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| **Supplementary Table 5.** **Associations between autosomal mosaic chromosomal alterations (mCAs) and the risk of redefined cirrhosisc (N=448,621)** |
| 　　 | **Number of participants with mCA events/number of participants (%)** | **Univariable Model** | **Multivariable Modela** | **Multivariable Modelb** |
| **Individuals with cirrhosis** | **Individuals without cirrhosis** | **HR (95% CI)** | ***p* value** | **HR (95% CI)** | ***p* value** | **HR (95% CI)** | ***p* value** |
| **Cirrhosis** |  |  |  |  |  |  |  |  |
| All detectable mCAs | 109/2130 (5.11%) | 15861/446491 (3.55%) | 1.50 (1.23-1.81) | <0.001 | 1.31 (1.08-1.59) | 0.006 | 1.31 (1.11-1.54) | 0.001 |
| Gain | 14/2035 (0.69%) | 1920/432550 (0.44%) | 1.61 (0.95-2.73) | 0.075 | 1.30 (0.77-2.21) | 0.322 | 1.30 (0.83-2.03) | 0.253 |
| Loss | 21/2042 (1.03%) | 2760/433390 (0.64%) | 1.68 (1.09-2.58) | 0.018 | 1.43 (0.93-2.20) | 0.104 | 1.37 (0.96-1.97) | 0.083 |
| Copy-neutral loss of heterozygosity | 54/2075 (2.60%) | 7460/438090 (1.70%) | 1.57 (1.20-2.06) | 0.001 | 1.40 (1.07-1.84) | 0.014 | 1.41 (1.09-1.82) | 0.010 |
| *Definition of abbreviations*: HR, hazard ratio; 95% CI, 95% confidence interval. |
| **a** Carrier status of mCA was carrier of mCA vs non-carrier. |
| **b** Carrier status of mCA was carrier of two or more mCAs vs carrier of one mCA vs non-carrier. |
| **c** 24 participants with prevalent redefined cirrhosis at baseline were excluded. Estimates were adjusted for age, age2, sex, smoking status, drinking status, the top 10 principal components of ancestry and genotyping batch. When evaluating the association between specific mCA types (i.e., copy, neutral loss of heterozygosity, gain, and loss) and risk of cirrhosis, non-carriers of any mCA types were set as the reference group.  |