

Annexure: C

Table PM1: Training, awareness and source of information about National Deworming Day among respondents (teacher/headmaster/anganwadi worker), August, 2016

Indicators	School			Anganwadi		
	D ¹	N ²	%	D	N	%
Attended training for current round of NDD	320	302	94.4	160	154	96.3
Reasons for not attending official training						
Location was too far away	18	1	5.6	6	0	0.0
Did not know the date/timings/venue	18	9	50.0	6	3	50.0
Busy in other official/personal work	18	4	22.2	6	2	33.3
Attended deworming training in the past	18	3	16.7	6	0	0.0
Not necessary	18	1	5.6	6	0	0.0
No incentives/no financial support	18	1	5.6	6	1	16.7
Trained teacher provided training to						
All other teachers	302	206	68.2	NA	NA	NA
Few teachers	302	48	15.9	NA	NA	NA
No (himself/herself only teacher)	302	25	8.3	NA	NA	NA
No, did not train other teachers	302	23	7.6	NA	NA	NA
Awareness about the ways a child can get worm infection	320	308	96.3	160	146	91.3
Different ways a child can get worm infection						
Not using sanitary latrine	308	196	63.6	146	89	61.0
Having unclean surroundings	308	153	49.7	146	79	54.1
Consume vegetables and fruits without washing	308	148	48.1	146	68	46.6
Having uncovered food and drinking dirty water	308	111	36.0	146	52	35.6
Having long and dirty nails	308	138	44.8	146	71	48.6
Moving in bare feet	308	45	61.0	146	45	56.2
Having food without washing hands	308	165	62.3	146	95	64.4
Not washing hands after using toilets	308	37	50.7	146	15	48.6
Awareness about all the possible ways a child can get worm infection³	320	26	8.4	160	8	5.0
Perceive that health education should be provided to children	320	289	90.3	160	138	86.3
Knowledge about correct dose of albendazole tablet						
1-2 years of children	NA	NA	NA	160	156	97.5
6-19 years of children	320	316	98.8	160	156	97.5
Awareness about non-administration of albendazole tablet to sick child						
Will give albendazole tablet to the child	320	5	9.0	160	4	5.6
Will not give the albendazole tablet to the child	320	315	98.5	160	156	97.5
Awareness about consuming albendazole tablet						

¹Denominator for the indicator

²Numerator for the indicator

³ Includes those who were aware that a child can get worm infection if she/he does not use sanitary latrine, have unclean surroundings, consume vegetable and fruits without washing, have uncovered food and drinking dirty water, have long and dirty nails, moves in bare fee, have food without washing hands and not washing hands after using toilets.

Chew before swallowing	320	289	90.3	160	142	88.8
Swallow it directly	320	31	9.7	160	18	11.3
Awareness about consuming albendazole in school/anganwadi	320	309	96.6	160	155	96.9
Awareness about the last date for submitting the reporting form	320	177	55.3	160	80	50.0
Aware that completed reporting form should be submitted to ANM/MPW	320	232	72.5	160	101	63.2
Awareness to retain a copy of the reporting form post submission	320	306	95.6	160	152	95.0
Source of information about current NDD round						
Television	320	68	21.3	160	37	23.1
Radio	320	19	5.9	160	7	4.4
Newspaper	320	85	26.6	160	24	15.0
Banner	320	40	12.5	160	21	13.1
SMS	320	111	34.7	160	41	25.6
Other school/teacher/anganwadi worker	320	45	14.1	160	38	23.8
Training	320	165	51.6	160	95	59.4
Receive SMS for current NDD round	320	167	52.2	160	69	43.1

Table PM2: Deworming activity, availability of albendazole tablet and list of unregistered out-of-school children, August, 2016

