	Date:	Time:
ID:		
Prehospital triage		Trauma □ Yes □ No
1. Discriminator list		No match:
RED PRIORITY	ORANGE PRIORITY	YELLOW PRIORITY
-EMERGENCY-	-VERY URGENT- Allergic reaction, acute	-URGENT- Baby < 2 month
	Battery swallowed	Baby < 2 month
Unconscious patient	Consciousness, reduced/lethargic	
Haemorrhage, major		
Burn, face/inhalation/circumferential		Burn: minor
, > 9% or high voltage	Fracture, compound or displaced, or	Fractur, closed or ankle fracture
Fracture with suspected vascular injury	dislocated joint	< 8 h. since trauma
Cyanosis, central (SpO2 < 90 %)	Chest pain, current	
Downing Fever and neutropenic, immunodeficient	Dehydration, no urine past 12 h.	Dehydration, little urine last 24 h.
or baby < 3 month	Intoxication or poisoning	
Cardiac arrest/CPR	Headache, acute and intense	
Head injury, severe GCS under 9	Head injury, moderate GCS 9-13	Head injury, minor GCS 14-15
Hypoglycemia, blood glucose < 3 mmol/L	Hyperglycaemia, blood glucose > 11 mmol/L and shortness of breath	
Convulsions, current	Neurological deficits, acute	Convulsions, now alert
Airway, airway at risk, intubated or foreign body	Vomiting, fresh blood or bile-coloured	Vomiting or diarrhoea, persistent
Scrotum, acute and severe pain	Pain, acute severe or inconsolable crying	Pain, moderate
Trauma, seriously injured patient		
Shortness of breath, very laboured, obstructive or apnoea	Shortness of breath, moderate laboured/obstructive	Shortness of breath, somewhat laboured or obstructive
obstructive of aprioca	Eye injury, caustic or penetrating	or obstructive
2. TEWS - Triage early warning score		
Time Height Weight	Head Circum. BP	GCS Glucose
Time Height Weight	circum. BP	GCS Glucose
Tp RR SpO ₂	Pulse Cap.re	AVPU <u>TEWS</u>
Optionally upgrade by clinical judgement:	≥7 5-6 3-4 0-2	
-		
3. TRIAGE PRIORITY LEVEL		
	Nurse sig	yn Time
	Physician	sign Time

TEWS Newborn < 1 month	3	2	1	0	1	2	3
Respiratory rate	< 25		25 - 39	40 - 55	56 - 64	65 - 79	≥ 80
SpO ₂	< 90 % with O ₂	> 90 % with O ₂	90 - 95 % without O ₂	> 95 %			
Heart rate	< 85		85 - 99	100 - 160	161 - 169	170 - 189	≥ 190
Capillary refill time				1 - 2 sec	3 sec.		≥ 4 sec.
AVPU				A: Awake and alert	V: Reacts to voice	P : Reacts to pain	U: Unresponsive
Temperature		Feels cold or < 36°		36°- 38°		≥ 38.1°	
Mobility				Normal for age		Unable to move as normal	
TEWS Child 1-12 month	3	2	1	0	1	2	3
Respiratory rate	< 20		20 - 34	35 - 45	46 - 54	55 - 69	≥ 70
SpO ₂	< 90 % with O ₂	> 90 % with O ₂	90 - 95 % without O ₂	> 95 %			
Heart rate	< 80		80 - 99	100 - 160	161 - 169	170 - 189	≥ 190
Capillary refill time				1 - 2 sec	3 sec.		≥ 4 sec.
AVPU				A: Awake and alert	V: Reacts to voice	P: Reacts to pain	U: Unresponsiv
Temperature		Feels cold or < 36°		36°- 38°	38.1°- 39°	≥ 39.1°	
Mobility				Normal for age		Unable to move as normal	
TEWS Child 1-3 years	3	2	1	0	1	2	3
Respiratory rate	< 20		20 - 24	25 - 35	36 - 44	45 - 59	≥ 60
SpO ₂	< 90 % with O ₂	> 90 % with O ₂	90 - 95 % without O ₂	> 95 %			
Heart rate	< 70		70 - 89	90 - 130	131 - 139	140 - 159	≥ 160
Capillary refill time				1 - 2 sec	3 sec.		≥ 4 sec.
AVPU		Acute confusion		A: Awake and alert	V: Reacts to voice	P: Reacts to pain	U: Unresponsiv
Temperature		Feels cold or < 36°		36°- 38°	38.1° - 39°	≥ 39.1°	
Mobility				Normal for age		Unable to move as normal	

