

WEB TABLE I COMPARISON OF BIRTH AND DEMOGRAPHIC CHARACTERISTICS AMONG THOSE CENSORED AND THOSE WHO DIED

Variable	Stillbirth to under-five			P1			Only perinatal			P2			Only Post-perinatal			P3
	Censored Alive (N=5558)		Deaths (N=328)	Censored Alive (N=5791)		Deaths (N=95)	Censored Alive (N=5250)		Deaths (N=233)	Censored Alive (N=5250)		Deaths (N=233)	Censored Alive (N=5250)		Deaths (N=233)	
	N	Mean (SD)/%	N	Mean (SD)/%	N	Mean (SD)/%	N	Mean (SD)/%	N	Mean (SD)/%	N	Mean (SD)/%	N	Mean (SD)/%	N	
Child																
<i>Birth order</i>																
1	5369	19.0	314	20.4	0.242	5591	18.9	92	27.2	0.216	5077	18.7	222	17.6	0.068	
2		26.2		22.0			26.0		26.1			26.2		20.3		
3		21.8		20.4			21.7		19.6			21.7		20.7		
4+		33.0		37.3			33.4		27.2			33.4		41.4		
Gestation (wks)	4890	38.9 (2.7)	239	37.9 (3.4)	<0.001	5063	38.9 (2.7)	66	37.2 (4.0)	<0.001	4655	38.9 (2.7)	173	38.2 (3.2)	<0.001	
Birth weight (g)	4644	2806 (427)	208	2398 (619)	<0.001	4814	2795 (437)	38	1968 (661)	<0.001	4338	2810 (426)	170	2494 (568)	<0.001	
Birth length (cm)	4545	48.3 (2.2)	165	46.8 (3.1)	<0.001	4692	48.3 (2.2)	18	44.6 (4.2)	<0.001	4246	48.3 (2.2)	147	47.1 (2.9)	<0.001	
Low Birth weight (<2500 g)	4644	24.8	208	54.8	<0.001	4814	25.7	38	71.1	<0.001	4338	24.3	170	51.2	<0.001	
Predominantly breastfed at birth																0.012
Predominantly breastfed at 3 months																0.004
Mother																
Married	5555	100.0	326	100.0	1.000	5788	100.0	93	100.0	1.000	5247	100.0	233	100.0	1.000	
Age (years)	5558	25.8 (5.2)	328	26.1 (6.1)	0.326	5791	25.9 (5.3)	95	25.5 (5.8)	0.473	5250	25.9 (5.2)	233	26.4 (6.2)	0.160	
<i>Education (formal years)</i>																
Illiterate (0)	5548	35.2	327	52.0	<0.001	5781	36.1	94	38.3	0.043	5241	34.7	233	57.5	<0.001	
Primary (1-5)		15.9		15.3			15.7		22.3			15.9		12.4		
Middle (6-10)		15.8		17.1			15.8		20.2			16.0		15.9		
Matric (up to 10)		20.6		12.2			20.3		14.9			20.9		11.2		
College (10 to 14)		12.4		3.4			12.1		4.3			12.5		3.0		
<i>Place of delivery</i>																
Home	5177	38.4	298	50.7	<0.001	5389	38.9	86	44.2	0.319	4870	38.4	212	53.3	<0.001	
Healthcare service		61.6		49.3			61.1		55.8			61.6		46.7		
<i>Family Demography</i>																
Household income	5553	850.0 (2.1)	325	622.5 (1.9)	<0.001	5784	838 (2.1)	94	688 (1.9)	0.010	5245	850 (2.1)	231	598.0 (2.0)	<0.001	

