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| **Supplementary Table 9.** **Risk of cirrhosis according to copy-neutral loss of heterozygosity (LOH) and genetic categoriesa,b** |
| **Subgroup** | **No. of Cases/ Total No.** | **Incidence/ 100,000 person-year** | **HR (95% CI)**  | ***p* value** |
| **Low genetic risk**  | 　 | 　 | 　 | 　 |
| LOH event - | 393/86703 | 37.23  | 1.00 (reference) | Reference |
| LOH event + | 14/1443 | 80.71  | 1.90 [1.12, 3.24] | 0.018 |
| Cell fraction <10% | 12/1214 | 81.85  | 1.91 [1.08, 3.40] | 0.027 |
| Cell fraction ≥10%  | 2/229 | 74.51  | 1.83 [0.46, 7.36] | 0.392 |
| **Intermediate genetic risk**  | 　 | 　 | 　 | 　 |
| LOH event - | 1425/262683 | 44.54  | 1.19 [1.07, 1.33] | 0.002 |
| LOH event + | 35/4532 | 64.56  | 1.56 [1.10, 2.20] | 0.012 |
| Cell fraction <10% | 31/3798 | 68.01  | 1.65 [1.15, 2.38] | 0.007 |
| Cell fraction ≥10%  | 4/734 | 46.35  | 1.08 [0.40, 2.90] | 0.872 |
| **High genetic risk**  | 　 | 　 | 　 | 　 |
| LOH event - | 763/87447 | 71.84  | 1.95 [1.73, 2.20] | <0.001 |
| LOH event + | 20/1539 | 109.31  | 2.64 [1.68, 4.13] | <0.001 |
| Cell fraction <10% | 14/1307 | 89.77  | 2.16 [1.27, 3.69] | 0.005 |
| Cell fraction ≥10% | 6/232 | 222.17  | 5.39 [2.41, 12.07] | <0.001 |
| a The cell fraction was not able to be estimated for a total of 4298 individuals with undetermined mCA merely. Non-carriers of copy-neutral loss of heterozygosity in the low genetic risk category were set as the reference group.  |
| b Estimates were adjusted for age, age2, sex, smoking status, drinking status, the top 10 principal components of ancestry and genotyping batch. |