**Supplemental Digital Content 3** Association between maternal mental disorders and hospitalization for specific pediatric infections, excluding children with adverse birth outcomes

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|  | Hazard ratioa(95% confidence interval) |
| Excluding 60,080 preterm children | Excluding 45,356 children with low birthweight | Excluding 67,980 small-for-gestational age children |
| Any infection | 1.39 (1.36-1.41) | 1.40 (1.37-1.43) | 1.41 (1.39-1.44) |
| Otitis media | 1.37 (1.34-1.41) | 1.38 (1.34-1.42) | 1.38 (1.34-1.42) |
| Respiratory | 1.48 (1.44-1.52) | 1.49 (1.45-1.54) | 1.50 (1.46-1.55) |
| Acute upper respiratory | 1.46 (1.40-1.52) | 1.47 (1.41-1.53) | 1.49 (1.43-1.55) |
| Tonsillitis | 1.39 (1.22-1.57) | 1.40 (1.23-1.58) | 1.47 (1.30-1.66) |
| Influenza | 1.69 (1.53-1.85) | 1.72 (1.57-1.88) | 1.80 (1.64-1.97) |
| Bronchiolitis | 1.49 (1.43-1.56) | 1.52 (1.46-1.59) | 1.54 (1.47-1.61) |
| Bronchitis | 1.79 (1.58-2.04) | 1.86 (1.65-2.11) | 1.86 (1.64-2.10) |
| Pneumonia | 1.52 (1.45-1.59) | 1.53 (1.47-1.60) | 1.54 (1.48-1.61) |
| Gastrointestinal | 1.55 (1.47-1.64) | 1.55 (1.47-1.63) | 1.59 (1.51-1.68) |
| Infectious enteritis | 1.62 (1.54-1.71) | 1.62 (1.53-1.71) | 1.66 (1.57-1.76) |
| Appendicitis | 1.12 (0.95-1.31) | 1.12 (0.96-1.31) | 1.14 (0.97-1.33) |
| Central nervous system | 1.33 (1.12-1.57) | 1.32 (1.11-1.55) | 1.35 (1.14-1.59) |
| Meningitis | 1.28 (1.07-1.54) | 1.26 (1.05-1.51) | 1.35 (1.13-1.61) |
| Encephalitis | 1.72 (1.18-2.51) | 1.79 (1.24-2.59) | 1.46 (0.97-2.19) |
| Urinary tract | 1.47 (1.37-1.57) | 1.46 (1.37-1.57) | 1.51 (1.41-1.62) |
| Carditis | 1.20 (0.69-2.10) | 1.29 (0.77-2.18) | 1.47 (0.90-2.40) |
| Septic arthritis and osteomyelitis | 0.86 (0.65-1.14) | 0.88 (0.67-1.16) | 0.83 (0.62-1.11) |
| Integument | 1.30 (1.19-1.42) | 1.30 (1.20-1.42) | 1.36 (1.25-1.48) |
| Septicemia | 1.20 (0.98-1.47) | 1.21 (0.99-1.48) | 1.31 (1.09-1.57) |
| Perinatal | 1.34 (1.27-1.42) | 1.36 (1.29-1.43) | 1.43 (1.36-1.50) |
| Vaccine-preventable | 1.37 (1.23-1.53) | 1.34 (1.20-1.49) | 1.37 (1.23-1.53) |
| Other infection | 1.47 (1.38-1.56) | 1.47 (1.38-1.56) | 1.52 (1.43-1.61) |

aHazard ratio for maternal mental disorder vs. no mental disorder, adjusted for maternal age, parity, maternal comorbidity, sex, socioeconomic deprivation, and time period.