TEWS								
Child 4-6 years	3	2	1	0	1	2	3	
Respiratory rate	< 15		15 - 19	20 - 24	25 - 29	30 - 44	≥ 45	
SpO ₂	< 90 % with O ₂	> 90 % with O ₂	90 - 95 % without O ₂	> 95 %				
Heart rate	< 60		60 - 69	70 - 120	121 - 129	130 - 149	≥ 150	
Capillary refill time				1 - 2 sec	3 sec.		≥ 4 sec.	
AVPU		Acute confusion		A: Awake and alert	V: Reacts to voice	P : Reacts to pain	U: Unresponsive	
Temperature		Feels cold or < 36°		36°- 38°	38.1°- 39°	≥ 39.1°		
Mobility				Normal for age		Unable to move as normal		
TEWS Child 7-12 years	3	2	1	0	1 2		3	
Respiratory rate	< 14		14 - 18	19 - 22	23 - 29	30 - 39	≥ 40	
SpO ₂	< 90 % with O ₂	> 90 % with O ₂	90 - 95 % without O ₂	> 95 %				
Heart rate	< 60		60 - 69	70 - 110	111 - 119	120 - 139	≥ 140	
Capillary refill time				1 - 2 sec	3 sec.		≥ 4 sec.	
AVPU		Acute confusion		A: Awake and alert	V: Reacts to voice	P: Reacts to pain	U: Unresponsive	
Temperature		Feels cold or < 36°		36°- 38°	38.1° - 39°	≥ 39.1°		
Mobility				Normal for age		Unable to move as normal		
TEMO	T				ı			
TEWS Youth 13-14 years	3	2	1	0	1	2	3	
Respiratory rate	< 9		9 - 13	14 - 19		20 - 29	≥ 30	
SpO ₂	< 90 % with O ₂	> 90 % with O ₂	90 - 95 % without O ₂	> 95 %				
Heart rate	< 45		45 - 54	55 - 95 96 - 114 115 - 12		115 - 129	≥ 130	
Capillary refill time	≤ 70	71 - 80	81 - 100	101 - 180		≥ 180		
AVPU		Acute confusion		A: Awake and alert	V: Reacts to voice	P : Reacts to pain	U: Unresponsive	
Temperature		Feels cold or < 36°		36°- 38°	38.1°- 39°	≥ 39.1°		
Mobility				Normal for age		Unable to move as normal		

Figure S2. Overview of the recruitment of patients in the emergency department (ED) by number.

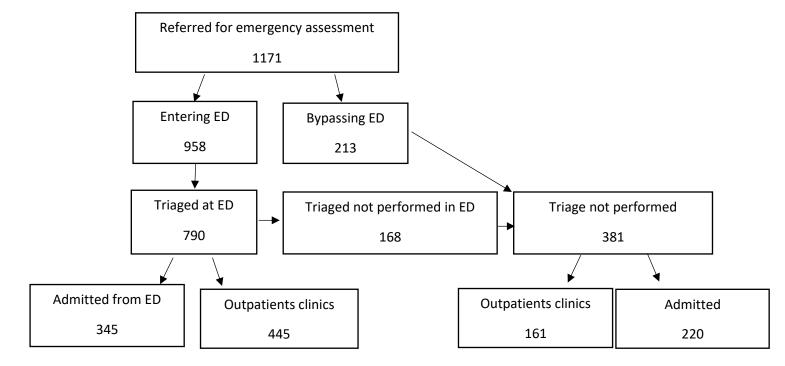


Table S1 Overview of the patients categorized into the non-urgent triage priority green and the distribution of diagnosis at discharge compared to all of the included patients.

