|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **ATVN** | **ATVS** | **ATV** | **ATUVN** | **ATUVS** | **ATUV** | **ATVG** | **ATN** |
| ΔAIC | 0 | 0.25 | 0.98 | 2 | 2.25 | 2.96 | 4.26 | 6.16 |
| Antivir. Trt. | 1.41 (1.16-1.71) | 1.41 (1.15-1.71) | 1.40 (1.15-1.70) | 1.41 (1.16-1.71) | 1.41 (1.15-1.71) | 1.40 (1.15-1.70) | 1.41 (1.15-1.71) | 1.39 (1.14-1.68) |
| Und. Cond. |  |  |  | 1.00 (0.85-1.17) | 1.00 (0.85-1.17) | 0.99 (0.85-1.16) |  |  |
| Vaccin., H1N1 | 0.65 (0.47-0.89) | 0.65 (0.46-0.89) | 0.62 (0.44-0.85) | 0.65 (0.47-0.89) | 0.65 (0.47-0.89) | 0.62 (0.44-0.85) | 0.63 (0.45-0.86) |  |
| Vaccin., H3N2 | 0.84 (0.67-1.06) | 0.84 (0.67-1.05) | 0.86 (0.68-1.07) | 0.84 (0.67-1.06) | 0.84 (0.67-1.06) | 0.86 (0.68-1.07) | 0.84 (0.67-1.06) |  |
| Impr., H1N1 | 0.82 (0.59-1.15) | 0.77 (0.59-1.00) |  | 0.82 (0.59-1.15) | 0.77 (0.59-1.00) |  | 0.98 (0.78-1.28) | 0.79 (0.57-1.12) |
| Impr.,, H3N2 | 0.92 (0.70-1.26) | 0.98 (0.82-1.19) |  | 0.92 (0.70-1.26) | 0.98 (0.82-1.19) |  | 0.94 (0.79-1.21) | 0.92 (0.69-1.25) |
| age 18-24 | 0.96 (0.84-1.09) | 0.95 (0.84-1.08) | 0.96 (0.85-1.09) | 0.96 (0.84-1.09) | 0.95 (0.83-1.09) | 0.96 (0.84-1.09) | 0.96 (0.85-1.10) | 0.97 (0.86-1.11) |
| age 25-38 | 1.01 (0.91-1.14) | 1.01 (0.91-1.14) | 1.01 (0.91-1.14) | 1.01 (0.91-1.14) | 1.01 (0.91-1.14) | 1.01 (0.91-1.14) | 1.01 (0.91-1.14) | 1.02 (0.92-1.15) |
| age 39-45 | 0.97 (0.85-1.12) | 0.95 (0.84-1.08) | 0.98 (0.88-1.10) | 0.97 (0.85-1.12) | 0.95 (0.84-1.08) | 0.98 (0.88-1.10) | 0.99 (0.87-1.12) | 0.96 (0.84-1.11) |
| age 46-52 | 0.93 (0.81-1.08) | 0.90 (0.80-1.03) | 0.94 (0.83-1.06) | 0.93 (0.81-1.08) | 0.90 (0.80-1.03) | 0.94 (0.83-1.06) | 0.93 (0.82-1.07) | 0.92 (0.80-1.07) |
| age 53-59 | 0.93 (0.81-1.07) | 0.91 (0.79-1.05) | 0.93 (0.82-1.07) | 0.93 (0.81-1.07) | 0.91 (0.79-1.05) | 0.94 (0.82-1.07) | 0.92 (0.79-1.10) | 0.91 (0.80-1.05) |
| age 60-66 | 0.96 (0.78-1.18) | 0.99 (0.82-1.18) | 0.95 (0.81-1.12) | 0.96 (0.78-1.18) | 0.99 (0.82-1.19) | 0.96 (0.81-1.13) | 0.94 (0.78-1.15) | 0.93 (0.76-1.14) |
| age 67-73 | 1.06 (0.81-1.36) | 1.10 (0.88-1.38) | 1.05 (0.85-1.28) | 1.06 (0.81-1.38) | 1.11 (0.88-1.39) | 1.05 (0.85-1.29) | 1.03 (0.82-1.30) | 1.01 (0.78-1.31) |
| age 74-80 | 1.04 (0.72-1.46) | 1.08 (0.78-1.47) | 1.03 (0.76-1.38) | 1.04 (0.72-1.47) | 1.09 (0.78-1.48) | 1.03 (0.76-1.39) | 1.01 (0.72-1.39) | 1.00 (0.69-1.41) |
