

Assessing the Frequency of Hepatitis Delta Virus Screening in Chronic Hepatitis B Patients

Results from an Interactive Decision Support App in Alignment with AASLD Guidelines

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The authors have no relevant financial relationships to disclose.

Background

- Under the AASLD guidelines for people with CHB, when determining the need for further HDV evaluation and treatment decisions, HCPs must apply risk-based discretion, considering factors such as low HBV DNA level and elevated ALT level as well as coinfection with HCV and/or HIV.
- A point-of-care app, *Hep B Consult*, was developed for HCPs to receive **patient-tailored guideline recommendations** based on HCP-entered patient case data.



Aim

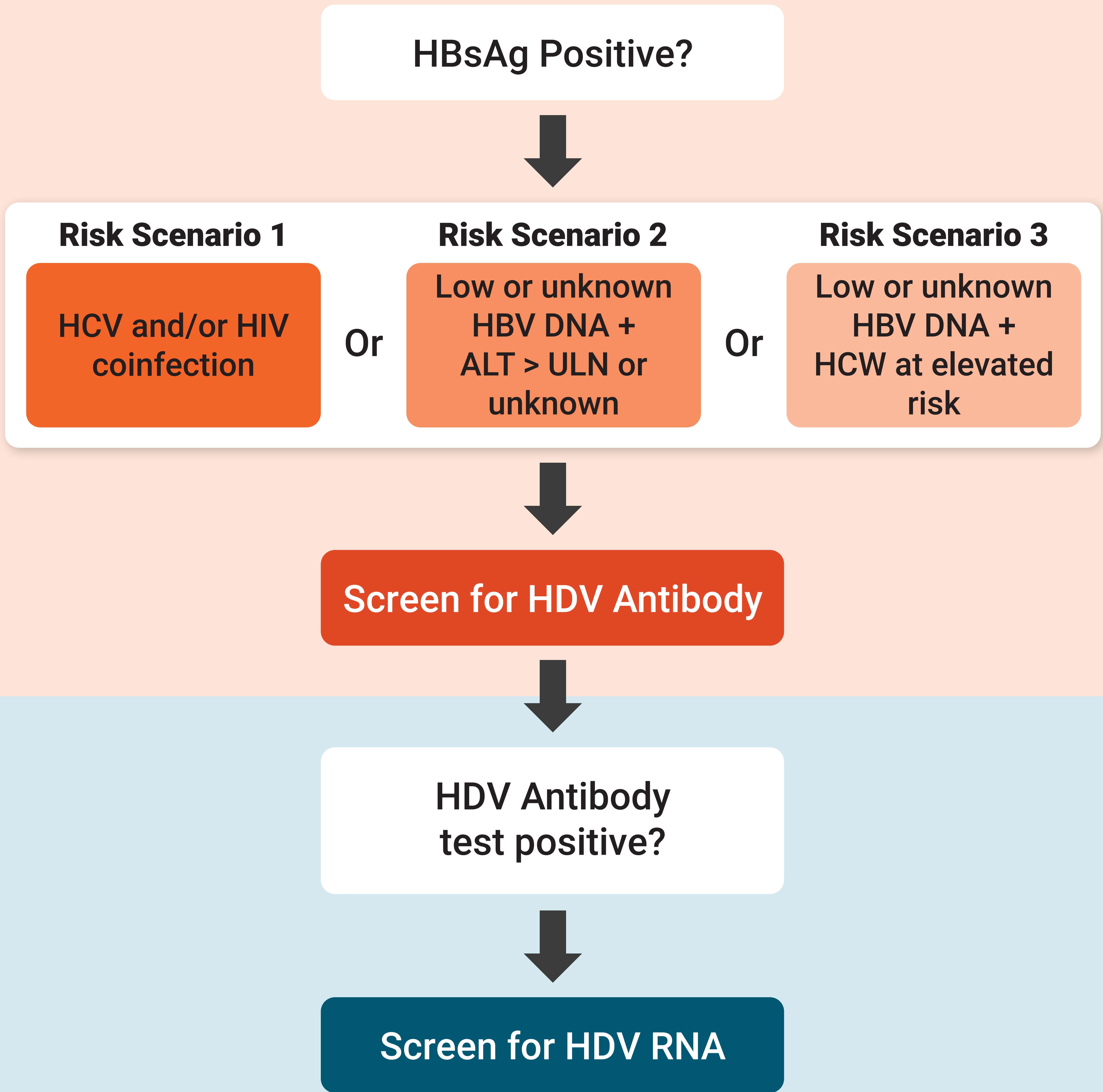
- Use the *Hep B Consult* app results to examine whether HCPs following AASLD guidance were appropriately screening patients with risk factors for HDV.

