Table 6 Correlation between number of hospital beds in private and governmental hospitals and population for the 20 health regions in Saudi Arabia, 2015–2019

Region	r total	Sig. (2-tailed)	r private hospitals	Sig. (2-tailed)	r public hospitals	Sig. (2-tailed)
Riyadh	0.981	0.003	0.960	0.010	0.972	0.006
Makkah	0.631	0.254	NA	NA	0.632	0.254
Jeddah	0.914	0.030	0.822	0.088	0.716	0.174
Madinah	0.779	0.120	0.903	0.036	0.687	0.200
Qaseem	0.779	0.120	-0.817	0.091	0.932	0.021
Eastern	0.989	0.001	0.989	0.001	0.940	0.017
Asier	0.766	0.131	0.155	0.804	0.627	0.258
Tabouk	0.510	0.380	NA	NA	0.510	0.380
Ha'il	0.967	0.007	0.958	0.010	0.965	0.008
Northern border	0.662	0.224	NA	NA	0.662	0.224
Jazan	NA	NA	NA	NA	NA	NA
Najran	0.739	0.154	0.906	0.034	0.459	0.439
Al-Bahah	0.916	0.029	0.916	0.029	NA	NA
Al-Jouf	0.312	0.609	NA	NA	0.312	0.609
Qunfudah	NA	NA	-0.702	0.186	0.702	0.186
Quryat	NA	NA	NA	NA	NA	NA
Besha	0.784	0.116	NA	NA	0.784	0.116
Hafer Al-Baten	0.410	0.493	0.210	0.734	0.890	0.043
Hassa	0.912	0.031	0.920	0.027	0.843	0.073
Ta'if	0.909	0.032	NA	NA	0.909	0.032
Total	0.993	0.001	0.962	0.009	0.991	0.001

Sig. = significance.
NA = not applicable.
Not applicable if the number of beds did not change over the 5 years.
Correlation is significant at the ≤ 0.05 level (2-tailed).