**Supplementary Documentation**

Supplemental Tables

Table S1. Reverse transcriptase- polymerase chain reaction (RT-PCR)-confirmed influenza infection rates per participant-season over time

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| RT-PCR Influenza A and B Infection Rate | | | | | | |
|  | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |  | Total |
| Mandatory | 0.01 (0.01 – 0.03) | 0.05 (0.03 – 0.06) | 0.01 (0.00 – 0.02) | 0.05 (0.04 – 0.06) |  | 0.03 (0.03 – 0.04) |
| Not Mandatory | 0.01 (0.00 – 0.04) | 0.05 (0.03 – 0.08) | 0.02 (0.01 – 0.04) | 0.03 (0.02 – 0.04) |  | 0.03 (0.02 – 0.04) |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| RT-PCR Influenza A Infection Rate | | | | | | |
|  | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |  | Total |
| Mandatory | 0.01 (0.004 – 0.02) | 0.03 (0.02 – 0.05) | 0.01 (0.004 – 0.02) | 0.05 (0.03 – 0.06) |  | 0.03 (0.02 – 0.03) |
| Not Mandatory | 0 (0 – 0.02) | 0.03 (0.02 – 0.05) | 0.02 (0.01 – 0.03) | 0.03 (0.02 – 0.04) |  | 0.02 (0.02 – 0.03) |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| RT-PCR Influenza B Infection Rate | | | | | | |
|  | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |  | Total |
| Mandatory | 0.003 (0.001 – 0.01) | 0.01 (0.01 – 0.02) | 0.001 (0.00 – 0.02) | 0.002 (0.001 – 0.008) |  | 0.005 (0.003 – 0.008) |
| Not Mandatory | 0.01 (0.0003 – 0.04) | 0.02 (0.01 – 0.04) | 0.003 (0.001 – 0.01) | 0.003 (0.001 – 0.01) |  | 0.007 (0.004 – 0.01) |

Table S2. Serologically-confirmed Influenza infection rates per participant-season over time

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Influenza A and B Infection Rate | | | | | | |
|  | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |  | Total |
| Mandatory | 0.01 (0.01 – 0.03) | 0.05 (0.04 – 0.07) | 0.03 (0.02 – 0.05) | 0.05 (0.04 – 0.07) |  | 0.04 (0.03 – 0.05) |
| Not Mandatory | 0.05 (0.02 – 0.09) | 0.08 (0.05 – 0.11) | 0.10 (0.08 – 0.13) | 0.08 (0.07 – 0.10) |  | 0.09 (0.07 – 0.10) |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Influenza A Infection Rate | | | | | | |
|  | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |  | Total |
| Mandatory | 0.01 (0.01 – 0.03) | 0.04 (0.02 – 0.05) | 0.03 (0.02 – 0.04) | 0.05 (0.03 – 0.06) |  | 0.03 (0.03 – 0.04) |
| Not Mandatory | 0.05 (0.02 – 0.09) | 0.06 (0.04 – 0.09) | 0.08 (0.06 – 0.10) | 0.07 (0.05 – 0.09) |  | 0.07 (0.06 – 0.08) |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Influenza B Infection Rate | | | | | | |
|  | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |  | Total |
| Mandatory | 0.002 (0.00 – 0.01) | 0.02 (0.01 – 0.03) | 0.01 (0.003 – 0.02) | 0.01 (0.01 – 0.02) |  | 0.01 (0.01 – 0.01) |
| Not Mandatory | 0.01 (0.00 – 0.04) | 0.01 (0.01 – 0.03) | 0.03 (0.02 – 0.04) | 0.02 (0.01 – 0.03) |  | 0.02 (0.01 – 0.03) |