Cases Entered

- 2170 cases** were entered by **918 HCP learners** into the *Hep B Consult* app between March 3, 2023, and May 13, 2025, after choosing AASLD as their preferred guidance. Among these, **430** met AASLD criteria for HDV screening.

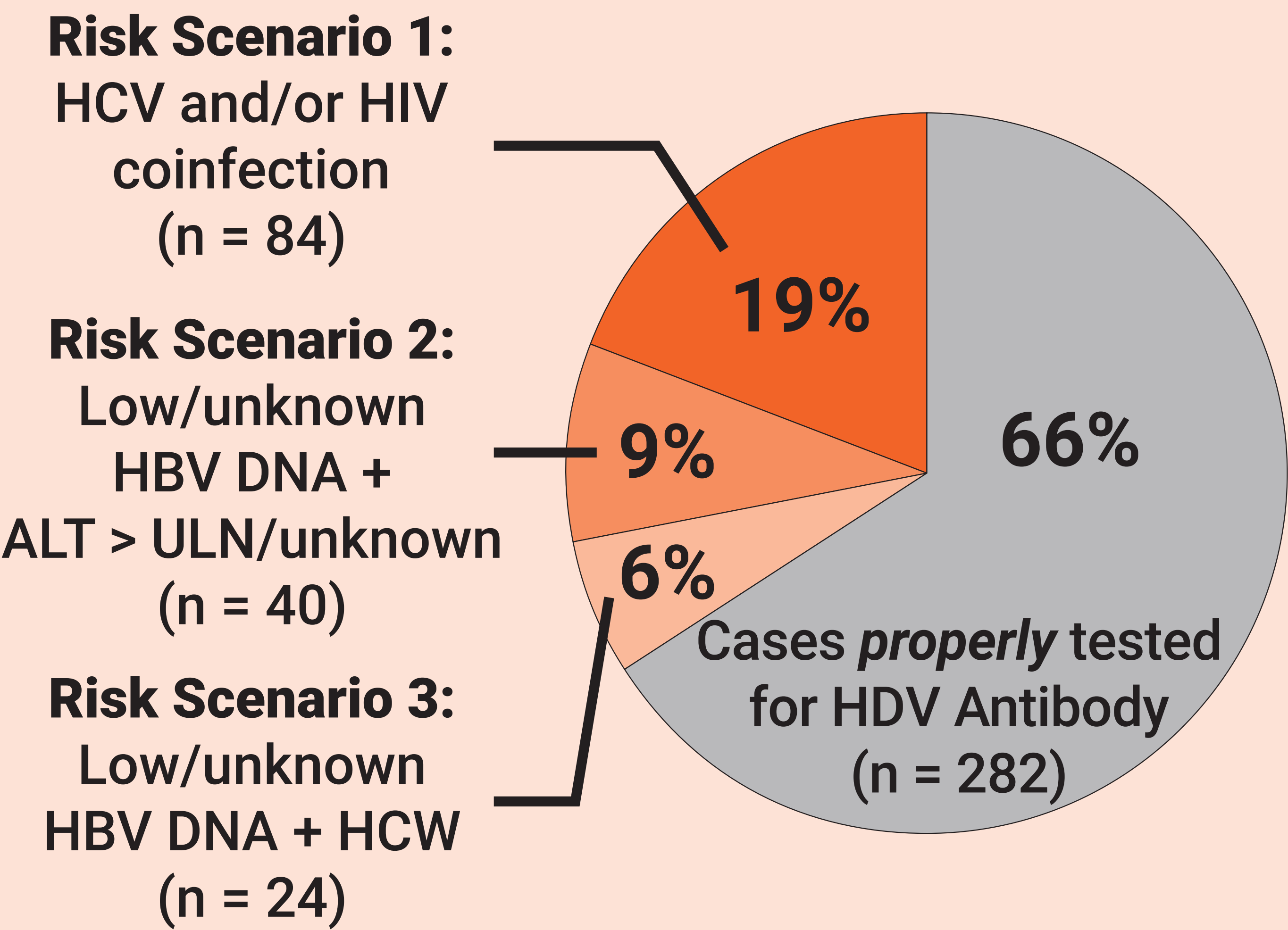
ALT, alanine aminotransferase; AASLD, American Association for the Study of the Liver; CHB, chronic hepatitis B; HBsAg, hepatitis B surface antigen; HBV, hepatitis B virus; HCP, healthcare professional; HDV, hepatitis delta virus; HCV, hepatitis C virus; HCW, healthcare worker; RNA, ribonucleic acid; ULN, upper limit of normal

Screening Guidelines...



