

References

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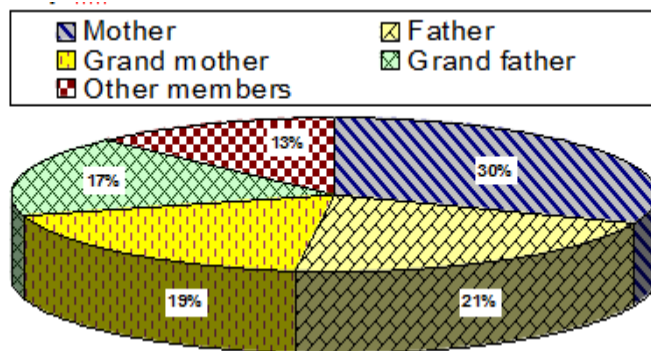


Figure 1: Percentage of father, mother, grandfather, grandmother and other family members regarding the knowledge of child and mother immunization

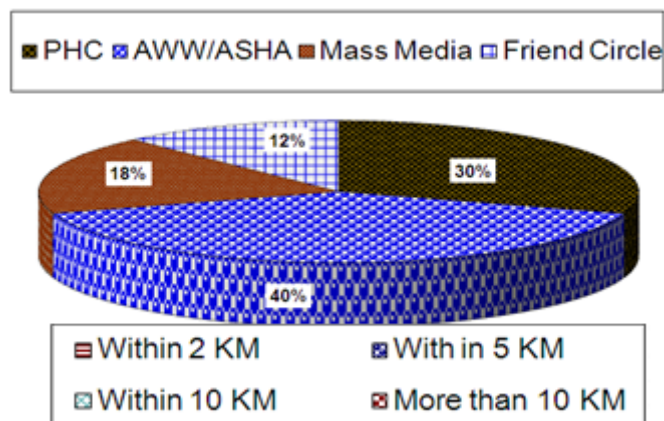


Figure 2: Sources of knowledge of family members regarding the knowledge of child and mother immunization

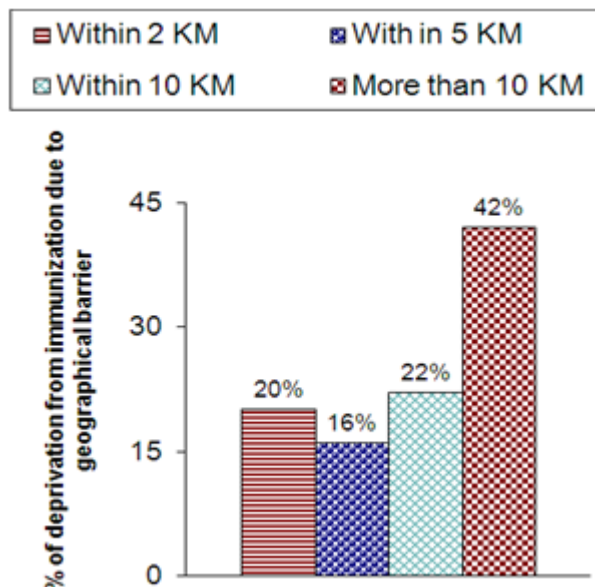


Figure 3: Role of the distance between PHC and residential area as interference for child and mother vaccination in study area

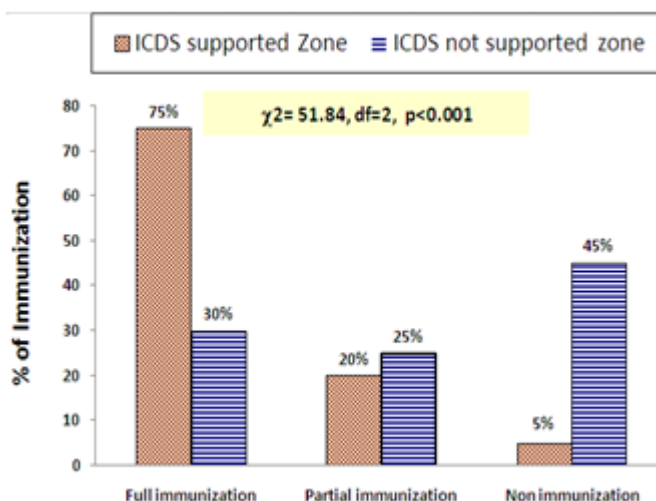


Figure 4: Comparative study of Immunization status (Full, Partial and Non-immunized) of children between ICDS supported and non-supported zones

Table 1: Comparative study about immunization status between male and female children of the study area (Data expressed in number and percentage in parentheses)

Sex \ Immunization Type	Fully immunized children Total No (%)	Partially immunized children Total No (%)	Non immunized children Total No (%)
Male (N=355)	200 (56)	120 (34)	35 (10)
Female (N=235)	55 (23)	125 (53)	55 (24)

