

**Patterns and temporal trends of main reproductive characteristics in urban and rural populations of China: China Kadoorie Biobank study of 300,000 women**

**Supplementary material**

**Supplementary figure 1. Locations of the China Kadoorie Biobank recruitment centres**

**Supplementary figure 2. Time trends in mean age at menarche, by education separately in (a) urban; (b) rural areas**

**Supplementary figure 3. Time trends in number of live births, by education separately in (a) urban; (b) rural areas**

Among women with at least one live birth.

**Supplementary figure 4. Time trends in mean age at first birth, by education separately in (a) urban; (b) rural areas**

Among women with at least one live birth.

**Supplementary figure 5. Time trends in years between first and second birth, by education separately in (a) urban; (b) rural areas**

Among women with at least two live births.

**Supplementary figure 6. Time trends in mean duration of breast-feeding, by education separately in (a) urban; (b) rural areas**

Among women who had ever breastfed.

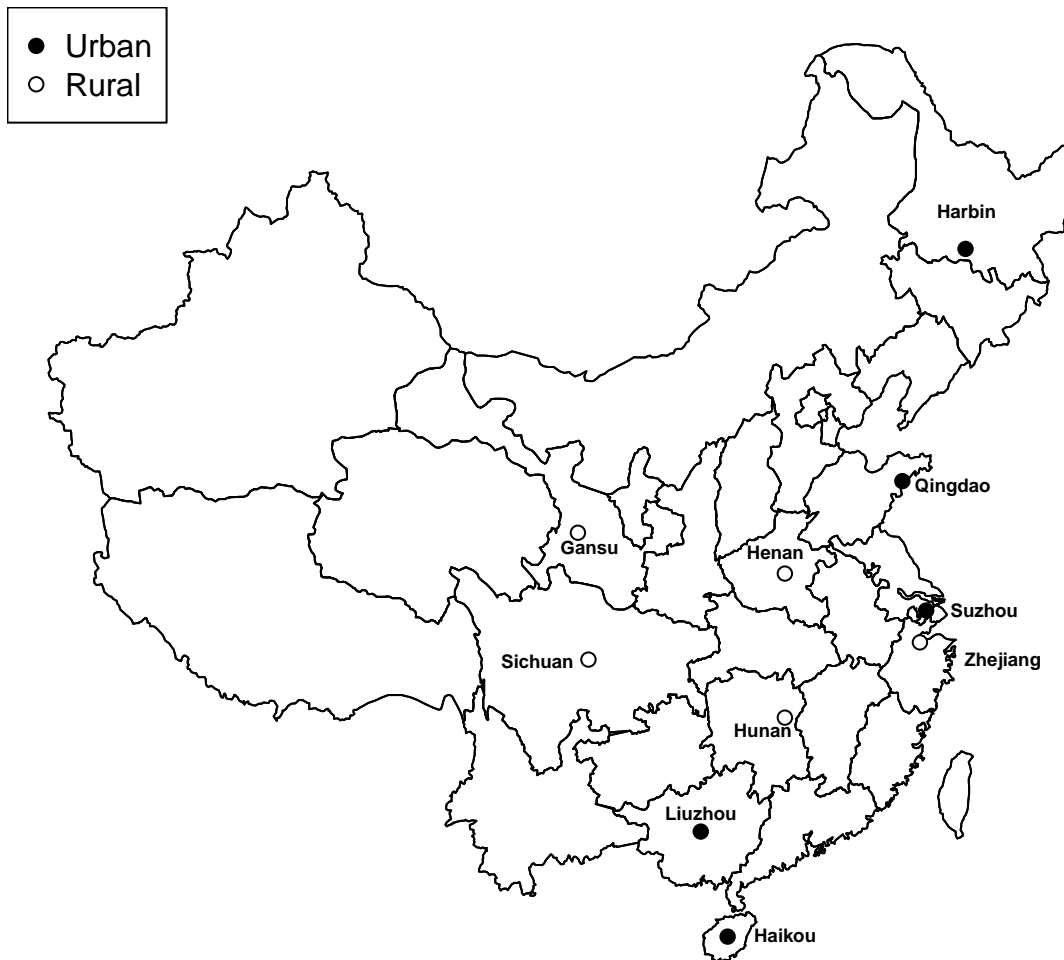
**Supplementary figure 7. Time trends in induced abortion, by education  
separately in (a) urban; (b) rural areas**

% experiencing abortion = number of women with at least one abortion/total number  
of women

