

Supplementary Table 3. Trends in Emergency Room Visits and Deaths within 7 Days between 2014 and 2016 according to the Diseases

A. Monthly number of emergency room visits and deaths within 7 days of myocardial infarction.

Month	Number of ER visits (n)			Ratio of ER visits in 2015 (%)			Number of deaths within 7 days (n)			Ratio of deaths in 2015 (%)		
	2014	2015	2016	2014	2016	2014–2016*	2014	2015	2016	2014	2015	2016
January	2342	2522	2608	107.7	96.7	101.9	225	266	219	118.2	121.5	119.8
February	2341	2410	2714	102.9	88.8	95.4	262	244	269	93.1	90.7	91.9
March	2449	2619	2816	106.9	93.0	99.5	250	257	251	102.8	102.4	102.6
April	2461	2478	2664	100.7	93.0	96.7	247	255	240	103.2	106.3	104.7
May	2443	2545	2742	104.2	92.8	98.2	225	236	276	104.9	85.5	94.2
June [†]	2260	2079	2575	92.0	80.7	86.0	215	205	219	95.3	93.6	94.5
July [†]	2283	2315	2610	101.4	88.7	94.6	213	214	236	100.5	90.7	95.3
August	2313	2367	2571	102.3	92.1	96.9	217	213	234	98.2	91.0	94.5
September	2380	2508	2634	105.4	95.2	100.0	235	237	242	100.9	97.9	99.4
October	2405	2550	2721	106.0	93.7	99.5	252	221	285	87.7	77.5	82.3
November	2368	2400	2765	101.4	86.8	93.5	248	225	267	90.7	84.3	87.4
December	2546	2656	2780	104.3	95.5	99.7	273	282	268	103.3	105.2	104.3

ER, emergency room.

Ratio of ER visits in 2015 (%), Ratio of deaths of 2015: compared with 2014, 2016, and averages of 2014 and 2016, respectively.

*Averages of 2014 and 2016; [†]Values in the Middle East respiratory syndrome epidemic period (June to July).

B. Monthly number of emergency room visits and deaths within 7 days of cardiac arrest.

Month	Number of ER visits (n)			Ratio of ER visits in 2015 (%)			Number of deaths within 7 days (n)			Ratio of deaths in 2015 (%)		
	2014	2015	2016	2014	2016	2014–2016*	2014	2015	2016	2014	2015	2016
January	1336	1600	1876	119.8	85.3	99.6	1054	1267	1499	120.2	84.5	99.3
February	1295	1571	1864	121.3	84.3	99.5	1036	1272	1525	122.8	83.4	99.3
March	1428	1673	1748	117.2	95.7	105.4	1087	1338	1417	123.1	94.4	106.9
April	1313	1547	1613	117.8	95.9	105.7	1024	1212	1292	118.4	93.8	104.7
May	1294	1485	1669	114.8	89.0	100.2	1003	1169	1314	116.6	89.0	100.9
June [†]	1176	1364	1461	116.0	93.4	103.5	893	1097	1123	122.8	97.7	108.8
July [†]	1157	1337	1539	115.6	86.9	99.2	875	1003	1206	114.6	83.2	96.4
August	1212	1329	1575	109.7	84.4	95.4	937	1041	1213	111.1	85.8	96.8
September	1187	1425	1566	120.1	91.0	103.5	926	1114	1227	120.3	90.8	103.5
October	1321	1507	1717	114.1	87.8	99.2	1022	1176	1351	115.1	87.0	99.1
November	1442	1546	1746	107.2	88.5	97.0	1119	1237	1373	110.5	90.1	99.3
December	1618	1733	1865	107.1	92.9	99.5	1308	1386	1488	106.0	93.1	99.1

ER, emergency room

Ratio of ER visits in 2015 (%), Ratio of deaths of 2015: compared with 2014, 2016, and averages of 2014 and 2016, respectively.

* Averages of 2014 and 2016; [†]Values in the Middle East respiratory syndrome epidemic period (June to July).

C. Monthly number of emergency room visits and deaths within 7 days of ischemic stroke.

Month	Number of ER visits (n)			Ratio of ER visits in 2015 (%)			Number of deaths within 7 days (n)			Ratio of deaths in 2015 (%)		
	2014	2015	2016	2014	2016	2014–2016*	2014	2015	2016	2014	2015	2016
January	6427	6155	6609	95.8	93.1	94.4	211	211	227	100.0	93.0	96.3
February	5868	6220	6497	106.0	95.7	100.6	209	200	208	95.7	96.2	95.9
March	6486	6448	6844	99.4	94.2	96.7	167	227	201	135.9	112.9	123.4
April	6448	6365	6421	98.7	99.1	98.9	185	208	172	112.4	120.9	116.5
May	6806	6689	7094	98.3	94.3	96.2	184	172	214	93.5	80.4	86.4
June [†]	6185	5406	6776	87.4	79.8	83.4	197	155	174	78.7	89.1	83.6
July [†]	6103	6197	6846	101.5	90.5	95.7	138	152	192	110.1	79.2	92.1
August	6403	6459	6737	100.9	95.9	98.3	159	165	141	103.8	117.0	110.0
September	6427	6372	6736	99.1	94.6	96.8	185	166	191	89.7	86.9	88.3
October	6393	6449	6737	100.9	95.7	98.2	195	153	189	78.5	81.0	79.7
November	6147	6316	6508	102.7	97.0	99.8	196	167	211	85.2	79.1	82.1
December	6530	6520	6541	99.8	99.7	99.8	208	172	217	82.7	79.3	80.9

ER, emergency room.