Diagnosis	Green admitted to ward	Green discharged from ED	Green total	All patients	All admitted patients
	n (%)	n	N (%)	%	%
Upper respiratory airway diseases	7(11%)	54	61(20%)	21%	27%
Lower respiratory airway diseases	5(19%)	21	26(9%)	16%	56%
Gastrointestinal disease	16(36%)	28	44(15%)	14%	53%
Renal diseases	6(33%)	12	18(6%)	5%	50%
Other infections	19(34%)	37	56(19%)	14%	42%
Miscellaneous	26(37%)	44	70(23%)	17%	37%
Neurological disease	11(48%)	12	23(8%)	12%	54%
Cardiovascular disease	0(0%)	1	1(0.3%)	0.7%	60%
Injury	0(0)	2	2(0.7%)	0.6%	40%
Total	90(30%)	211	301(100%)	100%	44%

Table S2 Overview of the patients categorized into the urgent triage priority yellow and the distribution of diagnosis at discharge compared to all of the included patients. The internal distribution of triage early warning score (TEWS) in the yellow priority group.

Diagnosis	Yellow admitted to ward	admitted discharged		All patients	All admitted patients
	n (%)	n	N (%)	%	%
Upper respiratory airway diseases	21(32%)	44	65(21%)	21%	27%
Lower respiratory airway diseases	32(56%)	25	57(19%)	16%	56%
Gastrointestinal disease	30(62%)	22	52(17%)	14%	53%
Renal diseases	8(53%)	7	15(5%)	5%	50%
Other infections	11(34%)	21	32(11%)	14%	42%
Miscellaneous	14(37%)	24	38(13%)	17%	37%
Neurological disease	15(38%)	24	39(13%)	12%	54%
Cardiovascular disease	2(67%)	1	3(1%)	0.7%	60%
Injury	1(50%)	1	2(0.7%)	0.6%	40%
Total	169(44%)	169	303(100%)	100%	44%
TEWS 0-1-2	73	86	159		
TEWS 3-4	56	80	136		

Table S3 Descriptive data on triage priority and recourses used

Triage priority		Number of I	% use of any resource		
	0	1	2	3	
Red	44	17	6	1	
Orange	85	22	3	0	23%
Yellow	281	21	1	0	7%
Green	278	22	1	0	8%
Total	696	82	11	1	12%

Table S4 Comparing the odds ratio of being hospitalized or using resources compared to priority green. The calculations are based om binary logistic regression with *hospitalization* or the need for *one or more resources* as dependent variable and triage level as categorical covariate, priority green set to reference category.

Odds ratio for hospitalization according to triage priority

Triage priority	Odds ratio (95% Confidence interval)	p-value
Red	9.9 (5.2-19.1)	<0.001
Orange	5.3 (2.8-10.2)	<0.001
Yellow	3.2 (1.5-6.4)	0.002
Green	Reference category	-
Blue	-	-

Odds ratio for resource utilization according to triage priority

Triage priority	Odds ratio (95% Confidence interval)	p-value
Red	5.2 (2.6-10.4)	<0.001
Orange	5.5 (2.7-11.1)	<0.001
Yellow	1.6 (0.8-3.3)	0.214
Green	Reference category	-
Blue	-	-

Table S5 Reliability study

Percentage of exact agreement with expert's opinion was 92%. Intraclass correlation coefficient by Cronbach's alpha of 0.993 (95 % CI 0.985-0.998, p < 0.001).

Nurse	Expert											
1	2	3	4	5	6	7	8	9	10	11	12	
2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	2	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	3	2	3	2	2	3	2	3	3	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	1	2	2	2
4	4	4	4	4	4	4	4	4	4	4	4	4
2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	2	1	2	1	1	1
3	3	3	3	3	3	3	3	3	3	3	3	3