

**Supplementary Table S1. The size of each of the four hospitals**

Hospitals	Acute care beds	ICU beds	Emergency department visits
St. Luke's International Hospital	520	28	32,000
Japanese Red Cross Medical Center	708	38	25,000
Center Hospital of the National Center for Global Health and Medicine	781	10	22,250
National Hospital Organization Tokyo Medical Center	740	12	7,700

Emergency department visits: total number of patients who visited the hospital by themselves and by ambulance in one year.