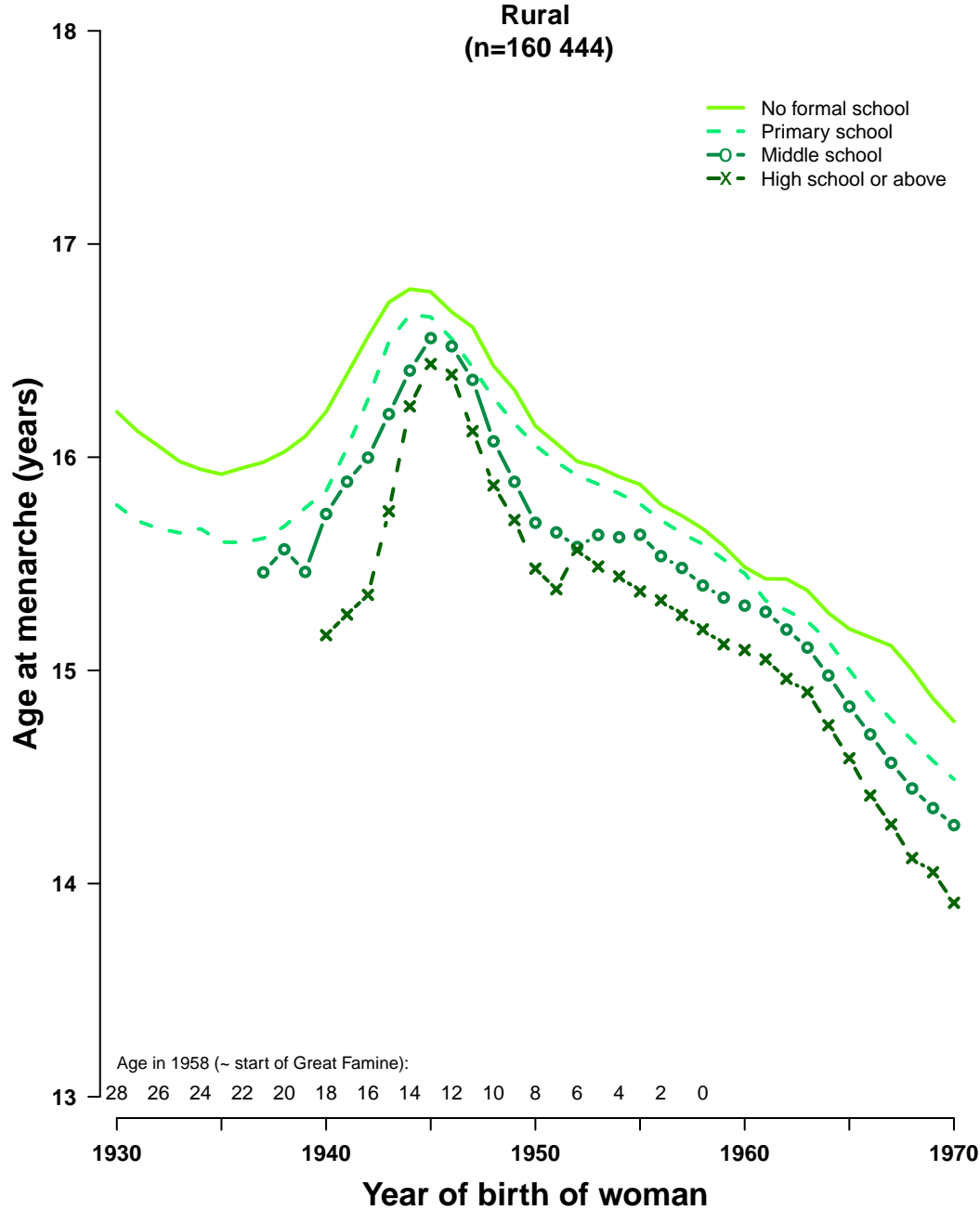
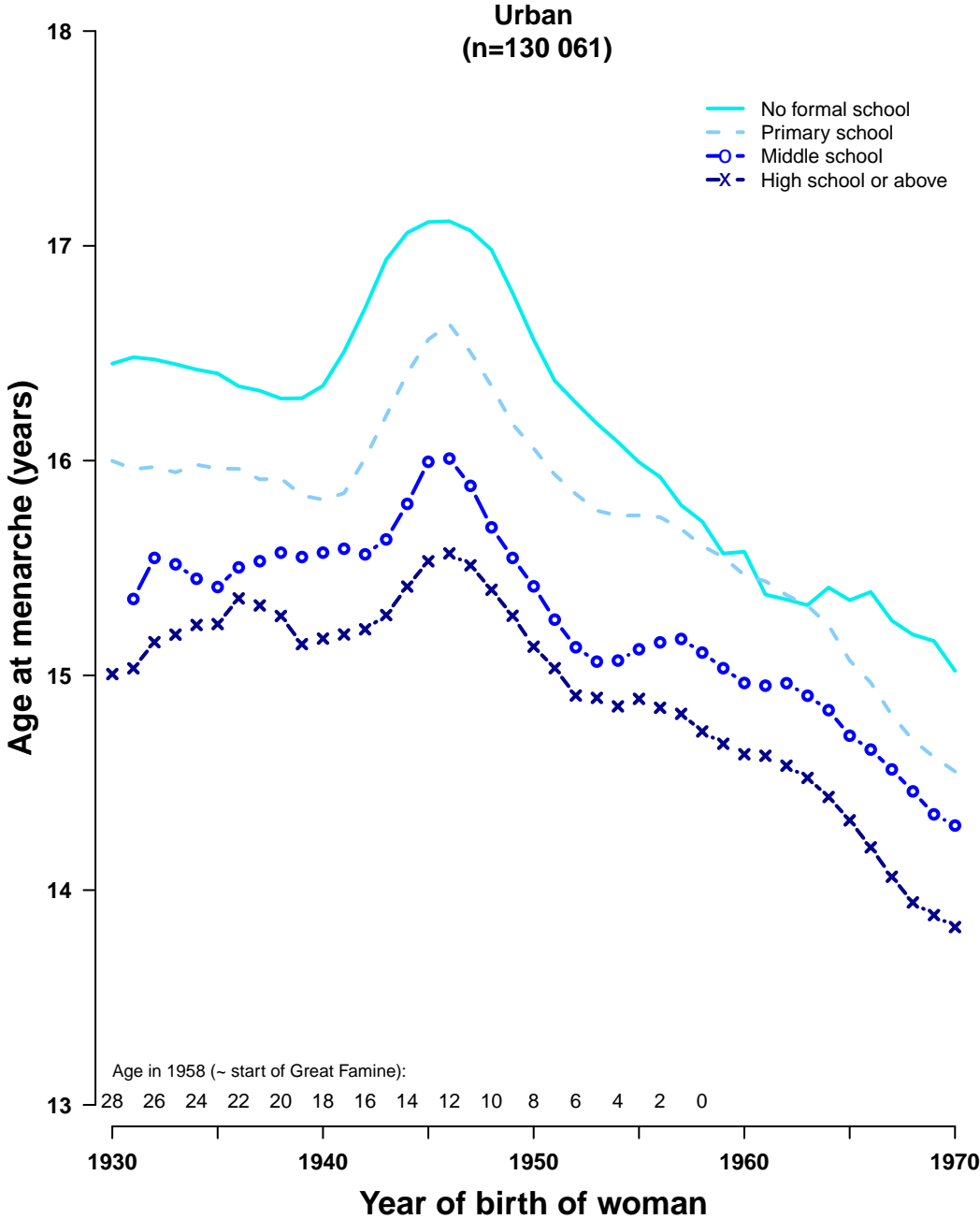
**Supplementary figure 8. Time trends in spontaneous abortion, by education**

% experiencing abortion = number of women with at least one abortion/total number  
of women

