Hazard ratio for Alive ––> Alive in CR

Variable	Group	HR (95% CI)	p-value
gender	Female (N=1439)	reference	
	Male (N=1764)	1.02 (0.94 – 1.11)	0.647
age	(N=3203)	0.20 (0.15 – 0.26)	<0.001 ***
ahd	no (N=174)	reference	
	yes (N=3029)	1.26 (0.85 – 1.87)	0.254
perf_status	Fully active (N=2329)	reference	
	Restricted in physical activity (N=699)	0.98 (0.88 – 1.10)	0.758
	capable of selfcare but no work activities (N=121)	1.11 (0.86 – 1.43)	0.418
	limited selfcare (N=54)	0.94 (0.66 – 1.34)	0.73
	completely disabled (N=0)	reference	
bm_blasts	(N=3203)	0.94 (0.79 – 1.12)	0.488
secondary	1 (N=2852)	reference	
	2 (N=251)	0.74 (0.53 – 1.03)	0.071
	3 (N=100)	0.79 (0.60 – 1.04)	0.096
wbc	(N=3203)	0.74 (0.46 – 1.18)	0.207
hb	(N=3203)	1.42 (0.95 – 2.11)	0.087
plt	(N=3203)	0.53 (0.20 – 1.38)	0.194
full_component_t_15_17	(N=3203)	1.35 (0.90 – 2.02)	0.144
full_component_inv_16	(N=3203)	1.58 (1.11 – 2.25)	0.01 *
full_component_t_8_21	(N=3203)	1.21 (0.85 – 1.72)	0.283
full_component_t_11	(N=3203)	1.33 (1.02 – 1.74)	0.038 *
full_component_t_6_9	(N=3203)	0.85 (0.56 – 1.30)	0.458
full_component_inv_3	(N=3203)	0.41 (0.25 – 0.69)	<0.001 ***
full_component_additions	(N=3203)	0.98 (0.82 – 1.17)	0.811
full_component_TP53_complex	(N=3203)	0.81 (0.64 – 1.03)	0.086
full_component_NPM1	(N=3203)	1.37 (1.01 – 1.85)	0.042 *
full_component_CEBPA_bi	(N=3203)	1.37 (0.99 – 1.91)	0.059
full_component_DNMT3A_IDH1_2	(N=3203)	0.93 (0.74 – 1.17)	0.539
full_component_WT1	(N=3203)	0.90 (0.68 – 1.19)	0.459
full_component_chr_splicing_multiple	(N=3203)	1.01 (0.81 – 1.26)	0.937
full_component_chr_splicing_1	(N=3203)	0.92 (0.74 – 1.14)	0.434
full_component_not_assigned	(N=3203)	0.98 (0.78 – 1.23)	0.856
full_component_no_events	(N=3203)	1.17 (0.76 – 1.80)	0.487
ITD	(N=3203)	1.15 (0.93 – 1.42)	0.195
NEW_favorable	(N=3203)	1.27 (1.01 – 1.60)	0.04 *
NEW_adverse	(N=3203)	0.78 (0.62 – 1.00)	0.047 *
NEW_intermediate	(N=3203)	reference	

Events: 2440; Global p-value (Log-Rank): 3.0414e-132
AIC: 34933.93; Concordance Index: 0.66

