**Supplementary material**

Table S1. Description of participating hospitals, wards and period of recruitment, by season.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Period of SARI participants recruitment | | | Wards included |
|  | 2015-2016 | 2016-2017 | 2017-2018 |  |
| CHULC | Week 50/2015 to week 17/2016 | Week 46/2016 to week 17/2017 | Week 47/2017 and ended into 17/2018 | Internal medicine (subdivided into 10 wards) |
| CHS | Week 1/2016 to week 17/2016 | Emergency, Infectiology,  Pneumology, Internal medicine, and ICU |



Figure S1. Weekly distribution of participants and potential SARI patients according to swab date; influenza like-illness (ILI) rate from primary care influenza surveillance system

Table S2. Sensitivity analysis for IV uptake misclassification (crude OR and IVE)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | VC cases | VC controls | OR | IVE |
| EVA Hospital | 0.4 | 0.44 | 0.85 | 0.15 |
|  |  |  |  |  |
| Correcting for proportion of vaccinated at the Health center (67%) | 0.60 | 0.66 | 0.77 | 0.23 |