

2021 OPERATION TIMBANG PLUS (OPT+) RESULT

Prevalence of Malnutrition among Preschool Children (Ages 0-5 Years Old) in Region I

Some salient findings of the 2021 Operation Timbang Plus (OPT+) conducted by Local Government Units include the following:

- **2.51 percent or 3 out of 100** preschool children are **underweight and severely underweight** (low weight for age)
- **3.00 percent or 3 out of 100** preschool children are **overweight and obese** (weight for height)
- **4.21 percent or 5 out of 100** preschool children are **stunted and severely stunted** (low height for age and with acute chronic long-standing malnutrition)
- **1.60 percent or 2 out of 100** preschool children are **wasted and severely wasted** (low weight for height and with acute malnutrition)

Comparative Data: 2020-2021

Among the provinces and cities of the region, consolidated OPT results show that:

- The prevalence of **underweight and severely underweight** preschool children decreased by 0.17 percentage points from 2.68 percent in 2020 to 2.51 percent in 2021.
- The prevalence of **stunted and severely stunted** preschool children decreased by 0.65 percentage points from 4.86 percent in 2020 to 4.21 percent in 2021.
- The prevalence of **wasted and severely wasted** preschool children decreased by 0.33 percentage points from 1.92 percent in 2020 to 1.59 percent in 2021.
- The prevalence of **overweight and obese** (weight for height) preschool children remained the same having 3.0 percent in 2020 and 2021.

OPT PLUS RESULTS over the years (2017-2021)

Provinces/Cities	Underweight					Overweight					Stunting					Wasting				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Ilocos Norte	5.06	4.48	4.89	4.07	3.64	3.95	3.92	4.08	3.79	3.35	10.4 6	9.91	10.4 8	8.41	7.57	2.7	2.73	2.64	2.09	2.05
Ilocos Sur	3.51	2.92	2.9	2.61	3.39	3.13	4.07	2.85	3.62	4.57	7.98	9.68	6.57	6.59	6.51	2.39	2.49	1.66	1.73	1.55
La Union	3.91	3.41	3.17	2.87	2.63	2.61	2.35	2.47	2.36	2.42	9.37	7.07	6.14	5.09	4.52	3.01	2.28	1.88	1.14	1.04
Pangasinan	1.44	1.82	3.31	2.20	1.85	2.09	2.12	4.17	2.72	2.34	4.02	3.35	6.67	3.83	3.03	1.85	1.81	3.32	1.97	1.43
Alaminos City	2.62	1	1.46	1.37	1.65	3.12	0.6	1.74	2.27	2.28	6.34	1.55	2.55	2.26	2.23	2.92	0.52	0.39	0.47	0.56
Batac City	4.42	5.03	5.36	4.20	4.54	5.67	5.02	4.93	5.08	6.28	11.4 3	11.2 2	11.3 2	10.3 1	9.89	3.02	1.89	2.54	2.12	2.07
Candon City	1.15	0.77	0.62	1.69	2.42	3	2.87	1.31	1.52	3.66	5.86	2.59	0.84	3.68	3.38	1.85	0.75	0.21	0.62	1.07
Dagupan City	1.8	2.69	7.13	7.73	7.88	1.24	1.16	4.21	7.71	9.69	8.38	7.4	11.5 3	14.4 2	12.6 8	4.95	4.48	5.31	6.67	6.70
Laoag City	1.61	1.51	1.47	1.13	1.03	2.66	1.84	2.45	1.77	3.04	1.97	2.4	2.54	1.39	1.92	0.81	0.58	0.65	0.31	0.16
San Carlos City	4.95	7.65	6.85	5.19	4.91	7.14	10.5 2	7.34	4.40	4.28	8.43	9.73	8.28	5.71	5.65	6.17	8.38	3.81	3.50	2.83
San Fernando City	2.42	3.3	4.09	3.09	2.43	1.99	2.23	3.63	3.44	2.97	3.93	3.9	7.05	5.72	3.79	1.51	1.77	2.36	1.80	1.43
Urdaneta City	2.9	2.75	1.6	1.44	1.78	2.31	2.35	1.15	1.32	1.52	5.05	4.3	1.98	1.80	1.89	2.35	2.26	1.09	0.71	0.69
Vigan City	1.27	1.56	1.48	1.22	0.98	1.11	0.74	0.37	0.17	0.15	8.03	5.89	4.36	2.60	1.92	0.6	0.4	0.35	0.30	0.20
REGION I	2.42	2.5	3.48	2.68	2.51	2.58	2.61	3.7	3.00	3.00	5.94	5.04	6.74	4.86	4.21	2.37	2.21	2.76	1.92	1.60

