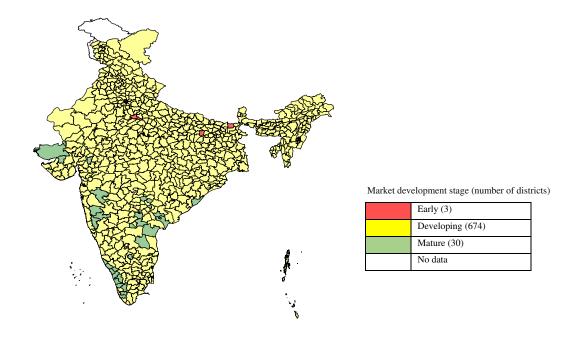
Supplementary appendix

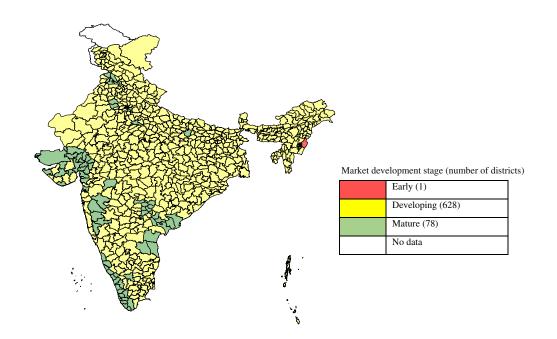
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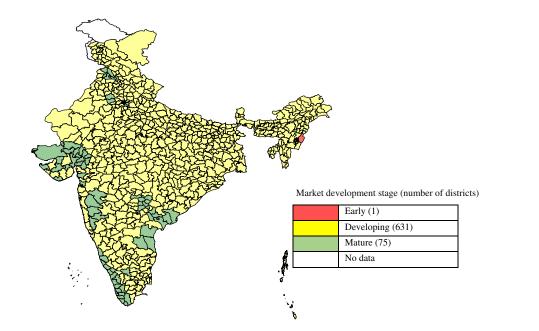
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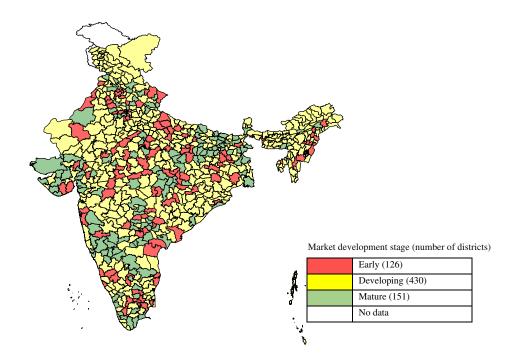
Supplementary Figure S1: Districts of India at different level of market development stage for four or more ANC, 2019-21



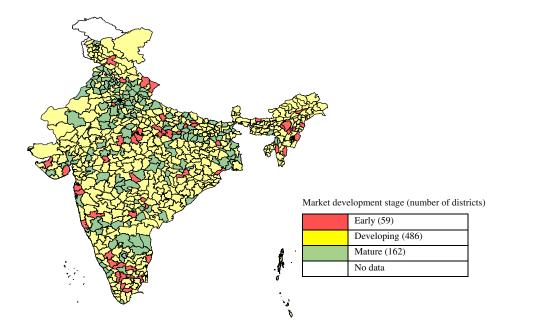
Supplementary Figure S2: Districts of India at different level of market development stage for institutional delivery, 2019-21



Supplementary Figure S3: Districts of India at different level of market development stage for PNC care among mothers, 2019-21



Supplementary Figure S4: Districts of India at different level of market development stage for care seeking of ARI among children, 2019-21



Supplementary Figure S5: Districts of India at different level of market development stage for care seeking for diarrhoea among children, 2019-21

Supplementary Table S1: Association of covariates with the outcome variables (NFHS 2019-21)

Covariates	Degrees of Freedom (df)	Chi-Square Statistic (χ^2)	P-Value
Care seeking for ANC			
Residence	2	4.0e+03	0.000
Age of women	4	319.92	0.000
Mother's education	4	7.2e+03	0.000
Wealth Index	8	1.3e+04	0.000
Institutional delivery			
Residence	2	7.2e+03	0.000
Age of women	4	1.0e+03	0.000
Mother's education	4	1.9e+04	0.000
Wealth Index	8	3.2e+04	0.000
Care seeking for PNC			
Residence	1	4.3e+03	0.000
Age of women	2	386.73	0.000
Mother's education	2	8.6e+03	0.000
Wealth Index	4	1.6e+04	0.000
Care seeking for ARI			
Residence	2	12.77	0.002
Age of women	4	11.95	0.018
Mother's education	4	34.81	0.000
Wealth Index	8	78.54	0.000
Care seeking for diarrhea			
Residence	2	22.02	0.000
Age of women	4	91.94	0.000
Mother's education	4	62.07	0.000
Wealth Index	8	97.66	0.000

