

Supplementary Data

Table S1. Characteristics of enrolled children, their caregivers, and the household (N = 263)

	n	(%)
Child Age (Months)		
Minimum	1	
Mean	13	
Median	7	
Maximum	58	
Child Gender		
Male	152	57.8%
Female	111	42.2%
Child Order		
First-born	119	45.2%
Second-born	87	33.1%
Third-born	36	13.7%
Fourth-born or younger	21	8.0%
Caregiver Age (Years)		
Minimum	18	
Mean	27	
Median	25	
Maximum	63	
Caregiver Gender¹		
Male	56	21.4%
Female	206	78.6%
Relationship to Child²		
Mother	192	73.3%
Father	50	19.1%
Aunt / Uncle	11	4.2%
Grandparent	9	3.4%
Can caregiver read and write		
Yes	203	77.2%
No	60	22.8%
Caregiver level of education³		
No formal education / did not complete primary	58	22.1%
Primary / middle school	35	13.4%
High School	84	32.1%
College and postgraduate	85	32.4%
Household Religion		
Hindu	205	77.9%
Muslim	46	17.5%

Sikh	12	4.6%
Primary Residence		
Urban	86	32.7%
Rural	160	60.8%
Suburban	17	6.5%
Household Total		
Minimum	3	
Mean	8	
Median	7	
Maximum	26	
Child been in contact with another health center before today⁴		
Yes	138	53.7%
No	119	46.3%
When was child admitted to the other health center⁵ (denominator includes those with prior health center contact - 138)		
Within last month	66	47.8%
1 – 6 months	45	32.6%
Over 6 months	27	19.6%
Makes the primary decisions on vaccination in the household⁶		
Mother	142	55.3%
Father	19	7.4%
Consensus of father and mother	72	28.0%
Grandparent or other relative	24	9.3%
Distance of this hospital (PGIMER or SMS) from residence⁷		
0-5 km	24	9.3%
6-10 km	20	7.8%
11-50 km	26	10.1%
>50 km	188	72.9%
Distance of any health facility from residence⁸		
0-5 km	177	68.9%
6-10 km	60	23.3%
11-50 km	18	7.0%
>50 km	2	0.8%
Child has a vaccination card		
Yes, present at hospital	154	58.6%
Yes, absent at hospital	89	33.8%
No	20	7.6%
Source of Immunization History		
Immunization card	157	59.7%
Parental recall	106	40.3%
Immunization Status		
Fully Vaccinated	91	34.6%
Partially Vaccinated	158	60.1%

Unvaccinated	14	5.3%
¹ 1 respondent missing		
² 1 respondent missing		
³ 1 respondent missing		
⁴ 6 respondents missing		
⁵ Denominator is 138 children in contact with another health facility before today		
⁶ 6 respondents missing		
⁷ 5 respondents missing		
⁸ 6 respondents missing		

Table S2. Additional vaccine coverage (N = 263)

Vaccine Dose	Sample Immunization Status		
	Vaccinated	Age Eligible	Coverage
	N	N	(%)
f-IPV ¹ Dose 1	108	263	41.1%
f-IPV ¹ Dose 2	52	204	25.5%
Rotavirus Dose 1	74	263	28.1%
Rotavirus Dose 2	55	225	24.4%
Rotavirus Dose 3	35	204	17.2%
Measles 2 (Measles, MR ² , MMR ³)	18	44	40.9%
OPV ⁴ Booster	25	44	56.8%
DPT ⁵ Booster	26	44	59.1%

¹ Fractional dose of inactivated poliovirus vaccine (f-IPV).

² Measles -rubella (MR) vaccine.

³ Measles-mumps-rubella (MMR) vaccine.

⁴ Oral poliovirus vaccine (OPV).

⁵ Diphtheria-tetanus-pertussis (DPT) vaccine.

Table S3. Full vaccination coverage by site compared to state coverage rates (Rajasthan and Chandigarh, NFHS-4)

Fully vaccinated Jaipur study site		Fully vaccinated (Jaipur District, NFHS-4)		Fully vaccinated Chandigarh study site		Fully vaccinated (Chandigarh, NFHS-4)	
n	%	n ¹	% ^{1,2}	n	%	n ¹	% ^{1,2}
66	32.8%	5582	58.2	25	40.3	29	79.5

1 International Institute for Population Sciences (IIPS) and ICF. National Family Health Survey (NFHS-4) 2015-16 [Dataset]. Data Extract from IAIR72.SAV, IAKR72.SAV, IABR72.SAV, IAMR74.SAV, and IAPR74.SAV. IPUMS Demographic and Health Surveys (IPUMS DHS), 2018. [2]

2 Ministries of Health and Family Welfare. National Family Health Survey - 4 District Fact Sheet Jaipur Rajasthan. 2015.

http://rchiips.org/nfhs/FCTS/RJ/RJ_FactSheet_110_Jaipur.pdf [4]

3 Ministries of Health and Family Welfare. National Family Health Survey-4 State Fact Sheet Chandigarh. *Natl Fam Heal Surv - 4, Demogr Heal Surv* 2015. http://rchiips.org/nfhs/pdf/NFHS4/CH_FactSheet.pdf [5]