Pulmonary Embolism Mortality Rate Comparison	
IUD, CHC (Pill Patch & Ring) and Pregnancy	

Activity	Risk of Death	Source
Women not using a combined hormonal pill/patch/ring and are not	1 in 199 000	European Medicines Agency - Assessment report for
1 in 188,000	CHC's containing medicinal products Jan.(2014) ¹	
Using an IUD (Paraguard or Mirena/Skyla)	1 in 188,000	European Medicines Agency - Assessment report for
		CHC's containing medicinal products Jan. (2014) ^{1,9}
Risk from VTE (PE) during Pregnancy	1 in 53,000	Andra H. James, Venous Thromembolism in Pregnancy
		(2009). ^{4,5,6}
Using 1st & 2nd Generation CHC with Levonorgestrel, Norethisterone,	1 in 43,000	European Medicines Agency. Anita L.Nelson, MD &
Norgestrel or Norgestimate Progestin		Carrie Cwiak, MD, MPH. 1,2,3,5,7
Using 3rd Generation CHC - Progestin Etonogestrel (Ring) or	1 in 31,000	European Medicines Agency. Anita L.Nelson, MD &
Norelgestromin (Patch)		Carrie Cwiak, MD, MPH. 1,2,3,5,7
4th Generation CHC - Progestin Drospirenone (i.e. Yasmin, Yaz) or Desogestrel	4 :- 24 000	European Medicines Agency. Anita L.Nelson, MD &
	1 iii 24,000	Carrie Cwiak, MD, MPH. ^{1,2,3,5,7}

- 1. European Medicines Agency Assessment report for combines hormonal contraceptives containing medicinal products Jan. 2014 EMA/739865/2013
- 2. Contraception Technology (20th Edition) Chapter 11 Combined Oral Contraceptives (COC's) Anita L.Nelson, MD & Carrie Cwiak, MD, MPH.Two-thirds of VTE cases are deep vein thrombosis (DVT's); DVT carries a 6% mortality rate.
- 3. Contraception Technology (20th Edition) Chapter 11 Combined Oral Contraceptives (COC's) Anita L.Nelson, MD & Carrie Cwiak, MD, MPH.The other third of VTE events involve pulmonary embolism which has a 12% mortality rate.
- 4. James AH, Bushnell CD, Jamison MG, Meyers ER, Incidence and risk factors for stroke in pregnancy and the puerperium. Obstet Gynecol. 2005;106:509-519
- 5. Andra H. James, Venous Thromembolism in Pregnancy. From the Division of Maternal-Fetal Medicine Department of Obstetrics and Gynocology, Duke Medical Center
- 6. James AH, Jamison MG, Biswas MS, Brancazio LR, Swany GK, Meyers ER, acute myocardial infarction in pregnancy; a United Sates population-based study, Circulation. 2006;113:1564-1571
- 7. Susan Jick, Medicines for Women; Chapter 6 Oral Contraceptives and the Risk of Venous Thromboembolism
- 8. DVT deaths (MI's, Strokes, that don't include a PE are not included as we do not yet have a source for this data. VTE related deaths will likely increase the numbers currently stated in PE deaths.
- 9. A minimum IUD-related mortality rate of approximately 3 per million woman-years of use. CDC Current Trends IUD Safety: Report of a National Physician Survey Oct. 17,1997
- 10. IMS Health, National Prescription Reports 2014.