Supplementary Table S2: Classification criteria of districts according to the stages of market development for MCH indicators

Stages of market development for MCH services	Early	Developing	Mature				
Four or more ANC visits (4ANC)	4ANC <45%	4ANC between 45-70% or >50% 4ANC availed from public facilities.	4ANC>70% with <50% 4ANC availed from public facilities				
Institutional delivery (POD)	POD <65%	POD between 65-85% or >50% POD from public facilities	POD>85% with <50% POD from public facilities				
PNC checkup for mother (PNC)	PNC <60%	PNC between 60-80% or >50% PNC availed from public facilities.	PNC>80% with <50% PNC availed from public facilities				
Treatment seeking for ARI (ARI)	ARI <40%	ARI between 40-70% or >50% treatment sought from public facilities.	ARI>70% with <50% treatment sought from public facilities				
Treatment seeking for diarrhea (DIR)	DIR<60%	DIR between 60-80% or >50% treatment sought from public facilities	DIR>80% with <50% treatment sought from public facilities				

		200)5-06			2015	5-16		2019-21			
Four or more ANC visits (%)	Public	Private	Others	Total	Public	Private	Others	Total	Public	Private	Others	Total
Residence												
Urban	32.1	58.4	9.5	62.4	40.8	42.5	16.8	66.4	46.8	31.7	21.4	68.6
Rural	41.1	42.2	16.7	27.7	54.2	24.7	21.1	44.8	61.2	15.9	22.9	54.5
Age of women												
15-19 years	39.5	41.6	19.0	30.0	54.3	22.5	23.2	54.1	58.1	12.8	29.1	60.1
20-29 years	36.9	49.6	13.5	40.1	49.6	30.4	20.0	53.0	57.3	19.5	23.2	58.5
30+ years	36.9	51.3	11.8	31.1	46.6	36.0	17.4	46.3	54.1	25.9	20.0	58.4
Mother's education (in years of schooling)												
Up to 5 years	49.6	34.8	15.7	20.4	61.0	19.3	19.7	33.7	69.4	10.4	20.2	44.9
6-10 years	36.8	49.6	13.6	56.2	53.0	27.0	20.1	59.5	60.4	16.4	23.2	61.4
11+ years	20.3	69.4	10.3	80.1	33.3	48.4	18.4	69.7	43.8	33.0	23.1	68.6
Wealth index												
Poorest	58.5	23.3	18.2	12.1	68.9	11.9	19.2	25.0	74.5	6.2	19.3	41.8
Poorer	52.0	31.1	17.0	21.1	63.0	16.5	20.5	44.4	66.8	11.2	21.9	53.5
Middle	46.1	38.3	15.6	36.6	54.9	24.6	20.6	57.2	60.0	16.6	23.4	62.6
Richer	37.8	48.8	13.4	53.0	44.3	35.6	20.1	65.8	50.5	25.2	24.4	67.5
Richest	21.0	69.1	9.9	77.3	28.0	55.0	17.0	73.0	36.0	41.6	22.4	71.8
Unweighted Number	6830	7706	2083	16619	50583	23206	15649	89438	65141	17474	18820	101435
Institutional delivery (%)												
Residence												
Urban	28.9	41.6	29.5	70.5	46.1	44.2	9.7	90.3	52.1	42.6	5.3	94.7
Rural	15.4	15.5	69.1	30.9	55.5	21.8	22.7	77.3	65.7	22.5	11.8	88.2
Age of women												
15-19 years	19.5	17.8	62.7	37.3	61.4	23.4	15.3	84.7	71.6	19.0	9.4	90.6
20-29 years	20.5	23.6	55.9	44.1	54.7	28.4	16.9	83.1	64.0	26.9	9.1	90.9
30+ years	15.1	20.9	64.0	36.0	46.5	29.4	24.1	75.9	55.8	32.2	12.0	88.0
Mother's education (in years of schooling)												
Up to 5 years	13.5	10.5	76.0	24.0	53.2	14.3	32.6	67.4	66.1	13.9	20.0	80.0
6-10 years	30.0	31.9	38.1	61.9	59.1	28.7	12.1	87.9	68.1	24.3	7.6	92.4
11+ years	22.4	64.5	13.1	86.9	41.5	53.8	4.7	95.3	50.2	47.1	2.7	97.3
Wealth index												
Poorest	8.7	4.5	86.8	13.2	52.9	8.2	38.9	61.1	68.9	8.9	22.2	77.8
Poorer	15.0	9.3	75.7	24.3	61.9	15.0	23.1	76.9	71.9	16.8	11.4	88.7
Middle	23.6	17.6	58.9	41.1	60.2	26.5	13.3	86.7	67.3	26.0	6.7	93.3
Richer	28.5	31.7	39.8	60.2	50.6	41.2	8.2	91.8	57.3	38.6	4.2	95.8
Richest	23.4	62.1	14.4	85.6	34.0	62.1	3.9	96.1	39.5	58.4	2.2	97.8
Unweighted Number	9122	8622	19086	36830	105615	42570	42612	190797	114952	40280	21611	176843
PNC checkup for mother (%)												
Residence												
Urban	38.4	61.6	0.0	59.5	48.1	50.1	1.9	74.7	53.9	46.1	0.0	84.9
Rural	47.5	52.5	0.0	23.5	66.0	29.8	4.2	61.0	73.1	26.9	0.0	74.9
Age of women		02.0	0.0	-0.0	00.0			01.0	,	20.7	0.0	