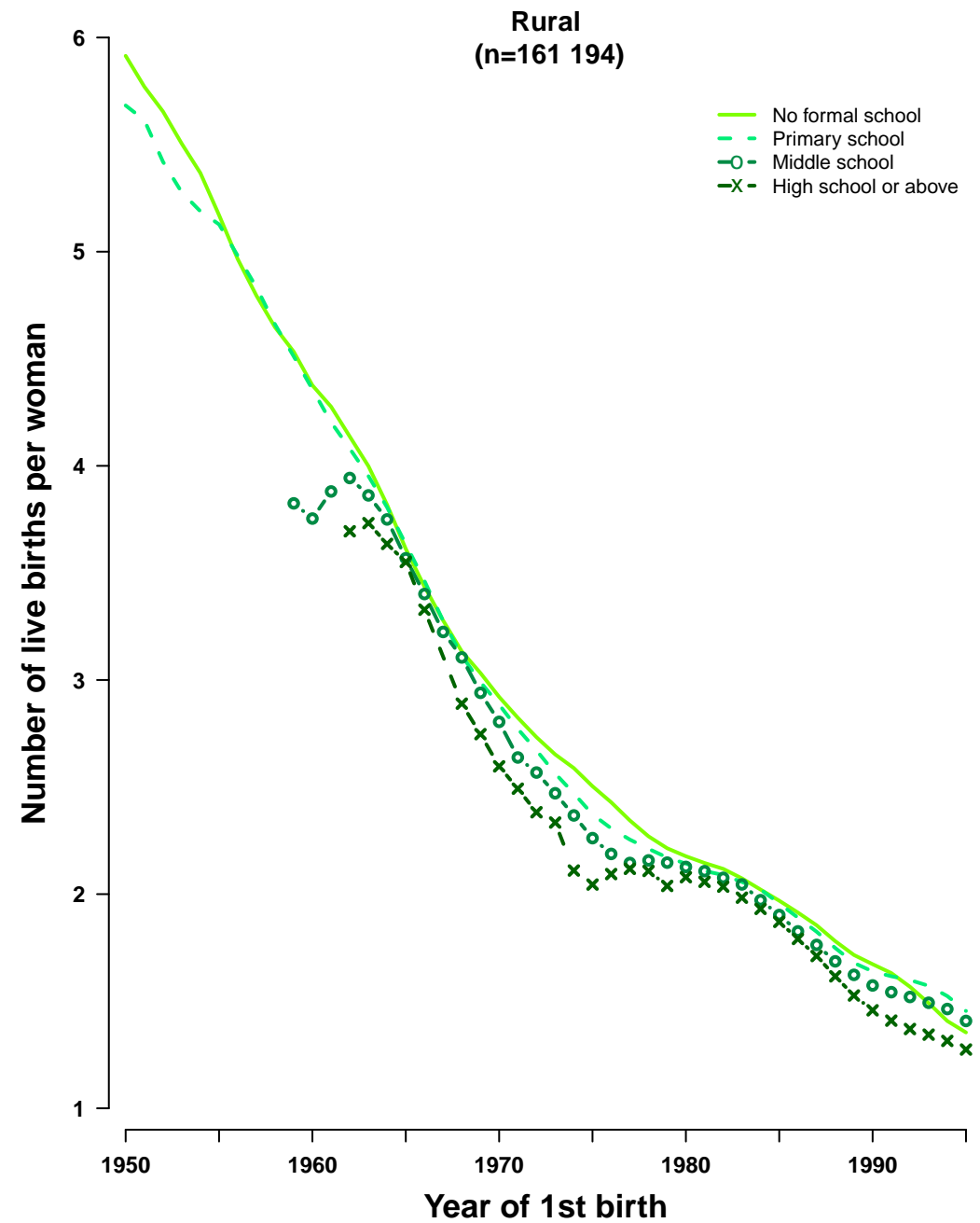
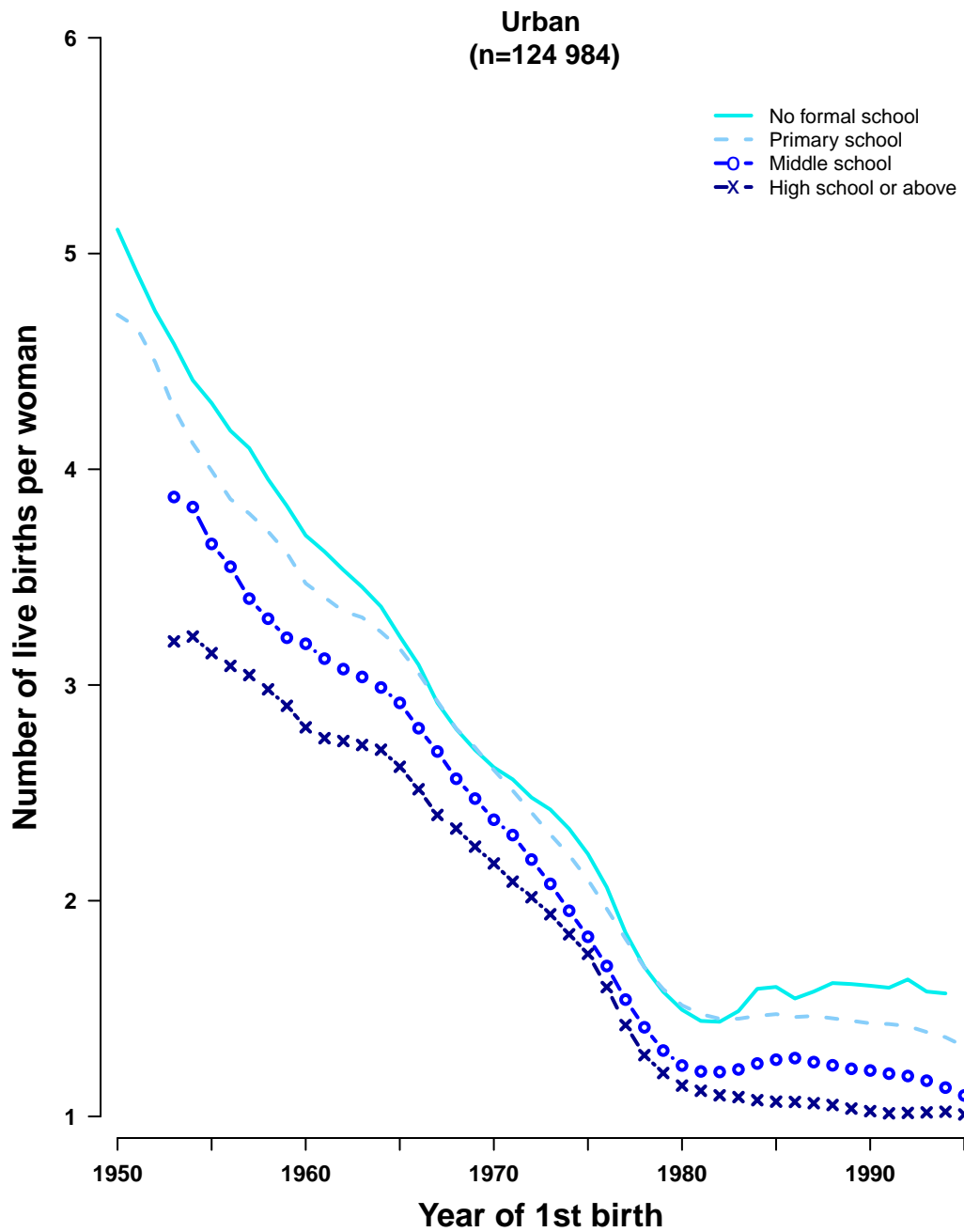
**Supplementary table 1. Demographic and reproductive characteristics in each  
of the 10 areas**