Indicators	School			Anganwadi		
	D	N	%	D	N	%
Albendazole tablet administered on the day of visit						
Yes, ongoing	320	115	35.9	160	76	47.5
Yes, already done	320	103	32.2	160	37	23.1
Yes, after sometime	320	82	25.6	160	39	24.4
No, will not administer today	320	20	6.3	160	8	5.0
Schools/anganwadis conducted deworming on either of the day	320	305	95.5	160	156	97.5
Schools/anganwadis conducted deworming on NDD ⁴	160	152	95.0	80	79	98.8
Schools/anganwadis conducted deworming on mop-up day ⁵	160	152	92.5	80	73	91.3
Reasons for not conducting deworming						
No information	20	3	15.0	8	1	12.5
Albendazole tablet not received	20	1	5.0	8	1	12.5
Apprehension of adverse events	20	0	0.0	8	0	0.0
Already dewormed all children on deworming day ⁶	20	7	35.0	8	4	50.0
Others ⁷	20	9	45.0	8	2	25.0
Anganwadishaving list of unregistered/out-of-school	NA	NA	NA	160	58	36.2

⁴Based on the samples visited on National Deworming Day.

⁵Based on the samples visited on mop-up day.

⁶Based on the samples that did not conduct deworming on mop-up day.

⁷Includes, parents objection, children/student absent, postponed due to election.

children						
Out-of-school children given albendazole tablet	NA	NA	NA	160	118	75.7
Unregistered children given albendazole tablet	NA	NA	NA	160	104	64.5
Sufficient quantity of albendazole tablet⁸	315	298	94.6	159	146	91.8

Table PM3: Integrated distribution of albendazole tablets and IEC materials, August, 2016

Items	Schools				Anganwadi			
	Received (N=320)	D*	Received in training	Verified	Received (N=160)	D*	Received in training	Verified
Albendazole tablet	98.4(315)	315	89.5 (282)	99.1 (312)	99.4 (159)	159	93.1 (148)	98.7 (157)
Poster/banner	94.1(301)	301	92.0 (277)	96.7 (291)	96.9 (155)	155	92.9 (144)	98.1 (152)
Handouts/ reporting form	92.2(295)	295	91.9 (271)	97.6 (288)	96.9 (155)	155	95.5 (148)	97.4 (151)
Adverse event reporting form	65.6 (210)	210	94.8 (199)	97.6 (205)	61.9 (99)	99	96.0 (95)	98.0 (97)
Others ⁹	7.5 (24)	24	66.7 (16)	87.5 (21)	10.0 (16)	16	62.5 (10)	68.8 (11)
Received all material	62.5 (200)	200	93.5 (187)	95.5 (191)	60.6 (97)	97	93.8 (91)	96.9 (94)
Integrated distribution¹⁰	58.4(187)				56.9(91)			

Note:The denominator for item “Received” is 320 for schools and 160 for anganwadis.

Numerators for “Received in training” and “Verified” are given in parentheses

*Indicates common denominator for “Received in training” and “Verified”

Table PM4: Implementation of deworming activity and observation of monitor's, August, 2016

Indicators	Schools			Anganwadi		
	D	N	%	D	N	%
Deworming activity was taking place	320	162	50.6	160	98	61.3
Albendazole tablet distributed by						
Teacher/headmaster	115	115	100.0	76	0	0.0
Anganwadi worker	115	0	0.0	76	74	97.4
ASHA	115	0	0.0	76	2	2.6
Followed any recording protocol	218	198	90.8	113	101	89.4
Protocol followed						
Putting single/double tick	198	167	84.3	101	76	75.3
Put different symbols	198	13	6.6	101	8	7.9
Prepare the separate list for dewormed	198	18	9.1	101	17	16.8
Visibility of poster/banner during NDD/MUD	301	279	92.7	155	145	93.6

Table PM5: Adverse event knowledge and management among respondents, August, 2016

⁸ This indicator is based on the sample that received albendazole tablet.

⁹ Pen, notepad, document file, folder, chart, pencil and annexure

¹⁰ Integrated distribution of NDD kits includes albendazole tablet, banner/poster and handout-reporting forms and provided to schools and AWC during the trainings at block or PHC level