Supplementary Table S3 (a): Trends in utilization of maternal healthcare services by public, private, and other health facilities across selected background characteristics in India, 2005-2021

15-19 years	48.7	51.3	0.0	26.5	67.9	29.8	2.3	64.8	77.5	22.5	0.0	71.8
5												
20-29 years	43.9	56.1	0.0	35.5	61.1	35.6	3.3	66.7	69.0	31.0	0.0	78.3
30+ years	39.2	60.8	0.0	29.2	55.6	40.5	3.9	61.0	61.9	38.1	0.0	77.0
Mother's education (in years of schooling)												
Up to 5 years	55.1	44.9	0.0	17.2	71.8	21.8	6.5	51.4	81.6	18.4	0.0	65.3
6-10 years	45.9	54.1	0.0	50.3	63.3	34.1	2.6	71.0	72.6	27.4	0.0	80.0
11+ years	24.5	75.5	0.0	77.9	41.4	57.6	1.0	80.4	50.6	49.4	0.0	87.3
Wealth index												
Poorest	66.7	33.4	0.0	8.6	78.4	13.9	7.7	44.7	87.9	12.1	0.0	60.9
Poorer	60.0	40.0	0.0	17.6	75.1	20.2	4.8	58.9	80.1	19.9	0.0	73.7
Middle	56.2	43.8	0.0	31.3	65.7	31.5	2.9	70.4	71.6	28.4	0.0	81.9
Richer	45.3	54.8	0.0	48.5	52.6	45.5	1.9	76.9	59.6	40.4	0.0	86.3
Richest	25.8	74.2	0.0	75.2	33.7	65.3	1.0	81.7	39.8	60.2	0.0	90.5
Unweighted Number	7232	7499	0	14731	78741	35669	4079	118489	98077	36625	0	134702

Supplementary Table S3 (b): Trends in utilization of child healthcare services by public, private, and other health facilities across selected background characteristics in India, 2005-2021

