

Supplementary Table 5. Results of network analysis between comorbidities excluding the principal diagnosis

No	KCD-8th code	Degree	Closeness	Betweenness centrality
1	S00-T98	1,018	1.000	76.045
2	R00-R99	566	0.864	13.545
3	F00-F99	242	0.864	17.879
4	Z00-Z99	226	0.792	1.545
5	C00-D48	212	0.864	10.379
6	I00-I99	210	0.826	3.879
7	L00-L99	142	0.864	10.379
8	G00-G99	140	0.792	2.964
9	J00-J99	100	0.760	7.048
10	D50-D89	100	0.792	1.545
11	E00-E90	98	0.704	0.564
12	K00-K93	96	0.731	0.382
13	N00-N99	94	0.760	5.082
14	A00-B99	60	0.704	0.382
15	Q00-Q99	60	0.704	0.382
16	M00-M99	42	0.613	0
17	H00-H59	10	0.559	0
18	O00-O99	8	0.528	0
19	U00-U99	6	0.543	0
20	H60-H95	2	0.514	0