

TABLES:

Table-1: Prevalence of anaemia among women (age 15-49 years) in EAG States, India, NFHS, 2019-20

State	Anaemia status by haemoglobin levels				Sample size
	Severe	Moderate	Mild	Any anaemia	
Bihar	2.1	31.7	29.7	63.5	59040
Chhattisgarh	2.6	31.2	27.1	60.8	16606
Jharkhand	1.9	34.0	29.4	65.3	17621
Madhya Pradesh	2.3	26.6	25.7	54.7	38569
Odisha	2.5	32.8	29.0	64.3	23340
Rajasthan	2.3	27.9	24.1	54.4	42774
Uttar Pradesh	2.1	24.0	24.3	50.4	111650
Uttarakhand	2.3	19.1	21.2	42.6	5471
EAG States	2.3	28.4	26.3	57.0	315069

Source: DHS datasets, NFHS-5 (2019-20)

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Table-2: Percentage distribution of women's (age 15-49 years) anaemia status by background characteristics among the EAG states of India

Background Characteristics	Anaemia status by haemoglobin level				Sample size
	Severe	Moderate	Mild	Not Anaemia	
Age group of women (in years)					
15-19	2.24	29.29	27.12	41.34	62042
20-24	2.19	28.46	26.63	42.72	57102
25-29	2.04	28.02	26.21	43.74	51362
30-34	2.12	27.14	25.8	44.94	41388
35-39	2.19	26.36	26	45.45	39049
40-44	2.49	26.93	24.73	45.84	31896
45-49	2.28	26.72	25.92	45.09	32229
Place of residence					
Urban	2.02	26.00	25.87	46.11	70573
Rural	2.26	28.30	26.30	43.13	244496
Women's educational level					
No education	2.41	28.99	26.10	42.50	93016
Primary	2.41	28.38	25.91	43.29	38104
Secondary	2.17	27.93	26.57	43.33	143846
Higher	1.67	23.93	25.40	49.00	40103
Wealth Index of the household					
Poorest	2.47	31.11	27.20	39.22	86007
Poorer	2.31	27.77	26.54	43.38	75174
Middle	2.14	27.47	25.98	44.41	59038
Richer	2.11	26.21	25.28	46.40	49731
Richest	1.71	23.65	25.06	49.57	45118
Current marital status					
Never in union	2.24	27.83	26.61	43.32	81930
Married	2.15	27.72	26.09	44.04	223575
Widowed	3.24	29.21	25.34	42.21	7399
Divorced	2.09	27.39	22.70	47.82	697
No longer living together	3.41	28.04	27.88	40.67	1468
Religion					
Hindu	2.25	27.98	26.23	43.54	275929
Muslim	1.85	25.52	25.53	47.11	34252
Christian	1.88	35.00	30.4	32.72	1766
Others	2.43	31.92	28.85	36.79	3122
Media Exposure (reading newspaper)					
Not at all	2.32	28.3	26.23	43.15	227099
Less than once a week	1.95	27.19	26.28	44.58	56893
At least once a week	1.82	25.16	25.88	47.14	31078
BMI status of women					
Obese	1.34	24.31	25.38	48.97	13076
Overweight	1.46	23.48	25.05	50.02	43000
Normal	2.12	27.46	26.52	43.90	192883
Underweight	3.11	32.23	26.21	38.46	66110
Caste category					
Scheduled caste	2.46	28.17	25.84	43.53	69709
Scheduled tribe	2.40	35.62	28.54	33.43	33007
OBC	2.05	26.56	26.00	45.39	156918
General	2.21	26.22	25.83	45.75	54033
Others (unknown)	2.32	29.42	28.67	39.59	1401
Total	2.27	28.62	26.97	44.78	315069

Source: DHS datasets, NFHS-V (2019-20)

Table 3: Multinomial logistic regression analysis on anaemia status among women's (15–49 years age) by background characteristics, EAG states of India

