Supplement S1: Nomogram Equation and Survival of Baseline Population

Equation: S = S0 ^ exp(-3.2868467 + 0.039854143 * AGE + 0.092083744 * log(PSA) - 0.20891173 * log(PSADT) + 0.21978332 * (bone_mets == "3-9") + 0.32207461 * (bone_mets == ">=10") + 1.0446017 * (bone_mets == "Visceral/Lymph node"))

Survival of baseline population (S0) for years 1, 2, 3, 4 and 5 are, respectively, 0.5631, 0.2580, 0.1725, 0.1168, and 0.0739.

Supplemental Table 1: Variation Inflation Factors for the Final Model

Variables	VIF
Age at Metastases (years)	1.07
Number of Bone Metastases	
1-2	*ref.*
3-9	1.29
≥10	1.51
Visceral/Lymph Node Only	1.66
PSA at Metastases[a] (ng/mL)	1.38
PSADT at Metastases[a] (ng/mL/year)	1.23

Abbreviation: VIF = variation inflation factor.

[a]Log transformed.

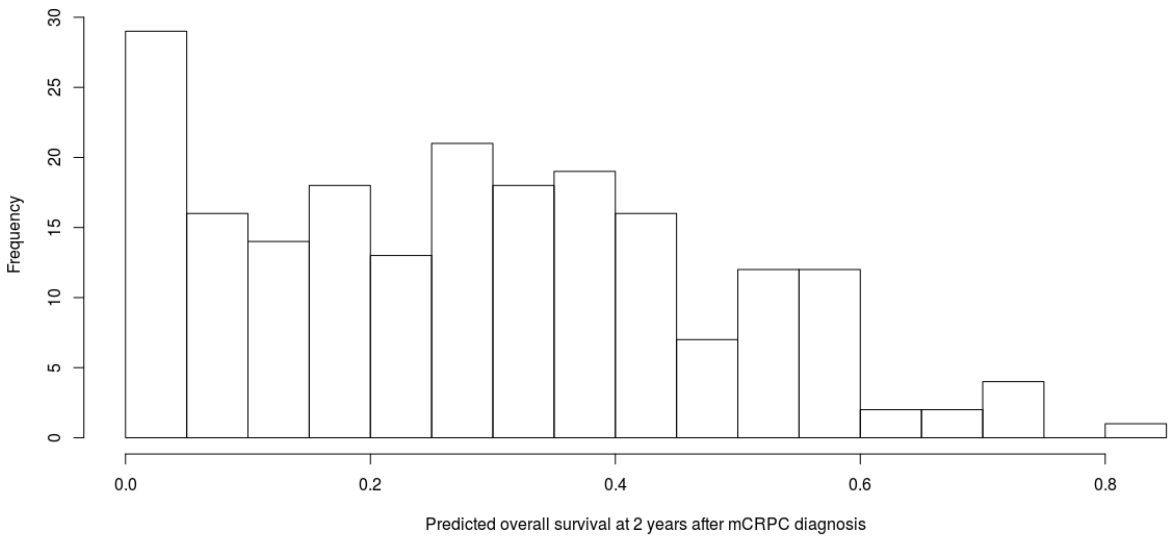
Supplemental Table 2: Multivariable Analysis for the Final Model

Variables	HR	95% CI	P*
Age at Metastases (years)	1.04	1.02-1.06	<0.001
Number of Bone Metastases			
1-2	*ref.*		
3-9	1.25	0.71-2.17	0.439
≥10	1.38	0.93-2.05	0.111
Visceral/Lymph Node Only	2.84	1.82-4.45	<0.001
PSA at Metastases[a] (ng/mL)	1.10	0.98-1.23	0.117
PSADT at Metastases[a] (ng/mL/year)	0.87	0.68-0.96	0.016

Abbreviation: CI = confidence interval; HR = hazard ratio.

[a]Log transformed.

Supplemental Figure 1: Distribution of Predicted Overall Survival at 2 Years After mCRPC Diagnosis



Abbreviation: mCPRC = metastatic castration-resistant prostate cancer.