

<b>eTable 1.</b> Schematic framework for data collection on SHS in the EPIC cohort; numbers refer to never smokers only.			
	SHS at home	SHS at work	SHS in childhood
France	Y	Y	Y
Italy	Y*	Y	Y
Spain	N	N	N
UK	N	N	N
Netherlands	Y~	Y~	Y#
Greece	N	N	N
Germany	N	N	N
Sweden	Y^	Y^	Y^
Denmark	Y	Y	Y
Norway	Y	N	Y
<b>Total</b>	<b>69,870</b>	<b>57,534</b>	<b>111,698</b>
	*Not available for Florence		
	^Not available for Umea		
	~Not available for Bilthoven		
	#Not available for Utrecht		

**eTable 2.** Sensitivity analysis for potential residual confounding due to socioeconomic status. Estimated relative risks (RRs) for the association between cardiovascular mortality (CVM) as outcome, second-hand smoke (SHS) as main exposure and socioeconomic status (SES)<sup>a</sup> as potential unmeasured confounder. Crude value for  $RR_{CVM/SHS}$  in the 2 x 2 table using person-years = 1.81.  $RR_{CVM/SES}$  estimated from the literature.

$P_{SES/SHS+}$	$P_{SES/SHS-}$	$RR_{SHS/SES}$	$RR_{CVM/SES}$		
			1.5	2	2.5
0.30	0.20	1.71	$RR_{CVM/SHS} = 1.73$	$RR_{CVM/SHS} = 1.67$	$RR_{CVM/SHS} = 1.62$
0.40	0.30	1.56	1.73	1.68	1.64
0.40	0.20	2.67	1.66	1.55	1.47
0.20	0.10	2.25	1.60	1.60	1.60
0.20	0.05	4.75	1.69	1.58	1.50

$P_{SES/SHS+}$  = prevalence of low socio-economic status among those exposed to SHS;  $P_{SES/SHS-}$  = prevalence of low socio-economic status among those not exposed to SHS;  $RR_{SHS/SES}$  = RR expressing the association between SHS and SES;  $RR_{CVM/SES}$  = Hypothesized RR for association between SES and CVM;  $RR_{CVM/SHS}$  = RR of CVM in relation to SHS adjusted for SES level.

<sup>a</sup> Low SES defined as no education or only primary education.