

**Table 2.49. Cohort studies of urinary tract cancer**

Reference, location, name of study	Cohort description	Exposure assessment	Organ site (ICD code)	Exposure categories	No. of cases/deaths	Relative risk (95% CI)	Adjustment for potential confounders	Comments
Bjerregaard et al (2006) 10 European countries (1991-2000)	Cohort of healthy volunteers from 23 centres in 10 European countries, set up for the study of nutrition and cancer (EPIC) (N=429906). Follow-up of incident cancers through Cancer Registries and other sources.	Self-administered questionnaires	Urothelial cancer (TCC) (ICD 10 C67)	Never smoker	95	1.0	Age, fruit and vegetable consumption. Stratified by gender and country.	An association with age at start is reported, with a relative risk of 1.74 (1.28-2.37) for those starting after age 19 and 2.96 (2.19,4.01) for those starting before the age of 15
				Former smoker	184	2.25 (1.74–2.91)		
				Current smoker	234	3.96 (3.07–5.09)		
				<b>Intensity</b>				
				Current smoker, cigs/day <sup>a</sup>				
				<10	42	2.38 (1.65–3.45)		
				10-6	78	4.13 (3.03–5.64)		
				17-20	62	5.25 (3.76–7.33)		
				>20	52	5.32 (3.73–7.59)		
				<b>Duration<sup>a</sup></b>				
				<27	100	1.79 (1.34–2.40)		
				27-37	110	2.51 (1.84–3.42)		
				37-42	102	4.27 (3.04–6.02)		
>42	106	3.45 (2.38–5.01)						
<b>Time since quitting<sup>a</sup></b>								
<8	48	2.44 (1.71–3.47)						
8-14	46	3.17 (2.22–4.54)						
14-21	39	2.37 (1.62–3.46)						
>21	51	1.65 (1.16–2.34)						

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Alberg et al (2007) Maryland, US (1963, 1975)	Two private censuses in Washington county, MD involving 98% of all households (N=91909) in 1965 and 90% (N=90225) in 1975. Age >25. Only 45749 (1963) and 48172 (1975) participants used for present analyses.	Self-administered questionnaires	“Invasive” bladder cancer (ICD-9 188)	<b>1963 cohort</b>		<b>RR</b>	Age, education, marital status	
				Never smoker, no ETS	20	1.0		
				ETS only	14	1.4 (0.7–2.7)		
				Former smoker	11	1.2 (0.5–2.5)		
				Current smoker	48	2.7 (1.6–4.7)		
				<i>Intensity</i>				
				Current smoker, cigs/day:				
				≤10	7	1.7 (0.7–4.1)		
				11-20	28	3.2 (1.7–5.9)		
				>20	12	2.9 (1.4–6.1)		
				<b>1975 cohort</b>				
				Never smoker, no ETS	40	1.0		
				ETS only	8	0.8 (0.4–1.7)		
				Former smoker	57	2.3 (1.5–3.4)		
Current smoker	57	2.6 (1.7-3.9)						
<i>Intensity</i>								
Current smoker, cigs/day:								
≤10	11	2.2 (1.4–3.6)						
11-20	34	3.3 (1.7–6.7)						
>20	20	3.3 (1.9–7.7)						

<sup>a</sup>Never smokers reference category