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Web Table I continued

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Variable	Stillbirth to under-five		P1		Only perinatal		P2		Only Post-perinatal		P3
	Censored Alive (N= 5558)	Deaths (N=328)	Mean (SD)/%	N	Censored Alive (N= 5791)	Deaths (N=95)	Mean (SD)/%	N	Censored Alive (N= 5235)	Deaths (N=233)	
(per capita in Rs.)*											
Type of housing											
Thatched hut	5543	320	4.1		5771	92	1.8		5235	228	5.7
Masonry building			76.6				66.8		65.8		78.5
Block of flats			18.4				27.2		28.1		14.5
Bungalow			0.9				4.3		4.5		1.3
Owned house	5542	319	38.2		5769	92	40.8		5234	227	41.9
Crowding	5182	319	3.9 (2.0)		5408	93	3.6 (1.8)		4874	226	4.1 (2.1)
Sanitation											
Open field	5188	321	37.4		5416	93	23.0		4880	228	40.8
Scavenger cleaned			38.0				37.5		37.9		40.4
Pit			2.8				2.1		1.9		2.6
Flush			21.8				37.4		38.5		16.2
Water supply											
Unprotected	5547	320	25.6		5775	92	18.3		5239	228	29.4
Both (Unprotected & Protected)			15.9				9.4		8.8		17.5
Protected			58.4				72.3		73.8		53.1
Household wealth score (Standardized 'Z')	5173	317	-0.44 (0.95)		5398	92	0.002 (1.0)		4865	225	-0.58 (0.92)

* Geometric mean from log transformed values; P1 refers to P value for comparison between those censored (alive) and those with mortality from stillbirth until 5 years age. P2 refers to P value for comparison between those censored (alive) and those with perinatal deaths and P3 refers to P value for comparison between those censored (alive) and those with post-perinatal deaths

WEB TABLE II ASSOCIATION OF MATERNAL AGE AS A CONTINUOUS VARIABLE WITH THE AVAILABLE CONFOUNDERS AND MEDIATORS (ADJUSTED FOR SEX)

Variables	N	Maternal age (per decade)		Maternal age (per decade) (quadratic term)	
		Coefficient (95% CI)	P value	Coefficient (95% CI)	P value
Maternal education [#]	5875	2.96 (2.45; 3.48)	<0.001	-0.59 (-0.68; -0.50)	<0.001
Household income (₹)*	5878	0.36 (0.09; 0.62)	0.008	-0.12 (-0.16; -0.07)	<0.001
Wealth [§]	5490	1.58 (1.20; 1.95)	<0.001	-0.27 (-0.34; -0.21)	<0.001
Place of delivery (Healthcare services in comparison to home)	5475	7.95 (3.65; 17.31)	<0.001	0.67 (0.58; 0.77)	<0.001
Gestation (weeks)	5129	1.74 (0.67; 2.81)	0.001	-0.31 (-0.50; -0.12)	0.001
Birth weight (grams)	4852	736 (561; 912)	<0.001	-116 (-147; -85)	<0.001
Feeding at birth (only for post perinatal cases)	3637	0.77 (0.01; 49.78)	0.903	1.10 (0.54; 2.24)	0.795
Birth order	5683	4.51 (4.16; 4.86)	<0.001	-0.61 (-0.68; -0.55)	<0.001

[#]Maternal education categorized as 1- illiterate, 2- Primary, 3- Middle, 4- Matric and 5- College; * log transformed; [§]Household wealth was derived as 1st factor score generated from principal component analysis of type of housing, type of residence, sanitation, water supply and crowding (number of people/room).

