Supplementary Table S1. Adjustment for multiple testing (19 inferential tests)

Test	Unadjusted p	BH q	Holm p
Number of injured regions, >50 vs. ≤50 mg/dL (Mann-Whitney U)	0.002	0.004	0.021
Extremity involvement (chi-square, Yates)	0.074	0.141	0.744
Hospital admission (chi-square, Yates)	0.120	0.190	1.000
Length of stay among admitted (Mann-Whitney U)	0.591	0.721	1.000
Mortality (Fisher's)	1.000	1.000	1.000
Surgical intervention (chi-square, Yates)	0.589	0.721	1.000
BAC × number of injured regions (Spearman's)	<0.001	<0.001	<0.001
BAC × ALT (Spearman's)	<0.001	<0.001	<0.001
BAC × AST (Spearman's)	<0.001	<0.001	<0.001
Head/brain involvement (chi-square, Yates)	0.032	0.067	0.351
Cervical involvement (Fisher's)	1.000	1.000	1.000
Thoracic involvement (chi-square, Yates)	0.607	0.721	1.000
Abdominal involvement (Fisher's)	0.773	0.864	1.000
Pelvic involvement (Fisher's)	0.499	0.721	1.000
Jonckheere-Terpstra trend, number of injured regions	<0.001	<0.001	0.002
BAC × hemoglobin (Spearman's)	<0.001	<0.001	0.002
BAC × urea (Spearman's)	0.001	0.004	0.017
BAC × creatinine (Spearman's)	0.117	0.190	1.000
BAC × length of hospital stay (Spearman's)	0.007	0.017	0.087

BH q: Benjamini-Hochberg false-discovery-rate adjusted p value; Holm p: Holm-adjusted p value. Comparisons are between patients with blood ethyl alcohol >50 mg/dL (n=79) and ≤50 mg/dL (n=372) unless stated otherwise. The sex and age comparisons are descriptive and were not included in the test family.
ALT: Alanine aminotransferase, AST: Aspartate aminotransferase

Supplementary Table S2. Documented evaluation rates and region involvement among evaluated patients

Region	Evaluated, >50 mg/dL (n=79)	Evaluated, ≤50 mg/dL (n=372)	p (evaluation)	Involved among evaluated, >50 mg/dL	Involved among evaluated, ≤50 mg/dL	p (involvement)
Head/brain	31 (39.2%)	105 (28.2%)	0.059	24/31 (77.4%)	70/105 (66.7%)	0.359
Cervical	1 (1.3%)	16 (4.3%)	0.329	1/1 (100.0%)	9/16 (56.2%)	1.000[a]
Thorax	13 (16.5%)	49 (13.2%)	0.472	10/13 (76.9%)	37/49 (75.5%)	1.000[a]
Abdomen	5 (6.3%)	21 (5.6%)	0.792	4/5 (80.0%)	17/21 (81.0%)	1.000[a]
Pelvis	6 (7.6%)	16 (4.3%)	0.246	4/6 (66.7%)	12/16 (75.0%)	1.000[a]
Extremities	35 (44.3%)	178 (47.8%)	0.620	24/35 (68.6%)	76/178 (42.7%)	0.009

Evaluation=documented clinical and/or radiological evaluation of the region in the medical record. Evaluation rates were compared with Fisher's exact test. Involvement among evaluated patients was compared with the chi-square test with Yates' continuity correction or [a] Fisher's exact test when any expected cell count was below 5. No regional evaluation was documented for 78 patients (17.3%). These comparisons are sensitivity analyses; the primary region-level analyses (Table 4) include all 451 patients.

Supplementary Table S3. Exploratory sensitivity analyses for extremity involvement

Model	n (events)	Exposure	Adjusted OR (95% CI)	p
Primary model (Table 5): age linear	451 (100)	BAC >50 vs. ≤50 mg/dL	1.71 (0.99-2.97)	0.056
Age as cubic B-spline (3 df)	451 (100)	BAC >50 vs. ≤50 mg/dL	1.65 (0.94-2.88)	0.078
Restricted to documented extremity evaluation	213 (100)	BAC >50 vs. ≤50 mg/dL	2.86 (1.31-6.24)	0.008
Three alcohol categories	451 (100)	>0-50 vs. 0 mg/dL	2.50 (1.31-4.77)	0.005
		>50 vs. 0 mg/dL	2.00 (1.14-3.53)	0.017
Continuous BAC	451 (100)	per 10 mg/dL	1.04 (1.01-1.07)	0.022

All models adjusted for age and sex. These analyses were not pre-specified and are not corrected for multiple testing; they are presented as hypothesis-generating.
BAC: Blood ethyl alcohol concentration, OR: Odds ratio, CI: Confidence interval (Wald)