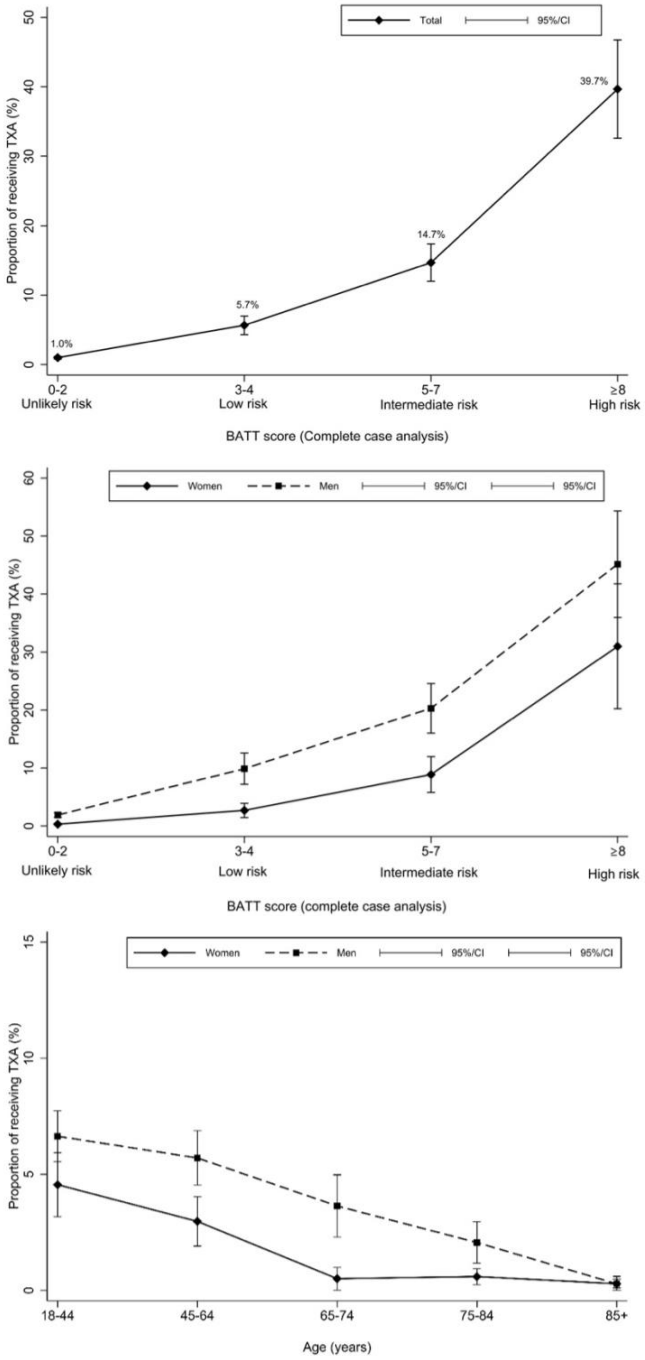
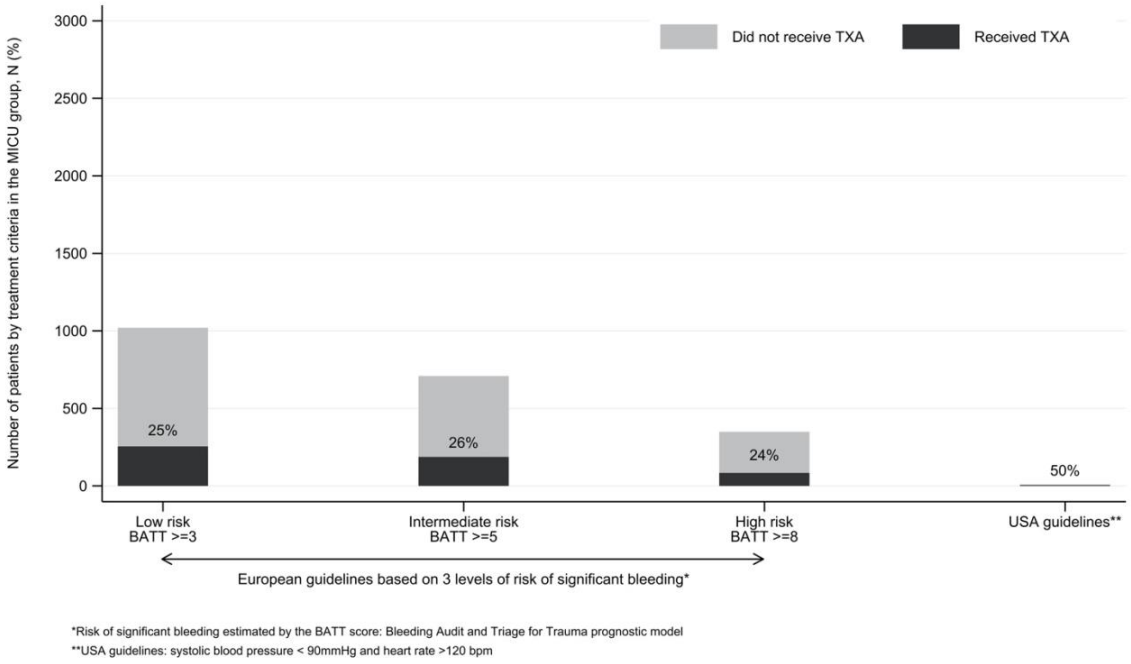
Supplementary material

