Lumbini 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, 358 session sites and 485 health facilities in 12 districts were monitored using structured checklists. About 35246 children in 2058 high risk communities were monitored out of which 31,348(89%) 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)

1798 community

33194 children

29454 children

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	496	12%
2 - Lost	3005	72%
3 - Torn	655	16%
4 - Others	20	0%
Total	4176	100%

Category	Reason	2018		2019		2020		2021		2022		Total	
		#	%	#	%	#	%	#	%	#	%	#	%
Service Delivery	1a. Vaccination site too far	0	0	3	2	0	0	0	0	0	0	3	1
	1b. Vaccinator not available	0	0		0		0		0		0	0	0
	1c.Vaccines not available	3	2	8	5	0	0	0	0	1	1	12	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	2	2	2	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	9	6	17	10	1	0	0	0	5	5	32	5
	2b.Mother does not know the age for vaccination of different vaccine	13	9	12	7	1	0	0	0		0	26	4
	2c.Mother does not know immunization session site		0		0		0		0		0	0	0
Service Uptake	3a.Child not at home	17	12	30	18	0	0	0	0		0	47	8
	3b.Child sick	10	7	17	10	4	0	0	0	1	1	32	5
	3c.Fear of AEFI (any AEFI or fever or pain)	7	5	8	5	0	0	0	0		0	15	3
	3d.Thinking will go later		0		0		0		0		0	0	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	6	4	0	0	0	0		0	8	1
	3h.Religious	1	1	0	0	0	0	0	0		0	1	0
	3i.Fear of getting infected with COVID-19 at immunization session site		0		0		0		0	1	1	1	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	1	1	1	0
Other	4 - Others	35	25	3	2	0	0	37	20		0	75	13
	Reason Unknown		0		0		0		0		0	0	0
Lumbini Province		**97**	**100**	**104**	**100**	**6**	**0**	**37**	**100**	**11**	**100**	**255**	**100**

Routine immunization monitoring update 2023

In 2023, 7 districts (12 visits), 118 health facilities (123 visits), 67 session sites (79 visits) and 1798 high risk communities were monitored. About 33194 children were monitored out of which 29454 (89%) 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: 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 (%)
Arghakhanchi	1	1	1	100	1	100	1	100
Banke	1	2	1	100	1	100	1	100
Bardiya	-	-	-	-	-	-	-	-
Dang	-	-	-	-	-	-	-	-
Gulmi	1	1	1	100	1	100	1	100
Kapilbastu	1	1	1	100	1	100	1	100
Nawalparasi Wes	2	2	-	-	2	100	2	100
Palpa	1	2	1	100	1	100	1	100
Pyuthan	-	-	-	-	-	-	-	-
Rolpa	-	-	-	-	-	-	-	-
Rukum East	-	-	-	-	-	-	-	-
Rupandehi	1	3	1	100	1	100	1	100
Lumbini	8	12	6	75	8	100	8	100

Health Facility

35 vaccine substore were visited 37 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 (%)
Arghakhanchi	2	2	2	100	2	100	2	100	2	100
Banke	3	3	3	100	-	-	3	100	3	100
Bardiya	1	1	1	100	-	-	1	100	1	100
Dang	-	-	-	-	-	-	-	-	-	-
Gulmi	39	41	39	100	37	95	39	100	39	100
Kapilbastu	30	31	30	100	19	63	28	93	29	97
Nawalparasi We	32	34	31	97	23	72	31	97	32	100
Palpa	5	5	5	100	-	-	5	100	5	100
Pyuthan	-	-	-	-	-	-	-	-	-	-
Rolpa	-	-	-	-	-	-	-	-	-	-
Rukum East	-	-	-	-	-	-	-	-	-	-
Rupandehi	6	6	5	83	1	17	5	83	5	83
Lumbini	**118**	**123**	**116**	**98**	**82**	**69**	**114**	**97**	**116**	**98**

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: Yes (#)	Yes (%)	Mothers/guardians are informed about next dose visits: Yes (#)	Yes (%)
Arghakhanchi	1	2	2	100	2	100	2	100	2	100	2	100
Banke	1	3	-	-	3	100	3	100	3	100	3	100
Bardiya	1	1	-	-	1	100	1	100	1	100	1	100
Dang	-	-	-	-	-	-	-	-	-	-	-	-
Gulmi	36	44	19	43	44	100	42	95	42	95	44	100
Kapilbastu	26	27	22	81	26	96	24	89	24	89	27	100
Nawalparasi W	-	-	-	-	-	-	-	-	-	-	-	-
Palpa	-	-	-	-	-	-	-	-	-	-	-	-
Pyuthan	-	-	-	-	-	-	-	-	-	-	-	-
Rolpa	-	-	-	-	-	-	-	-	-	-	-	-
Rukum East	-	-	-	-	-	-	-	-	-	-	-	-
Rupandehi	2	2	2	100	2	100	2	100	2	100	2	100
Lumbini	67	79	45	57	78	99	74	94	74	94	79	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	Total Communities	Total Children	Yes (N)	Yes (%)
Arghakhanchi	-	-	-	-
Banke	1384	25843	22328	86
Bardiya	178	3057	2943	96
Dang	96	2185	2174	99
Gulmi	41	317	317	100
Kapilbastu	38	367	341	93
Nawalparasi West	52	1377	1305	95
Palpa	1	6	6	100
Pyuthan	-	-	-	-
Rolpa	8	42	40	95
Rukum East	-	-	-	-
Rupandehi	-	-	-	-
Province 5	1791	33194	29454	89

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	Prov5 #	Prov5 %
Service Delivery	1a. Vaccination site too far	21	1
	1b. Vaccinator not available	41	1
	1c.Vaccines not available	183	5
	1d.Syringes or other supplies not available	22	1
	1e. Immunization session not conducted	9	0
	1f. Immunization session conducted but not regularly according to schedule	8	0
	1g.Working or busy parents	37	1
	1h.Not good experience with services (services, long waiting time, health workers' behaviour, immunization session site location etc.)	5	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.)	31	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	1442	39
	2b. Mother does not know the age for vaccination of different vaccine	524	14
	2c. Mother does not know immunization session site	41	1
Service Uptake	3a. Child not at home	475	13
	3b. Child sick	336	9
	3c. Fear of AEFI (any AEFI or fever or pain)	120	3
	3d. Thinking will go later	169	5
	3e. Fear of multiple injections	8	0
	3f. Past history of AEFI	2	0
	3g. No belief in vaccine	44	1
	3h.Religious	33	1
	3i.Fear of getting infected with COVID-19 at immunization session site	11	0
	3j. Undecided (Can not decide whether vaccine is needed or not)	7	0
	3k.Complete refusal to vaccinate	21	1
Others	Other	32	1
	Reason unknown	118	3
Total		3740	100

Independent monitors conducting Rapid convenient monitoring in different communities