

S4 Table. Clean and safe delivery, immediate newborn care and complications management for mothers who had a birth in the 3-15 months prior to the baseline (October – December 2013) and follow-up (November-December 2017) surveys

	Home deliveries				Institutional deliveries			
	OR	P-value	AOR*	P-value	OR	P-value	AOR*	P-value
4. Clean and safe Delivery								
Birth assistant washed hands with soap ^a	0.79 (0.60,1.03)	0.09	0.80 (0.60,1.05)	0.12	0.54 (0.39,0.75)	<0.001	0.54 (0.39,0.76)	<0.001
Birth assistant wore gloves ^b	1.24 (0.85,1.82)	0.26	1.26 (0.84,1.87)	0.26	0.39 (0.17,0.90)	0.02	0.37 (0.15,0.91)	0.03
Delivery took place on a clean surface ^c	0.26 (0.18,0.38)	<0.0001	0.25 (0.17,0.37)	<0.0001	0.73 (0.33,1.66)	0.45	0.69 (0.30,1.61)	0.39
5. Immediate newborn care								
Clamp or new or boiled thread or string used to tie cord	1.23 (0.91,1.69)	0.17	1.30 (0.94,1.77)	0.10	1.04 (0.71,1.53)	0.82	1.09 (0.73,1.63)	0.66
New razor blade or sterilized scissors used to cut cord	0.50 (0.32,0.79)	<0.01	0.49 (0.32,0.77)	<0.01	0.76 (0.52,1.09)	0.13	0.78 (0.53,1.13)	0.18
Antiseptic used on the cord	6.98 (2.34,20.81)	<0.0001	7.17 (2.39,21.55)	<0.0001	3.75 (1.76,8.02)	<0.001	3.66 (1.73,7.74)	<0.001
Newborn postnatal check in first 2 days	0.21 (0.09,0.50)	<0.0001	0.20 (0.08,0.48)	<0.0001	0.15 (0.08,0.29)	<0.0001	0.15 (0.08,0.29)	<0.0001
6. Recognition and management of asphyxia								
Newborn with difficulty crying/breathing	0.31 (0.17,0.58)	<0.0001	0.30 (0.16,0.56)	<0.0001	0.43 (0.24,0.71)	<0.001	0.43 (0.26,0.70)	<0.001
Among them, resuscitated newborns	2.48 (0.40,15.21)	0.31	1.72 (0.23,12.67)	0.59	0.58 (0.24,1.38)	0.21	0.52 (0.17,1.55)	0.23
7. Prevention and management of hypothermia								
Newborn placed on mother's belly or chest immediate after birth	2.06 (1.48,2.88)	<0.0001	2.06 (1.47,2.88)	<0.0001	1.49 (1.00,2.22)	0.05	1.54 (1.02,2.32)	0.04
Bathing of newborn delayed for 24 hrs	1.79 (1.30,2.47)	<0.001	1.79 (1.29,2.49)	<0.001	1.21 (0.82,1.79)	0.34	1.25 (0.84,1.86)	0.26
8. Management of pre-term and low birth weight neonates								
Newborn weighed at birth	1.43 (0.89,2.31)	0.13	1.39 (0.86,2.25)	0.18	0.94 (0.67,1.32)	0.73	0.97 (0.69,1.36)	0.84

*Adjusted for maternal age and education.