**Supplementary figure 1: Locations of the China Kadoorie Biobank recruitment centres**

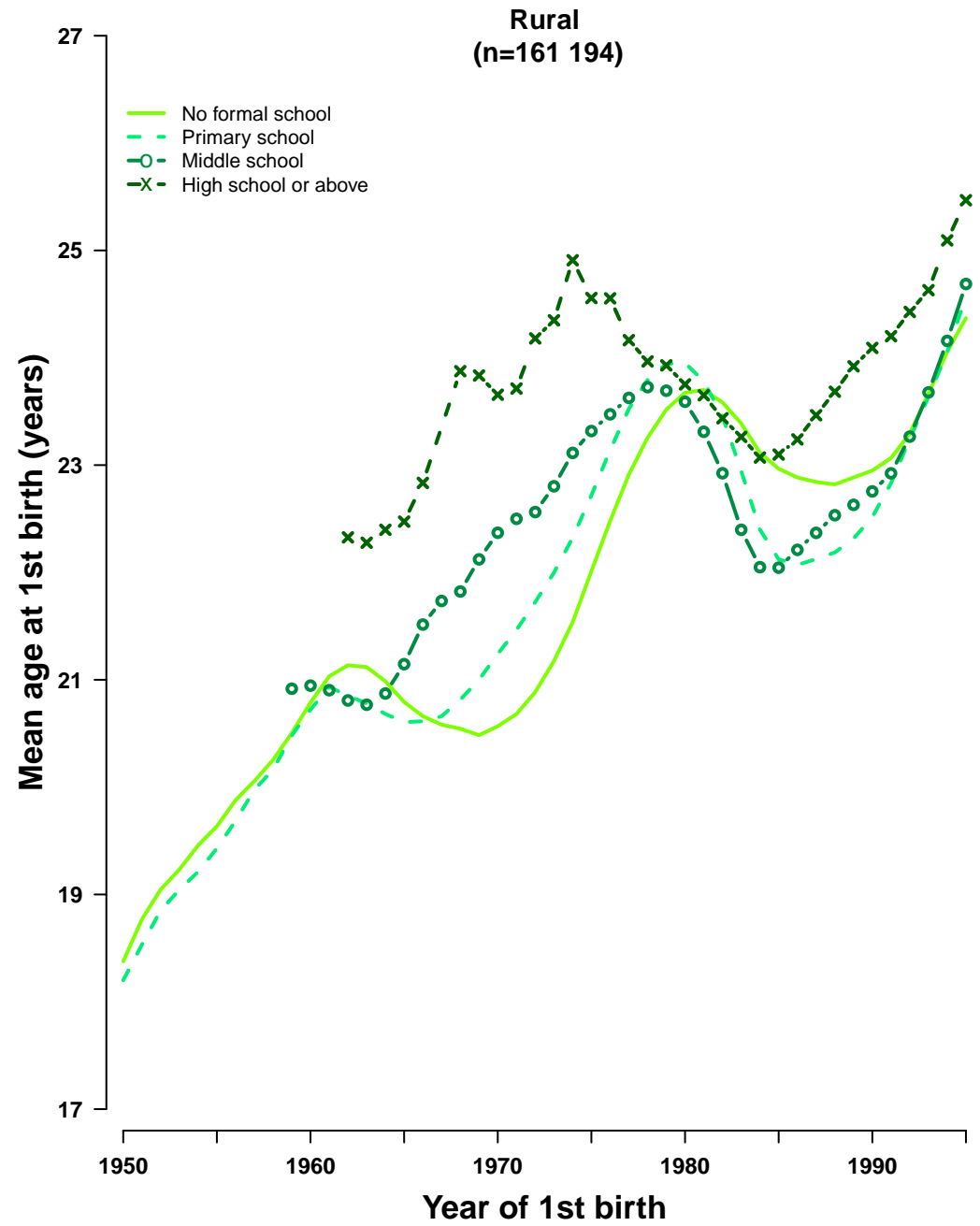
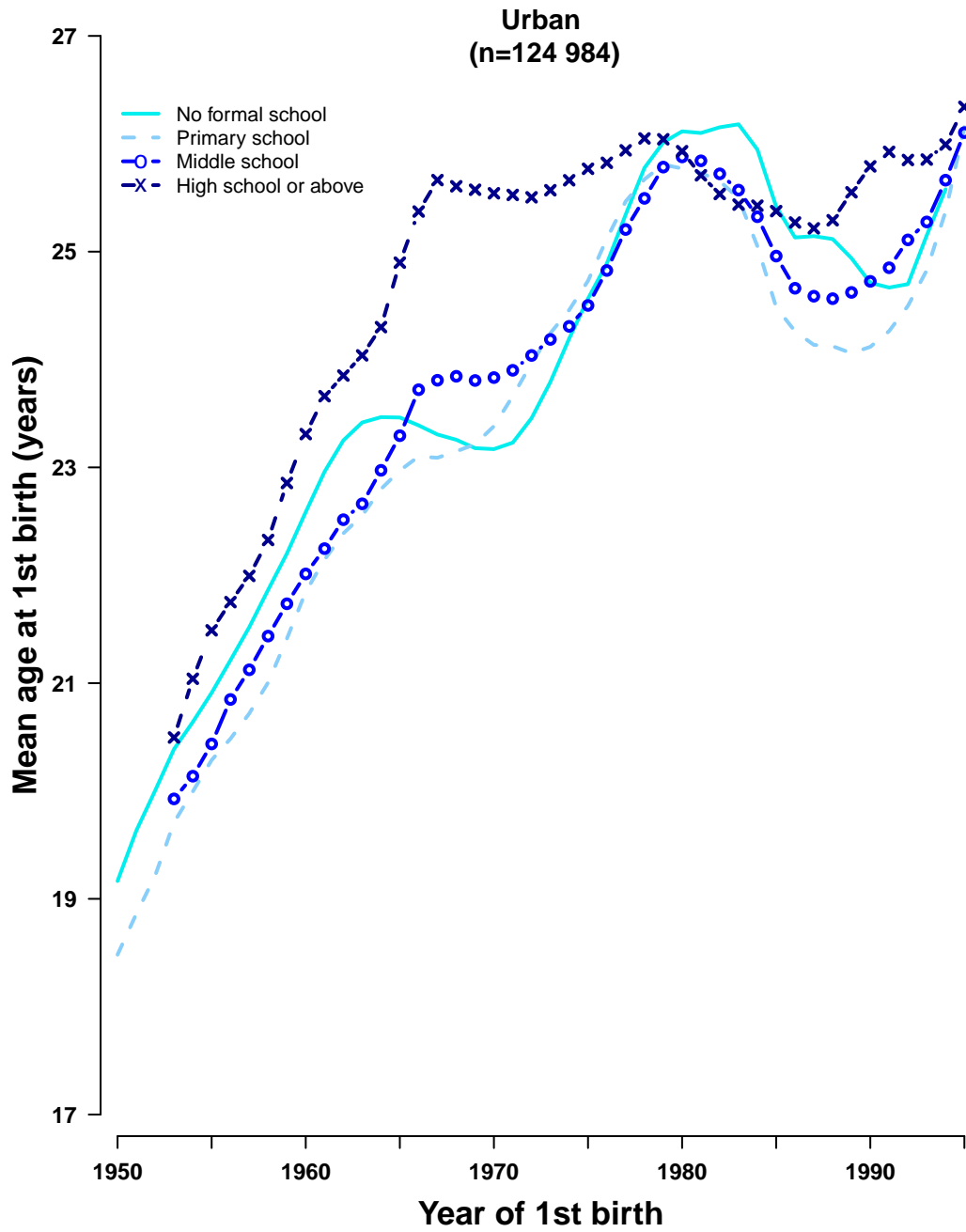
Supplementary Figure 2. Time trends in mean age at menarche in urban & rural regions, by education



