Table1 Detection of IAV and IBV from children in Hainan, 2021 to 2023

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Outpatients of IAV (n=54974) | | P | Inpatients of IAV (n=19687) | | P | Outpatients of IBV (n=53151) | | P | Inpatients of IBV (n=19687) | | P |
| Positive (%) | Negative | Positive (%) | Negative | Positive (%) | Negative | Positive (%) | Negative |
| 2021 | 135­a (1.75) | 7593 |  | 3­a (0.06) | 4718 |  | 1502a (19.23) | 6310 |  | 180a (3.81) | 4541 |  |
| 2022 | 5534b ­(33.61) | 10930 | 0.00 | 337b (6.45) | 4890 | 0.00 | 136b (0.80) | 16820 | 0.00 | 42b (0.80) | 5185 | 0.00 |
| 2023 | 10021b (32.55) | 20761 |  | 648b (6.65) | 9091 |  | 1236c (4.35) | 27147 |  | 101b (1.04) | 9638 |  |
| Total | 15690 (28.54) | 39284 |  | 988 (5.02) | 18699 |  | 2874 (5.41) | 50277 |  | 323 (1.64) | 19364 |  |

Abbreviation: IAV, influenza A virus; IBV, influenza B virus.

For groups compared by year, pairwise comparisons were made using the Bonferroni method. Rows with different subscript letters in the same column (a, b, or c) are significantly different from each other (p < 0.05).

Table 2 Annual detection and comparison of outpatient and inpatient cases of IAV and IBV among children based on gender and age in Hainan, 2021-2023.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Year |  | Outpatients of IAV | | P | Inpatients of IAV | | P | Outpatients of IBV | | P | Inpatients of IBV | | P |
| Positive (%) | Negative | Positive (%) | Negative | Positive (%) | Negative | Positive (%) | Negative |
|  | 2021 | Male | 88 (1.88) | 4588 | 0.26 | 0 (0.00) | 3002 | 0.09 | 921 (19.45) | 3814 | 0.53 | 122 (4.06) | 2880 | 0.23 |
| Female | 47 (1.54) | 3005 |  | 3 (0.17) | 1716 |  | 581 (18.88) | 2496 |  | 58 (1.02) | 1661 |  |
| Gender | 2022 | Male | 3295 (33.97) | 6404 | 0.24 | 220 (6.93) | 2953 | 0.08 | 79 (0.79) | 9918 | 0.84 | 21 (0.66) | 3152 | 0.15 |
| Female | 2239 (33.10) | 4526 |  | 117 (5.70) | 1937 |  | 57 (0.82) | 6902 |  | 21 (1.02) | 2033 |  |
|  | 2023 | Male | 5886 (33.09) | 11901 | 0.53 | 415 (5.23) | 5541 | 0.12 | 738 (4.50) | 15653 | 0.15 | 62 (1.69) | 5894 | 0.96 |
|  | Female | 4135 (31.82) | 8860 |  | 233 (4.67) | 3550 |  | 498 (4.15) | 11494 |  | 39 (1.56) | 3744 |  |
|  | 2021 | 0-1 | 3a (0.29) | 1037 | 0.00 | 1a (0.05) | 1928 | 1.00 | 36a (3.44) | 1012 | 0.00 | 33a (1.71) | 1896 | 0.00 |
|  | 1-3 | 40b (2.03) | 1935 | 1a (0.07) | 1408 | 119b (5.95) | 1880 | 40a (2.84) | 1369 |
|  | 3-7 | 54b (2.18) | 2423 | 1a (0.09) | 1116 | 409c (16.28) | 2103 | 71b (6.36) | 1046 |
|  | 7-18 | 38b (1.70) | 2198 | 0a (0.00) | 266 | 938d (41.63) | 1315 | 36c (13.53) | 230 |
| Age | 2022 | 0-1 | 327a (23.04) | 1092 | 0.00 | 58a (4.10) | 1355 | 0.00 | 8a (0.55) | 1443 | 0.00 | 6a (0.42) | 1407 | 0.01 |
| 1-3 | 1033b (29.88) | 2424 | 89b (6.82) | 1216 | 16a (0.45) | 3536 | 5a (0.38) | 1300 |
| 3-7 | 2300c (34.34) | 4397 | 125b (6.91) | 1684 | 38a (0.55) | 6867 | 25b (1.38) | 1784 |
| 7-18 | 1874d (38.32) | 3017 | 41a, b (5.86) | 659 | 74b (1.47) | 4974 | 6a, b (0.86) | 694 |
|  | 2023 | 0-1 | 476 a (21.53) | 1735 | 0.00 | 110a (4.10) | 2575 | 0.00 | 30a (1.59) | 1851 | 0.00 | 9a (0.34) | 2676 | 0.00 |
|  | 1-3 | 1242a (22.81) | 4203 | 136a (5.69) | 2256 | 115a (2.45) | 4575 | 17 a, b (0.71) | 2375 |
|  | 3-7 | 4680b (34.54) | 8871 | 276b (8.78) | 2867 | 446b (3.53) | 12184 | 41b, c (1.30) | 3102 |
|  | 7-18 | 3623c (37.84) | 5952 | 126b (8.29) | 1393 | 645c (7.02) | 8537 | 34c (2.24) | 1485 |

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