



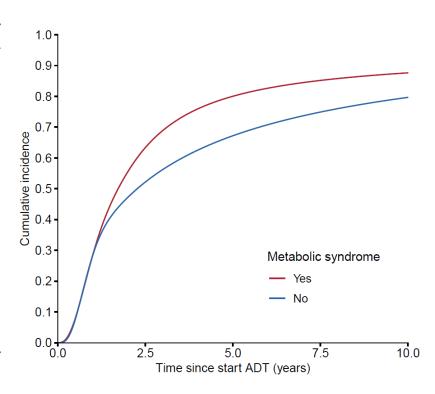


Hazard ratio for CRPC by metabolic disease or medication

Variable	Label	HR_unadj	HR_adj1	HR_adj2
Smoking (ever)	No	1 (Ref.)	1 (Ref.)	1 (Ref.)
	Yes	$1.02 \ (0.82 \text{-} 1.26)$	0.99 (0.79 - 1.24)	$1.05 \ (0.82 - 1.33)$
Diabetes mellitus	No	1 (Ref.)	1 (Ref.)	1 (Ref.)
	Yes	$1.24 \ (0.90 - 1.71)$	1.27 (0.89 - 1.82)	$1.22 \ (0.83 - 1.79)$
Hypertension	No	1 (Ref.)	1 (Ref.)	1 (Ref.)
	Yes	1.16 (0.94 - 1.42)	1.27 (1.01-1.59)	$1.27 \ (1.00 - 1.61)$
Obesity	No	1 (Ref.)	1 (Ref.)	1 (Ref.)
	Yes	$1.09 \ (0.88 - 1.36)$	$1.05 \ (0.83 - 1.33)$	$1.04 \ (0.80 - 1.34)$
Hyperlipidemia	No	1 (Ref.)	1 (Ref.)	1 (Ref.)
	Yes	$0.85 \ (0.69 - 1.04)$	$0.85 \ (0.68 - 1.06)$	$0.89 \ (0.70 - 1.12)$
Metabolic syndrome	No	1 (Ref.)	1 (Ref.)	1 (Ref.)
	Yes	1.44 (1.13-1.83)	1.38 (1.07-1.78)	1.36 (1.04-1.77)
Statins	No	1 (Ref.)	1 (Ref.)	1 (Ref.)
	Yes	$0.74 \ (0.59 - 0.93)$	$0.75 \ (0.58 - 0.95)$	$0.79 \ (0.61 - 1.02)$
Aspirin	No	1 (Ref.)	1 (Ref.)	1 (Ref.)
	Yes	$0.79\ (0.63 - 0.99)$	$0.78 \ (0.61 - 1.00)$	$0.80 \ (0.61 \text{-} 1.05)$
Metformin	No	1 (Ref.)	1 (Ref.)	1 (Ref.)
	Yes	$1.05 \ (0.69 - 1.60)$	$1.10 \ (0.69 - 1.76)$	$1.08 \ (0.66 - 1.75)$

Adjustment 1: age at ADT initiation, year of ADT initiation, and race Adjustment 2: age at ADT initiation, year of ADT initiation, race, M1, Gleason 7+, PSA at ADT initiation, primary treatment

Standardized cumulative incidence of CRPC (controlling for confounding)







Hazard ratio for CRPC by combinations of metabolic disease and statins/aspirin/metformin

Metabolic syndrome	Label No Yes, without statins Yes, with statins	HR_ref1 1 (Ref.) 1.67 (1.14-2.43)	HR_ref2 0.60 (0.41-0.87) 1 (Ref.)
	Yes, without statins		,
		1.67 (1.14-2.43)	1 (Rof)
	Yes, with statins		1 (1001.)
	,	1.09 (0.81 - 1.47)	$0.66 \ (0.45 - 0.96)$
(Only statins	$0.44 \ (0.22 - 0.88)$	$0.27 \ (0.13 - 0.56)$
Metabolic syndrome	No	1 (Ref.)	$0.77 \ (0.55-1.07)$
	Yes, without aspirin	$1.30 \ (0.94 - 1.80)$	1 (Ref.)
	Yes, with aspirin	1.19 (0.84-1.70)	0.92(0.64-1.32)
(Only aspirin	$0.61 \ (0.35 - 1.07)$	$0.47 \ (0.26 - 0.83)$
Metabolic syndrome I	No	1 (Ref.)	$0.73 \ (0.55 - 0.96)$
7	Yes, without metformin	1.37 (1.04-1.81)	1 (Ref.)
7	Yes, with metformin	$1.28 \ (0.76 - 2.15)$	$0.93 \ (0.55 - 1.57)$
(Only metformin	0.99 (0.98-1.01)	0.99 (0.98-1.01)
Metabolic syndrome	No	1 (Ref.)	$0.66 \ (0.42 - 1.04)$
	Yes, without medication	$1.51 \ (0.97 - 2.38)$	1 (Ref.)
	Yes, with medication	1.14 (0.84-1.55)	$0.75 \ (0.48 - 1.17)$
(Only medication	0.62 (0.38-1.02)	0.41 (0.23-0.75)

Adjustment: age at ADT initiation, year of ADT initiation, race, M1, Gleason 7+, PSA at ADT initiation, primary treatment

Ref1: "No" is the reference group

Ref2: "Yes, without" is the reference group

Standardized cumulative incidence of CRPC (controlling for confounding)