| age 81-90 | 0.92 (0.55-1.47) | 0.96 (0.58-1.49) | 0.90 (0.56-1.38) | 0.92 (0.55-1.48) | 0.96 (0.58-1.50) | 0.90 (0.56-1.39) | 0.88 (0.54-1.40) | 0.88 (0.53-1.41) |
| **Model** | **ATUVG** | **ATS** | **ATUN** | **ATUS** | **AT** | **AVN** | **AVS** | **AV** |
| ΔAIC | 6.25 | 6.4 | 8.1 | 8.33 | 8.67 | 8.79 | 8.95 | 9.54 |
| Antivir. Trt. | 1.41 (1.16-1.71) | 1.38 (1.14-1.68) | 1.39 (1.14-1.68) | 1.39 (1.14-1.68) | 1.38 (1.13-1.67) |  |  |  |
| Und. Cond. | 0.99 (0.85-1.16) |  | 0.98 (0.84-1.15) | 0.98 (0.84-1.15) |  |  |  |  |
| Vaccin., H1N1 | 0.63 (0.45-0.87) |  |  |  |  | 0.66 (0.47-0.91) | 0.66 (0.47-0.91) | 0.63 (0.46-0.86) |
| Vaccin., H3N2 | 0.85 (0.67-1.06) |  |  |  |  | 0.84 (0.67-1.06) | 0.84 (0.67-1.06) | 0.86 (0.68-1.08) |
| Impr., H1N1 | 0.98 (0.78-1.27) | 0.74 (0.57-0.97) | 0.79 (0.57-1.12) | 0.75 (0.57-0.97) |  | 0.81 (0.59-1.14) | 0.77 (0.59-1.00) |  |
| Impr.,, H3N2 | 0.94 (0.79-1.21) | 0.97 (0.81-1.17) | 0.92 (0.69-1.25) | 0.97 (0.81-1.17) |  | 0.94 (0.71-1.29) | 0.99 (0.82-1.20) |  |
| age 18-24 | 0.96 (0.84-1.10) | 0.97 (0.85-1.10) | 0.97 (0.85-1.11) | 0.97 (0.85-1.10) | 0.98 (0.86-1.12) | 0.96 (0.84-1.10) | 0.95 (0.84-1.09) | 0.96 (0.85-1.10) |
| age 25-38 | 1.01 (0.91-1.14) | 1.02 (0.92-1.15) | 1.02 (0.92-1.15) | 1.02 (0.92-1.15) | 1.02 (0.92-1.15) | 1.01 (0.91-1.14) | 1.01 (0.91-1.14) | 1.01 (0.91-1.14) |
| age 39-45 | 0.99 (0.87-1.12) | 0.95 (0.84-1.07) | 0.96 (0.84-1.11) | 0.95 (0.84-1.07) | 0.97 (0.87-1.10) | 0.97 (0.86-1.13) | 0.96 (0.85-1.09) | 0.99 (0.89-1.11) |
| age 46-52 | 0.93 (0.82-1.07) | 0.89 (0.79-1.01) | 0.92 (0.80-1.07) | 0.89 (0.79-1.02) | 0.93 (0.82-1.05) | 0.92 (0.81-1.08) | 0.90 (0.80-1.03) | 0.94 (0.83-1.06) |
| age 53-59 | 0.92 (0.79-1.10) | 0.89 (0.77-1.03) | 0.91 (0.80-1.06) | 0.89 (0.77-1.03) | 0.92 (0.81-1.05) | 0.93 (0.81-1.07) | 0.92 (0.80-1.06) | 0.94 (0.83-1.08) |
| age 60-66 | 0.94 (0.78-1.16) | 0.96 (0.80-1.15) | 0.94 (0.76-1.15) | 0.96 (0.80-1.16) | 0.92 (0.79-1.08) | 0.98 (0.80-1.19) | 1.00 (0.83-1.19) | 0.96 (0.82-1.13) |
| age 67-73 | 1.03 (0.82-1.31) | 1.06 (0.84-1.32) | 1.02 (0.78-1.32) | 1.06 (0.84-1.33) | 1.00 (0.81-1.22) | 1.08 (0.82-1.38) | 1.12 (0.89-1.39) | 1.05 (0.86-1.29) |
| age 74-80 | 1.01 (0.72-1.41) | 1.04 (0.75-1.42) | 1.00 (0.69-1.42) | 1.05 (0.75-1.43) | 0.98 (0.72-1.31) | 1.09 (0.76-1.52) | 1.13 (0.81-1.52) | 1.07 (0.79-1.43) |
