

Figure 1: H1N1 Age Effects

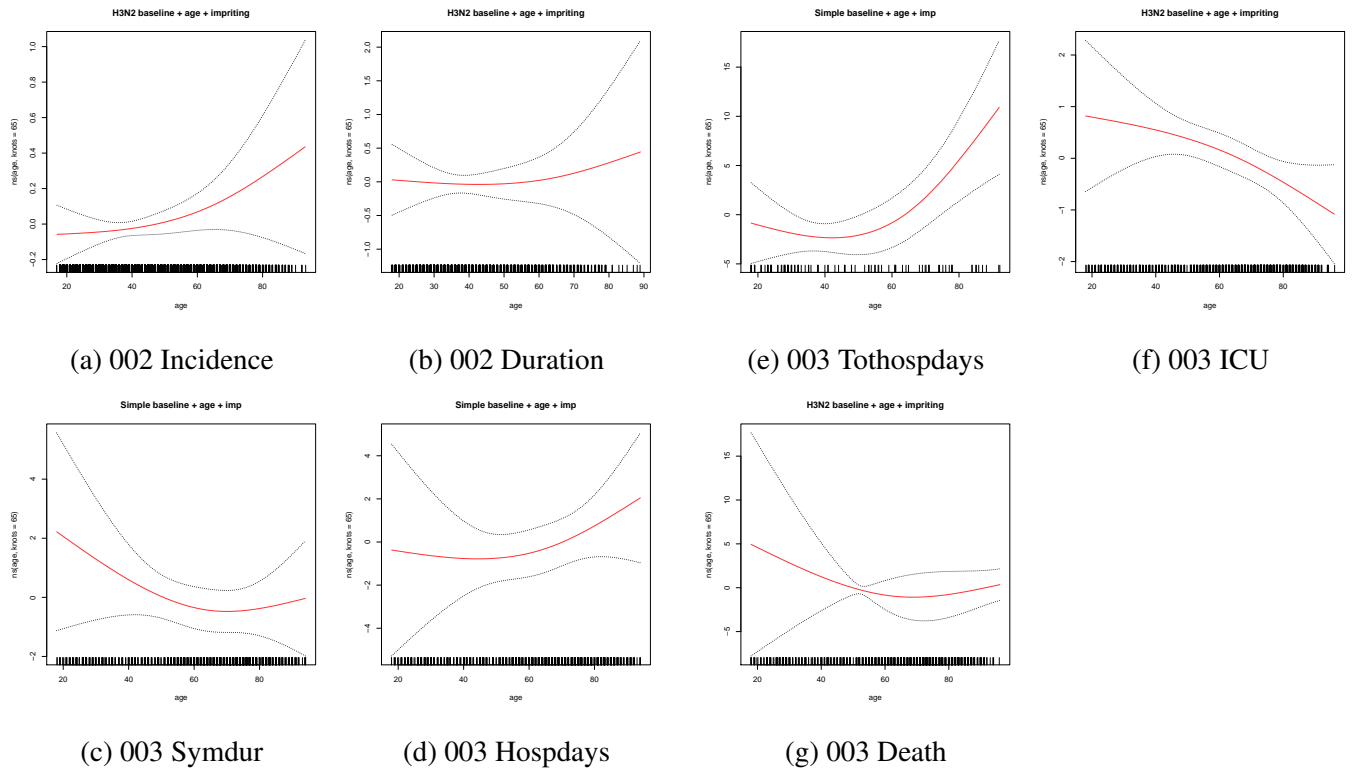


Figure 2: H3N2 Age Effects

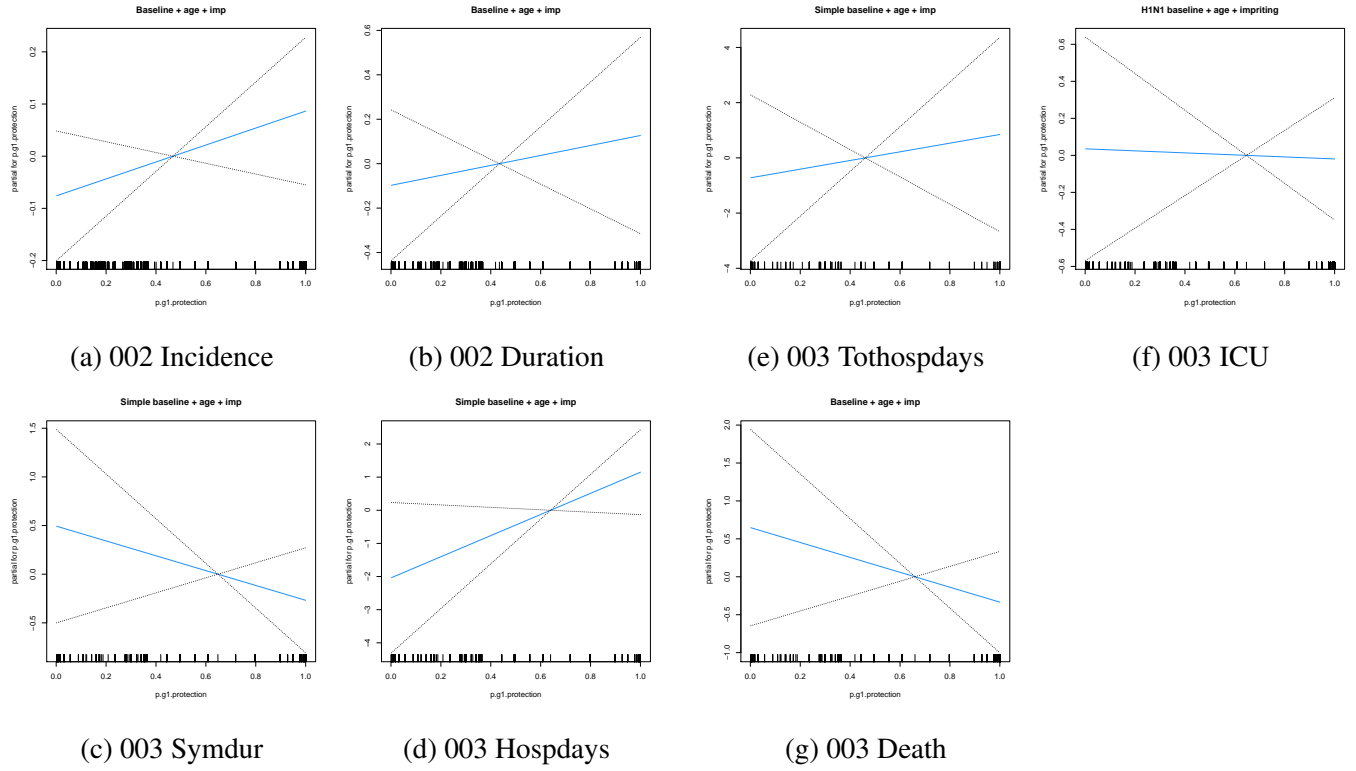


Figure 3: H1N1 Imprinting Effects

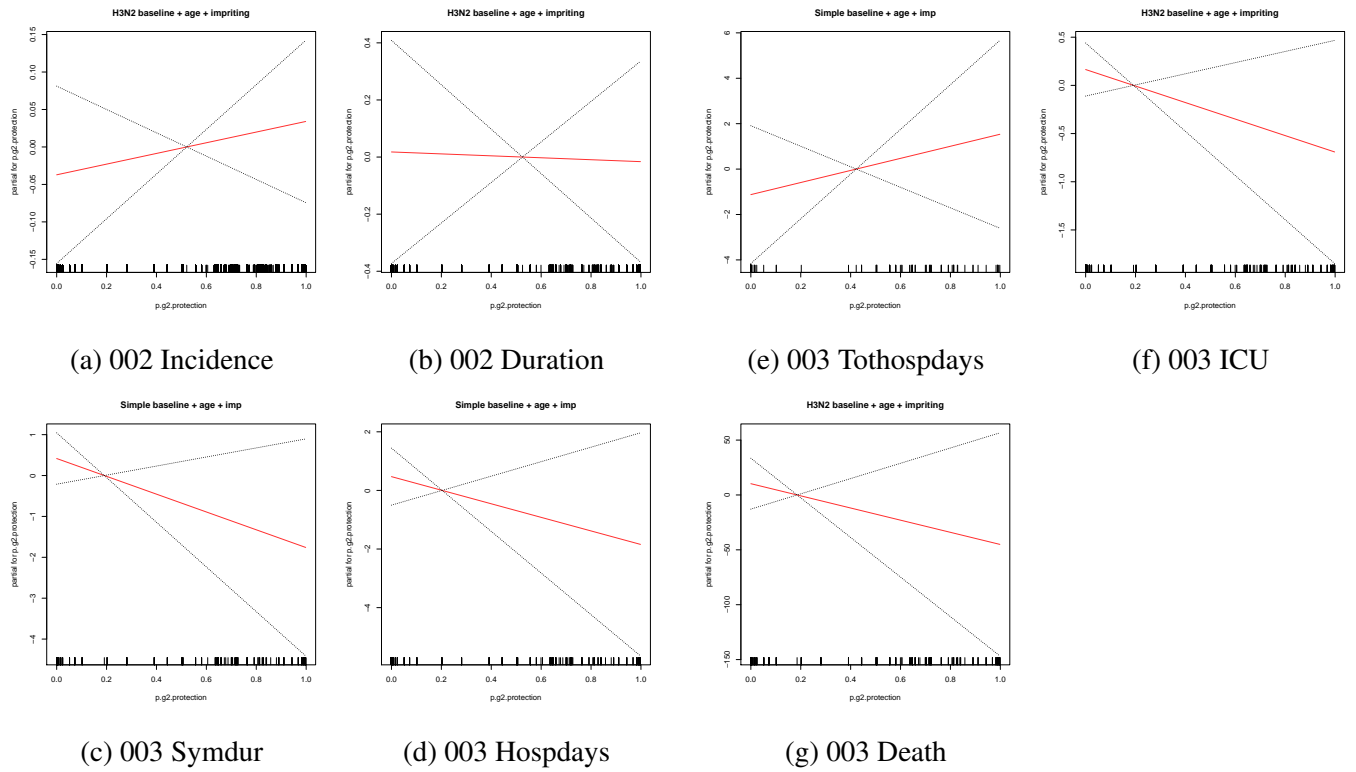


