**Legend of online supplementary materials**

**Table, Supplemental Digital Content 1.** Number of included patients according to the country and center.

\* Recruiting hospital sites in Addendum, Supplemental Digital Content 10

**Table, Supplemental Digital Content 2.** Baseline laboratory variables of included patients.

INR: International normalized ratio; AST: aspartate aminotransferase, ALT: alanine aminotransferase, AP: alkaline phosphatase, GGT: gamma glutamyl transferase

**Table, Supplemental Digital Content 3.** Significant differencesin prognostic scoresbetween the countries and the global cohort (country vs, global cohort).

#p<0.05 \*p<0.001

MELD: model for end-stage liver disease, mDF: Maddrey’s discriminant function, GAHS: Glasgow alcoholic hepatitis score, ABIC: age, bilirubin, international normalized ratio and creatinine score

**Table, Supplemental Digital Content 4.** ROC curves to predict mortality at 28 and 90 days excluding the cohort of patients from UK.

MELD: model for end-stage liver disease, mDF: Maddrey’s discriminant function, GAHS: Glasgow alcoholic hepatitis score, ABIC: age, bilirubin, international normalized ratio and creatinine score, AUC: area under curve, CI: confidence interval

**Table, Supplemental Digital Content 5.** Comparison of AUROCs between scores excluding the cohort of patients from UK.

MELD: model for end-stage liver disease, mDF: Maddrey’s discriminant function, GAHS: Glasgow alcoholic hepatitis score, ABIC: age, bilirubin, international normalized ratio and creatinine score

**Table, Supplemental Digital Content 6.** Univariate Cox regression analysis for the prediction of 28 and 90-day mortality in AH.

\* Non-significant: race, platelets, AST/ALT ratio

\*\* Not significant: platelets, AST/ALT ratio, AP

MELD: model for end-stage liver disease, mDF: Maddrey’s discriminant function, GAHS: Glasgow alcoholic hepatitis score, ABIC: age, bilirubin, international normalized ratio and creatinine score, GGT: gamma glutamyl transferase, INR: International normalized ratio, AST: aspartate aminotransferase, ALT: alanine aminotransferase, AP: alkaline phosphatase

**Table, Supplemental Digital Content 7.** Multivariate Cox regression analysis for the prediction of 28 and 90-day mortality in AH.

\* The multivariate Cox regression analysis included those variables with a p-value less than 0.001 on the univariate analysis for 28 and 90-days mortality.

INR: International normalized ratio, AST: aspartate aminotransferase

**Figure, Supplemental Digital Content 8.** Association between Inequality-adjusted human development index (IHDI) and mortality at 28 and 90 days.

IHDI: Inequality-adjusted human development index

**Addendum, Supplemental Digital Content 9.** Human Development Index (HDI) and the Inequality-adjusted HDI (IHDI) by country.

HDI: Human development index, IHDI: Inequality-adjusted human development index

**Addendum, Supplemental Digital Content 10.** Recruiting hospital sites of STOPAH cohort.