Karnali 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, 185 session sites and 247 health facilities in 10 districts were monitored using structured checklists. About 3070 children in 348 high risk communities were monitored out of which 2777(90%) were age appropriately immunized.

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

136 community

1180 children

1031 children

Number of age appropriately unimmunized children

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

Age appropriately immunized

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

2018	2019	2020	2021	2022	2023
Y=81% N=19%	Y=84% N=16%	Y=93% N=7%	Y=93% N=7%	Y=87% N=13%	Y=92% N=8%

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	10	21%
2 - Lost	20	43%
3 - Torn	3	6%
4 - Others	14	30%
Total	47	100%

Category	Reason	2018		2019		2020		2021		2022		Total	
		#	%	#	%	#	%	#	%	#	%	#	%
Service Delivery	1a. Vaccination site too far	9	6	1	1	0	0	0	0	3	3	13	2
	1b. Vaccinator not available	6	4	0	0	0	0	1	1	6	7	13	2
	1c.Vaccines not available	8	6	22	13	0	0	5	3	8	9	43	7
	1d.Syringes or other supplies not available		0		0		0		0	1	1	1	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	1	1		0	1	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	2	2	2	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	6	4	15	9	1	0	1	1	3	3	26	4
	2b.Mother does not know the age for vaccination of different vaccine	2	1	11	7	1	0	1	1	4	4	19	3
	2c.Mother does not know immunization session site		0		0		0		0		0	0	0
Service Uptake	3a.Child not at home	4	3	7	4	0	0	7	4	5	5	23	4
	3b.Child sick	2	1	6	4	0	0	0	0	10	11	18	3
	3c.Fear of AEFI (any AEFI or fever or pain)	2	1	0	0	0	0	0	0	2	2	4	1
	3d.Thinking will go later	0	0	0	0	0	0	1	1	3	3	4	1
	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	1	1	0	0	0	0	0	0		0	1	0
	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	10	7	5	3	0	0	2	1	3	3	20	3
	Reason Unknown		0		0		0		0	11	12	11	2
Karnali Province		**50**	**100**	**67**	**100**	**2**	**0**	**19**	**100**	**61**	**100**	**199**	**100**

Routine immunization monitoring update 2023

In 2023, 6 districts (9 visits), 23 health facilities (26 visits), 26 session sites (30 visits) and 212 high risk communities were monitored. About 1890 children aged 6 weeks to 59 month were monitored out of which 1746 (92%) children were found to be age-appropriately vaccinated.

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	Total Communities	Total Children	Yes (N)	Yes (%)
Dailekh	44	242	242	100
Dolpa	14	145	138	95
Humla	-	-	-	-
Jajarkot	36	470	361	77
Jumla	-	-	-	-
Kalikot	27	294	294	100
Mugu	-	-	-	-
Rukum West	12	130	118	91
Salyan	14	120	112	86
Surkhet	65	483	481	100
Province 6	**212**	**1890**	**1746**	**92**

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.

District Checklist

Findings

District	District visited	Total visits	District has updated district micro plan as per nes local administrative structure: Yes (#)	Yes (%)	District update vaccine and logistic control register at the end of immunization sessions for last month: Yes (#)	Yes (%)	Adequate stock of all vaccines , syringes for last 3 months: Yes (#)	Yes (%)
Dailekh	-	-	-	-	-	-	-	-
Dolpa	-	-	-	-	-	-	-	-
Humla	-	-	-	-	-	-	-	-
Jajarkot	1	4	1	100	-	-	-	-
Jumla	1	1	1	100	1	100	1	100
Kalikot	1	1	1	100	1	100	-	-
Mugu	-	-	-	-	-	-	-	-
Rukum West	1	1	1	100	1	100	1	100
Salyan	1	1	1	100	-	-	1	100
Surkhet	1	1	1	100	1	100	1	100
Karnali	6	9	6	100	4	67	4	67