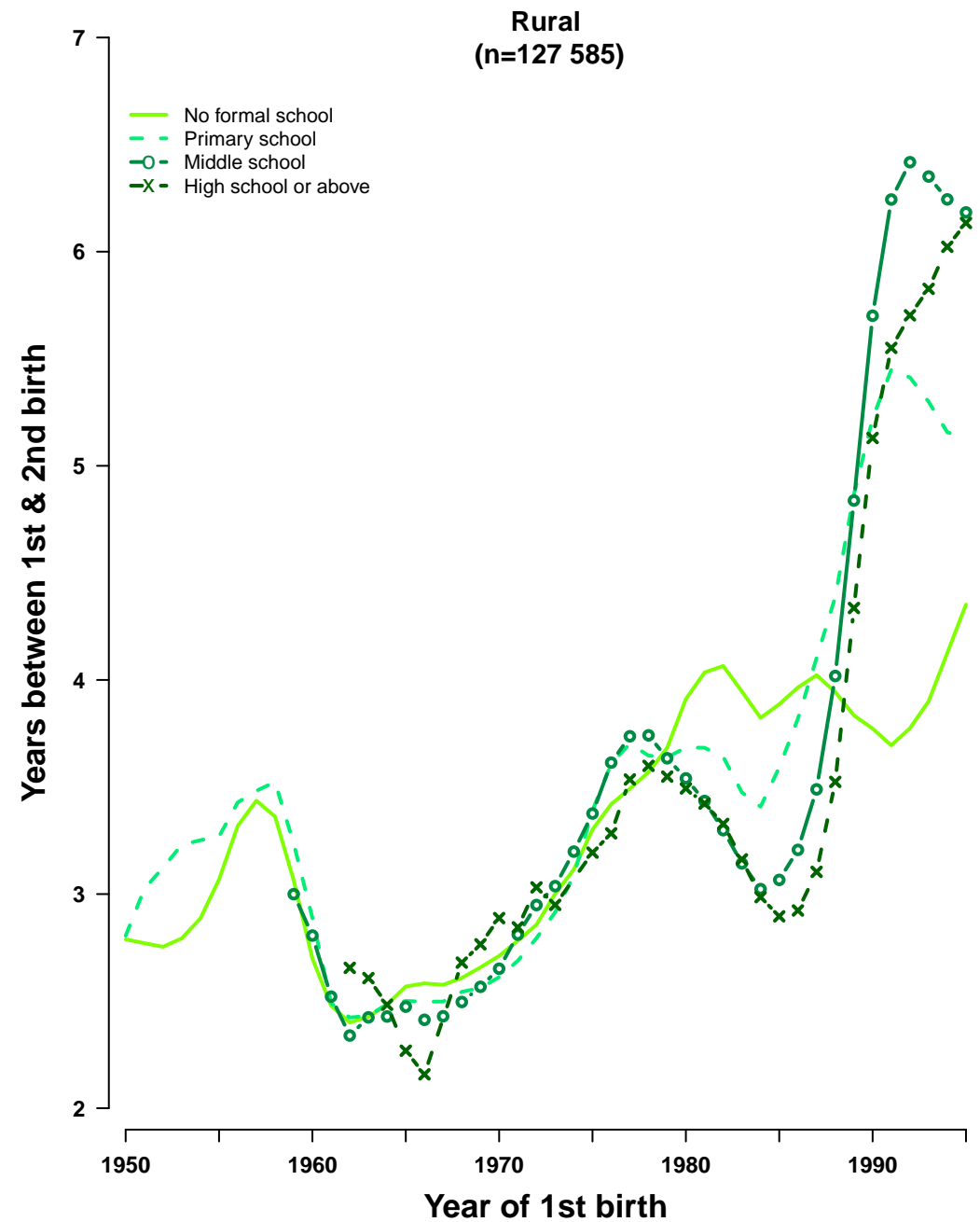
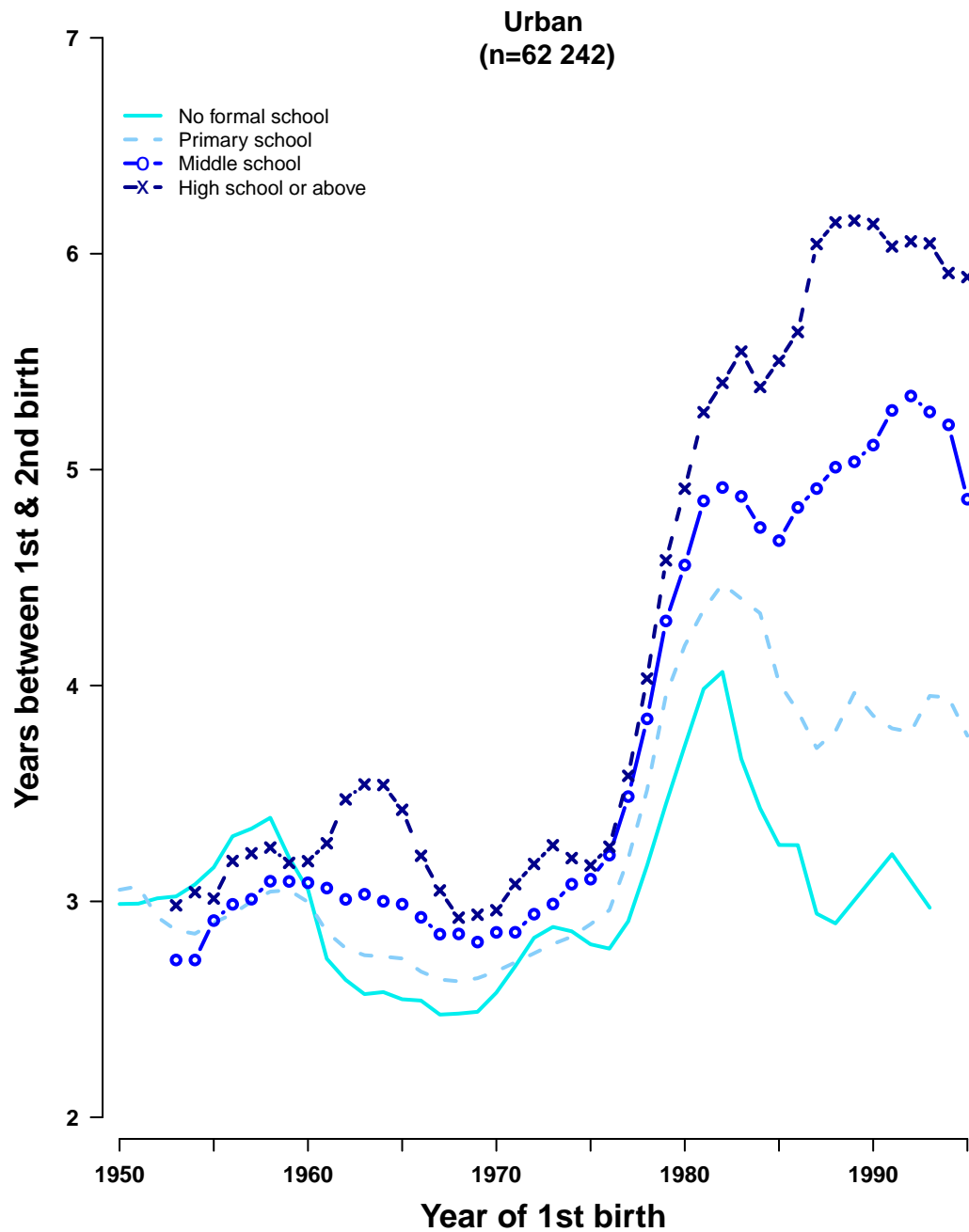
Supplementary Figure 3. Time trends in number of live births in urban &amp; rural, by education



