Sudurpaschhim Province Routine immunization monitoring update from 2018 to 2023

Routine Immunization Independent monitoring is conducted through SMOs and trained monitors to provide real-time data for evidenced based interventions at appropriate administrative levels. This monitoring also identifies children who have missed routine vaccinations due to any cause and refer them to the nearest center for complete vaccination. This monitoring is a continuous activity in Nepal since 2018. Till Dec 2023, 289 session sites and 294 health facilities in 10 districts were monitored using structured checklists. About 4614 children in 426 high risk communities were monitored out of which 4053(88%) were age appropriately immunized.

Age-appropriate vaccination status (%) among children aged 6 weeks to 59 months in community found during Quick Immunization Assessment(2018 to 2022)

237 community

1957 children

1918 children

Age appropriately immunized

- less than 60%
- 60% - 79%
- 80% - 89%
- 90 and more

Number of age appropriately unimmunized children

- 1 - 4
- 5 - 24
- 25 - 49
- 50 - 74
- 75 and more

2018 → Y=96% N=4% → 2019 → Y=98% N=2% → 2020 → Y=100% N=0% → 2021 → Y=99% N=1% → 2022 → Y=80% N=20% → 2023

Reason category for not receiving age-appropriate vaccination(2018-2022)

Child Vaccination Card Available(2018-2022)

Mother/caregiver knows vaccines due for next visit & date, day, and place of session(2018-2022)

Child vaccination card status and reasons(2018-2022)

Reason	#	%
1 - not received	4	2%
2 - Lost	116	50%
3 - Torn	24	10%
4 - Others	86	37%
Total	230	100%

Category	Reason	2018		2019		2020		2021		2022		Total	
		#	%	#	%	#	%	#	%	#	%	#	%
Service Delivery	1a. Vaccination site too far	2	1	0	0	0	0	0	0		0	2	0
	1b. Vaccinator not available		0		0		0		0		0	0	0
	1c.Vaccines not available	0	0	8	5	1	0	0	0		0	9	2
	1d.Syringes or other supplies not available		0		0		0		0		0	0	0
	1e. Immunization session not conducted		0		0		0		0		0	0	0
	1f. Immunization session conducted but not regularly according to schedule		0		0		0		0		0	0	0
	1g.Working or busy parents		0		0		0		0		0	0	0
	1h.Not good experience with services (services, long waiting time, health workers' behaviour, immunization session site location etc.)		0		0		0		0		0	0	0
	1i. Migration/mobile population (Example: seasonal migration, ethnic group migration, construction workers etc.)		0		0		0		0		0	0	0
	1j.Displaced population (refugee,IDP,flood victims or disaster victims)		0		0		0		0		0	0	0
Knowledge Gap	2a.Mother does not know total no. of contact for complete immunization	3	2	1	1	0	0	0	0		0	4	1
	2b.Mother does not know the age for vaccination of different vaccine	3	2	1	1	0	0	1	1		0	5	1
	2c.Mother does not know immunization session site		0		0		0		0		0	0	0
Service Uptake	3a.Child not at home	2	1	11	7	0	0	0	0		0	13	2
	3b.Child sick	4	3	4	2	2	0	0	0		0	10	2
	3c.Fear of AEFI (any AEFI or fever or pain)	1	1	1	1	0	0	0	0		0	2	0
	3d.Thinking will go later	0	0	0	0	0	0	1	1		0	1	0
	3e.Fear of multiple injections		0		0		0		0		0	0	0
	3f.Past history of AEFI		0		0		0		0		0	0	0
	3g.No belief in vaccine	2	1	1	1	0	0	0	0		0	3	1
	3h.Religious		0		0		0		0		0	0	0
	3i.Fear of getting infected with COVID-19 at immunization session site		0		0		0		0		0	0	0
	3j.Undecided (Can not decide whether vaccine is needed or not)		0		0		0		0		0	0	0
	3k.Complete refusal to vaccinate		0		0		0		0		0	0	0
Other	4 - Others	24	17	1	1	0	0	1	1	2	2	28	5
	Reason Unknown		0		0		0		0	3	3	3	1
Sudurpaschhim Province		**41**	**100**	**28**	**100**	**3**	**0**	**3**	**100**	**5**	**100**	**80**	**100**

Routine immunization monitoring update 2023

In 2023, 4 districts (4 visits), 63 health facilities (78 visits), 37 session sites (59 visits) and 189 high risk communities were monitored. About 2671 children aged 6 weeks to 59 months were monitored out of which 2145 (80%)children were found to be age-appropriately vaccinated.

District Checklist

Findings

District	District visited	Total visits	District has updated district micro plan as per nes local administrative structure		District update vaccine and logistic control register at the end of immunization sessions for last month		Adequate stock of all vaccines, syringes for last 3 months	
			Yes (#)	Yes (%)	Yes (#)	Yes (%)	Yes (#)	Yes (%)
Achham	-	-	-	-	-	-	-	-
Baitadi	1	1	1	100	1	100	1	100
Bajhang	-	-	-	-	-	-	-	-
Bajura	-	-	-	-	-	-	-	-
Dadeldhura	-	-	-	-	-	-	-	-
Darchaula	-	-	-	-	-	-	-	-
Doti	2	2	2	-	2	100	2	100
Kailali	-	-	-	-	-	-	-	-
Kanchanpur	1	1	1	100	1	100	1	100
Sudurpaschhim	4	4	4	100	4	100	4	100