Hazard ratio for Alive ––> Death Without CR

gender	Female (N=1440)	reference		
	Male (N=1765)	1.02 (0.873 – 1.2)		0.779
age	(N=3205)	15.91 (9.285 – 27.2)		<0.001 ***
ahd	no (N=174)	reference		
	yes (N=3031)	0.84 (0.577 – 1.2)		0.379
perf_status	Fully active (N=2329)	reference		
	Restricted in physical activity (N=699)	1.17 (0.991 – 1.4)		0.064
	capable of selfcare but no work activities (N=121)	1.97 (1.472 – 2.6)		<0.001 ***
	limited selfcare (N=54)	2.39 (1.519 – 3.8)		<0.001 ***
	completely disabled (N=2)	28.20 (6.683 – 119.0)		<0.001 ***
bm_blasts	(N=3205)	1.52 (1.096 – 2.1)		0.012 *
secondary	1 (N=2854)	reference		
	2 (N=251)	1.03 (0.733 – 1.5)		0.856
	3 (N=100)	0.82 (0.573 – 1.2)		0.278
wbc	(N=3205)	6.84 (3.420 – 13.7)		<0.001 ***
hb	(N=3205)	1.43 (0.607 – 3.4)		0.413
plt	(N=3205)	0.16 (0.026 – 1.0)		0.05 *
full_component_t_15_17	(N=3205)	4.31 (1.807 – 10.3)		<0.001 ***
full_component_inv_16	(N=3205)	1.22 (0.470 – 3.2)		0.679
full_component_t_8_21	(N=3205)	1.40 (0.598 – 3.3)		0.437
full_component_t_11	(N=3205)	1.44 (0.833 – 2.5)		0.192
full_component_t_6_9	(N=3205)	0.80 (0.282 – 2.3)		0.679
full_component_inv_3	(N=3205)	1.72 (1.061 – 2.8)		0.028 *
full_component_additions	(N=3205)	1.39 (1.124 – 1.7)		0.002 **
full_component_TP53_complex	(N=3205)	1.80 (1.331 – 2.4)		<0.001 ***
full_component_NPM1	(N=3205)	1.46 (0.821 – 2.6)		0.197
full_component_CEBPA_bi	(N=3205)	1.01 (0.457 – 2.2)		0.98
full_component_DNMT3A_IDH1_2	(N=3205)	0.82 (0.551 – 1.2)		0.309
full_component_WT1	(N=3205)	0.85 (0.501 – 1.4)		0.551
full_component_chr_splicing_multiple	(N=3205)	0.87 (0.643 – 1.2)		0.351
full_component_chr_splicing_1	(N=3205)	1.16 (0.783 – 1.7)		0.454
full_component_not_assigned	(N=3205)	0.90 (0.579 – 1.4)		0.651
full_component_no_events	(N=3205)	0.93 (0.337 – 2.5)		0.883
ITD	(N=3205)	1.04 (0.747 – 1.5)		0.804
NEW_favorable	(N=3205)	0.80 (0.526 – 1.2)		0.316
NEW_adverse	(N=3205)	1.45 (0.972 – 2.2)		0.068
NEW_intermediate	(N=3205)	reference		

 # Events: 744; Global p–value (Log–Rank): 3.2269e−60
AIC: 9312.33; Concordance Index: 0.73

0.05   0.1   0.5   1   5   10   50   100

Hazard ratio for Alive in CR −−>Alive with Relapse

Variable	Group	HR (95% CI)	p-value
gender	Female (N=1130)	reference	
	Male (N=1310)	1.03 (0.92 − 1.15)	0.591
age	(N=2440)	3.51 (2.40 − 5.13)	<0.001 ***
ahd	no (N=71)	reference	
	yes (N=2369)	0.67 (0.38 − 1.17)	0.156
perf_status	Fully active (N=1888)	reference	
	Restricted in physical activity (N=455)	0.80 (0.69 − 0.93)	0.003 **
	capable of selfcare but no work activities (N=65)	0.96 (0.68 − 1.34)	0.795
	limited selfcare (N=32)	1.14 (0.71 − 1.83)	0.587
	completely disabled (N=0)	reference	
bm_blasts	(N=2440)	1.11 (0.88 − 1.40)	0.386
secondary	1 (N=2272)	reference	
	2 (N=109)	0.88 (0.55 − 1.41)	0.599
	3 (N=59)	1.06 (0.75 − 1.51)	0.729
wbc	(N=2440)	5.51 (3.39 − 8.95)	<0.001 ***
hb	(N=2440)	0.95 (0.55 − 1.66)	0.858
plt	(N=2440)	0.62 (0.18 − 2.07)	0.435
full_component_t_15_17	(N=2440)	0.46 (0.25 − 0.86)	0.015 *
full_component_inv_16	(N=2440)	1.12 (0.72 − 1.75)	0.604
full_component_t_8_21	(N=2440)	0.78 (0.49 − 1.24)	0.292
full_component_t_11	(N=2440)	1.01 (0.71 − 1.44)	0.96
full_component_t_6_9	(N=2440)	1.35 (0.81 − 2.26)	0.254
full_component_inv_3	(N=2440)	1.81 (0.97 − 3.37)	0.061
full_component_additions	(N=2440)	1.02 (0.81 − 1.28)	0.866
full_component_TP53_complex	(N=2440)	1.37 (1.02 − 1.85)	0.036 *
full_component_NPM1	(N=2440)	0.88 (0.61 − 1.28)	0.519
full_component_CEBPA_bi	(N=2440)	0.95 (0.62 − 1.46)	0.805
full_component_DNMT3A_IDH1_2	(N=2440)	1.03 (0.78 − 1.38)	0.821
full_component_WT1	(N=2440)	1.45 (1.03 − 2.03)	0.033 *
full_component_chr_splicing_multiple	(N=2440)	1.03 (0.77 − 1.36)	0.86
full_component_chr_splicing_1	(N=2440)	1.07 (0.81 − 1.40)	0.632
full_component_not_assigned	(N=2440)	1.07 (0.79 − 1.43)	0.675
full_component_no_events	(N=2440)	1.09 (0.63 − 1.88)	0.76
ITD	(N=2440)	1.07 (0.84 − 1.37)	0.589
NEW_favorable	(N=2440)	0.73 (0.55 − 0.97)	0.029 *
NEW_adverse	(N=2440)	1.35 (1.01 − 1.81)	0.039 *
NEW_intermediate	(N=2440)	reference	