Figure 4: H3N2 Imprinting Effects

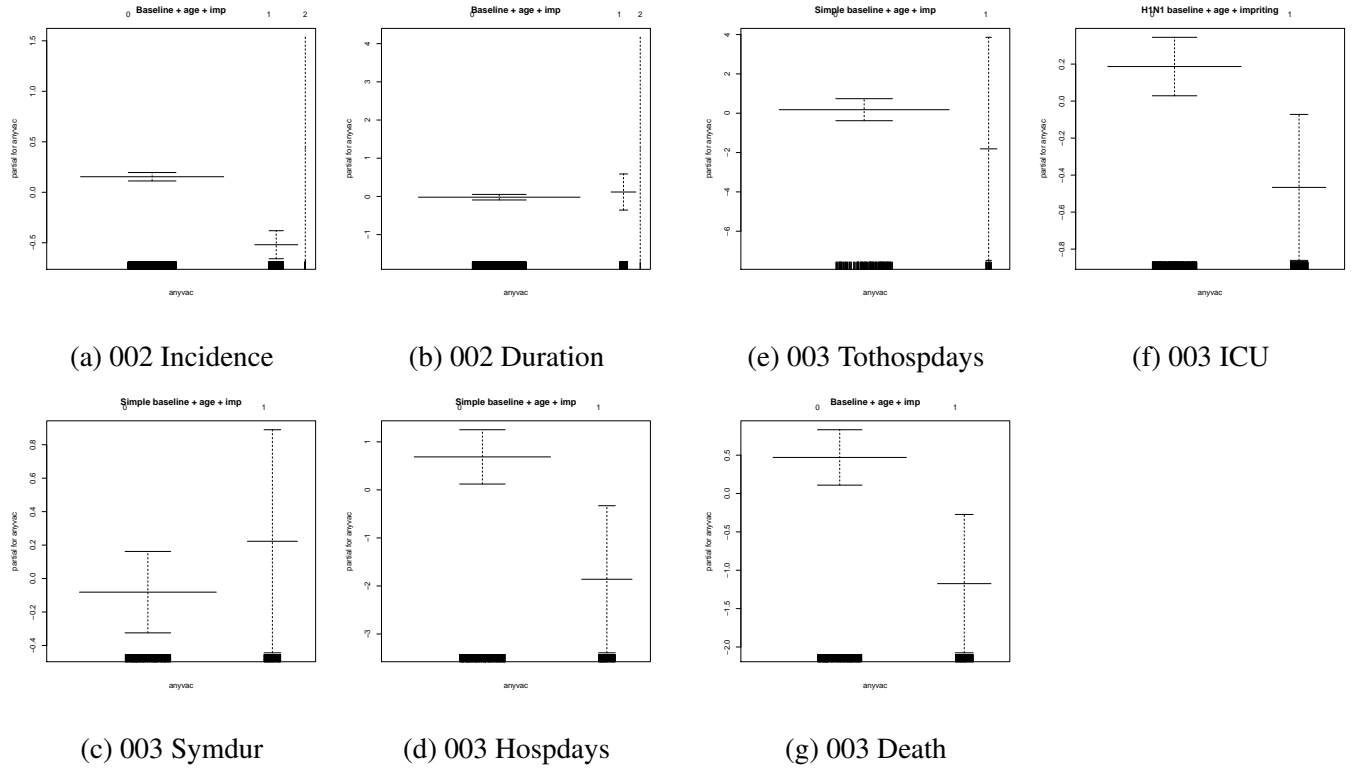


Figure 5: H1N1 Vaccine Effects

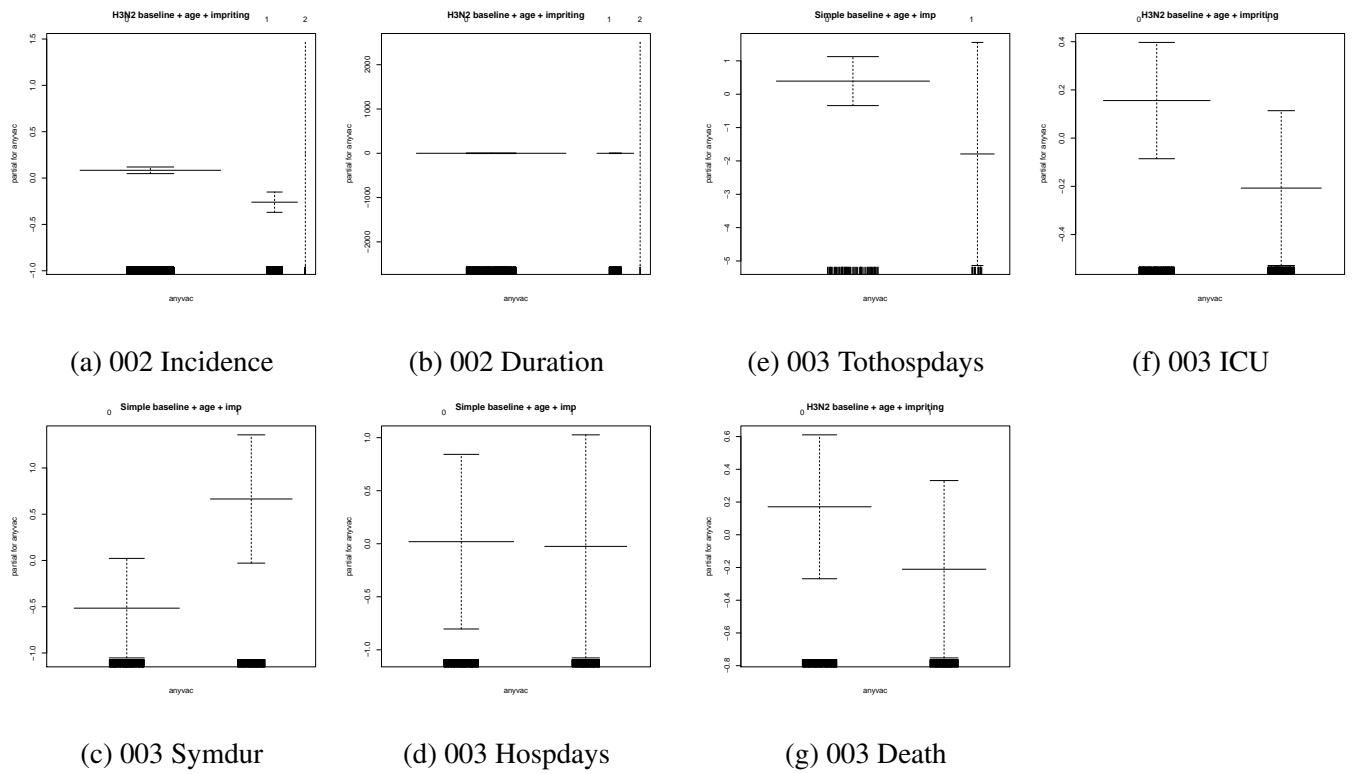


Figure 6: H3N2 Vaccine Effects

