

Table S12. Doubly robust IPTW cox regression model (expanded adjustment)

Variable	Hazard ratio (HR)	95% confidence interval	p-value
Granulocyte Transfusion (GT)	0.134	0.036-0.502	0.003
Active Disease Status	3.697	1.148-11.911	0.028
Fungal infection	0.655	0.188-2.287	0.508
MDR infection	0.988	0.267-3.654	0.984

Note: The model includes stabilized IPTW weights and covariate adjustment for GT, disease status, fungal infection, and MDR infection in the hematologic subgroup (n = 48).