Significant association between immunization (Full + partial) status with sex variation $\chi^2 = 23.70, df=2, p < 0.001$

Table 2: Comparative study on age wise (1+ to 5+ years age group) immunization status of male & female children

Sex	Total Male Children (N=355)					Total Female Children (N=235)				
	1 + Yr (N=21)	2 + Yrs (N=61)	3 + Yrs (N=103)	4 + Yrs (N=73)	5 + Yrs (N=97)	1 + Yr (N=37)	2 + Yrs (N=14)	3 + Yrs (N=82)	4 + Yrs (N=63)	5 + Yrs (N=39)
Full immunization	16 (76)	40 (66)	60 (58)	36 (49)	48 (49)	10 (27)	2 (14)	20 (24)	15 (24)	8 (21)
Partial immunization	3 (14)	15 (25)	35 (34)	27 (37)	40 (41)	15 (41)	3 (21)	40 (49)	40 (63)	27 (69)
Non immunization	2 (10)	6 (9)	8 (8)	10 (14)	9 (10)	12 (32)	9 (65)	22 (27)	8 (13)	4 (10)

Significant association between full, partial and non-immunization with age wise sex variation

For 1+ Yr. = 48.09, 2, <0.001 (χ^2 -test, df, p-value; Male Vs Female)

For 2+ Yrs. = 76.53, 2, <0.001 (χ^2 -test, df, p-value; Male Vs Female)

For 3+ Yrs. = 27.12, 2, <0.001 (χ^2 -test, df, p-value; Male Vs Female)

For 4+ Yrs. = 15.36, 2, <0.001 (χ^2 -test, df, p-value; Male Vs Female)

For 5+ Yrs. = 18.33, 2, <0.001 (χ^2 -test, df, p-value; Male Vs Female)

Table 3: Comparative study about immunization status between male and female children of the study area (Data expressed in number and percentage in parentheses)

A	<i>Caste (N=590)</i>		<i>General (N=126)</i>	<i>Schedule Caste (N=145)</i>	<i>Schedule Tribe (N=215)</i>	<i>Other Backward Class (N=84)</i>
	<i>Immunization Status</i>					
	Fully immunized (N=255)		110 (87)	50 (34)	60 (28)	35 (42)
	Partially immunized (N=245)		10 (8)	65 (45)	130 (60)	40 (48)
Non immunized (N=90)		6 (5)	30 (21)	25 (12)	9 (10)	
Significant association between immunization with caste variation $\chi^2 = 93.84, df=6, p < 0.001$						
B	<i>Occupational Status (N=590)</i>		<i>Service (N=100)</i>	<i>Farmer (N=140)</i>	<i>Labour (N=219)</i>	<i>Others (N=131)</i>
	<i>Immunization Status</i>					
	Fully immunized (N=255)		90 (90)	60 (43)	80 (37)	25 (19)
	Partially immunized (N=245)		10 (10)	60 (43)	110 (50)	65 (50)
Non immunized (N=90)		Nil	20 (14)	29 (13)	41 (31)	
Significant association between immunization with occupation variation $\chi^2 = 120.30, df=6, p < 0.001$						
C	<i>Family Size (N=590)</i>		<i>Small Family (N=210)</i>		<i>Big Family (N=380)</i>	

<i>Immunization Status</i>		
Fully immunized (N=255)	150(71)	105(28)
Partially immunized (N=245)	50(24)	195(51)
Non immunized (N=90)	10(5)	80(21)
Significant association between immunization with family size $\chi^2 = 38.24$, df =2, p <0.001		

Table 4: Level of child vaccination in relation to family literacy (Data expressed in number and percentage in parentheses)

<i>Educational level</i> (N=590)	<i>Up to primary</i> (N=246)	<i>Above primary to Secondary</i> (N=110)	<i>Above Secondary to Higher Secondary</i> (N=175)	<i>Above Higher Secondary</i> (N=59)	Significant association between immunization coverage with family literacy $\chi^2 = 146.17$, df =6, p <0.001
<i>Immunization Status</i>					
Fully immunized (N=255)	20 (8)	63 (57)	122 (70)	50(84)	
Partially immunized (N=245)	157(64)	29(26)	50(29)	9(16)	
Non immunized (N=90)	69(28)	18(17)	3(1)	Nil	

Table 5: Level of child vaccination covered in Govt. or private health institutes in ICDS covered and non-covered zones at rural belt of Purba and Paschim Medinipore districts of West Bengal (Data expressed in number and percentage in parentheses).

Sector	ICDS Coverage Type	ICDS Supported Zone (N=350)		ICDS Non Supported Zone (N=150)	
		Total No.	%	Total No.	%
	Govt. Sector	312	89	15	10
	Private Sector	38	11	135	90
Significant association between ICDS supported and non supported zone with site of vaccination i.e. Govt. sector and Private sector $\chi^2 = 124.83$, df=1, p<0.001					