**Supplementary table 2. Fitted parameters of the broiler chicken harvest model with aggregated effects of outbreaks with and without sudden deaths**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable |  |  | Odds-ratio(with 95% CI) | p-value |
| Flock size ≤ 16 chickens | Outbreak chickens | Same month | 2.34 (1.43 ; 3.81) | $$<10^{-3}$$ |
| -1 month | 1.96 (1.14 ; 3.37) | 0.02 |
| -2 months | 0.45 (0.22 ; 0.92) | 0.03 |
| Number of broiler chickens in the farm (square root) | 1.05 (1 ; 1.11) | 0.07 |
| combined effect of the difference between current age and age at maturity ($δt$) and the age at maturity ($t^{\*}$) (spline transformation) | **Supplement figure 2** | $$<10^{-3}$$ |
| Flock size > 16 chickens | Outbreak chickens | Same month | 0.89 (0.54 ; 1.49) | 0.67 |
| -1 month | 1.15 (0.7 ; 1.88) | 0.58 |
| -2 months | 1.12 (0.7 ; 1.79) | 0.635 |
| Number of broiler chickens in the farm (square root) | 1.05 (1 ; 1.11) | 0.05 |
| combined effect of the difference between current age and age at maturity ($δt$) and the age at maturity ($t^{\*}$) (spline transformation) | **Supplement figure 2** | $$<10^{-3}$$ |

Variables with p value <0.1 are highlighted in gray