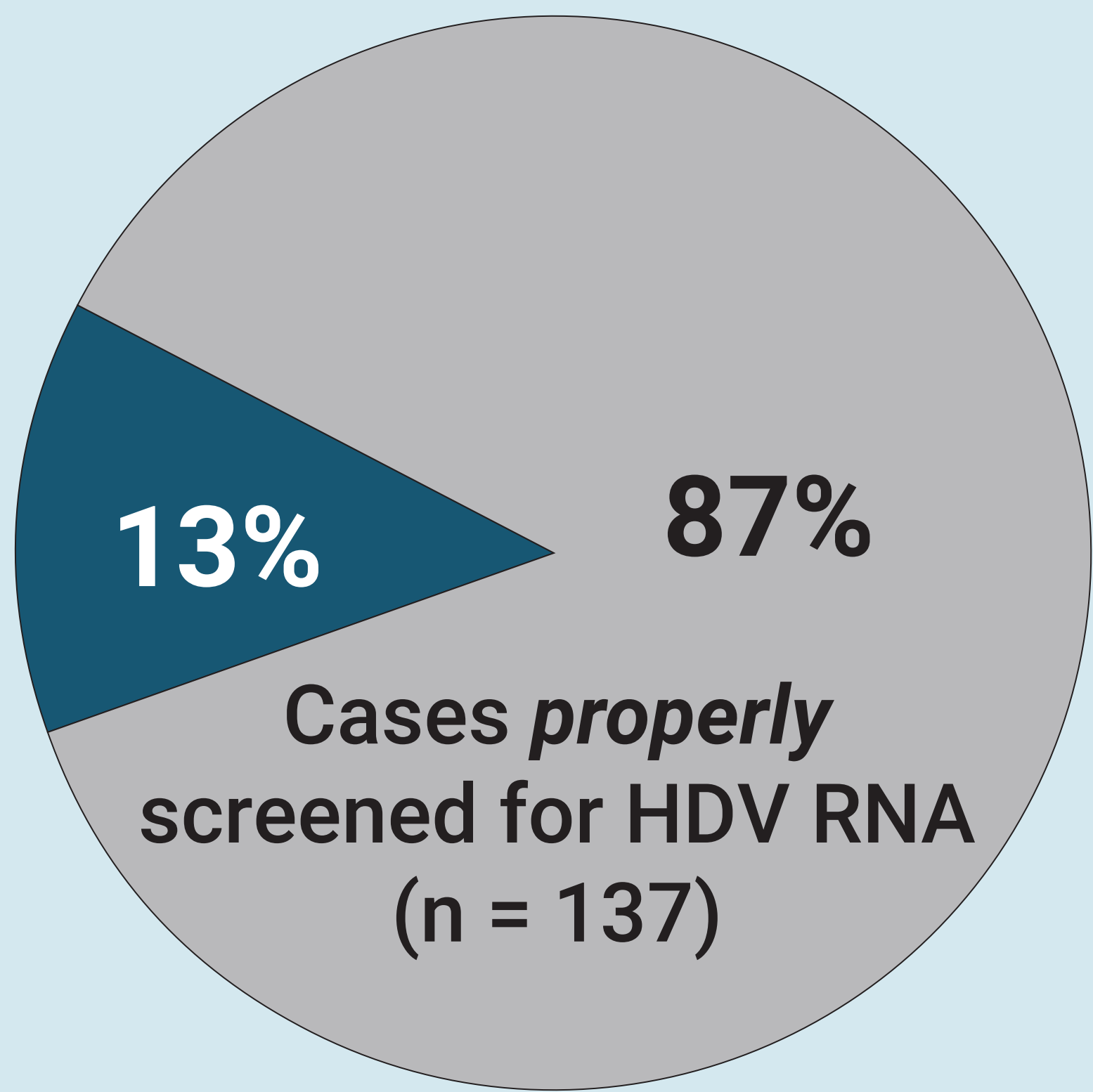
...And Failures

Percentage of Cases With Risk Factors but Not Screened for HDV Antibody (n = 430)



34%
(148 cases)
were **not properly**
tested for HDV
Antibody

Percentage of Cases With HDV Antibody but Not Screened for HDV RNA (n = 158)



13%
(21 cases)
were **not properly**
tested for HDV RNA

Conclusion

- HCPs who used the *Hep B Consult* app to enter a patient case did not demonstrate comprehensive patient workup of **HDV status**.
- Just over **one third** of CHB patient cases meeting guideline-based criteria for HDV screening were not screened, highlighting a significant care gap.
- This behavior is **not aligned** with AASLD HDV guidance, which recommend an initial anti-HDV test in all patients where there are risk factors or any uncertainty regarding the need to test.

More Information