Health Facility

10 vaccine substore were visited 13 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: Yes (#)	Yes (%)	Health facility updated micro-plan as per new local administrative structure (inclusion of HTR population and area from palika): Yes (#)	Yes (%)	Health facility initiated for 'full immunization' and sustainability plan if already declared fully immunized: Yes (#)	Yes (%)	Health facility conducted all sessions (out reach, fixed and mobile) as planned: Yes (#)	Yes (%)
Dailekh	5	5	5	100	1	20	3	60	5	100
Dolpa	-	-	-	-	-	-	-	-	-	-
Humla	-	-	-	-	-	-	-	-	-	-
Jajarkot	2	2	2	100	-	-	2	100	2	100
Jumla	-	-	-	-	-	-	-	-	-	-
Kalikot	1	1	1	100	1	100	1	100	-	-
Mugu	-	-	-	-	-	-	-	-	-	-
Rukum West	2	2	1	50	0	0	1	50	1	50
Salyan	10	13	10	100	4	40	10	100	10	100
Surkhet	3	3	3	100	3	100	3	100	3	100
Karnali	**23**	**26**	**22**	**96**	**9**	**39**	**20**	**87**	**21**	**91**

Session Site

Findings

District	Health facilities visited	No. of sessons visit	Name list of children (expected and missed for earlier session) for this session available: Yes (#)	Yes (%)	Supply of vaccine doses , syringes, diluent and safety boxes matches with session targets: Yes (#)	Yes (%)	Vaccinator notes date & time of re-constitution for BCG, MR and JE vaccines: Yes (#)	Yes (%)	FCHV knows the ages for vaccination with different vaccines as per immunization schedule: Yes (#)	Yes (%)	Mothers/guardians are informed about next dose visits: Yes (#)	Yes (%)
Dailekh	13	14	13	93	14	100	14	100	13	93	14	100
Dolpa	-	-	-	-	-	-	-	-	-	-	-	-
Humla	-	-	-	-	-	-	-	-	-	-	-	-
Jajarkot	-	-	-	-	-	-	-	-	-	-	-	-
Jumla	-	-	-	-	-	-	-	-	-	-	-	-
Kalikot	-	-	-	-	-	-	-	-	-	-	-	-
Mugu	-	-	-	-	-	-	-	-	-	-	-	-
Rukum West	-	-	-	-	-	-	-	-	-	-	-	-
Salyan	3	6	-	-	6	100	2	33	4	67	6	100
Surkhet	10	10	10	100	10	100	10	100	10	100	10	100
Karnali	26	30	23	77	30	100	26	87	27	90	30	100

Status of immunization card

Independent monitors conducting Rapid convenient monitoring in different communities

For not receiving age-appropriate vaccinations

Reason Category	Reason	Prov6 #	Prov6 %
Service Delivery	1a. Vaccination site too far	2	1
	1b. Vaccinator not available	0	0
	1c.Vaccines not available	15	10
	1d.Syringes or other supplies not available	1	1
	1e. Immunization session not conducted	0	0
	1f. Immunization session conducted but not regularly according to schedule	0	0
	1g.Working or busy parents	1	1
	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.)	0	0
	1i. Migration-mobile population (Example: seasonal migration, ethnic group migration, construction workers etc.)	0	0
	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	6	4
	2b. Mother does not know the age for vaccination of different vaccine	2	1
	2c. Mother does not know immunization session site	2	1
Service Uptake	3a. Child not at home	25	17
	3b. Child sick	0	0
	3c. Fear of AEFI (any AEFI or fever or pain)	0	0
	3d. Thinking will go later	5	3
	3e. Fear of multiple injections	0	0
	3f. Past history of AEFI	0	0
	3g. No belief in vaccine	0	0
	3h.Religious	0	0
	3i.Fear of getting infected with COVID-19 at immunization session site	0	0
	3j. Undecided (Can not decide whether vaccine is needed or not)	0	0
	3k.Complete refusal to vaccinate	0	0
Others	Other	0	0
	Reason unknown	85	59
Total		144	100