Indicators	Schools			Anganwadi		
	D	N	%	D	N	%
Opinion of occurrence of an adverse event after taking albendazole tablet	320	126	39.4	160	66	41.3
Opinion of occurrence of possible adverse events						
Mild abdominal pain	126	98	77.8	66	40	60.6
Nausea	126	93	73.8	66	52	78.8
Vomiting	126	68	54.0	66	38	57.6
Diarrhoea	126	37	29.4	66	20	30.3
Fatigue	126	32	25.4	66	20	30.3
All possible adverse event ¹¹	320	11	3.4	160	4	2.5
Awareness about mild adverse event management						
Make the child lie down in open and shade/shaded place	320	190	59.4	160	92	57.5
Give ORS/water	320	231	72.2	160	114	71.3
Observe the child at least for 2 hours in the school	320	94	29.4	160	41	25.6
Don't know/don't remember	320	29	9.1	160	21	13.1
Awareness about sever adverse event management						
Call PHC or emergency number	320	205	64.1	160	102	63.8
Take the child to the hospital /call doctor to school	320	187	58.4	160	89	55.6
Don't know/don't remember	320	7	2.2	160	6	3.8
Occurrence of cases of any adverse event	218	31	14.2	113	13	11.5
Available contact numbers of the nearest ANM or MO-PHC	320	239	74.7	160	122	76.3

Table PM6: Selected Indicators of Process Monitoring in Private Schools, August, 2016

Indicators ¹²	D	N	%
Attended training for current round of NDD	12	12	100.0
Received albendazole tablet	12	12	100.0
Sufficient quantity of albendazole tablet	12	12	100.0
Received poster/banner	12	12	100.0
Received handouts/ reporting form	12	11	91.7
Received SMS for current NDD round	6	6	50.0
Albendazole administered to children	11	10	91.7
Reasons for not conducting deworming			
No information	0	0	0
Albendazole tablet not received	0	0	0
Already dewormed all children on deworming day(based on mop-up day sample)	1	1	100
Albendazole tablet administered to children by teacher/headmaster¹³	12	12	100.0
Perceive that health education should be provided to children	12	11	91.7
Knowledge about correct dose of albendazole tablet	12	12	100.0

¹¹Includes those who have knowledge that a mild abdominal pain and nausea and vomiting and diarrhoea and fatigue can be reported by a child after taking albendazole tablet

¹²These indicators are based on small samples, therefore, precautions should be taken while interpreting the results as these are not representative of all private schools in the state

¹³This indicator is based on samples where deworming was ongoing.

Awareness about non-administration of albendazole tablet to sick child	12	10	83.3
Opinion of occurrence of an adverse event after taking albendazole tablet	12	9	75.0
Opinion of occurrence of possible adverse events			
Mild abdominal pain	9	5	55.6
Nausea	9	6	66.7
Vomiting	9	6	66.7
Diarrhea	9	2	22.2
Fatigue	9	4	44.4
Occurrence of cases of any adverse event	9	10	11.1
Awareness about mild adverse event management			
Let the child rest in an open and shaded place	12	9	75.0
Provide clean water to drink/ORS	12	9	75.0
Contact the ANM/nearby PHC	12	9	25.0
Available contact numbers of the nearest ANM or MO-PHC	12	10	83.3
Followed correct reporting protocol	6	5	85.7

Table CV1: Findings from School and Anganwadi Coverage Validation Data

Indicators ¹⁴	School			Anganwadi		
	D	N	%	D	N	%
Conducted deworming ¹⁵	400	392	98.0	400	398	99.5
Day of albendazole administration ¹⁶						
National Deworming Day	392	391	99.7	397	395	99.4
Mop-up day	392	346	88.3	397	311	78.3
Between NDD and mop-up day	392	15	3.8	397	5	1.3
Reasons for not conducting deworming						
No information	8	3	37.5	3	0	0.0
Drugs not received	8	2	25.0	3	0	0.0
Apprehension of adverse events	8	0	0.0	3	0	0.0
Others ¹⁷	8	3	37.5	3	3	100
Albendazole left after deworming	392	265	67.6	397	239	60.3
Number of albendazole left						
Less than 50	265	219	82.6	209	208	99.7
50-100	265	21	7.9	209	1	0.3
More than 100	265	25	9.4	209	0	0.0
Copy of reporting form was available for verification	392	336	85.7	397	327	82.4
Reasons for non-availability of copy						

¹⁴Weighted percentages and numbers are presented against each indicator in all the coverage validation tables. In some indicators denominators may vary because of this.

¹⁵ Schools and *anganwadis* that conducted deworming on during NDD or mop-up day

¹⁶Total percentage may add to more than 100 as multiple responses are allowed.

