A:Comple	x	IPA				AUC _{IPCW}				
Method	25%	50%	75%	100%	25%	50%	75%	100%		
Cox	0.56	0.41.00	-0.53	-1.87	0.93	0.89	0.79	0.77		
	(0.56,0.57)	(0.4,0.41)	(-0.54,-0.52)) (-1.89,-1.84)	(0.93,0.94)	(0.88,0.89)	(0.79,0.79)	(0.76,0.77)		
CBLR	0.56	0.4	-0.46	-1.5	0.94	0.89	0.78	0.75		
	(0.56,0.57)	(0.4,0.41)	(-0.46,-0.45)) (-1.52,-1.48)	(0.94,0.94)	(0.89,0.89)	(0.78,0.79)	(0.75,0.75)		
DeepSurv	0.65 (0.65,0.65)	0.4 (0.4,0.4)	-0.16 (-0.18,-0.13)	-1.02) (-1.08,-0.95)	0.94 (0.94,0.94)	0.89 (0.89,0.89)	0.85 (0.85,0.85)	0.88 (0.88,0.89)		
DeepHit	0.68	0.3	0.00	0.14	0.96	0.88	0.94	0.98		
	(0.68,0.68)	(0.3,0.31)	(-0.01,0.02)	(0.13,0.15)	(0.96,0.96)	(0.88,0.89)	(0.94,0.95)	(0.97,0.98)		
CBNN	0.69	0.43	0.25	0.27	0.96	0.9	0.96	0.99		
	(0.69,0.69)) (0.43,0.43)	(0.25,0.26)	(0.26,0.28)	(0.96,0.96)	(0.9,0.9)	(0.96,0.96)	(0.99,0.99)		
Optimal	0.69	0.44	0.27	0.34	0.96	0.9	0.96	1.00		
	(0.69,0.69)) (0.43,0.44)	(0.27,0.27)	(0.33,0.34)	(0.96,0.96)	(0.9,0.9)	(0.96,0.96)	(1.00,1.00)		
B:MM		IPA				AUC _{IPCW}				
Method	25%	50%	75%	100%	25%	50%	75%	100%		
Cox	0.00	-0.09	-0.26	-0.45	0.51.00	0.37	0.13	0.03		
	(0.00,0.00)	(-0.1,-0.09)	(-0.27,-0.25)	(-0.47,-0.42)	(0.51,0.51)	(0.37,0.37)	(0.13,0.13)	(0.03,0.03)		
CBLR	0.00	-0.1.00	-0.25	-0.42	0.51.00	0.37	0.13	0.03		
	(0.00,0.00)	(-0.1,-0.09)	(-0.26,-0.24)	(-0.44,-0.4)	(0.51,0.51)	(0.37,0.37)	(0.13,0.13)	(0.03,0.03)		
DeepSurv	0.00	-0.09	-0.24	-0.49	0.52	0.39	0.24	0.09		
	(-0.01,0.00) ((-0.09,-0.08)	(-0.26,-0.22)	(-0.53,-0.45)	(0.52,0.53)	(0.39,0.4)	(0.21,0.27)	(0.06,0.12)		
DeepHit	-0.16	-1.21.00	-3.86	-3.66	0.59	0.53	0.52	0.32		
	(-0.2,-0.12)	(-1.42,-1)	(-4.4,-3.31)	(-4.17,-3.15)	(0.58,0.59)	(0.51,0.55)	(0.48,0.56)	(0.25,0.38)		
CBNN	0.04	0.00	-0.01.00	-0.01.00	0.55	0.51.00	0.43	0.22		
	(0.04,0.04) ((-0.01,0.00) ((-0.01,-0.01)	(-0.01,-0.01)	(0.55,0.56)	(0.49,0.53)	(0.4,0.47)	(0.17,0.27)		
C:FLC		IPA				AUC _{IPCW}				
Method	25%	50%	75%	100%	25%	50%	75%	100%		
Cox	0.19	0.29	0.33	0.44	0.85	0.85	0.84	0.8		
	(0.19,0.19)	(0.29,0.29)	(0.33,0.33) ((0.44,0.44)	(0.85,0.85) ((0.85,0.86)	(0.84,0.84)	(0.79,0.8)		

							11 CVV	
Method	25%	50%	75%	100%	25%	50%	75%	100%
Cox	0.19 (0.19,0.19)	0.29 (0.29,0.29)	0.33 (0.33,0.33)	0.44 (0.44,0.44)	0.85 (0.85,0.85)	0.85 (0.85,0.86)	0.84 (0.84,0.84)	0.8 (0.79,0.8)
CBLR	0.19 (0.19,0.19)	0.3 (0.29,0.3)	0.33 (0.33,0.33)	0.32 (0.31,0.32)	0.85 (0.85,0.85)	0.86 (0.86,0.86)	0.84 (0.84,0.84)	0.8 (0.8,0.8)
DeepSurv	0.19 (0.18,0.2)	0.29 (0.28,0.31)	0.33 (0.32,0.34)	0.38 (0.33,0.43)	0.84 (0.82,0.85)	0.85 (0.83,0.87)	0.83 (0.82,0.85)	0.82 (0.8,0.84)
DeepHit	0.18 (0.18,0.19)	0.29 (0.29,0.29)	0.33 (0.33,0.33)	0.41.00 (0.36,0.46)	0.85 (0.85,0.85)	0.86 (0.86,0.86)	0.85 (0.85,0.85)	0.83 (0.83,0.84)
CBNN	0.19 (0.19,0.2)	0.3 (0.3,0.3)	0.34 (0.34,0.34)	0.42 (0.41,0.42)	0.85 (0.85,0.85)	0.86 (0.86,0.86)	0.85 (0.85,0.85)	0.84 (0.83,0.84)
D:Prostate IPA				AUC _{IPCW}				

							II CVV	
Method	25%	50%	75%	100%	25%	50%	75%	100%
Cox	0.04	0.09	0.14	0.17	0.77	0.75	0.76	0.71.00
	(0.04,0.04)	(0.09,0.09)	(0.14,0.14)	(0.17,0.17)	(0.76,0.77)	(0.75,0.75)	(0.76,0.76)	(0.71,0.71)
CBLR	0.04	0.09	0.14	0.17	0.77	0.75	0.76	0.71.00
	(0.04,0.04)	(0.09,0.09)	(0.13,0.14)	(0.17,0.17)	(0.76,0.77)	(0.75,0.75)	(0.76,0.76)	(0.71,0.71)
DeepSurv	0.03	0.06	0.1.00	0.12	0.71.00	0.7	0.7	0.68
	(0.03,0.04)	(0.05,0.07)	(0.09,0.11)	(0.1,0.13)	(0.69,0.73)	(0.68,0.72)	(0.68,0.72)	(0.66,0.7)
DeepHit	0.04	0.08	0.12	0.16	0.77	0.75	0.75	0.72
	(0.03,0.04)	(0.08,0.09)	(0.12,0.13)	(0.15,0.16)	(0.76,0.77)	(0.74,0.75)	(0.75,0.75)	(0.72,0.73)
CBNN	0.04	0.08	0.12	0.14	0.76	0.75	0.74	0.71.00
	(0.04,0.04)	(0.07,0.08)	(0.12,0.13)	(0.13,0.14)	(0.76,0.76)	(0.75,0.75)	(0.74,0.74)	(0.71,0.72)