

Additional file 2: Table S1. Sample sizes (unweighted) used in analyses, by survey

Sample description	Used in analysis presented in:	Survey year			
		1995	2001	2006	2011
All women 15-49 surveyed	-	7,070	7,246	8,531	8,674
Total number of live births in recall period	SM2	7,145	7,115	8,369	7,879
Women with 1+ live births in survey recall period (= number of most recent live births in survey recall period)	Fig 1, Fig 2, Fig 3, SM2, SM4	4,291	4,252	5,004	4,909
Women with 1+ live births in survey recall period who used 1+ ANC visits, at least one with a medical professional	Fig 4A, SM4	3,698	3,954	4,722	4,683
Women with 1+ live births in survey recall period who used 4+ ANC visits, at least one with a medical professional	Fig 5, SM4	2,015	1,895	2,377	2,447
Women with 1+ live births in survey recall period who delivered in a facility	Fig 4B, Fig 6, SM2, SM4	1,748	1,918	2,229	3,078

Additional file 2: Table S2. Comparison of estimates of deliveries from all births to most recent births, by survey

% of births with facility delivery care		1995	2001	2006	2011
Most recent live births in recall period	Estimate	33.6%	39.1%	44.7%	61.1%
	Lower CI	30.3%	35.5%	41.8%	58.1%
	Upper CI	37.1%	42.8%	47.7%	64.0%
All births in recall period	Estimate	29.1%	37.4%	41.3%	58.3%
	Lower CI	26.4%	34.1%	38.9%	55.4%
	Upper CI	32.1%	40.9%	43.8%	61.2%
% births by caesarean section		1995	2001	2006	2011
Most recent live births in recall period	Estimate	2.2%	3.0%	3.6%	6.1%
	Lower CI	1.6%	2.5%	3.0%	5.3%
	Upper CI	2.9%	3.6%	4.3%	7.1%
All births in recall period	Estimate	1.8%	2.5%	3.1%	5.3%
	Lower CI	1.4%	2.1%	2.6%	4.5%
	Upper CI	2.3%	3.0%	3.8%	6.1%

CI – 95% confidence interval

Additional file 2: Table S3. Categorisation of ANC and delivery care locations into sector of provision, by survey

Survey	Antenatal care locations	Delivery care locations
1995	Not captured	Public sector: government hospital, government health center, government health unit, other public sector Private sector: Private hospital/clinic, other private medical
2000	Not captured	Public sector: government hospital, government health center, government health/aid post, other public sector Private sector: Private hospital/clinic, other private medical
2006	Public sector: government hospital, government health center, government health post, other public Private sector: Private hospital/clinic, other private medical	
2011	Public sector: government hospital, government health center, other public sector Private sector: Private hospital/clinic, other private	

Additional file 2: Table S4. Change in coverage and co-coverage indicators over time

	Estimate (95%CI), by survey				Change over time from earliest (1995, ANC sector: 2006) to most recent survey (2011)	
	1995	2001	2006	2011	Absolute percentage point change	p-value (Chi2)
% of most recent live births in survey recall period with						
1+ ANC visits, at least one with a medical professional	86.4% (84.8-87.8)	92.4% (91.3-93.4)	94.1% (93.1-95.0)	94.9% (93.8-95.7)	8.5%	<0.001
Received in the public sector*	n/a	n/a	79.7% (77.1-82.1)	85.8% (83.7-87.6)	6.1%	<0.001
Received in the private sector	n/a	n/a	16.7% (14.5-19.2)	10.6% (9.0-12.4)	-6.1%	<0.001
Recommended ANC (4+ ANC visits, at least one with a medical professional)	44.7% (42.3-47.3)	41.6% (39.1-44.1)	46.6% (44.5-48.7)	47.3% (45.2-49.4)	2.6%	0.134
Facility delivery	33.6% (30.3-37.1)	39.1% (35.5-42.8)	44.7% (41.8-47.7)	61.1% (58.1-64.0)	27.5%	<0.001
Received in the public sector	57.9% (53.5-62.2)	60.4% (56.2-64.5)	71.6% (68.2-74.8)	74.9% (71.9-77.7)	17.0%	<0.001
Received in the private sector	42.1% (37.8-46.5)	39.6% (35.5-43.8)	28.4% (25.2-31.8)	25.1% (22.3-28.1)	-17.0%	<0.001
Caesarean section	2.2% (1.6-2.9)	3.0% (2.5-3.6)	3.6% (3.0-4.3)	6.1% (5.3-7.1)	3.9%	<0.001
Complete maternal care	21.9% (19.4-24.6)	22.7% (20.3-25.4)	26.3% (24.3-28.4)	32.9% (30.7-35.2)	11.0%	<0.001

* Public and private categories do not sum to 100% due to other two categories (public/private and home/other locations) as shown on Figure 4. The sum of these two categories remained the same between 2006 and 2011 (3.6%), therefore change over time is solely due to changes in the use of public versus private sector, as shown here.

Additional file 2: Table S5. Differences in the extent of socio-economic inequalities over time

Socio-economic characteristics*	Earliest survey (1995)		Most recent survey (2011)	
	Absolute percentage point difference	p-value (Chi2)	Absolute percentage point difference	p-value (Chi2)
Wealth quintile (poorest versus richest)				
1+ ANC visits, at least one with a medical professional	4.4%	0.031	3.2%	0.007
Recommended ANC	22.9%	<0.001	16.2%	<0.001
Facility delivery	43.5%	<0.001	45.2%	<0.001
Caesarean section	5.5%	<0.001	10.5%	<0.001
Complete maternal care	35.7%	<0.001	33.4%	<0.001
Education level (no education versus secondary and higher)				
1+ ANC visits, at least one with a medical professional	10.5%	<0.001	4.3%	0.004
Recommended ANC	31.4%	<0.001	11.0%	<0.001
Facility delivery	47.0%	<0.001	41.7%	<0.001
Caesarean section	2.2%	0.007	8.2%	<0.001
Complete maternal care	41.4%	<0.001	26.3%	<0.001
Residence (rural versus urban)				
1+ ANC visits, at least one with a medical professional	-0.7%	0.668	3.0%	0.010
Recommended ANC	19.1%	<0.001	11.6%	<0.001
Facility delivery	40.5%	<0.001	35.8%	<0.001
Caesarean section	4.0%	<0.001	9.7%	<0.001
Complete maternal care	33.4%	<0.001	23.6%	<0.001

* Differences by geographic zone are not shown because categories with lowest and highest coverage are not consistently the same across time and indicators.