		200	5-06			201	5-16			201	9-21	
	Public	Private	Others	Total	Public	Private	Others	Total	Public	Private	Others	Total
Care seeking for ARI among children (%)												
Residence												
Urban	12.5	79.6	7.9	81.6	24.5	73.4	2.1	91.2	27.7	71.4	0.9	55.8
Rural	13.1	73.3	13.6	73.7	21.3	72.2	6.5	84.4	27.8	67.8	4.4	56.7
Age of women												
15-19 years	7.3	78.3	14.3	77.4	23.6	71.0	5.4	80.4	29.0	71.0	0.0	63.0
20-29 years	13.9	74.5	11.6	74.9	22.1	72.6	5.4	87.0	27.2	69.2	3.6	56.6
30+ years	12.6	74.2	13.2	76.6	22.1	72.5	5.4	84.1	29.3	66.4	4.3	55.2
Mother's education (years of schooling)												
Up to 5 years	12.8	74.6	12.6	74.1	19.4	72.9	7.7	83.5	26.3	68.9	4.8	57.0
6-10 years	15.7	71.3	13.1	77.7	26.2	69.7	4.2	87.6	32.0	64.5	3.5	57.1
11+ years	5.1	89.0	5.9	80.9	20.4	77.0	2.7	89.1	23.8	74.0	2.1	55.0
Wealth index												
Poorest	11.1	74.6	14.3	66.8	18.6	72.7	8.7	80.1	26.8	65.0	8.2	58.2
Poorer	11.2	74.4	14.4	75.1	25.0	67.3	7.7	85.0	30.4	68.2	1.4	57.4
Middle	20.0	68.7	11.3	77.0	25.8	69.3	4.9	88.2	32.3	65.2	2.5	55.2
Richer	10.9	78.4	10.8	82.9	23.3	75.2	1.5	89.9	26.4	73.0	0.6	57.7
Richest	10.8	82.0	7.2	83.2	17.0	82.0	1.0	92.8	20.2	76.6	3.2	51.9
Unweighted number	350	1334	216	1900	1701	3896	278	5875	1226	1994	93	3313
Care seeking diarrhea among children (%)												
Residence												
Urban	15.3	69.9	14.8	73.8	22.2	74.4	3.4	80.3	28.7	69.1	2.2	78.1
Rural	18.8	65.1	16.1	67.5	23.6	68.1	8.4	76.5	30.9	65.9	3.2	75.8
Age of women												
15-19 years	20.6	68.6	10.8	63.9	22.0	72.3	5.7	70.5	26.4	68.6	4.9	77.1
20-29 years	17.6	67.8	14.6	70.0	23.4	69.7	6.9	78.3	29.2	68.2	2.7	76.7
30+ years	17.6	60.8	21.6	68.6	22.6	69.6	7.8	75.9	35.7	60.8	3.5	75.1
Mother's education (years of schooling)												
Up to 5 years	18.5	63.7	17.8	66.3	21.5	68.4	10.1	75.8	30.9	65.0	4.1	75.7
6-10 years	19.7	67.2	13.1	72.4	27.8	67.3	4.9	77.8	31.8	65.7	2.5	76.2
11+ years	8.9	79.4	11.8	77.6	18.9	77.0	4.2	80.7	27.5	70.4	2.2	77.7
Wealth index												
Poorest	23.7	59.1	17.2	60.0	21.6	67.0	11.4	72.7	31.3	64.0	4.7	75.4
Poorer	18.3	62.6	19.2	66.9	26.5	65.1	8.4	76.4	31.0	65.7	3.3	73.7
Middle	18.6	65.5	16.0	70.2	26.3	67.9	5.8	78.9	33.0	65.1	1.8	75.9
Richer	16.2	69.2	14.6	73.8	23.3	72.6	4.1	80.4	28.8	69.8	1.4	80.1
Richest	10.8	78.9	10.3	80.6	16.3	81.4	2.4	83.4	24.9	73.1	2.1	80.0
Unweighted number	670	1854	455	2979	4815	11075	1158	17048	4337	6822	329	11488

