**S1 Table. List of covariates adjusted in regression models**

|  |  |
| --- | --- |
| Demographics | Age |
|  | Gender |
|  | Race |
|  | Insurance |
| Liver severity | Compensated cirrhosis |
|  | Decompensated cirrhosis |
|  | Liver transplant |
|  | Hepatocellular carcinoma |
| Comorbidity | Charlson comorbidity index (CCI) socre  |
|  | Cardiovascular diseae  |
|  | Diabetes |
|  | Hyperlipidemia |
|  | Hypertension |
|  | Chronic kidney disease |
|  | Chronic obstructive pulmonary disease |
| Health and behavioral risks | Alcohol abuse |
|  | Drug abuse |