

SUPPLEMENTARY MATERIAL FOR THE ARTICLE “Association between pH and short-term mortality in adult non-traumatic acute visits”

TABLE S1 Distribution of discharge diagnoses by major groups of the International Classification of Diseases, 10th Revision (ICD-10), across pH values for adult non-traumatic visits with arterial blood gas analysis in emergency/acute departments, Region of Southern Denmark, 2016–2018

	Tot. n=64,725	Severe acidosis pH < 7.20 n=1,733	Acidosis pH 7.20–7.34 n=7,317	Normal pH 7.35–7.45 n=35,088	Alkalosis pH > 7.45 n=20,587
A00-B99 Certain infectious and parasitic diseases	4044 (6.2)	93 (5.4)	403 (5.5)	1705 (4.9)	1843 (9.0)
C00-D89 Neoplasm and diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	1530 (2.4)	25 (1.4)	151 (2.1)	741 (2.1)	613 (3.0)
E00-90 Endocrine, nutritional, and metabolic diseases	3340 (5.2)	217 (12.5)	559 (7.6)	1664 (4.7)	900 (4.4)
F00-99 Mental and behavioural disorders	1408 (2.2)	22 (1.3)	255 (3.5)	763 (2.2)	368 (1.8)
G00-99 Diseases of the nervous system	1052 (1.6)	76 (4.4)	202 (2.8)	576 (1.6)	198 (1.0)
I00-99 Diseases of the circulatory system	8045 (12.4)	336 (19.4)	895 (12.2)	4329 (12.3)	2485 (12.1)
J00-99 Diseases of the respiratory system	18903 (29.2)	621 (35.8)	2804 (38.3)	9796 (27.9)	5682 (27.6)
K00-93 Diseases of the digestive system	5384 (8.3)	73 (4.2)	463 (6.3)	2845 (8.1)	2003 (9.7)
L00-99 Diseases of the skin	166 (0.3)	4 (0.2)	10 (0.1)	97 (0.3)	55 (0.3)
M00-99 Diseases of the musculoskeletal	706 (1.1)	3 (0.2)	38 (0.5)	417 (1.2)	248 (1.2)

al system and connective tissue					
N00-99 Diseases of the genitourinary system	2546 (3.9)	65 (3.8)	305 (4.2)	1233 (3.5)	943 (4.6)
O00-99 Pregnancy, childbirth and puerperium	103 (0.2)	0 (0.0)	9 (0.1)	61 (0.2)	33 (0.2)
R00-99 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	12049 (18.6)	138 (8.0)	797 (10.9)	7501 (21.4)	3613 (17.5)
Z00-99 Factors influencing health status and contact with health services	5449 (8.4)	60 (3.5)	426 (5.8)	3360 (9.6)	1603 (7.8)

Data are numbers and percentages.

TABLE S2 Sensitivity analysis of the type of acidosis and 0–2- and 3–7-day mortality among first-time adult acute non-traumatic visits with arterial blood gas analysis in emergency/acute departments, Region of Southern Denmark, 2016–2018

	0–2-day mortality		3–7-day mortality	
	n	Died	n	Died
Total	4,041	407 (10.1)	3,633	213 (5.9)
Respiratory acidosis ^a	2,079 (51.4)	235 (5.8)	1,843 (50.7)	130 (3.6)
Metabolic acidosis ^b	848 (21.0)	93 (2.3)	755 (20.8)	37 (1.0)
Mixed acidosis ^c	1,114 (27.6)	79 (2.0)	1,035 (28.5)	46 (1.3)

Data are numbers and percentages.

a) Defined as pH < 7.35, PaCO₂ > 6.0 kPa.

b) Defined as pH < 7.35, HCO₃⁻ < 21 mmol/L.

c) Defined as the remaining acidotic patients.