



Screening for NASH – FIB-4

Fibrosis-4 (FIB-4) Index for Liver Fibrosis

Noninvasive estimate of liver scarring in HCV and HBV patients, to assess need for biopsy.

When to Use 	Pearls/Pitfalls 	Why Use 
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Age years

Use with caution in patients <35 or >65 years old, as the score has been shown to be less reliable in these patients

AST U/L
Aspartate aminotransferase

ALT U/L
Alanine aminotransferase

Platelet count $\times 10^3/\mu\text{L}$ 

1.75 points

Further investigation needed
Approximate fibrosis stage: Ishak 2-3 (Sterling et al 2006)

FIB-4 screening is quick and simple, tracks changes over time

(mdcalc.com/calc/2200/fibrosis-4-fib-4-index-liver-fibrosis).

FIB-4 estimates risk of hepatic cirrhosis (age 35+):

- ▶ Calculated by imputing:
 - ▶ Age
 - ▶ plasma aminotransferases (AST and ALT)
 - ▶ and platelet count
- ▶ **FIB-4 Risk Levels**
 - ▶ Lower risk is <1.3
 - ▶ Intermediate 1.3 to 2.67
 - ▶ High risk >2.67
 - ▶ considered as having a high probability of advanced fibrosis (F3–F4).