

Dataset (1): ACIT Dataset that includes 1671 trauma patient Datasets used in this manuscript **Normal Dataset**

Dataset (2): 252 Trauma patients that were alive at 24h and had full coagulation factor concentration measurements

Dataset (3): 96 Trauma patients who died within the first 24h with full coagulation factor concentration measurements available at 0h and 6h

Dataset (4): Samples from 20 normal individuals, with CAT and coagulation factor concentration measurements

135 samples spiked with isolated coagulation factors, followed by CAT and concentration measurements

Dataset (9): Samples from 5 normal individuals, with CAT and coagulation factor concentration measurements

Dataset (5): 40 Trauma patients that included CAT measurements

Dataset (6): 8 Trauma patients who showed good clinical recovery

Dataset (7): 115 samples to study coagulation factor characteristics

Dataset (8): 20 samples designated for validation