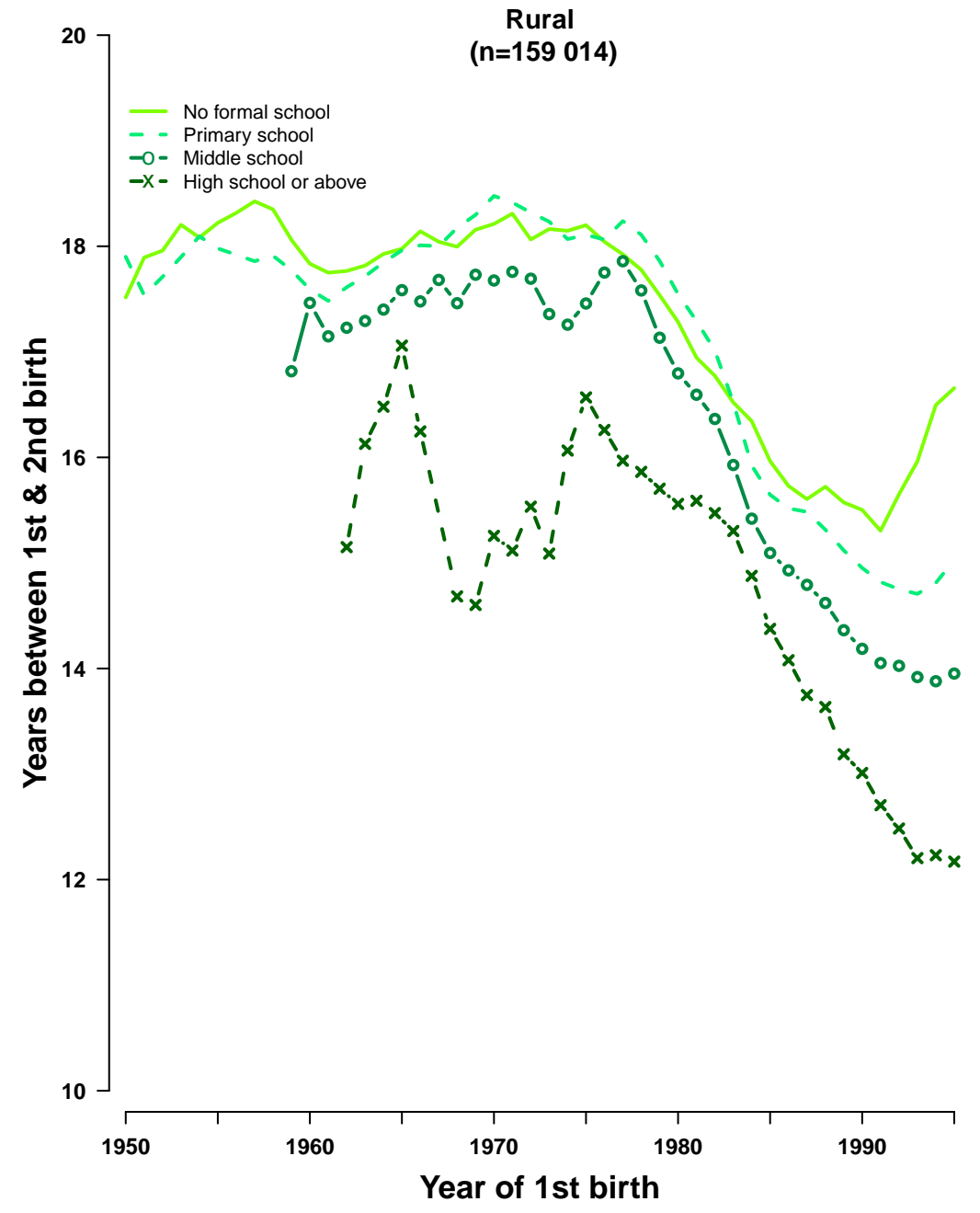
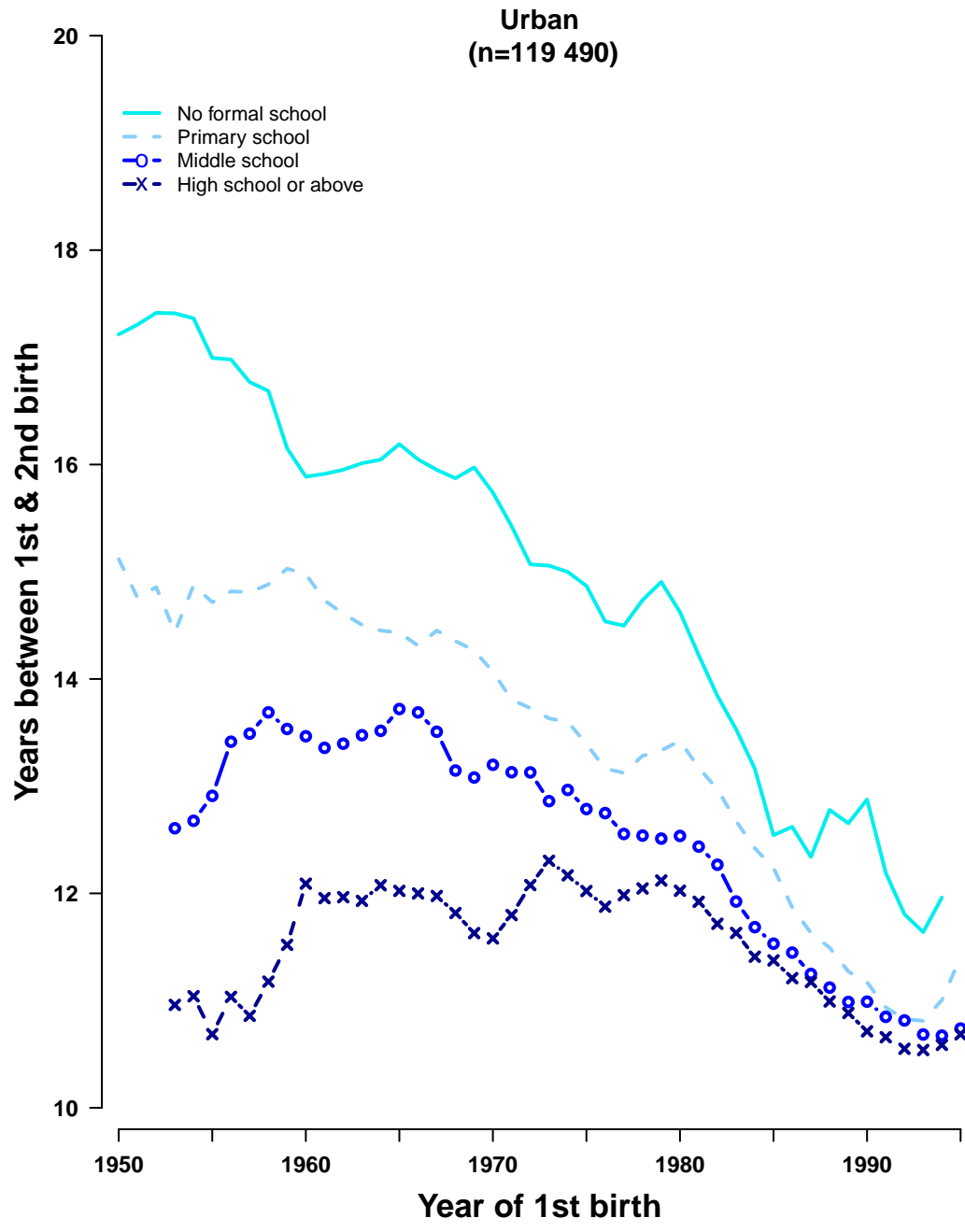
Supplementary Figure 4. Time trends in mean age at 1st birth in urban & rural, by education