2021 RANKING OF PROVINCES AND CITIES

**2021 RANKING OF PROVINCES IN THE REGION WITH HIGHEST PREVALENCE OF
COMBINED UNDERWEIGHT AND SEVERELY UNDERWEIGHT PRESCHOOL CHILDREN**

Rank	Province	Total No. of PS Weighed 0-59 mos.	OPT Coverage	Combined UW and SUW	% Combined UW & SUW
1	Ilocos Norte	26,938	75.14	980	3.64
2	Ilocos Sur	39,152	80.76	1,329	3.39
3	La Union	47,004	66.54	1,237	2.63
4	Pangasinan	224,352	86.67	4,144	1.85

**2021 RANKING OF PROVINCES IN THE REGION WITH HIGHEST PREVALENCE OF
COMBINED STUNTED AND SEVERELY STUNTED PRESCHOOL CHILDREN**

Rank	Province	Total No. of PS Weighed 0-59 mos.	OPT Coverage	Combined St and SSt	% Combined St and SSt
1	Ilocos Norte	26,938	75.14	2,040	7.57
2	Ilocos Sur	39,152	80.76	2,531	6.46
3	La Union	47,004	66.54	2,126	4.52
4	Pangasinan	224,352	86.67	6,807	3.03

**2021 RANKING OF PROVINCES IN THE REGION WITH HIGHEST PREVALENCE OF
COMBINED WASTED AND SEVERELY WASTED PRESCHOOL CHILDREN**

Rank	Province	Total No. of PS Weighed 0-59 mos.	OPT Coverage	Combined W and SW	% Combined W & SW
1	Ilocos Norte	26,938	75.14	553	2.05
2	Ilocos Sur	39,152	80.76	609	1.56
3	Pangasinan	224,352	86.67	3,250	1.45
4	La Union	47,004	66.54	490	1.04

**2021 RANKING OF PROVINCES IN THE REGION WITH HIGHEST PREVALENCE OF
COMBINED OVERWEIGHT AND OBESE PRESCHOOL CHILDREN**

Rank	Province	Total No. of PS Weighed 0-59 mos.	OPT Coverage	Combined OW and Ob PSC	% OW and Ob PSC
1	Ilocos Sur	39,152	80.76	1,781	4.55
2	Ilocos Norte	26,938	75.14	935	3.47
3	La Union	47,004	66.54	1,136	2.42
4	Pangasinan	224,352	86.67	5,299	2.36

2021 RANKING OF CITIES IN THE REGION WITH HIGHEST PREVALENCE OF COMBINED UNDERWEIGHT AND SEVERELY UNDERWEIGHT PRESCHOOL CHILDREN

Rank	City	Total No. of PS Weighed 0-59 mos.	OPT Coverage	Combined UW and SUW	% Combined UW & SUW
1	Dagupan City	12,633	67.16	996	7.88
2	San Carlos City	15,088	72.82	741	4.91
3	Batac City	3,326	63.51	151	4.54
4	Candon City	4,117	79.05	111	2.70
5	San Fernando City	8,689	72.20	211	2.43
6	Urdaneta City	12,363	84.64	220	1.78
7	Alaminos City	8,120	82.38	134	1.65
8	Laoag City	7,362	78.85	76	1.03
9	Vigan City	3,897	74.76	38	0.98

2021 RANKING OF CITIES IN THE REGION WITH HIGHEST PREVALENCE OF COMBINED STUNTED AND SEVERELY STUNTED PRESCHOOL CHILDREN

Rank	City	Total No. of PS Weighed 0-59 mos.	OPT Coverage	Combined St and SSt	% Combined St and SSt
1	Dagupan City	12,633	67.16	1,602	12.68
2	Batac City	3,326	63.51	329	9.89
3	San Carlos City	15,088	72.82	853	5.65
4	San Fernando City	8689	72.20	329	3.79
5	Candon City	4,117	79.05	155	3.76
6	Alaminos City	8,120	82.38	181	2.23
7	Laoag City	7,362	78.85	141	1.92
7	Vigan City	3,897	70.04	75	1.92
8	Urdaneta City	12,363	84.64	234	1.89

**2021 RANKING OF CITIES IN THE REGION WITH HIGHEST PREVALENCE OF COMBINED
WASTED AND SEVERELY WASTED PRESCHOOL CHILDREN**