¹⁷It includes teachers were not interested in deworming activity and *anganwadi* worker was not well.

of reporting form						
Did not received	56	1	1.8	79	0	0.0
Submitted to ANM	56	31	55.4	79	52	65.9
Unable to locate	56	17	30.4	79	18	23.1
others	56	7	12.5	79	9	11.1
Anganwadis having list of unregistered children	NA	NA	NA	397	28	7.1
Anganwadis having list of out-of-school children	NA	NA	NA	397	101	25.6
Reported cases of adverse event	392	6	1.5	397	0	0.0

Table CV2: Recording protocol, verification, inflation and attendance in schools and *anganwadis*

Indicators	School			Anganwadis		
	N	D	%	D	N	%
Followed correct¹⁸ recording protocol	375	259	69.1	397	264	66.6
Followed partial¹⁹ recording protocol	375	38	10.1	397	81	20.3
Followed no²⁰ recording protocol	375	78	20.8	397	52	13.1
State level verification factor²¹	39,930	28,746	0.71	11,060	9,419	0.85
<i>Anganwadi</i> registered children	NA	NA	NA	9,263	7,784	0.84
<i>Anganwadi</i> unregistered children	NA	NA	NA	589	593	1.0
Out-of-school children	NA	NA	NA	1,208	1,042	0.86
State level inflation rate²²	28,746	11,184	38.9	9,419	1,641	17.4
<i>Anganwadi</i> registered children	NA	NA	NA	7,784	1,479	18.9
<i>Anganwadi</i> unregistered children	NA	NA	NA	593	-4	0.0
Out-of-school children	NA	NA	NA	1,042	166	15.9
Attendance on pre-NDD²³	41,051	30,003	73.1	NA	NA	NA
Attendance on NDD	41,051	27,973	68.1	NA	NA	NA
Attendance on mop-up day	41,051	27,046	65.9	NA	NA	NA
Children who attended on both NDD and mop-up day	41,051	21,206	51.7	NA	NA	NA

¹⁸Correct recording protocol includes schools where all the classes put single tick(✓) on NDD and double tick (✓✓) on mop-up day to record the information of dewormed children

¹⁹Partial recording protocol includes schools where all the classes did not follow correct protocol, put different symbols and prepared separate list to record the information of dewormed children

²⁰No protocol includes all those schools where none of the classes followed any protocol to record the information of dewormed children

²¹Ratio of recounted value of the dewormed children to the reported value. This calculation is based on only those schools (n=336) and *anganwadis* (n=318) where deworming was conducted and copy of reporting forms were available for verification.

²² Proportion of over reported dewormed children against total verified children in schools and *anganwadis*.

²³This is attendance of previous day of NDD.

Maximum attendance of children on Deworming Day and mop-up Day	41,051	33,813	82.4	NA	NA	NA
School level inflation rate for schools and <i>anganwadis</i> that followed the correct recording protocol	21,525	7,604	35.3	NA	NA	NA
Estimated NDD coverage²⁴	59-79			74		

Table CV3: Indicators based on interview of children during coverage validation

Indicators	D	N	%
Children received deworming tablets	1,176	1,162	98.8
Children consumed deworming tablet	1,162	1,154	99.3
Children aware about the deworming tablets	1,162	1,092	93.9
Source of information for deworming			
Teacher / school	1092	1079	1.2
Television	1092	1	0.1
Radio	1092	0	0
Newspaper	1092	0	0
Poster/Banner	1092	0	0
Parents/siblings	1092	7	0.6
Friends / neighbors	1092	5	0.5
Way children consumed the deworming tablet			
-Chewed tablet before swallowing	1,154	1,083	93.8
-Swallowed tablet directly	1,154	71	6.2
Supervised administration of deworming tablets	1,154	1,138	98.6

Note: Three children were interviewed from all those schools (392) who reported to observe deworming during NDD and mop-up day out of total 400 schools visited during coverage validation.

²⁴Coverage was estimated by implying state level verification factor on government reported coverage for schools and AWC. To provide additional insight, school coverage was also estimated on the basis of NDD implementation status, attendance and supervised administration in the school. We assume that same level of documentation and accuracy in coverage data reporting is prevalent in the schools and AWCs where copy of reporting forms was not available for verification. Further, estimated coverage based on attendance data in schools includes attendance on only NDD and mop-up day.