Supplementary Figure 5. Time trends in years between 1st &amp; 2nd birth in urban &amp; rural, by education

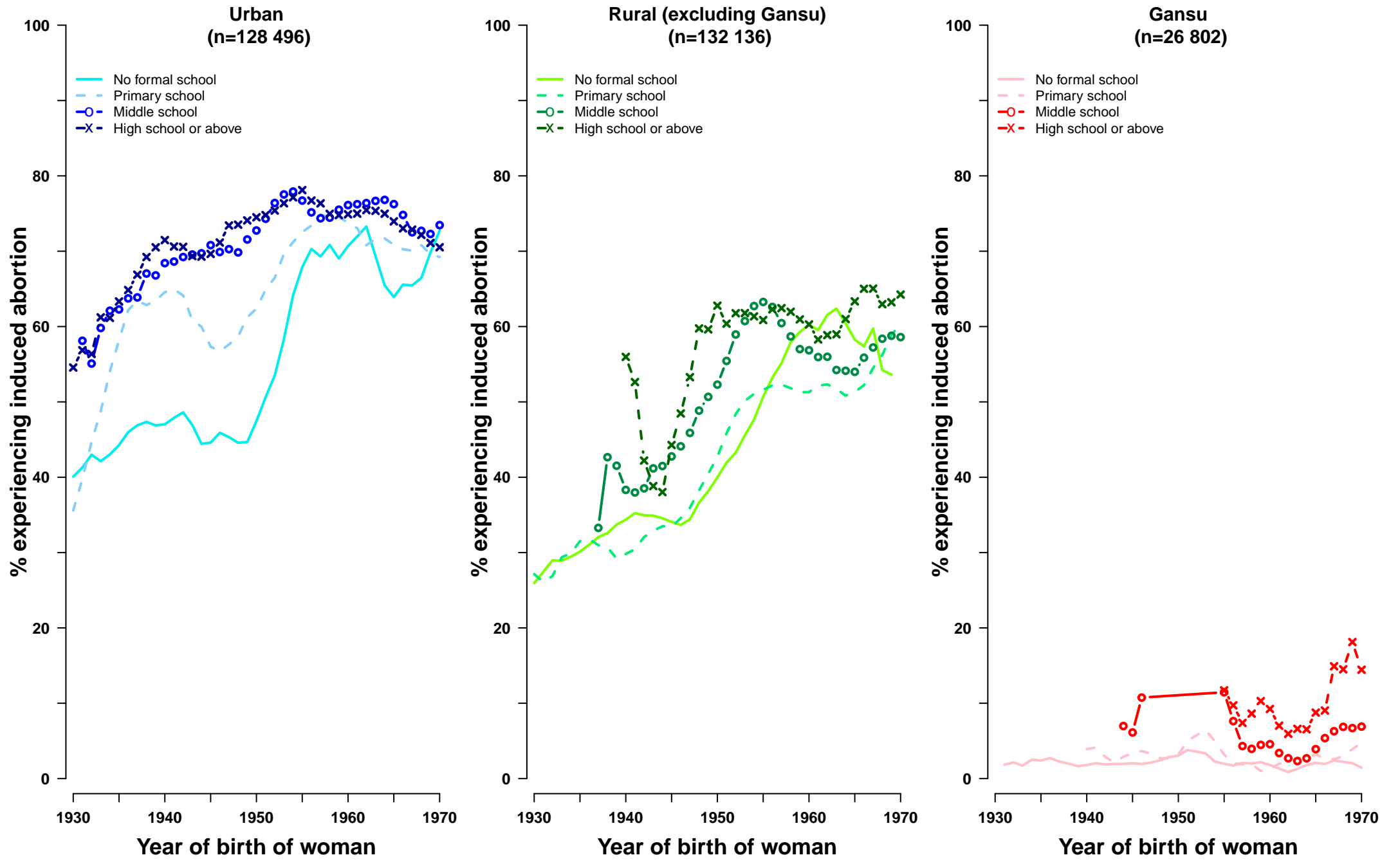


Supplementary Figure 6. Average duration of breast-feeding by year of 1st birth

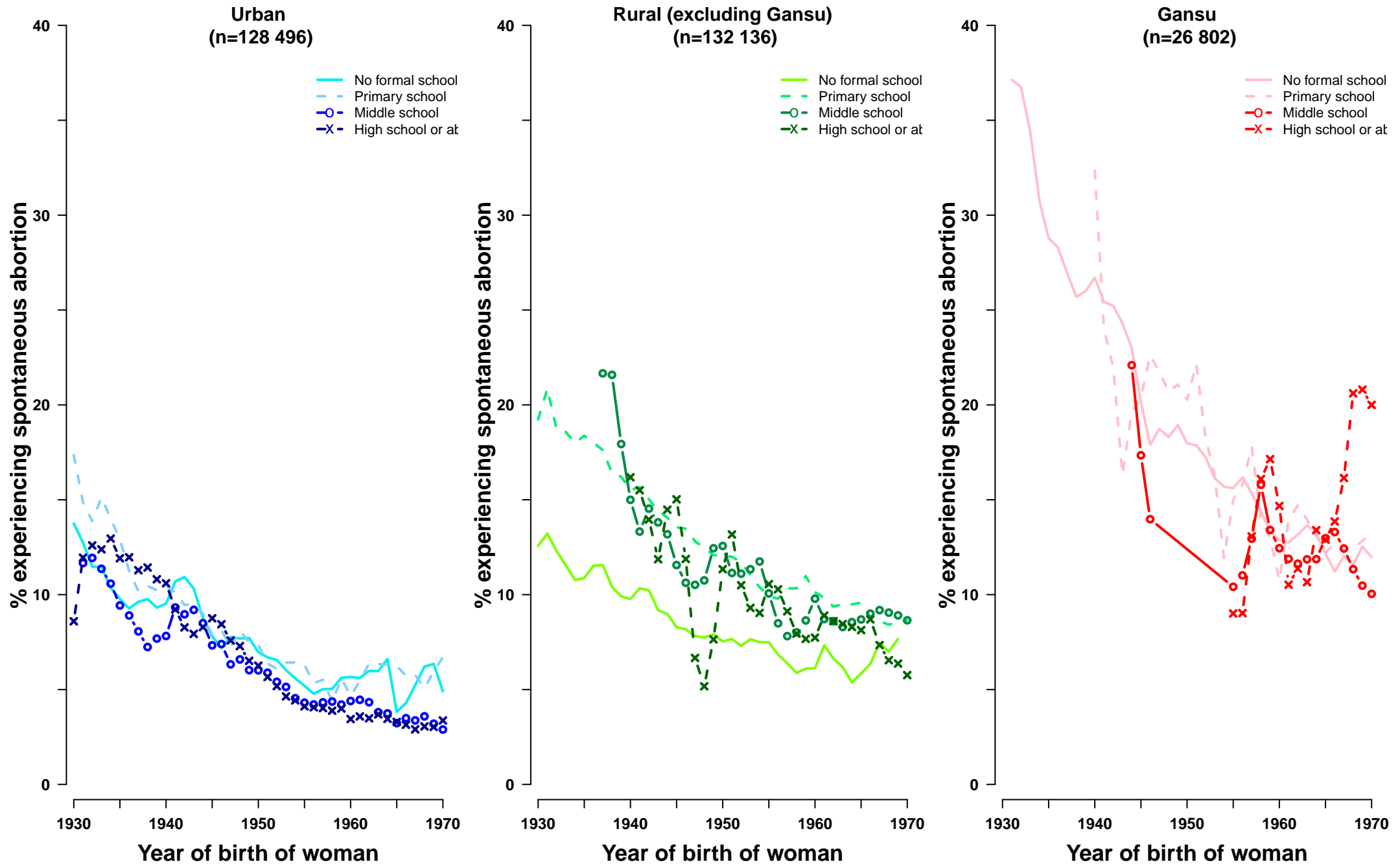




Supplementary Figure 7. Time trends in induced abortion in different regions, by education



Supplementary Figure 8. Time trends in spontaneous abortion in different regions, by education



**Supplementary table 1.** Demographic and reproductive characteristics, by area

Characteristics	Area									
	Urban (North → South)					Rural (Coastal → Inland)				
	Harbin	Qingdao	Suzhou	Liuzhou	Haikou	Zhejiang	Hunan	Henan	Sichuan	Gansu
Number of women	34164	19854	30783	30640	18732	33583	33220	35192	34101	30317
Birth cohort, mean (SD)	1953 (11.1)	1955 (10.3)	1954 (10.5)	1953 (10.1)	1954 (11.6)	1954 (9.6)	1955 (10.2)	1956 (10.0)	1955 (10.3)	1958 (10.5)
Age at interview (years), mean (SD)	52.6 (11.1)	51.0 (10.3)	51.3 (10.4)	53.2 (10.1)	52.0 (11.6)	51.7 (9.7)	50.4 (10.3)	49.8 (10.0)	50.2 (10.3)	47.7 (10.4)
Highest education, %	52	31	7	38	30	2	7	11	6	4