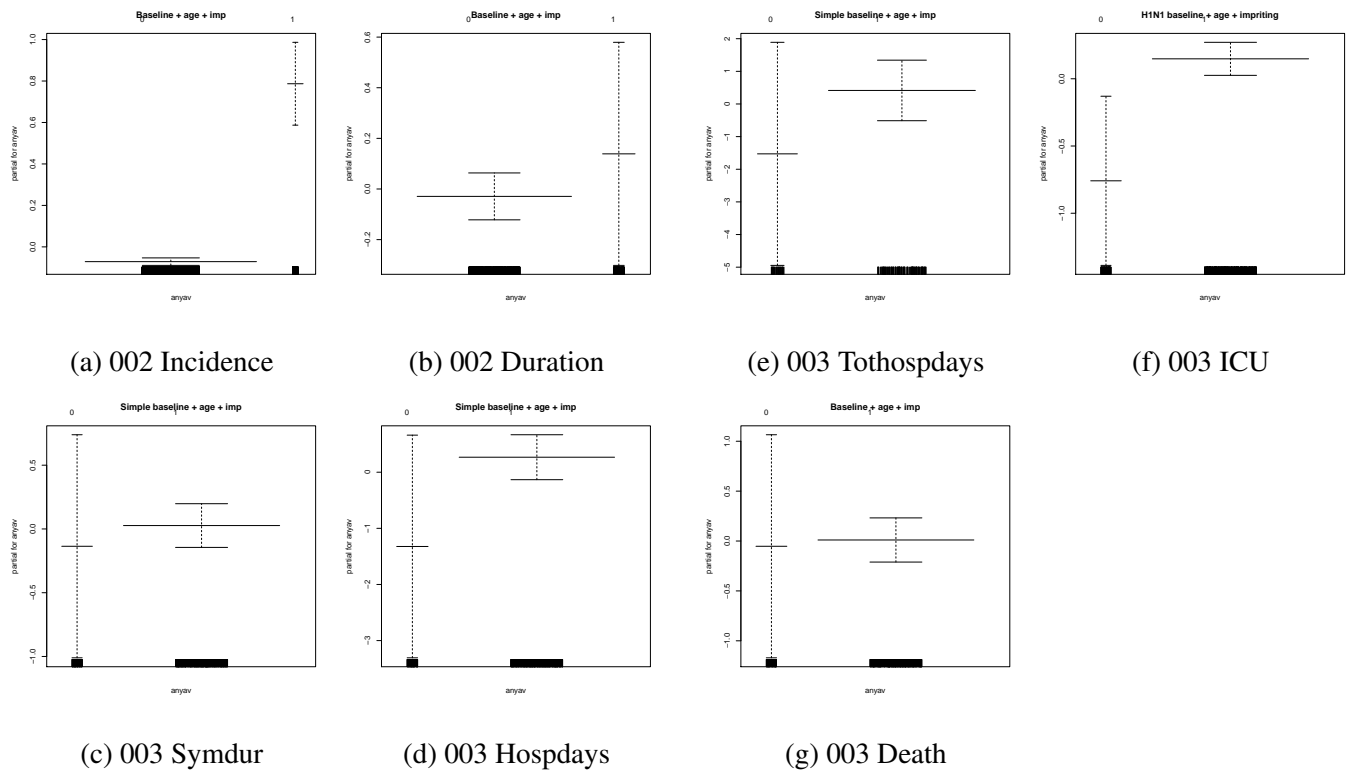


Figure 7: H1N1 Antiviral Effects

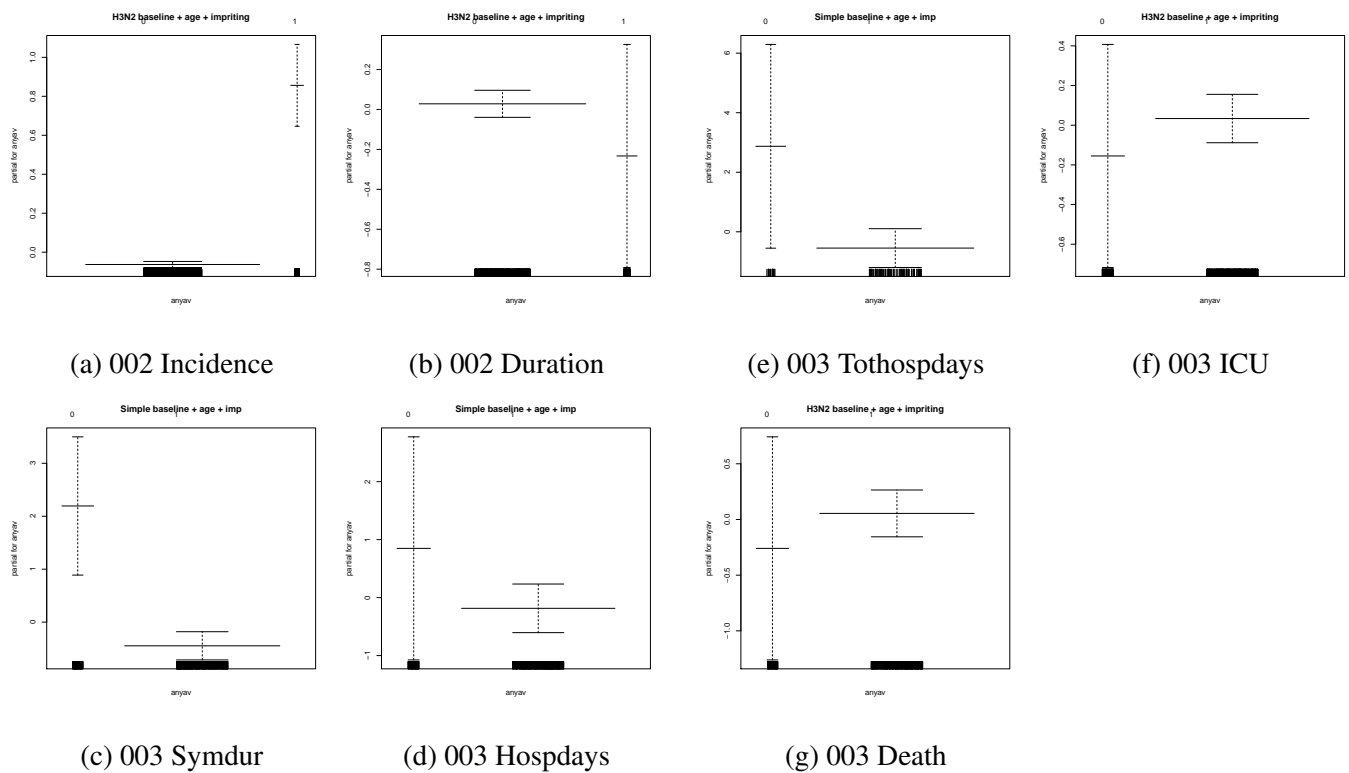


Figure 8: H3N2 Antiviral Effects

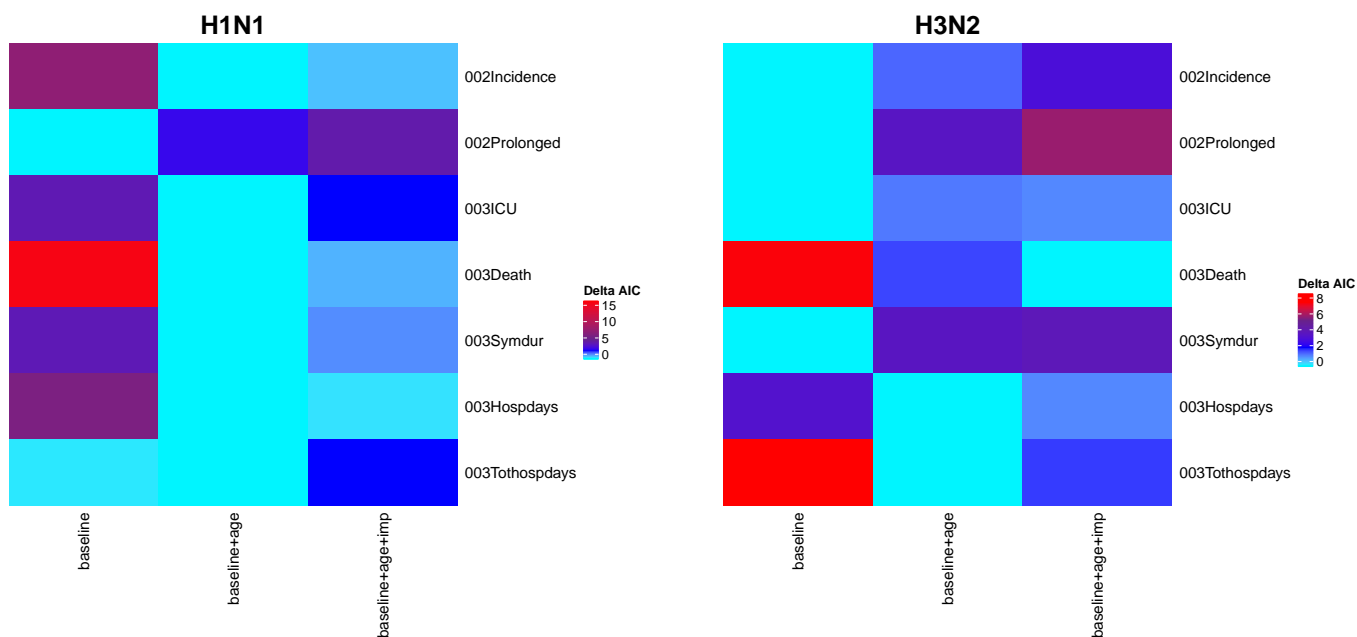


Figure 9: Delta AIC Values