Events: 1364; Global p−value (Log−Rank): 1.9391e−45
AIC: 19654.4; Concordance Index: 0.64

0.2   0.5   1   2   5   10

Hazard ratio for Alive in CR ––> Death in CR

Variable	Group	HR (95% CI)	p-value
gender	Female (N=1130)	reference	
	Male (N=1310)	1.252 (0.91296 – 1.72)	0.163
age	(N=2440)	13.388 (4.49522 – 39.88)	<0.001 ***
ahd	no (N=71)	reference	
	yes (N=2369)	1.015 (0.39841 – 2.58)	0.975
perf_status	Fully active (N=1888)	reference	
	Restricted in physical activity (N=455)	2.083 (1.49198 – 2.91)	<0.001 ***
	capable of selfcare but no work activities (N=65)	1.782 (0.89964 – 3.53)	0.098
	limited selfcare (N=32)	3.110 (1.23358 – 7.84)	0.016 *
	completely disabled (N=0)	reference	
bm_blasts	(N=2440)	0.353 (0.19173 – 0.65)	<0.001 ***
secondary	1 (N=2272)	reference	
	2 (N=109)	1.640 (0.77803 – 3.46)	0.194
	3 (N=59)	1.131 (0.55453 – 2.31)	0.736
wbc	(N=2440)	3.323 (0.73525 – 15.01)	0.119
hb	(N=2440)	1.601 (0.39808 – 6.44)	0.508
plt	(N=2440)	0.021 (0.00024 – 1.80)	0.089
full_component_inv_16	(N=2440)	0.374 (0.07323 – 1.91)	0.237
full_component_t_8_21	(N=2440)	0.752 (0.20333 – 2.78)	0.669
full_component_t_11	(N=2440)	3.544 (1.69444 – 7.41)	<0.001 ***
full_component_t_6_9	(N=2440)	6.955 (2.29734 – 21.06)	<0.001 ***
full_component_inv_3	(N=2440)	6.517 (1.73941 – 24.41)	0.005 **
full_component_additions	(N=2440)	2.333 (1.40247 – 3.88)	0.001 **
full_component_TP53_complex	(N=2440)	1.686 (0.81136 – 3.50)	0.162
full_component_NPM1	(N=2440)	1.862 (0.78106 – 4.44)	0.161
full_component_CEBPA_bi	(N=2440)	1.706 (0.61283 – 4.75)	0.307
full_component_DNMT3A_IDH1_2	(N=2440)	1.786 (0.84189 – 3.79)	0.131
full_component_WT1	(N=2440)	1.780 (0.61970 – 5.11)	0.284
full_component_chr_splicing_multiple	(N=2440)	1.072 (0.51979 – 2.21)	0.851
full_component_chr_splicing_1	(N=2440)	0.981 (0.46353 – 2.08)	0.96
full_component_not_assigned	(N=2440)	1.646 (0.73881 – 3.67)	0.223
full_component_no_events	(N=2440)	0.829 (0.16488 – 4.17)	0.82
ITD	(N=2440)	0.541 (0.26824 – 1.09)	0.085
NEW_favorable	(N=2440)	0.707 (0.32847 – 1.52)	0.376
NEW_adverse	(N=2440)	1.501 (0.71863 – 3.13)	0.28
NEW_intermediate	(N=2440)	reference	