Age at menarche, mean (SD)	15.0 (1.8)	15.8 (2.0)	15.6 (1.9)	14.8 (2.0)	15.7 (2.1)	15.5 (1.7)	15.6 (1.9)	15.5 (2.0)	15.7 (2.1)	15.4 (1.9)
Number with at least one pregnancy	33456	19739	30610	30212	18439	33379	32999	34950	33860	30145
Number of live birth, mean (SD)	1.7 (1.1)	1.7 (1.0)	1.8 (1.1)	2.0 (1.3)	2.4 (1.3)	2.2 (1.1)	2.6 (1.2)	2.7 (1.3)	2.0 (1.4)	3.2 (1.5)
History of induced abortion, %	70	58	62	77	68	53	33	45	62	3
History of spontaneous abortion, %	5.8	3.9	5.8	7.4	8.1	5.2	15.5	11.5	8.4	16.0
No history of abortion, %	73	61	65	80	72	56	44	53	67	19
Number with at least one live birth	33085	19691	30564	29938	18335	33345	32848	34902	33806	30105
Age at first birth, mean (SD)	25.3 (3.3)	25.7 (2.4)	22.9 (2.6)	25.1 (3.5)	25.1 (3.6)	21.8 (2.7)	21.8 (2.6)	23.1 (2.4)	22.8 (2.6)	22.0 (2.6)
Average months of breast feeding, mean	13.1 (8.1)	11.7 (4.8)	13.5 (7.3)	11.0 (4.5)	10.7 (4.0)	11.8 (4.9)	12.4 (4.4)	21.5 (8.4)	15.9 (7.7)	20.8 (7.2)
Number of postmenopausal women	10972	5485	8558	9981	6194	10075	8799	8387	9144	6196
Age at menopause mean (SD)	49.2 (4.0)	49.7 (3.9)	48.7 (4.4)	49.0 (4.2)	48.9 (4.3)	49.1 (4.0)	48.4 (4.5)	48.4 (4.4)	48.2 (4.6)	47.9 (4.6)