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Rural 63.7 27.5 8.7 66.2 21.1 12.7 70.7 Age of women	14.6 15.3 17.4 20.3	14.8 17.4 16.1
Age of women 15.9 years59.630.2 10.2 61.5 23.9 14.7 67.3 15.9 years 57.3 33.8 8.9 59.8 26.6 13.6 66.5 $30+$ years 60.0 32.6 7.4 59.5 28.0 12.5 66.6 Mothe's education 12.5 66.6 7.4 59.5 28.0 12.5 66.6 (in years of schooling) 11.5 76.8 7.7 68.6 19.9 11.5 76.8 61.0 years 60.9 25.4 7.7 68.6 19.9 11.5 76.8 61.0 years 28.6 61.2 10.3 40.6 44.8 14.5 54.2 Wealth index 74.2 19.1 6.7 77.1 13.7 9.2 81.7 Poorer 66.4 25.6 8.0 72.1 16.8 11.1 74.2 Poorer 66.4 25.6 8.0 72.1 16.8 11.1 74.2 Poorer 66.4 25.6 8.0 72.1 16.8 11.1 74.2 Richer 50.3 40.0 9.8 54.3 30.7 15.0 59.5 Richer 59.9 61.1 10.0 37.3 48.5 14.2 45.6 Institutional divery 8.1 33.2 87.0 35.6 20.4 24.0 66.2 Revidence 8.1 33.1 69.6 55.6 20.4 24.0 66.2 Porest <td>15.3 17.4 20.3</td> <td>17.4 16.1</td>	15.3 17.4 20.3	17.4 16.1
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Up to 5 years 66.9 25.4 7.7 68.6 19.9 11.5 76.8 $6-10$ years 50.9 39.0 10.2 58.8 27.3 13.9 68.6 $6-10$ years 28.6 61.2 10.3 40.6 44.8 14.5 54.2 Wealth index 11.4 28.6 61.2 10.3 40.6 44.8 14.5 54.2 Wealth index 11.4 28.6 61.2 10.3 40.6 44.8 14.5 54.2 Poorer 66.4 25.6 8.0 72.1 16.8 11.1 74.2 Middle 60.6 29.9 9.5 63.8 22.0 14.2 67.3 Richer 50.3 40.0 9.8 54.3 30.7 15.0 59.5 Richest 29.9 60.1 10.0 37.3 48.5 14.2 45.6 Institutional delivery $Residence$ V V V 66.2 Institutional delivery $Residence$ V V 66.2 Age of women 17.3 13.1 69.6 55.6 20.4 24.0 66.2 Age of women V V V V V V V V $20-29$ years 20.5 56.7 55.8 26.4 17.8 65.7 $20-29$ years 22.9 20.5 56.7 55.8 26.4 17.8 65.7 $20-29$ years 18.1 18.2 63.7 50.2		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		11.9
11 + years28.6 61.2 10.3 40.6 44.8 14.5 54.2 Wealth indexVenetation indexPoorest 74.2 19.1 6.7 77.1 13.7 9.2 81.7 Poorer 66.4 25.6 8.0 72.1 16.8 11.1 74.2 Middle 60.6 29.9 9.5 63.8 22.0 14.2 67.3 Richer 50.3 40.0 9.8 54.3 30.7 15.0 59.5 Richest 29.9 60.1 10.0 37.3 48.5 14.2 45.6 Institutional deliveryResidence 29.9 60.1 10.0 37.3 48.5 14.2 45.6 Institutional deliveryResidence 29.9 60.1 10.0 37.3 48.5 14.2 45.6 Output 32.5 37.0 30.5 46.0 43.4 10.7 54.8 Rural 17.3 13.1 69.6 55.6 20.4 24.0 66.2 Age of women 15.19 $years$ 20.5 16.1 63.4 53.0 18.8 28.2 64.9 20.29 $years$ 12.9 20.5 56.7 55.8 26.4 17.8 65.7 $30+$ years 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Mother's education 14.6 8.8 76.6 52.9 17.5 29.6 65.3 $6-10$ years		15.9
Wealth indexPoorest 74.2 19.1 6.7 77.1 13.7 9.2 81.7 Poorer 66.4 25.6 8.0 72.1 16.8 11.1 74.2 Poorer 60.6 29.9 9.5 63.8 22.0 14.2 67.3 Richer 50.3 40.0 9.8 54.3 30.7 15.0 59.5 Richest 29.9 60.1 10.0 37.3 48.5 14.2 45.6 Total 58.1 33.2 8.6 59.7 27.4 12.9 66.6 Institutional deliveryResidenceUrban 32.5 37.0 30.5 46.0 43.4 10.7 54.8 Age of womenIs 19 years 20.5 16.1 63.4 53.0 18.8 28.2 64.9 $20-29$ years 20.5 56.7 55.8 26.4 17.8 65.7 $30+$ years 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Up to 5 years 14.6 8.8 76.6 52.9 17.5 29.6 65.3 $0-10$ years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 $11+$ years 28.5 58.6 12.9 42.2 51.7 6.1 52.2	28.0	17.8
Poorest 74.2 19.1 6.7 77.1 13.7 9.2 81.7 Poorer 66.4 25.6 8.0 72.1 16.8 11.1 74.2 Middle 60.6 29.9 9.5 63.8 22.0 14.2 67.3 Richer 50.3 40.0 9.8 54.3 30.7 15.0 59.5 Richerst 29.9 60.1 10.0 37.3 48.5 14.2 45.6 Total 58.1 33.2 8.6 59.7 27.4 12.9 66.6 Institutional deliveryResidenceUrban 32.5 37.0 30.5 46.0 43.4 10.7 54.8 ResidenceUrban 32.5 37.0 30.5 46.0 43.4 10.7 54.8 Rural 17.3 13.1 69.6 55.6 20.4 24.0 66.2 Age of women 52.9 20.5 16.1 63.4 53.0 18.8 28.2 64.9 $20-29$ years 20.5 56.7 55.8 26.4 17.8 65.7 $30+$ years 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Mother's educationUp to 5 years 14.6 8.8 76.6 52.9 17.5 29.6 65.3 $6-10$ years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 <td>28.0</td> <td>17.0</td>	28.0	17.0
Poorer 66.4 25.6 8.0 72.1 16.8 11.1 74.2 Middle 60.6 29.9 9.5 63.8 22.0 14.2 67.3 Richer 50.3 40.0 9.8 54.3 30.7 15.0 59.5 Richest 29.9 60.1 10.0 37.3 48.5 14.2 45.6 Total 58.1 33.2 8.6 59.7 27.4 12.9 66.6 Institutional deliveryResidenceUrban 32.5 37.0 30.5 46.0 43.4 10.7 54.8 Rural 17.3 13.1 69.6 55.6 20.4 24.0 66.2 Age of women 15-19 years 20.5 16.1 63.4 53.0 18.8 28.2 64.9 $20-29$ years 20.5 56.7 55.8 26.4 17.8 65.7 $30+$ years 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Mother's education(in years of schooling) 14.6 8.8 76.6 52.9 17.5 29.6 65.3 $0-10$ years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 $11+$ years 28.5 58.6 12.9 42.2 51.7 6.1 52.2	8.7	9.7
