Supplementary Online Content

Zash R, Jacobson DL, Diseko M, et al. Comparative safety of antiretroviral treatment regimens in pregnancy. *JAMA Pediatr*. Published online August 7, 2017. doi:10.1001/jamapediatrics.2017.2222

eTable. Additional Analyses

This supplementary material has been provided by the authors to give readers additional information about their work.

e l'able. P	Additional Ana	•					
	TDF/FTC/	TDF/FTC/	ZDV/3TC/	TDF/FTC/	ZDV/3TC/		
	EFV	NVP	NVP	LPV-r	LPV-r		
D (1 (1 (aRR (95% CI)	aRR (95% CI)	aRR (95% CI)	aRR (95% CI)	aRR (95% CI)		
Restricted to CD4 >350 in pregnancy							
Any	1 [Reference]	1.0 (0.8-0.3)	1.3 (1.1-1.6)	1.2 (0.9-1.7)	1.2 (0.8-1.8)		
Adverse							
Outcome							
Any Severe	1 [Reference]	1.3 (0.9-2.0)	2.4 (1.0-2.0)	1.6 (0.9-2.9)	2.7 (1.5-4.8)		
Adverse							
Outcome							
Preterm	1 [Reference]	0.5 (0.3-0.8)	0.9 (0.7-1.2)	1.4 (0.9-2.2)	0.8 (0.4-1.6)		
(<37wks)	L						
Very	1 [Reference]	0.9 (0.4-2.2)	1.1 (0.6-2.2)	1.8 (0.6-5.2)	1.3 (0.3-5.6)		
Preterm	I [Itererenee]	0.9 (0.1 2.2)	1.1 (0.0 2.2)	1.0 (0.0 5.2)	1.5 (0.5 5.0)		
(<32wks)							
Small for	1 [Reference]	1.7 (1.2-2.3)	1.8 (1.3-2.4)	1.4 (0.8-2.3)	1.8 (1.1-3.2)		
	I [Kelelence]	1.7 (1.2-2.3)	1.0 (1.3-2.4)	1.4 (0.8-2.3)	1.0 (1.1-3.2)		
gestational							
age (SGA)							
(<10 th %tile)	1 (D ())	1 (()) 0 0 0	1.5 (0.0.0.4)		2 (1 2 5 0)		
Very SGA	1 [Reference]	1.6 (0.9-2.7)	1.5 (0.9-2.4)	2.0 (1.0-4.1)	2.6 (1.2-5.8)		
(<3 rd %tile)							
Stillbirth							
	*						
Neonatal							
Death	*						
Adjusted for CD4 count							
Any Adverse	Any Adverse Outcome						
Model	1 [Reference]	1.1 (0.9-1.3)	1.3 (1.1-1.5)	1.2 (0.9-1.6)	1.1 (0.8-1.7)		
excluding		1.1 (0.7-1.3)	1.5 (1.1-1.5)	1.2 (0.9-1.0)	1.1 (0.0-1.7)		
unknown							
CD4							
	1 [D (]	11(0012)			10(0017)		
Additionally	1 [Reference]	1.1 (0.9-1.3)	1.3 (1.1-1.5)	1.3 (1.0-1.7)	1.2 (0.8-1.7)		
adjusting for							
CD4							
(continuous)							
Additionally							
adjusting for	1 [Reference]	1.1 (0.9-1.3)	1.3 (1.1-1.5)	1.2 (0.9-1.7)	1.2 (0.8-1.7)		
CD4							
(categorical)							
Any Severe A	dverse Outcome	?					
Model	1 [Reference]	1.4 (0.9-2.0)	1.4 (1.0-2.0)	1.6 (0.9-2.8)	2.4 (1.4-4.2)		
excluding	[(0.2)					
unknown							
CD4							
				l			

eTable. Additional Analyses

	TDF/FTC/	TDF/FTC/	ZDV/3TC/	TDF/FTC/	ZDV/3TC/			
	EFV aRR (95% CI)	NVP aRR (95% CI)	NVP aRR (95% CI)	LPV-r aRR (95% CI)	LPV-r aRR (95% CI)			
Any Severe Adverse Outcome (cont.)								
Additionally adjusting for	1 [Reference]	1.4 (1.0-2.1)	1.5 (1.0-2.0)	1.8 (1.0-3.1)	2.6 (1.5-4.5)			
CD4 (continuous)								
Additionally adjusting for CD4 (categorical)	1 [Reference]	1.4 (1.0-2.1)	1.5 (1.1-2.0)	1.7 (1.0-2.9)	2.4 (1.4-4.2)			
Adjusted for time on ART prior to conception (days)								
Any Adverse Outcome	1 [Reference]	1.1 (1.0-1.3)	1.3 (1.2-1.5)	1.3 (1.1-1.5)	1.2 (1.0-1.5)			
Any Severe Adverse Outcome	1 [Reference]	1.4 (1.2-1.8)	1.7 (1.4-2.0)	1.5 (1.1-2.1)	1.9 (1.4-2.6)			
Adjusted for time on ART prior to conception (categorical: <2yrs- 2-5yrs- >5yrs)								
Any Adverse Outcome	1 [Reference]	1.1 (1.0-1.3)	1.3 (1.2-1.4)	1.3 (1.1-1.5)	1.2 (1.0-1.5)			
Any Severe Adverse Outcome	1 [Reference]	1.4 (1.1-1.7)	1.6 (1.3-2.0)	1.4 (1.0-2.0)	1.8 (1.3-2.5)			
Adjusted for	Adjusted for calendar year of delivery							
Any Adverse Outcome	1 [Reference]	1.1 (1.0-1.3)	1.3 (1.2-1.4)	1.3 (1.1-1.5)	1.2 (1.0-1.5)			
Any Severe Adverse Outcome	1 [Reference]	1.4 (1.2-1.8)	1.7 (1.5-2.0)	1.6 (1.2-2.1)	1.9 (1.4-2.6)			
Re-categorize	Re-categorized all unspecified ART started after Jan 1, 2012 as TDF/FTC/EFV							
Any Adverse Outcome	1 [Reference]	1.1 (1.0-1.2)	1.3 (1.2-1.4)	1.3 (1.1-1.5)	1.2 (1.0-1.4)			
Any Severe Adverse Outcome	1 [Reference]	1.3 (1.1-1.6)	1.5 (1.3-1.8)	1.4 (1.1-1.9)	1.8 (1.3-2.4)			

