



	Meta	nPT/nT**	Location	Relative C level associations with PTB		
				TC	LDL	HDL
Early/Mid-pregnancy (<27 weeks)						
<i>North America</i>						
Catov et al. 2007a (CC)***	Yes	90/199	US-PA	high	high	none
Catov et al. 2007b (CC)	No	109/288	US-PA	high ^a	--	--
Edison et al. 2007 (C)	No	70/988	US-SC	low	--	--
Catov et al. 2008 (CC)	No	101/219	US-PA	--	high ^b	--
Kramer et al. 2009 (CC)	Yes	207/444	Canada	none	none	low
Baker et al. 2010 ^c (CC)	Yes	30/90	US-NC	non none	none	
Mudd et al. 2012 ^d (C)	Yes	221/988	US-MI	low/high	low/high	low/high
Alleman et al. 2013* (C)	Yes	200/2499	US-IA	none ^e	none	none
Jelleffi-Pawlowski et al. 2014* (CC)	No	129/713	US-CA, IA	none ^f	none ^f	none ^f
<i>Europe</i>						
Chatzi et al. 2009* (C)	No	71/554	Greece	none	none ^g	none ^g
Bartha et al. 2012 (CC)	Yes	48/50	Spain	low	low	low
Vrijkotte et al. 2012 (C)	Yes	207/3705	Amsterdam	none	--	--
Emet et al. 2013 (C)	No	44/757	Turkey	none	none	none
<i>Africa</i>						
Sanad et al. 2013 (C)	Yes	30/70	Egypt	low	--	--
Maymunah et al. 2014 ^h (C)	No	23/264	Nigeria	high	--	--
Oluwole et al. 2014 (C)	Yes	13/248	Nigeria	low	--	--
Oaks et al. 2017 ⁱ	No	320	Ghana	--	--	--
<i>Asia</i>						
Lei et al. 2016 (C)	No	810/4725	China	--	--	low
<u>Late pregnancy (27 weeks-delivery)</u>						
<i>Europe</i>						
Emet et al. 2013 (C)	No	44/757	Turkey	none	none	none
<i>Africa</i>						
Oaks et al. 2017 ⁱ	No	320	Ghana	--	--	--
<i>Asia</i>						
Li et al. 2015 (CC)	Yes	200/178	China	low	low	low
Sowmiya et al. 2015 ^j (C)	No	37/363	India	high	--	--
Jin et al. 2016 ^k (C)	No	27/907	China	none	none	none
Cheng-Mao 2017 (CC)	No	97/48	China	low	low	low

*Associations of PTB risk and lipid levels only when combined with other factors, or was part of a predictive model.

**nPT is the number of women with preterm births and nT is the number of women with term births in the study.

***Type of study: (C) is a cohort study and (CC) is a case control study.

^aAn association was found between dyslipidemia (TC>240 mg/dl or TG>140 mg/dl) and PTB. The association increased when combined with inflammation (CRP).

^bOnly an association with hypercholesterolemia was examined. The association occurred with PTB at 34-37 weeks and with <34 weeks of age when combined with CRP.

^cAn association was found between low HDL-associated paroxanase and PTB.

^dAssociations were different for spontaneous (high C increased risk) versus medically-induced (low C increased risk) PTB.

^eAn association was found only when total cholesterol was included in a prediction model that included afetoprotein and inhibin A.

^fAn association was found between early PTB when Q1 of HDL-C, HDL-C/TC or Q4 of LDL-C/HDL-C was combined with Q4 of TNFα.

^gAn increased risk of PTB was found with a higher LDL/HDL ratio when combined in a model with other maternal factors.

^hThis group determined the number of women with low, normal (200-240 mg/dl), or high cholesterol concentration with preterm births.

ⁱThis group did not examine the relationship of cholesterol and PTB, though their research showed an association of low HDL-C concentration late in gestation and shorter gestational length.

^jAssociations were made for women with normal versus "abnormal" cholesterol concentrations, either high or low.

^kOnly 2.9% of births in this study were preterm.