV infection

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if guideline

recommendations