Rank	City	Total No. of PS Weighed 0-59 mos.	OPT Coverage	Combined W and SW	% Combined W and SW
1	Dagupan City	12,633	67.16	820	6.49
2	San Carlos City	15,088	72.82	473	3.13
3	Batac City	3,326	63.51	69	2.07
4	San Fernando City	8689	72.20	124	1.43
5	Candon City	4,117	79.05	38	0.92
6	Urdaneta City	12,363	84.64	86	0.70
7	Alaminos City	8,120	82.38	44	0.54
8	Vigan City	3,897	74.76	8	0.21
9	Laoag City	7,362	78.85	12	0.16

**2021 RANKING OF CITIES IN THE REGION WITH HIGHEST PREVALENCE OF COMBINED
OVERWEIGHT AND OBESE PRESCHOOL CHILDREN**

Rank	City	Total No. of PS Weighed 0-59 mos.	OPT Coverage	Total Combined OW and Ob	% Combined OW and Ob
1	Dagupan City	12,633	67.16	1,187	9.40
2	Batac City	3,326	63.51	209	6.31
3	San Carlos City	15,088	72.82	716	4.75
4	Candon City	4,117	79.05	168	4.08
5	Laoag City	7,362	78.85	224	3.08
6	San Fernando City	8689	72.20	258	2.97
7	Alaminos City	8,120	82.38	180	2.22
8	Urdaneta City	12,363	84.64	189	1.53
9	Vigan City	3,897	74.76	6	0.15

2021 RANKING OF MUNICIPALITIES

**2021 TOP 10 MUNICIPALITIES IN THE REGION WITH HIGHEST PREVALENCE OF
COMBINED UNDERWEIGHT AND SEVERELY UNDERWEIGHT PRESCHOOL CHILDREN**

RANK	MUNICIPALITIES	Total No. of PSC Weighed 0-59 mos.	OPT Coverage in %	Combined UW and SUW	% Combined UW and SUW
1	Sta. Cruz, Ilocos Sur	2521	73.63	514	20.39
2	Adams, Ilocos Norte	165	109.27	16	9.70
3	Currimao, Ilocos Norte	595	58.39	39	6.55
4	Bayambang, Pangasinan	12,746	98.11	736	5.77
5	Pinili, Ilocos Norte	898	62.02	50	5.57
6	Marcos, Ilocos Norte	1,105	74.11	61	5.52
7	Urbiztondo, Pangasinan	5,624	102.05	282	5.01
8	San Juan, La Union	2,566	76.80	125	4.87
9	Galimuyod, Ilocos Sur	547	59.14	26	4.75
10	Piddig, Ilocos Norte	1,263	69.97	60	4.75

**2021 TOP 10 MUNICIPALITIES IN THE REGION WITH HIGHEST PREVALENCE OF
COMBINED STUNTED AND SEVERELY STUNTED PRESCHOOL CHILDREN**

RANK	MUNICIPALITIES	Total No. of PSC Weighed 0-59 mos.	OPT Coverage in %	Combined St and SSt	% Combined St and SSt
1	Sta. Cruz, Ilocos Sur	2,521	73.63	656	26.02
2	Sugpon, Ilocos Sur	252	63.96	43	17.06
3	Adams, Ilocos Norte	165	109.27	26	15.76
4	Pinili, Ilocos Norte	898	62.02	136	15.14
5	Sigay, Ilocos Sur	156	66.10	21	13.46
6	Currimao, Ilocos Norte	595	58.39	78	13.11
7	Gregorio Del Pilar, Ilocos Sur	259	77.08	33	12.74
8	Paoay, Ilocos Norte	1,302	62.30	164	12.60
9	Burgos, La Union	605	83.33	74	12.33
10	San Emilio, Ilocos Sur	409	64.31	50	12.22

**2021 TOP 10 MUNICIPALITIES IN THE REGION WITH HIGHEST PREVALENCE OF
COMBINED WASTED AND SEVERELY WASTED PRESCHOOL CHILDREN**

RANK	MUNICIPALITIES	Total No. of PSC Weighed 0-59 mos.	OPT Coverage in %	Combined W and SW	% Combined W and SW
1	San Emilio, Ilocos Sur	409	64.31	50	12.22
2	Adams, Ilocos Norte	165	109.27	9	5.45
3	Sta. Cruz, Ilocos Sur	2,521	73.63	132	5.24
4	Currimao, Ilocos Norte	595	58.39	31	5.21
5	Laoac, Pangasinan	3,009	86.97	155	5.15
6	Natividad, Pangasinan	1,654	61.98	81	4.90
7	Tayug, Pangasinan	3,143	66.28	139	4.42
8	Pinili, Ilocos Norte	898	62.02	36	4.01
8	Mangatarem, Pangasinan	7,260	90.22	291	4.01
10	San Juan, Ilocos Sur	1,445	63.74	57	3.94