Middle 60.6 29.9 9.5 63.8 22.0 14.2 67.3 Richer 50.3 40.0 9.8 54.3 30.7 15.0 59.5 Richest 29.9 60.1 10.0 37.3 48.5 14.2 45.6 Total 58.1 33.2 8.6 59.7 27.4 12.9 66.6 Institutional deliveryResidenceUrban 32.5 37.0 30.5 46.0 43.4 10.7 54.8 Rural 17.3 13.1 69.6 55.6 20.4 24.0 66.2 Age of women15-19 years 20.5 16.1 63.4 53.0 18.8 28.2 64.9 20.29 years 20.5 56.7 55.8 26.4 17.8 65.7 30.4 years 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Mother's education(in years of schooling)Up to 5 years 14.6 8.8 76.6 52.9 17.5 29.6 65.3 61.0 years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 $11 +$ years 28.5 58.6 12.9 42.2 51.7 6.1 52.2		
Richer 50.3 40.0 9.8 54.3 30.7 15.0 59.5 Richest 29.9 60.1 10.0 37.3 48.5 14.2 45.6 Total 58.1 33.2 8.6 59.7 27.4 12.9 66.6 Institutional deliveryResidenceUrban 32.5 37.0 30.5 46.0 43.4 10.7 54.8 Rural 17.3 13.1 69.6 55.6 20.4 24.0 66.2 Age of women15-19 years 20.5 16.1 63.4 53.0 18.8 28.2 64.9 O2-29 years 20.5 16.1 63.4 53.0 18.8 28.2 64.9 O2-29 years 20.5 16.1 63.4 53.0 18.8 28.2 64.9 O2-29 years 20.5 56.7 55.8 26.4 17.8 65.7 $30+years$ 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Mother's education(in years of schooling)Up to 5 years 14.6 8.8 76.6 52.9 17.5 29.6 65.3 61.0 years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 $11+years$ 28.5 58.6 12.9 42.2 51.7 6.1	11.9	13.9
Richest 29.9 60.1 10.0 37.3 48.5 14.2 45.6 Total 33.2 8.6 59.7 27.4 12.9 66.6 Institutional delivery Residence Keidence	15.9	16.9
Total 58.1 33.2 8.6 59.7 27.4 12.9 66.6 Institutional delivery Residence Residence 66.6 Urban 32.5 37.0 30.5 46.0 43.4 10.7 54.8 Rural 17.3 13.1 69.6 55.6 20.4 24.0 66.2 Age of women	22.3	18.2
Institutional delivery ResidenceUrban 32.5 37.0 30.5 46.0 43.4 10.7 54.8 Rural 17.3 13.1 69.6 55.6 20.4 24.0 66.2 Age of women 51.9 92.9 20.5 16.1 63.4 53.0 18.8 28.2 64.9 $20-29$ years 22.9 20.5 56.7 55.8 26.4 17.8 65.7 $30+$ years 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Mother's education(in years of schooling) 14.6 8.8 76.6 52.9 17.5 29.6 65.3 $6-10$ years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 $11+$ years 28.5 58.6 12.9 42.2 51.7 6.1 52.2	35.6	18.8
ResidenceUrban32.537.030.546.043.410.754.8Rural17.313.169.655.620.424.066.2Age of women	18.2	15.2
Urban 32.5 37.0 30.5 46.0 43.4 10.7 54.8 Rural 17.3 13.1 69.6 55.6 20.4 24.0 66.2 Age of women		
Rural 17.3 13.1 69.6 55.6 20.4 24.0 66.2 Age of women		
Age of women 15-19 years 20.5 16.1 63.4 53.0 18.8 28.2 64.9 20-29 years 22.9 20.5 56.7 55.8 26.4 17.8 65.7 30+ years 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Mother's education (in years of schooling) Up to 5 years 14.6 8.8 76.6 52.9 17.5 29.6 65.3 6-10 years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 11+ years 28.5 58.6 12.9 42.2 51.7 6.1 52.2	39.7	5.5
15-19 years 20.5 16.1 63.4 53.0 18.8 28.2 64.9 20-29 years 22.9 20.5 56.7 55.8 26.4 17.8 65.7 30+ years 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Mother's education Up to 5 years 14.6 8.8 76.6 52.9 17.5 29.6 65.3 5-10 years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 11+ years 28.5 58.6 12.9 42.2 51.7 6.1 52.2	19.9	13.8
20-29 years 22.9 20.5 56.7 55.8 26.4 17.8 65.7 30+ years 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Mother's education (in years of schooling) 57.4 57.4 29.9 19.9 61.1 Up to 5 years 14.6 8.8 76.6 52.9 17.5 29.6 65.3 6-10 years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 11+ years 28.5 58.6 12.9 42.2 51.7 6.1 52.2		
30+ years 18.1 18.2 63.7 50.2 29.9 19.9 61.1 Mother's education (in years of schooling)	14.3	20.8
Mother's education (in years of schooling) 14.6 8.8 76.6 52.9 17.5 29.6 65.3 6-10 years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 11 + years 28.5 58.6 12.9 42.2 51.7 6.1 52.2	24.1	10.2
Mother's education (in years of schooling) 14.6 8.8 76.6 52.9 17.5 29.6 65.3 6-10 years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 11 + years 28.5 58.6 12.9 42.2 51.7 6.1 52.2	27.5	11.4
(in years of schooling)Up to 5 years14.68.876.652.917.529.665.36-10 years33.827.139.157.429.113.566.811 + years28.558.612.942.251.76.152.2		
Up to 5 years 14.6 8.8 76.6 52.9 17.5 29.6 65.3 6-10 years 33.8 27.1 39.1 57.4 29.1 13.5 66.8 11+ years 28.5 58.6 12.9 42.2 51.7 6.1 52.2		
6-10 years33.827.139.157.429.113.566.811+ years28.558.612.942.251.76.152.2	16.2	18.4
11+ years 28.5 58.6 12.9 42.2 51.7 6.1 52.2	25.2	8.0
	44.5	3.3
	11.5	0.0
Poorest 8.8 4.0 87.3 51.1 7.5 41.4 65.4	7.4	27.2
Poorer 15.4 7.9 76.7 60.3 11.8 27.9 71.6	14.1	14.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	22.1	8.4
		8.4 5.3
	33.1	
Richest 28.7 56.5 14.8 38.2 56.1 5.7 45.5	51.9	2.6
Total 59.0 21.4 19.6 52.3 28.3 19.4 64.1	25.3	10.5
PNC checkup for mother		
Residence		0.0
Urban 49.6 50.4 0.0 51.4 46.2 2.4 58.6	41.4	