Supplemental file 1: Complete case sensitivity analysis (i.e. without the multiple imputation) of the proportion of tranexamic acid administration according to the baseline risk of death from bleeding, sex and age, Vaud, Switzerland, 2018-2021



Supplemental file 2: Number and proportion of patient treated by tranexamic acid according to different treatment criteria in the mobile intensive care unit (MICU) group, Vaud, Switzerland, 2018-2021.

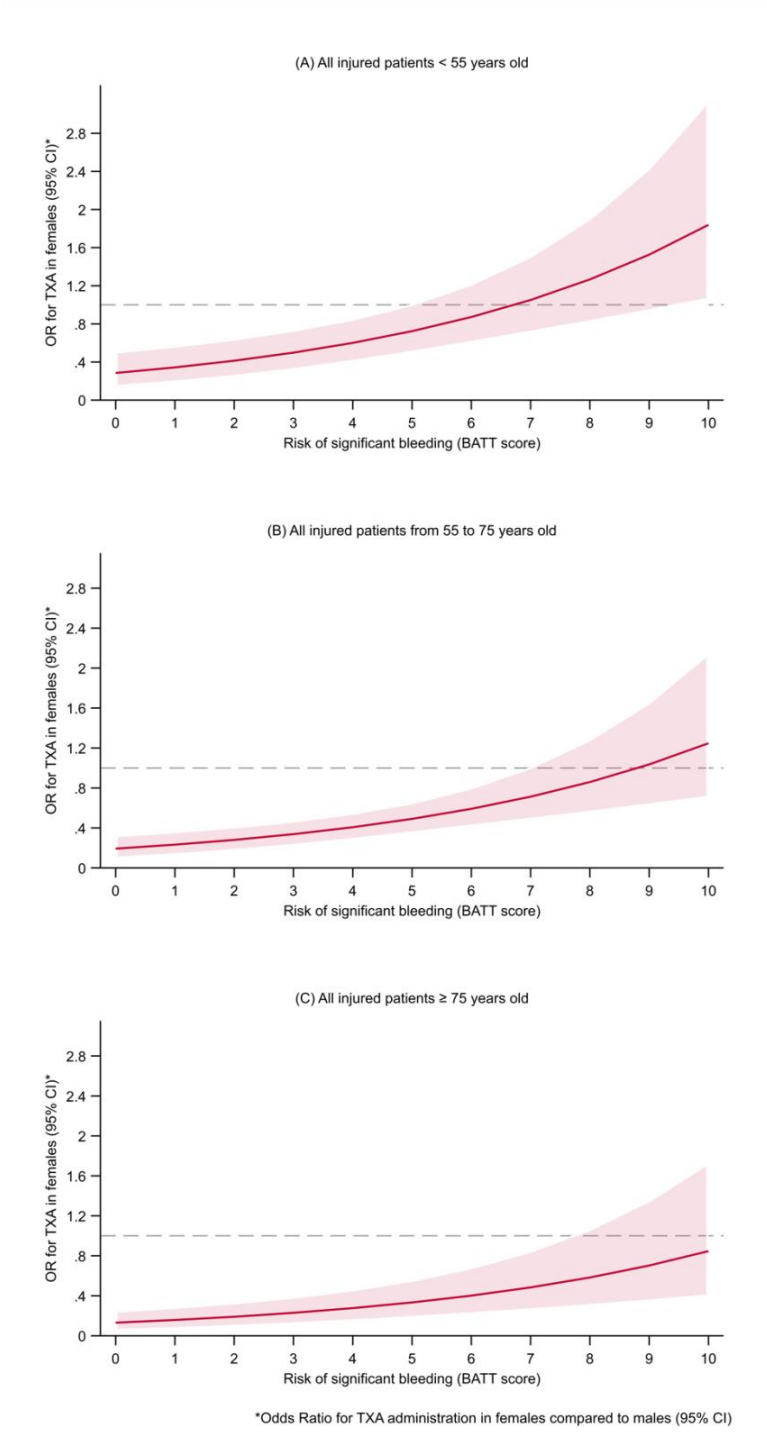


Supplemental file 3: Logistic regression model for tranexamic acid administration, Vaud, Switzerland, 2018-2021

