

Appendix 3

Rate ratio estimates (RR) of venous thromboembolism (VTE) between users of different combined oral contraceptives with 30-40 ug ethinylestradiol (EE) in three sub-periods and for the whole period 2001-2009

2001-2009 COC with	Women-years n / n	VTE all n / n	Adjust RR ¹	95% CI		p-value
				Low	High	
2001-2005						
DRSP vs LNG	146,729 / 134,783	128/95	2.16	1.65	2.83	<.0001
DRSP vs 3rd gen	146,729 / 517,226	128/504	1.15	0.95	1.40	0.1625
Desogestrel vs LNG	103,538 / 134,783	94/95	1.64	1.24	2.19	0.0007
Gestodene vs LNG	413,687 / 134,783	410/95	1.94	1.55	2.43	<.0001
2006-May 2007						
DRSP vs LNG	70,642 / 29,073	69/23	2.35	1.45	3.79	0.001
DRSP vs 3 rd . gen.	70,642 / 119,858	69/153	1.09	0.82	1.46	0.545
Desogestrel vs LNG	24,702 / 29,073	39/23	2.54	1.52	4.26	0.000
Gestodene vs LNG	95,156 / 29,073	114/23	2.04	1.30	3.20	0.002
June 2007-2009						
DRSP vs LNG	69,488 / 46,365	69/49	1.62	1.12	2.34	0.011
DRSP vs 3rd gen	69,488 / 201,520	69/282	0.91	0.70	1.18	0.475
Desogestrel vs LNG	42,008 / 46,365	68/49	1.95	1.35	2.82	0.000
Gestodene vs LNG	159,512 / 46,365	214/49	1.74	1.27	2.37	0.001
2001-2009						
DRSP vs LNG	286,859 / 210,221	266/167	2.00	1.64	2.43	<.0001
DRSP vs 3rd gen	286,859 / 838,604	266/939	1.06	0.92	1.21	0.4283
Desogestrel vs LNG	170,248 / 210,221	201/167	1.88	1.53	2.31	<.0001
Gestodene vs LNG	668,355 / 210,221	738/167	1.89	1.60	2.24	<.0001

1) Adjust RR: Adjusted for age, year and education.

LNG = COC with levonorgestrel phasic + combined and 30-40 µg EE.

Desogestrel = COC with desogestrel and 30 µg EE.

Gestodene = COC with gestodene and 30 µg EE

DRSP = COC with drospirenone and 30 µg EE.

3rd gen = COC with third generation progestogens (desogestrel or gestodene) and 30 µg EE