**SUPPLEMENTARY TABLE 1: Modifying effect of fever on the associations between age at first vaccination or type of vaccine and antibody response**

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| --- | --- |
| **Model:** |  $E\left[log\_{10}\\_titer|X\right]=β\_{0}+β\_{1-3}age+β\_{4}fever+β\_{5-10}age\*fever+β\_{11}vaccine+ β\_{12-22}country+β\_{23-25}study+β\_{26}season$ |
| **Parameter** | **DF** | **F value** | **t-test** | **p-value** |
| Age (4 categories, ref=12 months) | 3 | 38.00 |  | <0.001 |
| Fever (quantitative with 5 categories) | 1 | 286.59 |  | <0.001 |
| Age\*Fever  | 3 | 7.12 |  | <0.001 |
| 11months\*fever13-14months\*fever15-22months\*fever |  |  | 3.770.10-1.28 | <0.0010.920.20 |
| **Model:** |  $E\left[log\_{10}\\_titer|X\right]=β\_{0}+β\_{1}vaccine+β\_{2}fever+β\_{3}vaccine\*fever+β\_{4-6}age+β\_{7-17}country+β\_{18-20}study+β\_{21}season$ |
| **Parameter** | **DF** | **F value** | **t-test** | **p-value** |
| Vaccine MMRV (ref=MMR) | 1 | 155.37 |  | <0.001 |
| Fever (quantitative with 5 categories) | 1 | 277.42 |  | <0.001 |
| Vaccine\*Fever  | 1 | 0.01 |  | 0.93 |

Abbreviations: DF=Degrees of freedom; MMRV=Measles-Mumps-Rubella-Varicella vaccine; MMR=Measles-Mumps-Rubella vaccine