

Supplementary Table 1: Search strategy for Embase 1974 to 2015

No	Search term	Number of study
1	(Preterm neonate* or term neonate* or neonate* or new-born* or child* or children or p*ediatric* or infant*or adolescent*).ti.	903853
2	pharmacokinetic*.ti.	74328
3	(Blood or plasma or specimen or serum or blood sampling or blood sample*).mp.	4775864
4	1 and 2 and 3	3067
5	limit 4 to (human and article)	2231