

Supplementary Table 1. All recorded attributes and their values together with the class comparison and reason of exclusion

Attribute	Airway management		P-value	Reason of exclusion
	Yes (n = 1,451)	No (n = 24,105)		
Trauma site				No causality
Unknown	1.31	0.71	0.01 ^{a)}	
Home	24.60	28.43	< 0.01 ^{a)}	
Retirement home	2.00	3.07	0.02 ^{a)}	
Workplace	7.79	6.84	0.16	
Medical practice	0.21	0.54	0.09	
Street	44.59	44.31	0.80	
Public space	10.61	8.97	0.03 ^{a)}	
Hospital	1.45	1.24	0.48	
Mass event	0.14	0.19	0.67	
Educational institution	2.83	0.87	< 0.01 ^{a)}	
Sport facility	1.03	1.47	0.18	
Birth center	0.55	0.39	0.33	
Other	2.89	2.98	0.80	
Transportation				No causality
Ground	59.06	86.34	< 0.01 ^{a)}	
Air	1.59	1.82	0.50	
Ambulant	39.35	11.84	< 0.01 ^{a)}	
Emergency vehicle			< 0.01 ^{a)}	No causality
Ground ambulance	55.75	89.36		
Air ambulance	44.25	10.64		
Specialist and qualification				Preprocessing, left out for generalization
Anesthetist	65.61	53.58	< 0.01 ^{a)}	
Anesthetist with qualification in intensive care medicine	12.68	10.14	< 0.01 ^{a)}	
Other	19.92	33.34	< 0.01 ^{a)}	
Other with qualification in intensive care medicine	1.79	2.94	0.01 ^{a)}	
State of awareness				Preprocessing
Other	0.34	0.40	0.75	
Awake	69.06	84.22	< 0.01 ^{a)}	
Unconscious	5.93	1.50	< 0.01 ^{a)}	
Reacts to speech	7.51	6.16	0.04 ^{a)}	
Reacts to pain	3.86	1.90	< 0.01 ^{a)}	
Sedated	7.31	1.56	< 0.01 ^{a)}	
Unknown	6.00	4.26	< 0.01 ^{a)}	
Dementia				No causality
Yes	0.76	1.39	< 0.01 ^{a)}	
No	99.24	98.61		
Pathologic neurologic examination			< 0.01 ^{a)}	Preprocessing
Yes	9.92	6.47		
No	90.08	93.53		
Skin				Preprocessing
Other	11.99	8.60	< 0.01 ^{a)}	
Normal	29.57	66.85	< 0.01 ^{a)}	
Exsiccosis	1.31	3.56	< 0.01 ^{a)}	
Oedema	0.41	0.61	0.35	
Cold sweat	9.51	4.11	< 0.01 ^{a)}	
Missing value	47.21	16.28	< 0.01 ^{a)}	
Aggressive			0.30	Preprocessing
Yes	8.34	7.57		
No	91.66	92.43		

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Supplementary Table 1. (Continued)

Attribute	Airway management		P-value	Reason of exclusion
	Yes (n = 1,451)	No (n = 24,105)		
Confusion			< 0.01 ^{a)}	Preprocessing
Yes	9.10	12.75		
No	90.90	87.25		
Acute CNS deficiency				Preprocessing
None	96.76	97.64	0.03 ^{a)}	
Seizure	1.03	1.03	0.99	
Stroke/bleeding	2.14	0.93	< 0.01 ^{a)}	
Other	0.07	0.39	0.049 ^{a)}	
Pulmonary embolism			0.50	Too rare
Yes	0	0.03		
No	100	99.97		
Acute cardiac disease			< 0.01 ^{a)}	Too rare
Yes	1.38	2.61		
No	98.62	97.39		
Bronchial spasm			0.10	Too rare
Yes	0	0.16		
No	100	99.84		
Aspiration/hemoptysis			< 0.01 ^{a)}	Too rare
Yes	0.76	0.02		
No	99.24	99.98		
Pneumothorax			0.04 ^{a)}	Too rare
Yes	0.07	0.01		
No	99.93	99.99		
Intoxication			< 0.01 ^{a)}	Too rare
Yes	0.90	2.15		
No	99.10	97.85		
Anaphylaxis			0.34	Too rare
Yes	0	0.06		
No	100	99.94		
Sepsis			0.48	Too rare
Yes	0	0.03		
No	100	99.97		
Hypothermia/hyperthermia			0.39	Too rare
Yes	0.69	0.52		
No	99.31	99.48		
Palliative condition			0.50	Too rare
Yes	0	0.02		
No	100	99.98		
Acute infection			0.40	Too rare
Yes	0.14	0.23		
No	99.86	99.77		
Acute abdomen			0.20	Too rare
Yes	0.41	0.26		
No	99.59	99.74		
Acute nontraumatic disease (summarized)			0.02 ^{a)}	Too rare
Yes	9.17	11.06		
No	90.83	88.94		
Upper limb			< 0.01 ^{a)}	Wrapper
None	80.36	64.33		
Mild	4.96	16.64		
Moderate	8.68	16.66		
Severe	6.00	2.37		

