Supplemental Digital Content 1. Results of ordered logistic regression analysis for the association between background information and duration of symptoms in respiratory syncytial virus infection.　References are < 6 months in Age group, male in Sex, < 37 weeks in Gestational week group, < 2500g in Birth weight group, not using nursery in Nursery, not smoking in Smoking, not having sibling in Sibling, and serotype A in Serotype. \* p < 0.05; OR: Odds Ratio; CI: Confidence Interval

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|  | Fever | | | | Cough | | | | Wheeze | | | |
|  | OR |  | 95%CI | p value | OR |  | 95%CI | p value | OR |  | 95%CI | p value |
| Serotype B | 0.82 |  | (0.45–1.48) | 0.504 | 0.79 |  | 0.42–1.49 | 0.467 | 0.80 |  | (0.44–1.45) | 0.461 |
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| Age group |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 to < 12 months | 2.94 | \* | (1.30–6.63) | 0.009 | 1.09 |  | (0.47–2.53) | 0.841 | 1.38 |  | (0.64–2.98) | 0.407 |
| 12 to < 18 months | 4.29 | \* | (1.68–10.93) | 0.002 | 0.61 |  | (0.23–1.58) | 0.306 | 0.61 |  | (0.26–1.43) | 0.253 |
| 18 to < 24 months | 1.45 |  | (0.54–3.92) | 0.461 | 0.77 |  | 0.27–2.17 | 0.619 | 0.50 |  | (0.18–1.37) | 0.176 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Female | 0.51 | \* | (0.28–0.93) | 0.029 | 0.32 | \* | 0.17–0.61 | 0.001 | 0.67 |  | (0.38–1.19) | 0.174 |
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| Gestational week group |  |  |  |  |  |  |  |  |  |  |  |  |
| 37 to < 39 weeks | 0.65 |  | (0.17–2.50) | 0.53 | 0.19 |  | 0.03–1.14 | 0.069 | 0.19 | \* | (0.04–0.88) | 0.034 |
| ≥ 39 weeks | 1.17 |  | (0.29–4.67) | 0.828 | 0.33 |  | 0.05–2.05 | 0.235 | 0.31 |  | (0.06–1.51) | 0.149 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Birth weight group |  |  |  |  |  |  |  |  |  |  |  |  |
| 2500g to < 3000g | 0.75 |  | (0.22–2.57) | 0.644 | 0.31 |  | 0.07–1.43 | 0.132 | 0.56 |  | (0.15–2.12) | 0.396 |
| ≥ 3000g | 0.64 |  | (0.17–2.36) | 0.503 | 0.20 | \* | 0.04–0.99 | 0.049 | 0.41 |  | (0.10–1.63) | 0.204 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery | 1.90 |  | (0.99–3.66) | 0.055 | 1.95 |  | 0.97–3.92 | 0.059 | 1.94 | \* | (1.02–3.70) | 0.045 |
| Smoking | 2.58 | \* | (1.42–4.71) | 0.002 | 1.26 |  | 0.68–2.34 | 0.464 | 1.70 |  | (0.96–3.01) | 0.067 |
| Sibling | 0.83 |  | (0.44–1.57) | 0.577 | 0.83 |  | 0.43–1.62 | 0.588 | 0.91 |  | (0.49–1.69) | 0.768 |

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|  | Rhinorrhea | | | | Retraction | | | | Appetite loss | | | | Ill-feeling | | |
|  | OR |  | 95%CI | p value | OR |  | 95%CI | p value | OR |  | 95%CI | p value | OR | 95%CI | p value |
| Serotype B | 1.01 |  | (0.54–1.90) | 0.976 | 0.67 |  | (0.32–1.38) | 0.275 | 0.51 | \* | (0.28–0.92) | 0.026 | 0.89 | (0.47–1.69) | 0.716 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Age group |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 to < 12 months | 0.97 |  | (0.41–2.25) | 0.935 | 0.85 |  | (0.35–2.08) | 0.727 | 1.30 |  | (0.58–2.89) | 0.525 | 2.13 | (0.90–5.01) | 0.084 |
| 12 to < 18 months | 0.62 |  | (0.24–1.63) | 0.333 | 0.31 | \* | (0.10–0.95) | 0.04 | 1.15 |  | (0.47–2.84) | 0.756 | 1.97 | (0.76–5.11) | 0.164 |
| 18 to < 24 months | 1.00 |  | (0.35–2.84) | 0.995 | 0.42 |  | (0.12–1.39) | 0.155 | 1.52 |  | (0.56–4.12) | 0.409 | 1.58 | (0.54–4.62) | 0.401 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Female | 0.34 | \* | (0.18–0.64) | 0.001 | 0.97 |  | (0.48–1.94) | 0.92 | 0.63 |  | (0.35–1.14) | 0.126 | 0.83 | (0.44–1.56) | 0.554 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gestational week group |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 37 to < 39 weeks | 0.17 |  | (0.03–1.05) | 0.057 | 0.40 |  | (0.08–1.86) | 0.24 | 0.30 |  | (0.07–1.28) | 0.103 | 1.36 | (0.29–6.27) | 0.694 |
| ≥ 39 weeks | 0.26 |  | (0.04–1.60) | 0.145 | 0.83 |  | (0.17–4.02) | 0.813 | 0.30 |  | (0.07–1.32) | 0.111 | 2.34 | (0.48–1.32) | 0.29 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Birth weight group |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2500g to < 3000g | 0.25 |  | (0.05–1.18) | 0.08 | 0.45 |  | (0.12–1.74) | 0.245 | 0.49 |  | (0.13–1.79) | 0.281 | 0.52 | (0.13–2.15) | 0.369 |
| ≥ 3000g | 0.20 | \* | (0.04–0.97) | 0.046 | 0.33 |  | (0.08–1.41) | 0.134 | 0.67 |  | (0.17–2.57) | 0.554 | 0.39 | (0.09–1.71) | 0.209 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery | 1.39 |  | (0.71–2.75) | 0.337 | 1.64 |  | (0.74–3.62) | 0.22 | 1.08 |  | (0.57–2.05) | 0.82 | 1.00 | (0.50–2.02) | 0.99 |
| Smoking | 1.07 |  | (0.58–1.98) | 0.828 | 1.07 |  | (0.54–2.13) | 0.84 | 0.89 |  | (0.50–1.59) | 0.692 | 1.07 | (0.57–2.00) | 0.831 |
| Sibling | 0.73 |  | (0.37–1.41) | 0.342 | 0.97 |  | (0.46–2.04) | 0.934 | 0.80 |  | (0.43–1.47) | 0.466 | 0.71 | (0.36–1.38) | 0.31 |