Supplementary Table S4 (a): Adjusted percentage* (obtained after the multinomial logit regression analysis) of maternal healthcare services utilization by public, private and other health facilities across selected socioeconomic characteristics in India, 2019-21

	(2.1	27.6	0.0	72.1	22.5		70.0	22.0	0.0
Rural	62.4	37.6	0.0	72.1	23.5	4.4	78.0	22.0	0.0
Age of women									
15-19 years	59.1	40.9	0.0	71.7	25.5	2.9	65.2	25.9	0.0
20-29 years	58.7	41.3	0.0	66.8	29.7	3.5	64.7	29.0	0.0
30+ years	59.5	40.5	0.0	62.5	32.9	4.6	64.5	28.9	0.0
Mother's education									
(in years of schooling)									
Up to 5 years	64.7	35.3	0.0	74.8	18.9	6.4	84.2	15.8	0.0
6-10 years	56.9	43.1	0.0	69.0	28.3	2.6	76.7	23.3	0.0
11+ years	32.9	67.1	0.0	46.1	52.5	1.3	56.3	43.7	0.0
Wealth index									
Poorest	70.1	29.9	0.0	80.1	12.5	7.4	89.6	10.4	0.0
Poorer	64.9	35.1	0.0	78.8	16.4	4.8	83.0	17.0	0.0
Middle	64.5	35.5	0.0	69.7	27.4	2.9	75.3	24.7	0.0
Richer	54.8	45.2	0.0	57.0	41.0	2.0	63.7	36.3	0.0
Richest	32.8	67.2	0.0	38.0	60.8	1.2	45.4	54.6	0.0
Total	58.9	41.0	0.0	63.0	33.0	3.9	72.6	27.4	0.0