 # Events: 182; Global p–value (Log–Rank): 5.2177e–23
AIC: 2526.47; Concordance Index: 0.75

0.0001   0.001   0.01   0.1   1   10

Hazard ratio for Alive with Relapse --> Death With Relapse

Variable	Group	HR (95% CI)	Plot	p-value
gender	Female (N=610)	reference		
	Male (N=754)	1.03 (0.91 – 1.17)		0.616
age	(N=1364)	4.80 (3.17 – 7.25)		<0.001 ***
ahd	no (N=44)	reference		
	yes (N=1320)	1.15 (0.63 – 2.10)		0.658
perf_status	Fully active (N=1082)	reference		
	Restricted in physical activity (N=227)	0.95 (0.81 – 1.13)		0.571
	capable of selfcare but no work activities (N=37)	1.40 (0.97 – 2.01)		0.071
	limited selfcare (N=18)	2.15 (1.31 – 3.52)		0.002 **
	completely disabled (N=0)	reference		
bm_blasts	(N=1364)	1.82 (1.39 – 2.39)		<0.001 ***
secondary	1 (N=1266)	reference		
	2 (N=62)	1.38 (0.82 – 2.35)		0.226
	3 (N=36)	0.89 (0.61 – 1.31)		0.57
wbc	(N=1364)	0.48 (0.25 – 0.91)		0.026 *
hb	(N=1364)	0.60 (0.31 – 1.18)		0.138
plt	(N=1364)	0.74 (0.21 – 2.59)		0.636
full_component_t_15_17	(N=1364)	0.65 (0.28 – 1.51)		0.32
full_component_inv_16	(N=1364)	0.37 (0.21 – 0.67)		0.001 **
full_component_t_8_21	(N=1364)	1.17 (0.66 – 2.07)		0.583
full_component_t_11	(N=1364)	0.96 (0.63 – 1.45)		0.842
full_component_t_6_9	(N=1364)	0.95 (0.54 – 1.68)		0.864
full_component_inv_3	(N=1364)	1.28 (0.65 – 2.52)		0.48
full_component_additions	(N=1364)	1.18 (0.92 – 1.50)		0.186
full_component_TP53_complex	(N=1364)	1.32 (0.95 – 1.84)		0.102
full_component_NPM1	(N=1364)	1.16 (0.73 – 1.83)		0.532
full_component_CEBPA_bi	(N=1364)	0.65 (0.38 – 1.12)		0.12
full_component_DNMT3A_IDH1_2	(N=1364)	0.89 (0.65 – 1.22)		0.459
full_component_WT1	(N=1364)	1.12 (0.76 – 1.64)		0.567
full_component_chr_splicing_multiple	(N=1364)	0.89 (0.65 – 1.23)		0.494
full_component_chr_splicing_1	(N=1364)	1.05 (0.76 – 1.46)		0.749
full_component_not_assigned	(N=1364)	0.92 (0.65 – 1.30)		0.638
full_component_no_events	(N=1364)	1.01 (0.53 – 1.90)		0.983
ITD	(N=1364)	1.04 (0.78 – 1.39)		0.774
NEW_favorable	(N=1364)	0.85 (0.62 – 1.18)		0.338
NEW_adverse	(N=1364)	1.30 (0.93 – 1.83)		0.124
NEW_intermediate	(N=1364)	reference		

Events: 1081; Global p-value (Log-Rank): 6.5916e-34
AIC: 11940.69; Concordance Index: 0.63

0.1   0.2   0.5   1   2   5