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Supplementary Table 1. (Continued)

Attribute	Airway management		P-value	Reason of exclusion
	Yes (n = 1,451)	No (n = 24,105)		
Severe limb trauma (summarized)			< 0.01 ^{a)}	Wrapper
Yes	15.58	3.99		
No	84.42	96.01		
Soft parts				Wrapper
None	89.32	93.03	< 0.01 ^{a)}	
Mild	3.58	4.52	0.10 ^{a)}	
Moderate	3.79	1.98	< 0.01 ^{a)}	
Severe	3.31	0.47	< 0.01 ^{a)}	
Burn			< 0.01	Too rare
Yes	1.17	0.48		
No	98.83	99.52		
Acute inhalation injury			< 0.01	Too rare
Yes	0.76	0.11		
No	99.24	99.89		
Electrical accident			0.80	Too rare
Yes	0.14	0.12		
No	99.86	99.88		
Chemical burn			0.60	Too rare
Yes	0	0.02		
No	100	99.98		
Diving accident			0.35	Too rare
Yes	0	0.01		
No	100	99.99		
Other trauma			0.35	Too rare
Yes	1.10	1.40		
No	98.90	98.60		
Neck collar			< 0.01 ^{a)}	Wrapper
Yes	63.89	33.36		
No	36.11	66.64		
Mechanism of trauma				No causality
Blunt	57.89	78.45	< 0.01 ^{a)}	
Penetrating	4.14	5.58	0.02 ^{a)}	
Unknown	37.97	15.96	< 0.01 ^{a)}	
Circumstances of trauma				No causality, further details needed
Biker	11.65	9.94	0.03 ^{a)}	
Violent felony	4.48	1.68	< 0.01 ^{a)}	
Vehicle occupant	18.47	17.47	0.30	
Pedestrian	3.79	4.28	0.37	
Fall				
< 3 m	24.47	30.98	< 0.01 ^{a)}	
> 3 m	10.54	7.60	< 0.01 ^{a)}	
Bicyclist	12.06	11.82	0.78	
Assault	1.72	1.40	0.31	
Stabbed	0.34	0.64	0.16	
Shot	0	0.06	0.34	
Machine accident	0.55	0.71	0.47	
Burying	0.34	0.18	0.15	
Other modes of transport	0.83	0.92	0.71	
Other	4.89	6.37	0.02 ^{a)}	
Unknown	5.86	5.93	0.43	

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Supplementary Table 1. (Continued)

Attribute	Airway management		P-value	Reason of exclusion
	Yes (n = 1,451)	No (n = 24,105)		
Crystalloid infusion			< 0.01 ^{a)}	Too general
Yes	93.87	86.02		
No	6.13	13.98		
Blood products			< 0.01 ^{a)}	Too rare
Yes	0.55	0.01		
No	99.45	99.99		
Blood glucose level (mg/dL)	159.77 ± 101.29	139.51 ± 81.73	< 0.01 ^{a)}	No causality
Age (yr)	54.88 ± 21.44	55.8 ± 22.28	0.13	Wrapper
Temperature (°C)	37.59 ± 9.28	38.38 ± 36.5	0.14	No causality
Systolic blood pressure <90 mmHg			< 0.01 ^{a)}	Preprocessing
No	93.59	96.22		
Yes	6.41	3.78		
Glasgow Coma Scale <9			< 0.01 ^{a)}	Preprocessing
No	85.87	96.67		
Yes	14.13	3.33		
Transport time (min)	10.58 ± 10.13	11.28 ± 10.53	0.01	No causality
Total	35.15	26.61	< 0.01 ^{a)}	Preprocessing
< 10	32.67	33.60		
11–20	7.31	12.45		
21–30	3.65	3.37		
31–45	1.03	0.85		
> 45	20.19	23.11		
Time on side (min)	24.32 ± 19.75	20.35 ± 14.97	< 0.01 ^{a)}	No causality
Total	6.00	12.56	< 0.01 ^{a)}	Preprocessing
< 15	41.42	45.48		
15–30	22.81	17.23		
31–45	8.34	3.51		
46–60	2.69	1.07		
> 60	18.75	20.15		
Prehospital time (min)	44.81 ± 38.25	41.40 ± 36.75	< 0.01 ^{a)}	No causality
Total	1.03	2.24	< 0.01 ^{a)}	Preprocessing
< 30	9.65	13.76		
30–45	23.64	24.07		
46–60	29.22	24.31		
61–90	6.27	4.73		
> 90	30.19	30.89		
Male sex	72.00	60.00	< 0.01 ^{a)}	No causality

Values are presented in percentage or mean ± standard deviation.

Some attributes were combined because they appeared too rarely. For example, the diagnosis of hypertensive emergency, pulmonary oedema, myocardial infarction, and other acute cardiac diseases were combined to "acute cardiac disease."

CNS, central nervous system.

^{a)}Statistically significant value (P < 0.05).