Background Characteristics	Anaemia status by haemoglobin level											
	Severe anaemia				Moderate anaemia				Mild anaemia			
	Relative risk (RR)	P value	[Confidence Interval]		Relative risk (RR)	P value	[Confidence Interval]		Relative risk (RR)	P value	[Confidence Interval]	
Age group of women (in years)												
15-19	Reference	-	-	-	Reference	-	-	-	Reference	-	-	-
20-24	1.100	0.051	0.999	1.211	0.930***	0.000	0.899	0.962	0.947**	0.002	0.915	0.981
25-29	1.033	0.581	0.920	1.160	0.867***	0.000	0.833	0.903	0.897***	0.000	0.862	0.935
30-34	1.043	0.503	0.922	1.179	0.797***	0.000	0.763	0.832	0.845***	0.000	0.809	0.883
35-39	1.070	0.289	0.944	1.213	0.762***	0.000	0.729	0.796	0.841***	0.000	0.804	0.879
40-44	1.189**	0.009	1.044	1.352	0.771***	0.000	0.736	0.808	0.795***	0.000	0.759	0.833
45-49	1.090	0.201	0.955	1.245	0.773***	0.000	0.738	0.810	0.849***	0.000	0.810	0.890
Place of residence												
Urban	Reference	-	-	-	Reference	-	-	-	Reference	-	-	-
Rural	0.913*	0.012	0.851	0.980	0.944***	0.000	0.920	0.967	0.954***	0.000	0.931	0.978
Women's educational level												
No education	Reference	-	-	-	Reference	-	-	-	Reference	-	-	-
Primary	1.020	0.637	0.940	1.107	0.973	0.080	0.944	1.003	0.988	0.431	0.958	1.019
Secondary	0.919*	0.025	0.854	0.989	0.918***	0.000	0.894	0.942	0.972*	0.035	0.946	0.998
Higher	0.715***	0.000	0.638	0.803	0.813***	0.000	0.782	0.845	0.915***	0.000	0.880	0.951
Wealth Index of the household												
Poorest	Reference	-	-	-	Reference	-	-	-	Reference	-	-	-
Poorer	0.942	0.088	0.880	1.009	0.926***	0.000	0.903	0.949	0.973*	0.033	0.948	0.998
Middle	0.918*	0.033	0.849	0.993	0.967*	0.017	0.940	0.994	0.979	0.145	0.951	1.007
Richer	0.941	0.187	0.860	1.030	0.941***	0.000	0.911	0.971	0.953**	0.003	0.922	0.984
Richest	0.809***	0.000	0.724	0.904	0.877***	0.000	0.844	0.911	0.939**	0.001	0.904	0.976
Current marital status												
Never in union	Reference	-	-	-	Reference	-	-	-	Reference	-	-	-
Married	0.981	0.680	0.894	1.076	1.153***	0.000	1.116	1.191	1.070***	0.000	1.036	1.106
Widowed	1.387***	0.000	1.174	1.640	1.278***	0.000	1.196	1.365	1.101**	0.005	1.029	1.179
Divorced	0.918	0.755	0.538	1.566	1.062	0.526	0.881	1.281	0.893	0.258	0.734	1.086
No longer living together	1.485*	0.011	1.093	2.017	1.142*	0.049	1.000	1.304	1.179*	0.014	1.034	1.344
Religion												
Hindu	Reference	-	-	-	Reference	-	-	-	Reference	-	-	-
Muslim	0.809***	0.000	0.741	0.885	0.891***	0.000	0.865	0.918	0.925***	0.000	0.898	0.953
Christian	0.785	0.203	0.541	1.139	0.976	0.690	0.866	1.100	1.028	0.661	0.908	1.163
Others	1.184	0.185	0.922	1.519	1.067	0.162	0.974	1.169	1.129*	0.010	1.029	1.238
Media Exposure (reading newspaper)												
Not at all	Reference	-	-	-	Reference	-	-	-	Reference	-	-	-
Less than once a week	0.927*	0.045	0.861	0.998	1.001	0.913	0.976	1.027	0.991	0.493	0.966	1.017
At least once a week	0.901*	0.043	0.815	0.997	0.950**	0.003	0.918	0.983	0.967*	0.049	0.935	1.000
BMI status of women												
Obese	Reference	-	-	-	Reference	-	-	-	Reference	-	-	-
Overweight	1.125	0.193	0.942	1.344	0.925**	0.002	0.880	0.973	0.945*	0.025	0.900	0.993
Normal	1.841***	0.000	1.563	2.169	1.138***	0.000	1.086	1.192	1.079**	0.001	1.030	1.129
Underweight	3.042***	0.000	2.568	3.603	1.440***	0.000	1.370	1.514	1.150***	0.000	1.095	1.209
Caste category												
Scheduled caste	Reference	-	-	-	Reference	-	-	-	Reference	-	-	-
Scheduled tribe	1.085	0.092	0.987	1.193	1.434***	0.000	1.386	1.485	1.312***	0.000	1.266	1.360
OBC	0.873***	0.000	0.820	0.929	0.938***	0.000	0.917	0.959	0.980	0.093	0.958	1.003
General	1.095*	0.030	1.009	1.188	1.036*	0.021	1.005	1.067	1.041*	0.010	1.010	1.072
Others (unknown)	0.990	0.955	0.690	1.420	1.054	0.436	0.924	1.201	1.138	0.055	0.997	1.298

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Table-3: Multinomial logistic regression analysis on anaemia status among women's (15–49 years age) by background characteristics, EAG states of India

Background Characteristics	Anaemia status by haemoglobin level											
	Severe anaemia				Moderate anaemia				Mild anaemia			
	Relative risk (RR)	P value	[95% Confidence Interval]		Relative risk (RR)	P value	[95% Confidence Interval]		Relative risk (RR)	P value	[95% Confidence Interval]	
EAG States												
Uttarakhand	Reference	-	-	-	Reference	-	-	-	Reference	-	-	-
Rajasthan	1.150***	0.159	0.947	1.396	1.704***	0.000	1.580	1.837	1.373***	0.000	1.276	1.477
Uttar Pradesh	1.041	0.671	0.864	1.256	1.432***	0.000	1.331	1.541	1.328***	0.000	1.238	1.425
Bihar	1.249*	0.024	1.029	1.515	2.400***	0.000	2.226	2.587	2.123***	0.000	1.975	2.282
Jharkhand	1.152	0.200	0.928	1.430	2.468***	0.000	2.276	2.677	2.060***	0.000	1.903	2.230
Odisha	1.528***	0.000	1.247	1.872	2.453***	0.000	2.267	2.655	2.061***	0.000	1.909	2.225
Chhattisgarh	1.437**	0.001	1.164	1.773	2.085***	0.000	1.922	2.263	1.726***	0.000	1.593	1.869
Madhya Pradesh	1.119	0.259	0.920	1.362	1.560***	0.000	1.446	1.684	1.436***	0.000	1.334	1.546

Source: DHS datasets (NFHS-V, 2019-20) *** $P < 0.001$, ** $P < 0.01$, * $P < 0.05$, reference is first category of each variable