Ratio of ER visits in 2015 (%), Ratio of deaths of 2015: compared with 2014, 2016, and averages of 2014 and 2016, respectively.

*Averages of 2014 and 2016; [†]Values in the Middle East respiratory syndrome epidemic period (June to July).

D. Monthly number of emergency room visits and deaths within 7 days of hemorrhagic stroke.

Month	Number of ER visits (n)			Ratio of ER visits in 2015 (%)			Number of deaths within 7 days (n)			Ratio of deaths in 2015 (%)		
	2014	2015	2016	2014	2016	2014–2016*	2014	2015	2016	2014	2015	2016
January	2764	2861	2851	103.5	100.4	101.9	341	344	294	100.9	117.0	108.3
February	2614	2730	2839	104.4	96.2	100.1	322	304	357	94.4	85.2	89.5
March	2890	2860	2816	99.0	101.6	100.2	322	342	361	106.2	94.7	100.1
April	2595	2707	2911	104.3	93.0	98.3	301	353	321	117.3	110.0	113.5
May	2689	2776	2801	103.2	99.1	101.1	306	310	336	101.3	92.3	96.6
June [†]	2372	2415	2345	101.8	103.0	102.4	270	315	251	116.7	125.5	120.9
July [†]	2258	2327	2352	103.1	98.9	101.0	274	264	269	96.4	98.1	97.2
August	2398	2291	2261	95.5	101.3	98.3	285	282	267	98.9	105.6	102.2
September	2505	2482	2503	99.1	99.2	99.1	272	278	299	102.2	93.0	97.4
October	2667	2707	2851	101.5	94.9	98.1	314	334	337	106.4	99.1	102.6
November	2766	2773	2723	100.3	101.8	101.0	333	344	307	103.3	112.1	107.5
December	3068	2906	2849	94.7	102.0	98.2	364	306	294	84.1	104.1	93.0

ER, emergency room.

Ratio of ER visits in 2015 (%), Ratio of deaths of 2015: compared with 2014, 2016, and averages of 2014 and 2016, respectively.

* Averages of 2014 and 2016; [†]Values in the Middle East respiratory syndrome epidemic period (June to July).

E. Monthly number of emergency room visits of low acuity diseases.

Month	Acute gastroenteritis						Acute otitis media					
	Number of ER visits (n)			Ratio of ER visits in 2015 (%)			Number of ER visits (n)			Ratio of ER visits in 2015 (%)		
	2014	2015	2016	2014	2016	2014–2016*	2014	2015	2016	2014	2016	2014–2016*
January	50304	64571	48198	128.4	134	131.1	2080	1931	2168	92.8	89.1	90.9
February	39378	54712	53269	138.9	102.7	118.1	1766	1933	2162	109.5	89.4	98.4
March	37754	40725	45316	107.9	89.9	98	2140	1772	2330	82.8	76.1	79.3
April	34310	37643	43609	109.7	86.3	96.6	3373	2586	3271	76.7	79.1	77.8
May	39456	46071	53001	116.8	86.9	99.7	3628	3331	3708	91.8	89.8	90.8
June [†]	39700	29907	50650	75.3	59	66.2	2447	1118	2315	45.7	48.3	47
July [†]	41653	41856	58852	100.5	71.1	83.3	1808	1276	1987	70.6	64.2	67.2
August	45543	55980	67440	122.9	83	99.1	1632	1843	2009	112.9	91.7	101.2
September	45389	47460	57500	104.6	82.5	92.3	1595	1672	2065	104.8	81	91.4
October	34981	36508	44610	104.4	81.8	91.7	1596	1421	1843	89	77.1	82.6
November	41853	37238	45531	89	81.8	85.2	2890	1828	2606	63.3	70.1	66.5
December	65557	49627	63957	75.7	77.6	76.6	3146	3184	3215	101.2	99	100.1

Month	Acute pharyngotonsillitis						Upper respiratory infection					
	Number of ER visits (n)			Ratio of ER visits in 2015 (%)			Number of ER visits (n)			Ratio of ER visits in 2015 (%)		
	2014	2015	2016	2014	2016	2014–2016*	2014	2015	2016	2014	2016	2014–2016*
January	5376	3063	4460	57	68.7	62.3	38946	25882	33125	66.5	78.1	71.8
February	7237	5661	10220	78.2	55.4	64.9	50043	41433	64308	82.8	64.4	72.5
March	4817	5082	6047	105.5	84	93.6	33855	33065	39248	97.7	84.2	90.5
April	4122	4480	5857	108.7	76.5	89.8	31100	32338	40366	104	80.1	90.5
May	4621	4784	5784	103.5	82.7	92	38143	39821	45074	104.4	88.3	95.7
June [†]	3663	2370	4222	64.7	56.1	60.1	34952	21142	42239	60.5	50.1	54.8
July [†]	2912	2184	4313	75	50.6	60.5	32430	22876	43358	70.5	52.8	60.4
August	2606	3183	3673	122.1	86.7	101.4	27458	32047	36051	116.7	88.9	100.9
September	3242	3689	4950	113.8	74.5	90.1	28088	32644	37979	116.2	86	98.8
October	2613	3022	3915	115.7	77.2	92.6	22084	24425	30147	110.6	81	93.5
November	3027	2862	3868	94.5	74	83	25016	23631	29210	94.5	80.9	87.2
December	2855	3484	8841	122	39.4	59.6	23998	29090	53138	121.2	54.7	75.4

ER, emergency room.

Ratio of ER visits in 2015 (%), Ratio of deaths of 2015: compared with 2014, 2016, and averages of 2014 and 2016, respectively.

* Averages of 2014 and 2016; [†] Values in the Middle East respiratory syndrome epidemic period (June to July).