

Supplemental Material

Table S1

Performance metrics and hyperparameter from all iterations of the regularized Cox Regression

Iteration	C-index (training)	C-index (testing)	CRPS (training)	CRPS (testing)	alpha	lambda.1se
1	.714	.714	.106	.101	.4	0.187
2	.730	.693	.102	.105	.3	0.184
3	.736	.727	.094	.115	.2	0.191
4	.758	.721	.090	.120	.9	0.034
5	.746	.704	.060	.169	0	10.047
6	.728	.703	.104	.105	.7	0.094
7	.723	.739	.102	.101	1	0.042
8	.737	.711	.101	.107	.4	0.133
9	.734	.681	.100	.111	.3	0.191
10	.715	.703	.103	.110	.1	0.849
11	.717	.717	.102	.114	.2	0.348
12	.727	.720	.104	.103	.3	0.157
13	.724	.723	.103	.103	1	0.048
14	.732	.697	.103	.105	1	0.060
15	.731	.715	.102	.104	.5	0.091
16	.727	.702	.102	.109	.3	0.238
17	.718	.725	.104	.106	.8	0.087
18	.722	.736	.101	.106	.8	0.058
19	.730	.733	.101	.107	.4	0.099
20	.717	.709	.102	.112	.2	0.428

Note. C-index = Harrell's Concordance Index, CRPS = continuous rank probability score, lambda.1se = largest λ such that the error is within one standard error of the minimum mean cross-validated error.

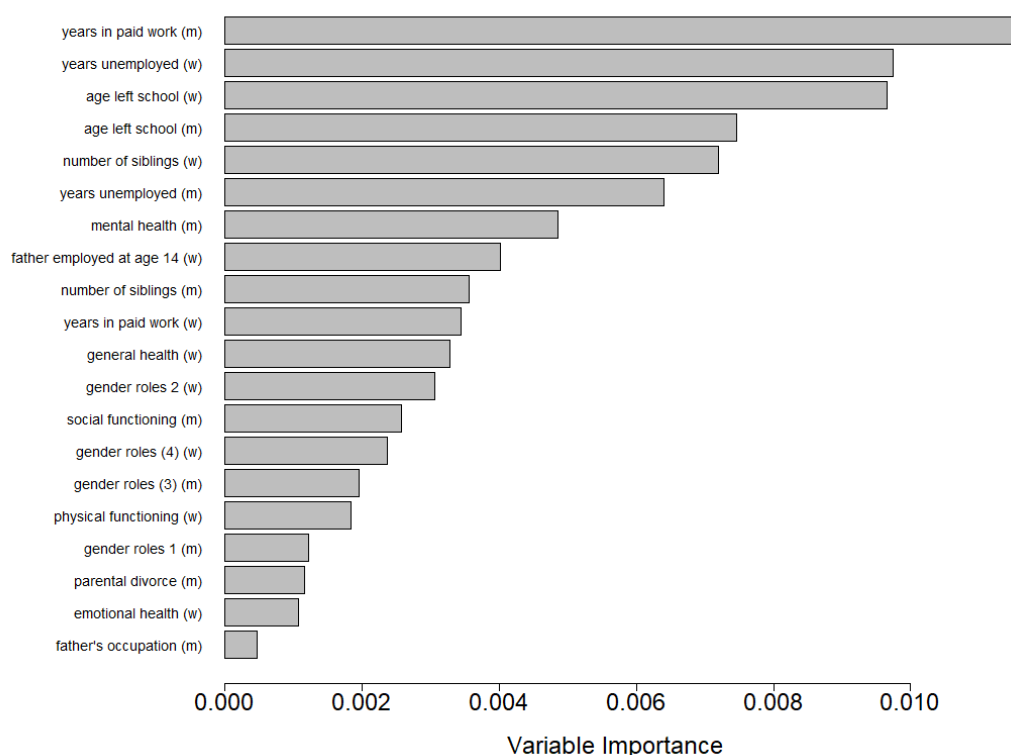
Table S2*Performance metrics and hyperparameter from all iterations of Random Survival Forest*

Iteration	C-Index (training)	C-Index (testing)	CRPS (training)	CRPS (testing)	mtry	nodesize
1	.837	.735	.140	.242	7	55
2	.831	.716	.184	.173	6	55
3	.947	.743	.127	.177	7	9
4	.969	.700	.205	.281	22	3
5	.983	.693	.136	.172	10	1
6	.976	.717	.139	.441	10	2
7	.960	.760	.155	.187	5	6
8	.978	.699	.192	.267	8	2
9	.958	.731	.123	.193	41	6
10	.955	.706	.135	.327	7	7
11	.861	.707	.124	.153	8	40
12	.945	.722	.131	.172	27	10
13	.817	.726	.133	.189	6	65
14	.827	.709	.129	.160	7	60
15	.958	.723	.133	.227	27	6
16	.831	.751	.140	.213	6	60
17	.973	.690	.142	.271	22	2
18	.830	.783	.125	.219	15	65
19	.977	.740	.150	.219	10	2
20	.954	.704	.153	.198	41	7

Note. C-index = Harrell's Concordance Index, CRPS = continuous rank probability score.

Figure S1

Averaged Variable Importance of the Random Survival Forest



Note. The 20 most frequently selected predictors across 20 iterations are shown. Variable importance is calculated per default via anti-split assignment (Ishwaran & Kogalur, 2012). (m) and (w) denote variables referring to men and women. gender roles 1 = As long as the care is good, it is fine for children under 3 years of age to be placed in child care all day for 5 days a week , gender roles 2 = If both partners in a couple work, they should share equally in the housework and care of children , gender roles 3 = Whatever career a man may have, his most important role in life is still that of being a father, gender roles 4 = Whatever career a woman may have, her most important role in life is still that of being a mother. years unemployed = years unemployed and looking for work.