**Appendix 2**

Underlying model and coefficients for Table 2.

Underlying model and coefficients for Table 2 with tachycardia defined as heart rate >97th centile for age.



Underlying model and coefficients for Table 2 including the meningismus or bulging fontanelle.

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**Variables**

**age**: age in months, **antipyretic**: Antipyretic at home**, antibx**: Antibiotic at home

**quain\_wt** : Quintile weight

**tachy\_2**: tachycardia defined as heart rate >150

**tachy\_3**: tachycardia defined as heart rate >97th centile for aged2: defined as dehydration coded a 0= None, 1 = Mild, 2= Moderate, 3= Severe

**fast\_rr**: Tachypnea defend by age, bulging\_or\_mengismus: Bulging anterior fontanelle or meningismus