

Supplementary Table 4 Characteristics of acute coma hospitalization within 14 days

	Total acute coma		Acute coma				p-value	
			Reversible coma		Hospitalization			30-day mortality
	n	(%)	n	(%)	n	(%)	n	(%)
Total	231,516	(100.00)	65,711	(28.38)	50,636	(21.87)	11,5169	(49.75)
Sex								<0.001
Male	125,340	(54.14)	34,157	(51.98)	27,705	(54.71)	63,478	(55.12)
Female	106,176	(45.86)	31,554	(48.02)	22,931	(45.29)	51,691	(44.88)
Age	60.08	±22.53	46.51	±21.33	52.26	±22.72	71.27	±16.65
Age group								<0.001
<18	61,620	(26.62)	32,542	(49.52)	18,623	(36.78)	10,455	(9.08)
18-64	54,757	(23.65)	18,393	(27.99)	14,918	(29.46)	21,446	(18.62)
≥ 65	115,139	(49.73)	14,776	(22.49)	17,095	(33.76)	83,268	(72.30)
CCI index								
CCI≤1	142,468	(61.54)	55,558	(84.55)	34,629	(68.39)	52,281	(45.40)
CCI>1	89,048	(38.46)	10,153	(15.45)	16,007	(31.61)	62,888	(54.60)
Income								
Low	77,350	(33.41)	17,393	(26.47)	13,002	(25.68)	46,955	(40.77)
Middle	82,140	(35.48)	23,532	(35.81)	19,238	(37.99)	39,370	(34.19)
High	72,026	(31.11)	24,786	(37.72)	18,396	(36.33)	28,844	(25.04)
Occupation								
Dependents of the insured individuals	72,965	(31.52)	19,801	(30.13)	16,415	(32.42)	36,749	(31.91)
Civil servants, teachers, military personnel, veterans	2,974	(1.28)	994	(1.51)	703	(1.39)	1,277	(1.11)
Nonmanual workers and professionals	20,109	(8.69)	10,048	(15.29)	5,478	(10.82)	4,583	(3.98)
Manual workers	82,064	(35.45)	19,267	(29.32)	16,492	(32.57)	46,305	(40.21)
Other	53,404	(23.07)	15,601	(23.74)	11,548	(22.81)	26,255	(22.80)
Urbanization								
Urban	156,602	(67.64)	48,471	(73.76)	34,912	(68.95)	73,219	(63.58)
Suburban	71,024	(30.68)	16,143	(24.57)	14,815	(29.26)	40,066	(34.79)
Rural	3,890	(1.68)	1,097	(1.67)	909	(1.80)	1,884	(1.64)
Causes of coma								<0.001
Neurological group	75,399	(32.57)	20,542	(27.24)	26,165	(34.71)	28,692	(38.05)
CNS	41,353	(54.85)	5,237	(25.49)	18,248	(69.74)	17,868	(62.28)
Encephalopathy	9,753	(12.94)	2,015	(9.81)	1,728	(6.60)	6,010	(20.95)
Seizure	4,053	(5.38)	2,184	(10.63)	1,466	(5.60)	403	(1.40)
Trauma	20,240	(26.84)	11,106	(54.06)	4,723	(18.05)	4,411	(15.37)
Medical group	141,892	(61.29)	36,644	(25.83)	21,244	(14.97)	84,004	(59.20)
Alcohol	7,260	(5.12)	6,650	(18.15)	389	(1.83)	221	(0.26)
Cardiovascular	20,753	(14.63)	3,152	(8.60)	1,686	(7.94)	15,915	(18.95)
Digestive	17,023	(12.00)	3,111	(8.49)	1,896	(8.92)	12,016	(14.30)
DM & Insulin	17,795	(12.54)	4,933	(13.46)	2,425	(11.41)	10,437	(12.42)
Drugs	8,362	(5.89)	2,594	(7.08)	2,149	(10.12)	3,619	(4.31)
Electrolyte	813	(0.57)	421	(1.15)	104	(0.49)	288	(0.34)
Endocrine	3,439	(2.42)	1,362	(3.72)	762	(3.59)	1,315	(1.57)
Genitourinary	1,302	(0.92)	178	(0.49)	116	(0.55)	1,008	(1.20)
Hematology	678	(0.48)	256	(0.70)	124	(0.58)	298	(0.35)
Infection	24,906	(17.55)	2,723	(7.43)	5,558	(26.16)	16,625	(19.79)
Musculoskeletal and integumentary	2,301	(1.62)	588	(1.60)	507	(2.39)	1,206	(1.44)
Neoplasm	9,804	(6.91)	222	(0.61)	249	(1.17)	9,333	(11.11)
Renal	4,108	(2.90)	131	(0.36)	342	(1.61)	3,635	(4.33)
Respiratory	10,968	(7.73)	1,421	(3.88)	2,019	(9.50)	7,528	(8.96)
Women's health and perinatal care	12,380	(8.72)	8,902	(24.29)	2,918	(13.74)	560	(0.67)
Functional group	14,225	(6.14)	8,525	(59.93)	3,227	(22.69)	2,473	(17.38)
Psychiatry	5,665	(39.82)	3,008	(35.28)	2,545	(78.87)	112	(4.53)
Symptoms	5,775	(40.60)	4,766	(55.91)	257	(7.96)	752	(30.41)
Syncope	785	(5.52)	612	(7.18)	173	(5.36)	0	(0.00)
Others	2,000	(14.06)	139	(1.63)	252	(7.81)	1,609	(65.06)
Outcome								
ICU	56,648	(28.28)	327	(0.58)	40,207	(70.97)	16,114	(28.45)
LST	161,924	(69.94)	59,493	(36.74)	22,722	(14.03)	79,709	(49.23)
Rehab	108,716	(46.96)	56,008	(51.52)	12,798	(11.77)	39,910	(36.71)
Disable	13,797	(5.96)	1,379	(9.99)	4,972	(36.04)	7,446	(53.97)
Nursing case	5,145	(2.22)	139	(2.70)	941	(18.29)	4,065	(79.01)

CCI: Charlson Comorbidity Index; CI: confidence interval; CNS: central nervous system; ED: emergency department; ICU:

intensive care units; LST: life-sustaining treatment;

Chi-Square Test analyzed category variables distribution among groups; continue variable by One-way ANOVA.