**2021 TOP 10 MUNICIPALITIES IN THE REGION WITH HIGHEST PREVALENCE OF
COMBINED OVERWEIGHT AND OBESE PRESCHOOL CHILDREN**

RANK	MUNICIPALITIES	Total No. of PSC Weighed 0-59 mos.	OPT Coverage in %	Combined OW and Ob	% Combined OW and Ob
1	Lidlidda, Ilocos Sur	228	57.14	28	12.28
2	Sta. Cruz, Ilocos Sur	2,521	73.63	309	12.26
3	Laoac, Pangasinan	3,009	86.97	311	10.34
4	Sigay, Ilocos Sur	156	66.10	16	10.26
5	Alilem, Ilocos Sur	419	65.26	40	9.55
6	Mangaldan, Pangasinan	9,391	80.41	875	9.32
7	San Emilio, Ilocos Sur	409	64.31	38	9.29
8	Natividad, Pangasinan	1,654	61.98	152	9.20
9	Tayug, Pangasinan	3,143	66.28	288	9.16
10	San Quintin, Pangasinan	2,626	72.56	235	8.95

WEIGHT-FOR-AGE

Republic of the Philippines
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OPT Plus Form 4A. Regional Summary Report on Operation Timbang Plus

Revised February 2012 Page 1 of 3

Region I	Year/Period of Measurement: January to March 2021	Estimated No. of PS: 570,698 0-59 months old 2/
Total No. of	Prov 4 City 9 Mun 136	Actual No of PS measured: 413,411 0-59 months old
Total No. with OPT Plus Results:	Prov 4 City 9 Mun 136	Percent OPT Plus Coverage: 72.43 0-59 months old
Percent OPT Plus Coverage:	Prov 100 City 100 Mun 100	No. of Indigenous PS measured: 14793 0-59 months old
Prevalence Rate UW & SUW/ 2.68%	CY 2021	Prevalence Rate of UW & SUW: 2.51 0-59 months old

Age Group	Weight for Age Status										Total, by age group									
	Normal (N)		Underweight (UW)		Sev Underweight (SUW)		Overweight (OW)		TOTAL		Total N		Total UW		Total SUW		Total OW			
	Boys (2)	Girls (3)	Boys (4)	Girls (5)	Boys (6)	Girls (7)	Boys (8)	Girls (9)	Boys (10)	Girls (11)	Total (12)	No (13)	Prev (14)	No (15)	Prev (16)	No (17)	Prev (18)	No (19)	Prev (20)	
0-5 months (R1)	17,102	16,039	132	104	72	66	545	471	17,851	16,680	34,531	33,141	95.97	236	0.68	138	0.40	1,016	2.94	
6-11 months (R2)	15,810	15,044	316	200	116	86	271	194	16,513	15,524	32,037	30,854	96.31	516	1.61	202	0.63	465	1.45	
12-23 months (R3)	40,563	37,240	970	730	450	357	1,110	954	43,093	39,281	82,374	77,803	94.45	1,700	2.06	807	0.98	2,064	2.51	
24-35 months (R4)	40,846	37,954	1,012	815	237	200	759	664	42,854	39,633	82,487	78,800	95.53	1,827	2.21	437	0.53	1,423	1.73	
36-47 months (R5)	43,048	39,275	910	932	251	233	872	610	45,081	41,050	86,131	82,323	95.58	1,842	2.14	484	0.56	1,482	1.72	
48-59 months (R6)	47,796	44,377	887	880	203	209	946	553	49,832	46,019	95,851	92,173	96.16	1,767	1.84	412	0.43	1,499	1.56	
Total (R8)	205,165	189,929	4,227	3,661	1,329	1,151	4,503	3,446	215,224	198,187	413,411	395,094	95.57	7,888	1.91	2,480	0.60	7,949	1.92	
0-59 mos																				
Prev (R9)																				
0-59 mos	49.63	45.94	1.02	0.89	0.32	0.28	1.09	0.83	52.06	47.94		95.57		1.91		0.60		1.92		

Note: a) R1 means Row No. 1, R2 means Row 2, etc. b) Total (R8) - refers to the sum of preschoolers by nutritional status and by age group c) Prev (R9) - refers to the prevalence rate by sex, by nutritional status for age group 0-59 months and 0-71 months
d) Prev (C22,24,26,28) - refers to the prevalence rate by total by age group 1/ Refers to previous year prevalence rate of the area 2/ 0-59 months = 0.10714 x Total Population

Prepared by:
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Nutrition Officer I
Date: **1-8-2012**