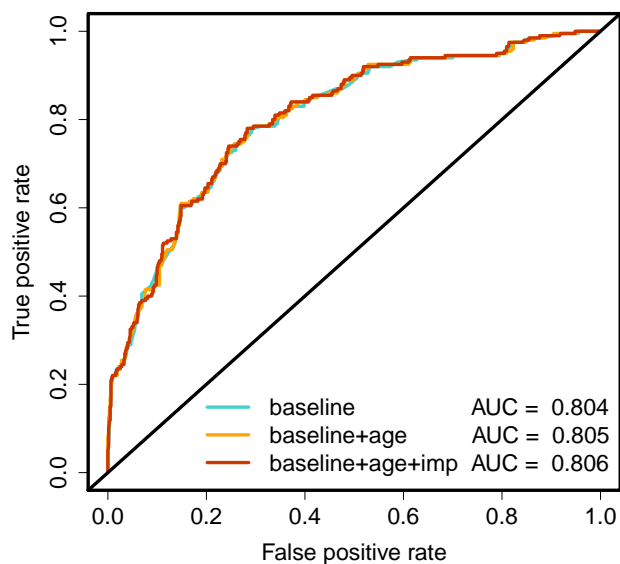
| | baseline | baseline +age | baseline +age +imp | s.base | s.base +age | s.base +age +imp |
|----------------|----------|------------------|--------------------------|--------|----------------|------------------------|
| 002Incidence | 6.99 | 0.00 | 0.50 | | | |
| 002Prolonged | 0.00 | 2.48 | 4.15 | | | |
| 003ICU | 3.93 | 0.00 | 2.00 | | | |
| 003Death | 14.37 | 0.00 | 0.64 | | | |
| 003Tothospdays | 0.13 | 0.00 | 2.00 | 7.37 | 6.89 | 8.65 |
| 003Symdur | 15.13 | 10.55 | 11.60 | 3.89 | 0.00 | 1.00 |
| 003Hospdays | 5.91 | 0.00 | 0.19 | 11.10 | 9.34 | 8.10 |