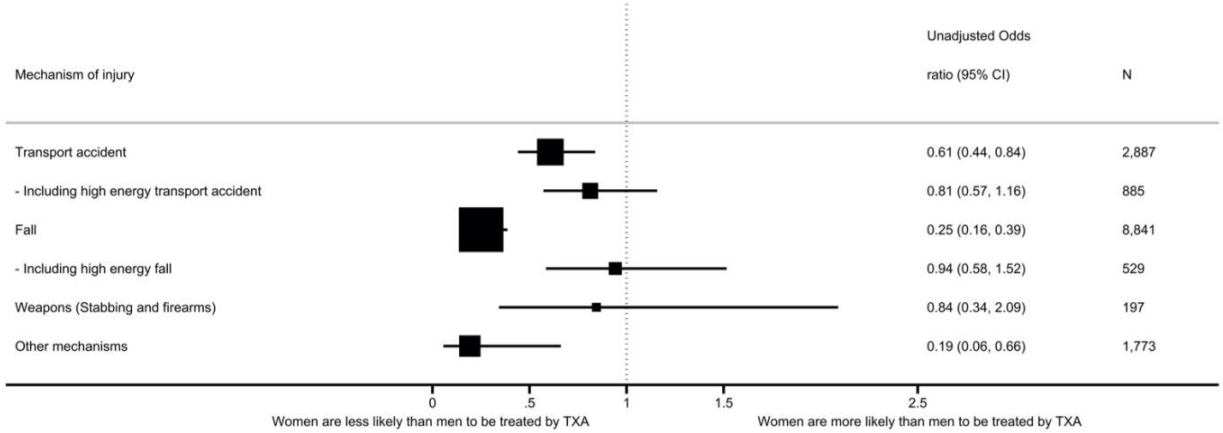
	Odds ratio	95% CI	P value (Wald test)
Sex, female	0.75	0.58-0.99	0.042
BATT score*	2.02	1.54-2.64	<0.001
BATT score^2 (quadratic)	0.94	0.90-0.98	0.001
BATT score^3 (cubic)	1.00	1.00-1.00	0.006
High energy trauma	16.01	11.02-23.38	<0.001
Penetrating trauma	7.21	4.39-11.86	<0.001
Age	1.05	1.02-1.09	0.001
Age^2 (quadratic)	0.99	0.99-0.99	<0.001
Interaction term			
Sex, female x BATT score	1.14	1.04-1.26	0.007
Sex, female x age	1.42	1.07-1.89	0.015
Sex, female x age^2	-		0.009
Sex, female x age^3	-		0.006
Sex, female x high energy	4.81	1.49-15.56	0.009
Age x high energy	1.03	1.02-1.05	<0.001

N=13 936, R^2=0.40, auroc=0.95 (0.94-9.96)
*BATT score predicted the risk of death from bleeding and the risk of early death and included systolic blood pressure, respiratory rate, heart rate, Glasgow coma scale.

Supplemental file 4: Gender odds ratio for tranexamic acid treatment by risk of significant bleeding and age, Vaud, Switzerland, 2018-2021



Supplemental file 5: Probability of being treated by mechanisms of injury and sex, Vaud, Switzerland, 2018-2021



Supplemental file 6: Distribution of injury mechanisms by sex, Vaud, Switzerland, 2018-2021

	Total (n=13 944)	**Women (n=7660)**	**Men (n=6277)**
Transport accident	2891 (21%)	1027 (13%)	1860 (30%)
Weapons	198 (1%)	44 (1%)	153 (2%)
Struck/crush	241 (2%)	49 (1%)	191 (3%)
Fall	8841 (63%)	5671 (74%)	3170 (51%)
Unknown	1773 (13%)	869 (11%)	903 (14%)

Supplemental file 7: Distribution of injury mechanisms by age, Vaud, Switzerland, 2018-2021

	Total (n=13 944)	**< 40 years (n=2380)**	**40-54 years (n=1678)**	**55-74 years (n=2836)**	**≥ 75 years (n=7042)**
Transport accident	2891 (21%)	1041 (44%)	659 (39%)	697 (25%)	490 (7%)
Weapons	198 (1%)	89 (4%)	47 (3%)	31 (1%)	30 (<0.5%)
Struck / crush	241 (2%)	149 (6%)	45 (3%)	23 (1%)	23 (<0.5%)
Fall	8841 (63%)	666 (28%)	633 (38%)	1713 (60%)	5829 (83%)
Unknown	1773 (13%)	435 (18%)	294 (18%)	372 (13%)	670 (10%)

Supplemental file 8: Gender odds ratio for the mobile intensive care unit (MICU) dispatched by age, Vaud, Switzerland, 2018-2021