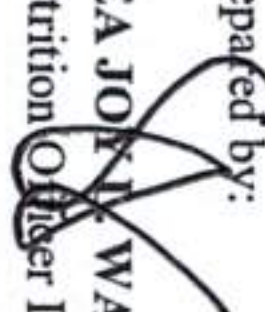
Reviewed and Approved by:
MR. KENDALL P. GRIM A. GATAN
OIC - Regional Nutrition Program Coordinator
Date: **1-8-12**

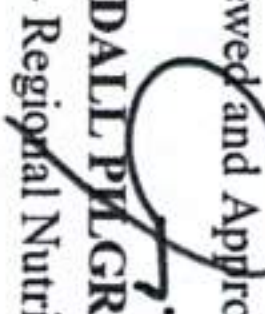
Noted by:
DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee
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Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY PROVINCE/CITY: WEIGHT FOR AGE

REGION I Province/City	Total Population	Estimated # of Children under 5	Total No. of PS Weighed 59 mos.	OPT Coverage	WEIGHT FOR AGE																		Rank	Combined UW SUW	% Combine d UW & SUW	Rank						
					Nutritional Status Categories																											
					Normal						Underweight						Severely Underweight										Overweight					
					Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%												
Ilocos Norte	442,453	35,849	26,938	75.14	12,992	12,193	25,185	93.49	439	379	818	3.04	82	80	162	0.60	434	339	773	2.87	2	980	3.64	1								
Ilocos Sur	600,674	48,479	39,152	80.76	18,819	17,485	36,304	92.73	441	384	825	2.11	275	229	504	1.29	857	684	1,541	3.94	1	1,329	3.39	2								
La Union	705,988	70,644	47,004	66.54	23,396	21,688	45,084	95.92	567	521	1,088	2.31	85	64	149	0.32	404	279	683	1.45	3	1,237	2.63	3								
Pangasinan	2,524,737	258,861	224,352	86.67	113,137	104,137	217,274	96.85	1,761	1,442	3,203	1.43	510	431	941	0.42	1,638	1,296	2,934	1.31	4	4,144	1.85	4								
							0																									
Alaminos City	95,291	9,857	8,120	82.38	4,074	3,770	7,844	96.60	52	42	94	1.16	15	25	40	0.49	81	61	142	1.75	6	134	1.65	7								
Batac City	57,412	5,237	3,326	63.51	1565	1480	3,045	91.55	67	64	131	3.94	8	12	20	0.60	84	46	130	3.91	2	151	4.54	3								
Candon City	61,432	5,208	4,117	79.05	2195	2076	4,271	103.74	40	58	98	2.38	7	6	13	0.32	50	32	82	1.99	5	111	2.70	4								
Dagupan City	181,929	18,811	12,633	67.16	5550	5457	11,007	87.13	363	313	676	5.35	172	148	320	2.53	359	271	630	4.99	1	996	7.88	1								
Laoag City	111,651	9,337	7,362	78.85	3,790	3,369	7,159	97.24	33	37	70	0.95	3	3	6	0.08	78	49	127	1.73	7	76	1.03	8								
San Carlos City	205,424	20,720	15,088	72.82	7,046	6,723	13,769	91.26	289	243	532	3.53	108	101	209	1.39	325	253	578	3.83	3	741	4.91	2								
San Fernando City	128,997	12034	8689	72.20	4299	3989	8,288	95.38	83	87	170	1.96	24	17	41	0.47	107	83	190	2.19	4	211	2.43	5								
Urdaneta City	141,215	14,606	12,363	84.64	6,268	5,732	12,000	97.06	79	79	158	1.28	33	29	62	0.50	82	61	143	1.16	8	220	1.78	6								
Vigan City	53,935	5,213	3,897	74.76	2,033	1,817	3,850	98.79	13	12	25	0.64	7	6	13	0.33	6	3	9	0.23	9	38	0.98	9								
TOTAL	5,311,138	514,856	413,041	80.22	205,164	189,916	395,080	95.65	4,227	3,661	7,888	1.91	1,329	1,151	2,480	0.60	4,505	3,457	7,962	1.93		10,368	2.51									

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Noted by:

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Regional Director, DOH-ROI &
Chairperson, Regional Nutrition Committee
Date: _____

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Department of Health
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OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 1 of 4

Region : I

Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021
Indigenous Group/s: Yapayaos, Isneg, Tingigians, Kankanaey
Number of Indigenous PS measured: 0-59 mos old 14793

Please check:

☒ Normal Weight-for-Age

☐ Normal Length/Height-for-Age

☐ Normal Weight-for-Length/Height

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children															Total Normal Measured
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months					
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls				
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)			
Ilocos Norte	35,849	26,938	75.14	1103	976	1036	1067	2581	2428	2707	2525	2821	2626	2744	2571	25185			
Ilocos Sur	48,479	39,152	80.76	1465	1390	1406	1362	4207	3853	3709	3467	4036	3604	3996	3809	36304			
La Union	70,644	47,004	66.54	2193	2118	2057	1898	4908	4417	4604	4337	4739	4462	4895	4456	45084			
Pangasinan	258,861	224,352	86.67	9072	8436	8131	7801	21343	19572	22498	20569	23705	21621	28388	26138	217274			
Alaminos City	9,857	8,120	82.38	411	351	321	311	788	775	802	801	817	745	935	787	7844			
Batac City	5,237	3,326	63.51	140	137	132	132	322	343	339	277	336	288	296	303	3045			
Candon City	5,208	4,117	79.05	197	209	222	188	430	356	431	430	446	456	469	437	4271			
Dagupan City	18,811	12,633	67.16	474	506	530	478	1105	1054	1089	1106	1197	1053	1155	1260	11007			
Laoag City	9,337	7,362	78.85	271	241	332	274	768	692	797	725	796	679	826	758	7159			
San Carlos City	20,720	15,088	72.82	598	534	554	572	1465	1388	1379	1410	1574	1433	1476	1386	13769			
San Fernando City	12034	8689	72.20	379	396	391	360	927	838	850	805	902	749	850	841	8288			
Urdaneta City	14,606	12,363	84.64	585	579	528	453	1334	1172	1225	1128	1268	1171	1328	1229	12000			
Vigan City	5,213	3,897	74.76	214	166	170	147	404	366	401	351	406	386	438	401	3850			
TOTAL	514,856	413,041	80.22	17,102	16,039	15,810	15,043	40,582	37,254	40,831	37,931	43,043	39,273	47,796	44,376	395,080			

Prepared by:
REA JOY L. WAKAT
Nutrition Officer I

Reviewed and Approved by:
MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-2022

Date: 2-8-22

Noted by:
DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 2 of 4

Region : 1

Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021

Indigenous Group/s: Yapayaos, Isneg, Tinggians, Kankanaey

Number of Indigenous PS measured: 0-59 mos old 14793

Please check: ☒ Underweight Weight-for-Age

☐ Stunted Length/Height-for-Age

☐ Wasted Weight-for-Length/Height

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children												Total UW Measured
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Ilocos Norte	35,849	26,938	75.14	17	16	28	22	92	81	107	83	95	87	100	90	818
Ilocos Sur	48,479	39,152	80.76	6	9	27	6	120	98	95	83	92	95	96	90	817
La Union	70,644	47,004	66.54	9	7	34	25	114	89	146	130	124	147	140	123	1088
Pangasinan	258,861	224,352	86.67	55	38	142	94	407	287	418	324	380	371	359	328	3203
Alaminos City	9,857	8,120	82.38	3	3	6	4	21	13	7	8	7	8	8	6	94
Batac City	5,237	3,326	63.51	2	4	7	3	16	9	11	14	16	17	15	17	131
Candon City	5,208	4,117	79.05	0	2	1	1	6	9	14	9	6	8	13	29	98
Dagupan City	18,811	12,633	67.16	14	7	30	16	87	50	90	72	78	77	64	91	676
Laoag City	9,337	7,362	78.85	1	3	3	0	7	7	9	11	9	7	4	9	70
San Carlos City	20,720	15,088	72.82	19	12	34	25	75	64	57	36	49	59	55	47	532
San Fernando City	12034	8689	72.20	6	1	4	3	15	13	23	21	21	21	14	28	170
Urdaneta City	14,606	12,363	84.64	0	2	0	1	10	10	26	17	29	32	14	17	158
Vigan City	5,213	3,897	74.76	0	0	0	0	1	2	5	4	3	2	4	4	25
TOTAL	514,856	413,041	80.22	132	104	316	200	971	732	1,008	812	909	931	886	879	7,880

Prepared by:

Reviewed and Approved by:

Noted by:

REA JOY L. WAKAT
Nutrition Officer I

MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

DIR. PAULA PALM M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-ROI & Chairperson, Regional Nutrition Committee

Date: 2-8-2022

Date: 2-8-22

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 3 of 4

Region : 1

Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021

Indigenous Group/s: Yapayaos, Isneg, Tinggians, Kankanaey

Number of Indigenous PS measured: 0-59 mos old 14793

Please check: ☒ Severely Underweight Weight-for-Age ☐ Severely Stunted Length/Height-for-Age ☐ Severely Wasted Weight-for-Length/Height