| age 81-90 | 0.89 (0.54-1.41) | 0.92 (0.56-1.43) | 0.89 (0.53-1.43) | 0.92 (0.56-1.45) | 0.85 (0.53-1.31) | 0.99 (0.59-1.57) | 1.03 (0.62-1.58) | 0.96 (0.59-1.47) |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | ATU | AUVN | AUVS | ATG | AUV | AVG | ATUG | AN |
| ΔAIC | 10.56 | 10.79 | 10.95 | 11.35 | 11.54 | 12.99 | 13.23 | 14.02 |
| Antivir. Trt. | 1.38 (1.13-1.68) |  |  | 1.39 (1.14-1.68) |  |  | 1.39 (1.14-1.69) |  |
| Und. Cond. | 0.98 (0.84-1.14) | 1.00 (0.86-1.18) | 1.00 (0.86-1.18) |  | 1.00 (0.86-1.17) |  | 0.97 (0.84-1.14) |  |
| Vaccin., H1N1 |  | 0.66 (0.47-0.91) | 0.66 (0.47-0.91) |  | 0.63 (0.46-0.86) | 0.64 (0.46-0.89) |  |  |
| Vaccin., H3N2 |  | 0.84 (0.67-1.06) | 0.84 (0.67-1.06) |  | 0.86 (0.68-1.08) | 0.85 (0.67-1.07) |  |  |
| Impr., H1N1 |  | 0.81 (0.59-1.14) | 0.77 (0.59-1.00) | 0.96 (0.76-1.25) |  | 1.00 (0.80-1.30) | 0.95 (0.76-1.25) | 0.78 (0.57-1.11) |
| Impr.,, H3N2 |  | 0.94 (0.71-1.29) | 0.99 (0.82-1.20) | 0.94 (0.77-1.20) |  | 0.94 (0.79-1.20) | 0.94 (0.77-1.21) | 0.93 (0.70-1.28) |
| age 18-24 | 0.98 (0.86-1.11) | 0.96 (0.84-1.10) | 0.95 (0.84-1.09) | 0.98 (0.86-1.12) | 0.96 (0.85-1.10) | 0.97 (0.85-1.10) | 0.98 (0.86-1.12) | 0.98 (0.86-1.11) |
| age 25-38 | 1.02 (0.92-1.15) | 1.01 (0.91-1.14) | 1.01 (0.91-1.14) | 1.02 (0.92-1.15) | 1.01 (0.91-1.14) | 1.01 (0.91-1.13) | 1.02 (0.92-1.15) | 1.02 (0.92-1.15) |
| age 39-45 | 0.98 (0.88-1.10) | 0.97 (0.85-1.13) | 0.96 (0.85-1.09) | 0.98 (0.86-1.11) | 0.99 (0.89-1.11) | 1.00 (0.89-1.13) | 0.98 (0.86-1.11) | 0.97 (0.85-1.12) |
| age 46-52 | 0.93 (0.83-1.06) | 0.92 (0.81-1.08) | 0.90 (0.80-1.03) | 0.92 (0.81-1.06) | 0.94 (0.83-1.06) | 0.93 (0.82-1.07) | 0.93 (0.81-1.07) | 0.91 (0.80-1.07) |
| age 53-59 | 0.92 (0.81-1.06) | 0.93 (0.81-1.08) | 0.92 (0.80-1.06) | 0.91 (0.77-1.09) | 0.94 (0.82-1.08) | 0.92 (0.80-1.10) | 0.92 (0.78-1.10) | 0.92 (0.80-1.06) |
| age 60-66 | 0.93 (0.79-1.09) | 0.98 (0.79-1.19) | 1.00 (0.83-1.20) | 0.91 (0.75-1.11) | 0.96 (0.82-1.14) | 0.94 (0.79-1.15) | 0.92 (0.76-1.12) | 0.95 (0.78-1.16) |
| age 67-73 | 1.00 (0.81-1.24) | 1.08 (0.81-1.39) | 1.12 (0.88-1.39) | 0.98 (0.78-1.25) | 1.06 (0.85-1.30) | 1.03 (0.83-1.30) | 0.99 (0.78-1.26) | 1.03 (0.79-1.32) |
| age 74-80 | 0.99 (0.72-1.32) | 1.09 (0.76-1.52) | 1.13 (0.81-1.53) | 0.96 (0.69-1.33) | 1.07 (0.78-1.44) | 1.04 (0.76-1.44) | 0.97 (0.69-1.35) | 1.05 (0.73-1.46) |