*Adjusted for caste, religion, parity, and household decision making by women

		2005-06			2015-16			2019-21	
	Public	Private	Others	Public	Private	Others	Public	Private	Others
Care seeking for ARI									
Residence									
Urban	16.4	81.4	2.2	26.4	73.3	0.4	27.8	72.1	0.1
Rural	24.1	71.9	4.0	28.6	70.7	0.6	32.8	67.0	0.2
Age of women									
15-19 years	21.8	73.4	4.8	28.6	69.9	1.5	26.9	73.1	0.0
20-29 years	22.5	74.4	3.1	28.0	71.4	0.6	30.3	69.5	0.2
30+ years	21.2	74.4	4.4	27.8	71.8	0.4	35.1	64.7	0.3
Mother's education									
(in years of schooling)									
Up to 5 years	22.0	73.9	4.1	27.3	71.9	0.7	32.9	66.7	0.4
6-10 years	24.9	72.2	2.9	31.0	68.6	0.4	35.3	64.6	0.2
11+ years	15.7	82.8	1.6	24.2	75.4	0.4	25.3	74.7	0.0
Wealth index									
Poorest	20.8	74.8	4.5	29.8	69.3	0.9	35.5	64.0	0.5
Poorer	25.8	69.1	5.1	31.8	67.2	1.1	34.2	65.8	0.0
Middle	27.8	68.7	3.5	29.4	70.6	0.1	36.0	63.6	0.3
Richer	19.6	78.1	2.3	27.7	72.1	0.2	26.7	73.3	0.0
Richest	14.3	84.5	1.2	18.8	80.9	0.3	21.7	78.3	0.0
Total	22.1	74.3	3.6	27.9	71.5	0.0	31.5	68.3	0.0
Care seeking for diarrhoea									
Residence									
Urban	16.1	69.8	14.2	22.8	73.7	3.5	31.2	66.2	2.6
Rural	24.1	59.7	16.3	27.2	65.4	7.4	35.6	61.6	2.8
Age of women									
15-19 years	25.4	62.8	11.8	20.4	75.3	4.3	33.9	61.8	4.3
20-29 years	21.9	63.7	14.4	25.9	67.7	6.4	33.2	64.4	2.4
30+ years	21.3	58.0	20.7	26.5	67.5	6.0	37.6	58.8	3.6
Mother's education									
(in years of schooling)									
Up to 5 years	21.9	60.3	17.8	26.5	64.3	9.2	36.9	59.3	3.8
6-10 years	25.7	62.0	12.3	28.0	67.0	5.0	38.1	59.6	2.3
11+ years	12.8	75.6	11.6	21.3	76.1	2.6	27.1	70.9	2.0
Wealth index									
Poorest	24.5	57.7	17.8	26.1	62.9	11.0	36.1	59.4	4.6
Poorer	23.9	58.3	17.8	31.1	61.9	7.0	38.8	58.5	2.7
Middle	25.8	57.7	16.5	28.4	66.6	4.9	38.3	60.2	1.5
Richer	18.7	67.3	14.1	23.4	73.2	3.5	31.6	66.7	1.7
Richest	13.7	76.2	10.1	18.2	78.8	3.1	24.4	72.9	2.7
Total	22.0	62.3	15.7	25.9	67.9	6.2	34.4	62.8	2.7

Supplementary Table S4 (b): Adjusted percentage* (obtained after the multinomial logit regression analysis) of child healthcare services utilization by public, private and other health facilities across selected socioeconomic characteristics in India, 2019-21

*Adjusted for caste, religion, parity, and household decision making by women

Supplementary Table S5: Districts by stages of private sector market development for MCH services in India, 2019-21

	Four or more ANC visits		Institutional delivery		PNC checkup f	or mother	Care seeking f	or ARI	Care seeking for diarrhoea	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Stages of market										
development										
Early	3	0.4	1	0.1	1	0.1	126	17.8	59	8.3
Developing	674	95.3	628	88.8	631	89.3	430	60.8	486	68.7
Mature	30	4.2	78	11	75	10.6	151	21.4	162	22.9