WEB TABLE III ASSOCIATION BETWEEN MATERNAL AGE AS A CONTINUOUS VARIABLE AND MORTALITY

<i>Variables</i>	<i>Model 1 Hazard ratio (95% CI) (P value)</i>	<i>Model 2 Hazard ratio (95% CI) (P value)</i>	<i>Model 3 Hazard ratio (95% CI) (P value)</i>
<i>Mortality: All deaths</i>			
Number of deaths/total sample (deaths + censored)	328/5886	316/5478	156/4154
Maternal age (per decade)	0.10 (0.03; 0.35) (<0.001)	0.12 (0.03; 0.46) (0.002)	0.13 (0.02; 0.80) (0.028)
Maternal age (per decade) (quadratic term)	1.52 (1.22; 1.90) (<0.001)	1.42 (1.12; 1.79) (0.003)	1.45 (1.07; 1.97) (0.018)
Sex (female in comparison to male)	1.21 (0.97; 1.50) (0.090)	1.19 (0.95; 1.48) (0.130)	1.00 (0.73; 1.37) (0.986)
Maternal education [#]		0.90 (0.80; 1.01) (0.077)	0.88 (0.75; 1.05) (0.150)
Household income (₹)*		0.70 (0.56; 0.86) (0.001)	0.69 (0.51; 0.94) (0.019)
Wealth [§]		0.72 (0.63; 0.81) (<0.001)	0.74 (0.62; 0.88) (0.001)
Place of delivery (Healthcare services in comparison to home)			1.27 (0.90; 1.78) (0.174)
Gestation (weeks)			0.95 (0.90; 1.00) (0.062)
Birth weight (kg)			0.17 (0.11; 0.24) (<0.001)
<i>Mortality: Perinatal deaths</i>			
Number of deaths/total sample (deaths + censored)	95/5886	91/5478	29/4154
Maternal age (per decade)	0.10 (0.01; 1.23) (0.072)	0.10 (0.01; 1.39) (0.086)	0.21 (0.004; 10.59) (0.436)
Maternal age (per decade) (quadratic term)	1.46 (0.95; 2.26) (0.086)	1.43 (0.90; 2.72) (0.132)	1.35 (0.70; 2.58) (0.369)
Sex (female in comparison to male)	0.91 (0.61; 1.36) (0.643)	0.97 (0.65; 1.47) (0.901)	0.76 (0.36; 1.62) (0.476)
Maternal education [#]		0.94 (0.77; 1.15) (0.556)	0.99 (0.68; 1.44) (0.944)
Household income (₹)*		0.68 (0.46; 1.00) (0.050)	0.69 (0.34; 1.39) (0.296)
Wealth [§]		1.07 (0.84; 1.34) (0.596)	1.20 (0.79; 1.83) (0.391)
Place of delivery (Healthcare services in comparison to home)			2.81 (1.03; 7.68) (0.045)
Gestation (weeks)			0.99 (0.86; 1.13) (0.826)
Birth weight (kg)			0.06 (0.02; 0.14) (<0.001)
<i>Mortality: post-perinatal deaths</i>			
Number of deaths/total sample (deaths + censored)	233/5483	225/5080	127/3894
Maternal age (per decade)	0.10 (0.02; 0.45) (0.003)	0.13 (0.03; 0.62) (0.011)	0.16 (0.02; 1.30) (0.086)
Maternal age (per decade) (quadratic term)	1.53 (1.18; 1.98) (0.001)	1.41 (1.08; 1.84) (0.013)	1.38 (0.97; 1.96) (0.071)
Sex (female in comparison to male)	1.36 (1.05; 1.76) (0.021)	1.28 (0.99; 1.67) (0.062)	1.07 (0.75; 1.53) (0.703)
Maternal education [#]		0.88 (0.77; 1.02) (0.080)	0.86 (0.71; 1.04) (0.115)
Household income (₹)*		0.70 (0.54; 0.90) (0.006)	0.72 (0.51; 1.01) (0.059)
Wealth [§]		0.61 (0.53; 0.71) (<0.001)	0.66 (0.54; 0.80) (<0.001)
Place of delivery (Healthcare services in comparison to home)			1.08 (0.75; 1.57) (0.685)
Gestation (weeks)			0.95 (0.89; 1.01) (0.110)
Birth weight (kg)			0.23 (0.15; 0.35) (<0.001)

*log transformed; [#]Maternal education categorized as 1- illiterate, 2- Primary, 3- Middle, 4- Matric and 5- College; [§]Household wealth was derived as 1st factor score generated from principal component analysis of type of housing, type of residence, sanitation, water supply and crowding (number of people/room).

Model 1: adjusted for sex; Model 2: adjusted for sex, socio-economic confounders (maternal education, household income and wealth), Model 3: sex, socio-economic confounders and mediators (place of delivery, gestation and birth weight).

The sample sizes in models varied because of completeness of data for all variables.