EFV aRR (95% CI)NVP aRR (95% CI)NVP aRR (95% CI)LPV-r aRR (95% CI)Included all births to women who were on ART at conception but charge terminated ART (using conception regimen)ART (05% CI)aRR (95% CI)Any Adverse Outcome1 [Reference]1.1 (1.0-1.3)1.3 (1.2-1.4)1.3 (1.1-1.5)Adverse Outcome11.4 (1.2-1.7)1.7 (1.4-2.0)1.6 (1.2-2.1)Adverse Outcome11.4 (1.2-1.7)1.7 (1.4-2.0)1.6 (1.2-2.1)	ged or 1.2 (1.0-1.5) 1.9 (1.4-2.6)								
Included all births to women who were on ART at conception but changeterminated ART (using conception regimen)Any1 [Reference]Any1 [Reference]Adverse1.1 (1.0-1.3)Outcome1.3 (1.2-1.4)Any Severe1 [Reference]Adverse1.4 (1.2-1.7)Outcome1.6 (1.2-2.1)	1.2 (1.0-1.5) 1.9 (1.4-2.6)								
Any 1 [Reference] 1.1 (1.0-1.3) 1.3 (1.2-1.4) 1.3 (1.1-1.5) Adverse Outcome 1 Image: Reference] 1.4 (1.2-1.7) 1.7 (1.4-2.0) 1.6 (1.2-2.1) Adverse Outcome Image: Reference] 1.4 (1.2-1.7) 1.7 (1.4-2.0) 1.6 (1.2-2.1) Adverse Outcome Image: Reference] 1.4 (1.2-1.7) Image: Reference] Image: Reference]	1.9 (1.4-2.6)								
Adverse Outcome Image: Constraint of the system Image: Constrated Image: Constraint of the system	1.9 (1.4-2.6)								
Outcome Image: Constraint of the system Image: Constand of the system									
Any Severe Adverse 1 [Reference] 1.4 (1.2-1.7) 1.7 (1.4-2.0) 1.6 (1.2-2.1) Outcome 0									
Adverse Outcome									
Outcome	by maternity								
	by maternity								
	by maternity								
Adjusted models including the robust variance estimator for clustering by maternity									
site									
Any 1 [Reference] 1.1 (1.0-1.3) 1.3 (1.2-1.4) 1.3 (1.2-1.4)	1.2 (1.0-1.5)								
Adverse									
Outcome									
Any Severe 1 [Reference] 1.4 (1.2-1.6) 1.7 (1.5-1.9) 1.6 (1.4-1.8)	1.9 (1.7-2.2)								
Adverse Outcome									
Excluded Neonatal Death from the primary composite outcomes									
Any 1 [Reference] 1.1 (1.0-1.3) 1.3 (1.2-1.4) 1.3 (1.1-1.5)	1.2 (1.0-1.4)								
Adverse									
Outcome Image: Constraint of the second	1.8 (1.3-2.5)								
Any Severe 1 [Reference] 1.4 (1.2-1.7) 1.7 (1.4-2.0) 1.6 (1.2-2.2) Adverse 1.6 (1.2-2.2) 1.6 (1.2-2.2) 1.6 (1.2-2.2)	1.8 (1.3-2.3)								
Outcome									
Excluded SGA if gestational age >39wks									
SGA (<10 th 1 [Reference] 1.7 (1.4-2.1) 2.0 (1.7-2.4) 1.7 (1.2-2.3)	1.2 (0.8-1.9)								
SGA (<10	1.2 (0.8-1.9)								
Low Birthweight (LBW)									
LBW 1 [Reference] 1.3 (1.1-1.5) 1.6 (1.5-1.9) 1.4 (1.1-1.8)	1.6 (1.2-2.1)								
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1.0 (1.2-2.1)								
Very LBW 1 [Reference] 1.6 (1.1-2.5) 2.2 (1.6-3.0) 1.6 (0.8-3.1)	2.2 (1.2-4.3)								
<1500g	(1.2								
Time on ART prior									
to conception as the <i>22</i> years <i>2-4</i> years <i>5-10</i> years <i>210</i>	>10 years								
exposure (adjusting ark ark ark ark	aRR								
for ART regimen) (95%CI) (95%CI) (95%CI) (95%CI)	6CI)								
	0.7-1.0)								
Outcome									
Any Severe Adverse 1 [Reference] 0.9 (0.7-1.2) 0.9 (0.7-1.2) 0.8 (0.7-1.2)	0.6-1.1)								
Outcome									

* Due to low number of outcomes, models do not converge.