

Table 2.5. Cohort studies of combined estrogen–progestogen menopausal therapy and endometrial cancer

Reference, location, name of study	Cohort description	Exposure assessment	Exposure categories	No. of cases of endometrial cancer	Relative risk	95% CI	Comments
Lacey <i>et al.</i> , (2005)	30 379 postmenopausal women—begun in 1979 with a 13-year follow-up	E + P use was first queried in 1987–89, and periodically thereafter by mail and telephone. Cancer cases determined by self-reports, medical records, cancer registries and death certificates	Only sequential E+P				
			Any use	32	3.0	2.0–4.6	NCI Breast Cancer Detection Demonstration Project. All RRs adjusted for attained age, calendar time, household income, age at menarche, parity, duration of oral contraceptive use, current smoking, and BMI.
			<i>Duration (y)</i>				
			<2	5	1.3	0.5–3.2	
			2–3	7	2.4	1.1–5.3	
			4–5	5	2.5	0.99–6.2	
			≥6	15	5.7	3.2–10.2	
			<i>Recency of use (y)</i>				
			Current	18	3.1	1.8–5.3	
			<5–9	10	2.1	1.1–4.2	
			Only continuous E+P				
			Any use	15	2.3	1.3–4.0	
			<i>Duration (y)</i>				
			<2	3	1.1	0.3–3.4	
2–3	6	3.9	1.7–9.2				
4–5	3	2.9	0.9–9.4				
≥6	3	4.2	1.3–13.6				
<i>Recency of use (y)</i>							
Current	8	2.3	1.1–4.9				
<5–9	5	2.4	0.97–6.1				
Lacey <i>et al.</i> , (2007)	Of 73 211 women aged 50–71 at baseline (who completed two questionnaires in 1995–96, and 1996–97), 51 312 women had never used estrogen or only used E+P	Cancers were ascertained from state cancer registries and death indices; hormone use was self-reported by mailed questionnaires	Never use	225			Prospective cohort study—NIH-AARP Diet and Health Study in 6 states, 2 metropolitan areas. RRs adjusted for age, race, body mass index, menopausal status, and oral contraceptive use. Sequential regimens include progestin taken for 10–14 days/month; continuous regimens include progestin taken for ≥20 days/month.
			E+P use only	81	0.93	0.85–1.02	
			E+P use only w. usual regimen/doses	46	0.92	0.83–1.03	
			<i>Regimen</i>				
			Sequential E+P	11	0.74	0.39–1.40	
			Continuous	35	0.80	0.55–1.15	
			<i>Regimen & duration (y)</i>				
			Sequential				
			2–4	3	0.85	0.27–2.70	
			≥5	8	0.79	0.38–1.66	
			Continuous				
			≤1	1	0.14	0.02–1.01	
2–4	14	1.07	0.61–1.85				
≥5	20	0.85	0.53–1.36				