Health Facility

14 vaccine substore were visited 18 times,100% adequate supply of vaccine and syringes for last 3 months

District	No HF visited	Total visits	Health facility got adequately bundled vaccines, diluents, syringes and safety boxes		Health facility updated micro-plan as per new local administrative structure (inclusion of HTR population		Health facility initiated for 'full immunization' and sustainability plan if already declared fully immunized		Health facility conducted all sessions (out reach, fixed and mobile) as planned	
			Yes (#)	Yes (%)	Yes (#)	Yes (%)	Yes (#)	Yes (%)	Yes (#)	Yes (%)
Achham	2	2	2	100	2	100	2	100	2	100
Baitadi	1	1	1	100	1	100	1	100	1	100
Bajhang	1	1	1	100	1	100	1	100	1	100
Bajura	14	14	14	100	14	100	14	100	14	100
Dadeldhura	11	12	11	100	11	100	11	100	11	100
Darchaula	-	-	-	-	-	-	-	-	-	-
Doti	5	5	5	100	5	100	5	100	5	100
Kailali	19	30	19	100	17	89	18	95	19	100
Kanchanpur	10	13	10	100	7	70	9	90	10	100
Bagmati	**63**	**78**	**63**	**100**	**58**	**92**	**61**	**97**	**63**	**100**

Session Site

Findings

District	Health facilities visited	No. of sessons visit	Name list of children (expected and missed for earlier session) for this session		Supply of vaccine doses, syringes, diluent and safety boxes matches with		Vaccinator notes date & time of re-constitution for BCG, MR and JE vaccines		FCHV knows the ages for vaccination with different		Mothers/guardians are informed about next dose visits	
			Yes (#)	Yes (%)	Yes (#)	Yes (%)	Yes (#)	Yes (%)	Yes (#)	Yes (%)	Yes (#)	Yes (%)
Achham	-	-	-	-	-	-	-	-	-	-	-	-
Baitadi	-	-	-	-	-	-	-	-	-	-	-	-
Bajhang	1	1	1	100	1	100	1	100	1	100	1	100
Bajura	7	14	14	100	14	100	14	100	14	100	14	100
Dadeldhura	12	12	4	33	12	100	12	100	4	33	12	100
Darchaula	-	-	-	-	-	-	-	-	-	-	-	-
Doti	2	2	1	50	2	100	1	50	1	50	2	100
Kailali	7	20	18	90	20	100	19	95	18	90	20	100
Kanchanpur	8	10	10	100	10	100	10	100	10	100	10	100
Sudurpaschhim	37	59	48	81	59	100	57	97	48	81	59	100

Age-appropriate vaccination status (%) among children aged 6 weeks to 59 months in the community found during Quick Immunization Assessment, Jan to Dec 2023

District	No HF visited	Total Children	Yes (N)	Yes (%)
Achham	-	-	-	-
Baitadi	-	-	-	-
Bajhang	1	7	5	71
Bajura	7	130	130	100
Dadeldhura	9	98	98	100
Darchaula	-	-	-	-
Doti	1	10	10	100
Kailali	82	1268	942	74
Kanchanpur	87	1144	950	83
Province 7	**187**	**2657**	**2135**	**80**

- Less than 70%
- 70 % - 79 %
- 80 % - 89 %
- 90 % and more
- No community level monitoring

Data consist of quick immunization monitoring done in measles outbreak districts too

Quick immunization assessment is conducted in each community in 5-10 eligible children or more. Therefore, the age-appropriate vaccination % given in the map only reflects the % among the children assessed in the communities and not the whole palika or municipality.

Status of immunization card

For not receiving age-appropriate vaccinations

Reason Category	Reason	Prov7	
		#	%
Service Delivery	1a. Vaccination site too far	28	5
	1b. Vaccinator not available	0	0
	1c.Vaccines not available	200	38
	1d.Syringes or other supplies not available	0	0
	1e. Immunization session not conducted	27	5
	1f. Immunization session conducted but not regularly according to schedule	0	0
	1g.Working or busy parents	1	0
	1h.Not good experience with services (services, long waiting time, health workers' behaviour, immunization session site location etc.)	0	0
	1i. Migration/mobile population (Example: seasonal migration, ethnic group migration, construction workers etc.)	2	0
	1i. Migration-mobile population (Example: seasonal migration, ethnic group migration, construction workers etc.)	7	1
	1j.Displaced population (refugee,IDP,flood victims or disaster victims)	0	0
Knowledge Gap	2a.Mother does not know total no. of contact for complete immunization	61	12
	2b. Mother does not know the age for vaccination of different vaccine	137	26
	2c. Mother does not know immunization session site	16	3
Service Uptake	3a. Child not at home	10	2
	3b. Child sick	12	2
	3c. Fear of AEFI (any AEFI or fever or pain)	1	0
	3d. Thinking will go later	9	2
	3e. Fear of multiple injections	0	0
	3f. Past history of AEFI	1	0
	3g. No belief in vaccine	0	0
	3h.Religious	0	0
	3I.Fear of getting infected with COVID-19 at immunization session site	1	0
	3j. Undecided (Can not decide whether vaccine is needed or not)	0	0
	3k.Complete refusal to vaccinate	0	0
Others	Other	10	2
	Reason unknown	0	0
Total		523	100

Independent monitors conducting Rapid convenient monitoring in different communities