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children												Total SUW Measured
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Ilocos Norte	35,849	26,938	75.14	7	11	6	5	17	22	17	17	15	12	20	13	162
Ilocos Sur	48,479	39,152	80.76	4	2	6	2	155	128	22	18	44	39	39	31	490
La Union	70,644	47,004	66.54	4	4	6	4	17	8	21	13	16	18	21	17	149
Pangasinan	258,861	224,352	86.67	32	24	64	51	167	120	88	68	94	77	65	91	941
Alaminos City	9,857	8,120	82.38	0	7	2	4	2	3	4	7	6	2	1	2	40
Batac City	5,237	3,326	63.51	0	1	0	1	3	3	2	2	3	4	0	1	20
Candon City	5,208	4,117	79.05	0	1	0	0	2	0	1	1	1	1	3	3	13
Dagupan City	18,811	12,633	67.16	10	7	19	7	42	35	35	32	38	38	28	29	320
Laoag City	9,337	7,362	78.85	1	0	0	0	1	0	0	1	0	0	1	2	6
San Carlos City	20,720	15,088	72.82	9	8	11	11	33	33	21	19	21	23	13	7	209
San Fernando City	12034	8689	72.20	4	1	0	1	5	8	5	1	4	4	6	2	41
Urdaneta City	14,606	12,363	84.64	1	0	2	0	7	1	11	9	8	11	4	8	62
Vigan City	5,213	3,897	74.76	0	0	0	0	3	1	1	2	1	3	2	0	13
TOTAL	514,856	413,041	80.22	72	66	116	86	454	362	228	190	251	232	203	206	2,466

Prepared by:
REA JOHID WAKAT
Nutrition Officer I

Date: 2-8-2022

Reviewed and Approved by:
MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-22

Noted by:
DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-ROI &
Chairperson, Regional Nutrition Committee

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

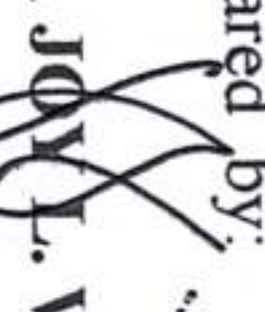
OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 3 of 4
Region : I

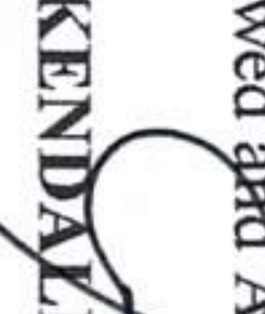
Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021
Indigenous Group/s: Yapayao, Isneg, Tinggians, Kankanaey
Number of Indigenous PS measured: 0-59 mos old 14793

Please check: ☒ **Overweight Weight-for-Age** ☐ **Tall Length/Height-for-Age** ☐ **Overweight Weight-for-Length/Height** ☐ **Obese Weight-for-Length/Height**

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children												Total OW Measured
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Ilocos Norte	35,849	26,938	75.14	55	53	41	18	74	40	64	79	106	79	94	70	773
Ilocos Sur	48,479	39,152	80.76	58	33	27	18	445	421	109	89	97	58	121	65	1541
La Union	70,644	47,004	66.54	24	29	25	10	55	32	66	64	107	87	127	57	683
Pangasinan	258,861	224,352	86.67	254	230	100	84	342	298	293	242	316	224	333	218	2934
Alaminos City	9,857	8,120	82.38	9	13	3	3	8	9	20	18	18	11	23	7	142
Batac City	5,237	3,326	63.51	8	4	5	5	12	5	10	6	26	18	23	8	130
Candon City	5,208	4,117	79.05	1	2	3	0	6	4	8	13	10	5	22	8	82
Dagupan City	18,811	12,633	67.16	78	49	28	25	74	78	76	49	52	35	51	35	630
Laoag City	9,337	7,362	78.85	5	4	8	1	9	3	14	11	25	11	17	19	127
San Carlos City	20,720	15,088	72.82	47	47	28	19	61	57	59	50	68	48	62	32	578
San Fernando City	12034	8689	72.20	6	4	2	9	17	15	17	19	24	18	41	18	190
Urdaneta City	14,606	12,363	84.64	1	2	1	1	9	7	22	22	18	14	31	15	143
Vigan City	5,213	3,897	74.76	0	0	0	0	0	0	0	1	5	1	1	1	9
TOTAL	514,856	413,041	80.22	546	470	271	193	1,112	969	758	663	872	609	946	553	7,962

Prepared by:

REA JOY L. WAKAT
Nutrition Officer I

Reviewed and Approved by:

MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

Noted by:

DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-ROI &
Chairperson, Regional Nutrition Committee