| age 81-90 | 0.86 (0.53-1.32) | 0.99 (0.59-1.57) | 1.03 (0.62-1.59) | 0.84 (0.51-1.33) | 0.96 (0.59-1.48) | 0.94 (0.57-1.48) | 0.85 (0.52-1.35) | 0.94 (0.56-1.50) |
| **Model** | AS | AUVG | AUN | AUS | A | AU | AG | AUG |
| ΔAIC | 14.18 | 14.99 | 16 | 16.16 | 16.18 | 18.14 | 19.17 | 21.12 |
| Antivir. Trt. |  |  |  |  |  |  |  |  |
| Und. Cond. |  | 1.00 (0.86-1.17) | 0.99 (0.85-1.16) | 0.99 (0.85-1.16) |  | 0.98 (0.84-1.15) |  | 0.98 (0.84-1.15) |
| Vaccin., H1N1 |  | 0.64 (0.46-0.89) |  |  |  |  |  |  |
| Vaccin., H3N2 |  | 0.85 (0.67-1.07) |  |  |  |  |  |  |
| Impr., H1N1 | 0.75 (0.57-0.97) | 1.00 (0.80-1.30) | 0.78 (0.57-1.11) | 0.75 (0.57-0.97) |  |  | 0.98 (0.78-1.27) | 0.97 (0.78-1.27) |
| Impr.,, H3N2 | 0.98 (0.82-1.19) | 0.94 (0.79-1.20) | 0.93 (0.70-1.28) | 0.98 (0.82-1.19) |  |  | 0.93 (0.78-1.20) | 0.93 (0.78-1.20) |
| age 18-24 | 0.97 (0.86-1.11) | 0.97 (0.85-1.10) | 0.98 (0.86-1.11) | 0.97 (0.85-1.11) | 0.98 (0.87-1.12) | 0.98 (0.86-1.12) | 0.99 (0.87-1.12) | 0.98 (0.86-1.12) |
| age 25-38 | 1.02 (0.92-1.15) | 1.01 (0.91-1.13) | 1.02 (0.92-1.15) | 1.02 (0.92-1.15) | 1.02 (0.92-1.15) | 1.02 (0.92-1.15) | 1.02 (0.92-1.15) | 1.02 (0.92-1.14) |
| age 39-45 | 0.95 (0.85-1.08) | 1.00 (0.88-1.13) | 0.97 (0.85-1.12) | 0.95 (0.85-1.08) | 0.98 (0.88-1.11) | 0.98 (0.88-1.11) | 0.99 (0.88-1.12) | 0.99 (0.88-1.12) |
| age 46-52 | 0.89 (0.79-1.02) | 0.93 (0.82-1.07) | 0.91 (0.80-1.07) | 0.89 (0.79-1.02) | 0.93 (0.83-1.05) | 0.93 (0.83-1.06) | 0.92 (0.81-1.06) | 0.92 (0.81-1.06) |
| age 53-59 | 0.90 (0.78-1.04) | 0.92 (0.80-1.10) | 0.92 (0.80-1.06) | 0.90 (0.78-1.04) | 0.93 (0.81-1.06) | 0.93 (0.81-1.07) | 0.91 (0.78-1.09) | 0.91 (0.78-1.10) |
| age 60-66 | 0.97 (0.81-1.16) | 0.94 (0.79-1.16) | 0.95 (0.77-1.17) | 0.98 (0.81-1.17) | 0.93 (0.80-1.09) | 0.93 (0.80-1.10) | 0.91 (0.76-1.11) | 0.92 (0.76-1.13) |
| age 67-73 | 1.07 (0.85-1.33) | 1.03 (0.82-1.31) | 1.04 (0.79-1.33) | 1.07 (0.85-1.34) | 1.00 (0.82-1.23) | 1.01 (0.82-1.24) | 0.98 (0.79-1.25) | 0.99 (0.79-1.26) |
| age 74-80 | 1.08 (0.78-1.47) | 1.04 (0.76-1.45) | 1.05 (0.73-1.47) | 1.09 (0.78-1.48) | 1.02 (0.74-1.35) | 1.02 (0.75-1.37) | 0.99 (0.71-1.38) | 1.00 (0.72-1.39) |
| age 81-90 | 0.98 (0.59-1.51) | 0.94 (0.57-1.49) | 0.95 (0.56-1.51) | 0.98 (0.60-1.53) | 0.91 (0.56-1.39) | 0.91 (0.56-1.41) | 0.89 (0.55-1.40) | 0.90 (0.55-1.42) |