| | baseline | baseline +age | baseline +age +imp | s.base | s.base +age | s.base +age +imp |
|----------------|----------|------------------|--------------------------|--------|----------------|------------------------|
| 002Incidence | 0.00 | 1.37 | 2.97 | | | |
| 002Prolonged | 0.00 | 3.52 | 5.51 | | | |
| 003ICU | 0.00 | 1.20 | 1.05 | | | |
| 003Death | 6.94 | 1.66 | 0.00 | | | |
| 003Tothospdays | 7.38 | 0.00 | 1.73 | 31.35 | 23.32 | 24.73 |
| 003Symdur | 3.27 | 6.40 | 5.24 | 0.00 | 3.57 | 3.80 |
| 003Hospdays | 15.49 | 15.92 | 16.55 | 3.26 | 0.00 | 1.05 |

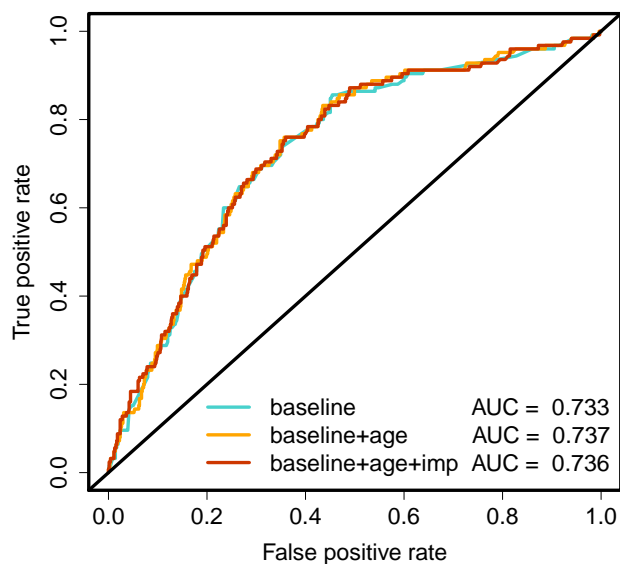
(a) H1N1

(b) H3N2

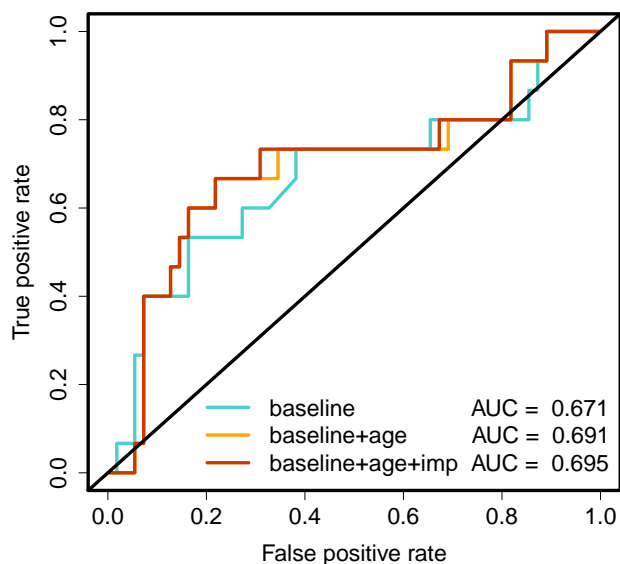
Figure 10: Delta AIC Values



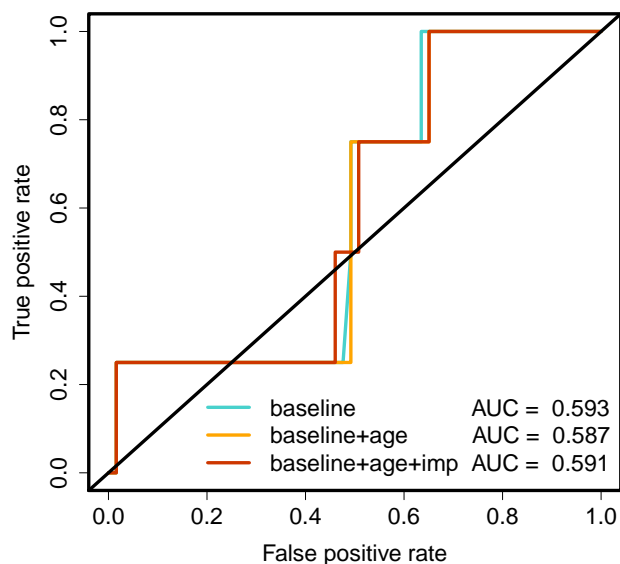
(a) 002 Incidence



(b) 002 Duration

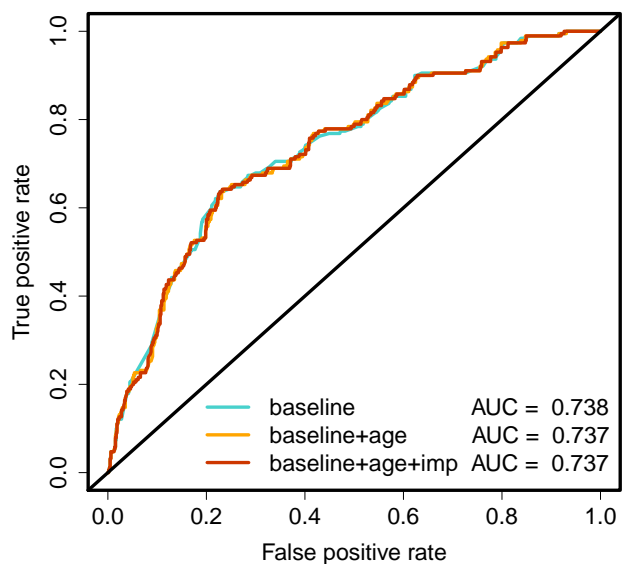


(c) 003 ICU

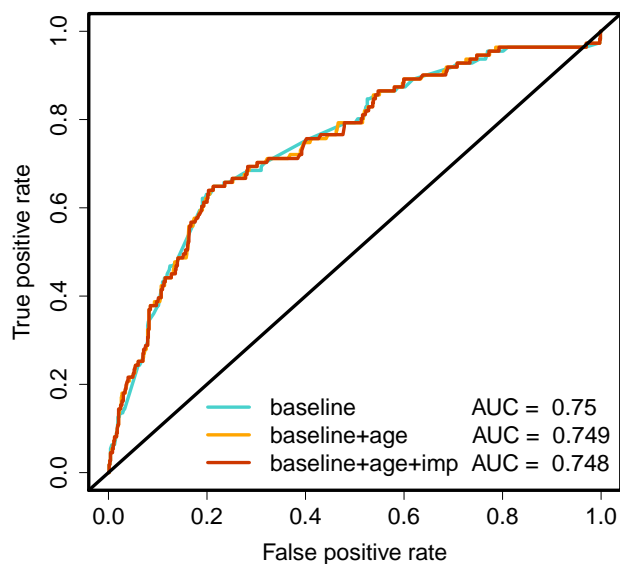


(d) 003 Death

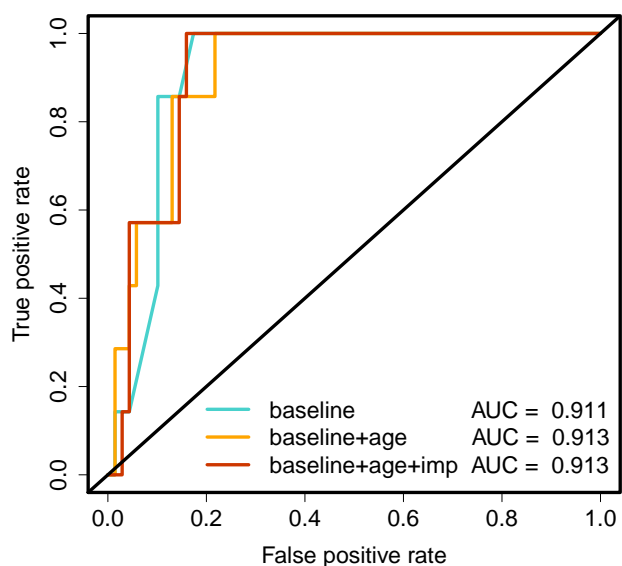
Figure 11: H1N1 AUC Values



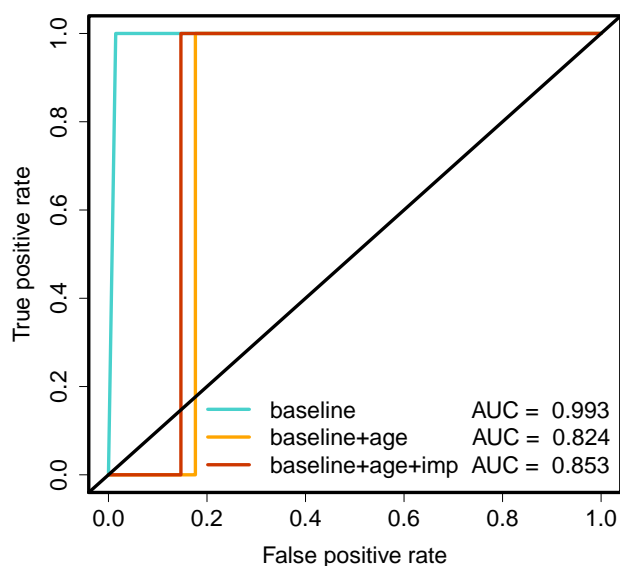
(a) 002 Incidence



(b) 002 Duration



(c) 003 ICU



(d) 003 Death

Figure 12: H3N2 AUC Values