Date: 2-8-2022

Date: 2-8-22

Date: _____

Department of Health
NATIONAL NUTRITION COUNCIL

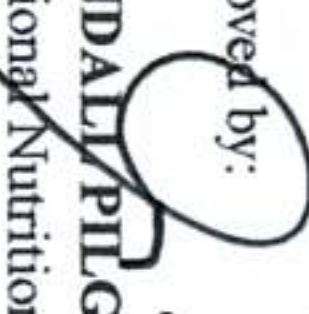
**2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: WEIGHT FOR AGE
ILOCOS NORTE**

REGION I		Total Population	Estimated # of Children under 5 years old	Total No. of PS Weighed 0-59 mos.	OPT Coverage	WEIGHT FOR AGE																		Rank	Combined UW & SUW	% Combined UW & SUW	Rank		
						Nutritional Status Categories																							
ILOCOS NORTE						Normal (N)						Underweight (UW)						Severely Underweight (SUW)						Overweight (OW)					
Municipalities						Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%								
Adams	2,189	151	165	109.27%		73	72	145	87.88	8	7	15	9.09	1	0	1	0.61	2	2	4	2.42	13	16	9.70	1				
Bacarra	33,496	2709	1954	72.13%		896	869	1765	90.33	39	40	79	4.04	10	9	19	0.97	54	37	91	4.66	2	98	5.02	5				
Badoc	32,530	2657	1726	64.96%		904	754	1658	96.06	21	21	42	2.43	5	2	7	0.41	14	5	19	1.10	16	49	2.84	15				
Bangui	15,019	1232	1008	81.82%		508	465	973	96.53	11	10	21	2.08	1	1	2	0.20	7	5	12	1.19	14	23	2.28	20				
Banna	19,297	1634	1163	71.18%		561	536	1097	94.33	32	17	49	4.21	2	2	4	0.34	8	5	13	1.12	15	53	4.56	7				
Burgos	10,759	820	655	79.88%		303	308	611	93.28	7	6	13	1.98	3	2	5	0.76	11	15	26	3.97	5	18	2.75	17				
Carasi	1,607	132	104	78.79%		51	49	100	96.15	2	0	2	1.92	2	0	2	1.92	0	0	0	0.00	21	4	3.85	9				
Currimao	12,215	1019	595	58.39%		254	281	535	89.92	12	17	29	4.87	2	8	10	1.68	14	7	21	3.53	8	39	6.55	2				
Dingras	40,127	3244	2496	76.94%		1210	1117	2327	93.23	31	24	55	2.20	12	13	25	1.00	53	36	89	3.57	7	80	3.21	13				
Dumalneg	3,087	248	229	92.34%		112	110	222	96.94	2	4	6	2.62	0	0	0	0.00	0	1	1	0.44	20	6	2.62	18				
Marcos	18,010	1491	1105	74.11%		525	486	1011	91.49	35	22	57	5.16	1	3	4	0.36	18	15	33	2.99	9	61	5.52	4				
Nueva Era	11,968	797	905	113.55%		460	428	888	98.12	10	2	12	1.33	0	0	0	0.00	2	3	5	0.55	19	12	1.33	21				
Pagudpud	25,098	1995	1649	82.66%		841	732	1573	95.39	29	24	53	3.21	4	2	6	0.36	10	7	17	1.03	17	59	3.58	11				
Paoy	25,001	2090	1302	62.30%		621	587	1208	92.78	28	23	51	3.92	2	5	7	0.54	21	15	36	2.76	10	58	4.45	8				
Pasuguin	29,678	2436	2178	89.41%		1038	988	2026	93.02	25	27	52	2.39	12	10	22	1.01	44	34	78	3.58	6	74	3.40	12				
Piddig	22,475	1805	1263	69.97%		590	561	1151	91.13	22	17	39	3.09	7	14	21	1.66	35	17	52	4.12	4	60	4.75	6				
Pinit	17,626	1448	898	62.02%		417	407	824	91.76	20	26	46	5.12	4	0	4	0.45	15	9	24	2.67	12	50	5.57	3				
San Nicolas	38,895	3089	2419	78.31%		1155	1090	2245	92.81	33	25	58	2.40	7	2	9	0.37	50	57	107	4.42	3	67	2.77	16				
Sarrat	25,186	2119	1520	71.73%		720	690	1410	92.76	18	14	32	2.11	2	1	3	0.20	40	35	75	4.93	1	35	2.30	19				
Solsona	24,851	2026	1517	74.88%		731	716	1447	95.39	25	22	47	3.10	4	5	9	0.59	7	7	14	0.92	18	56	3.69	10				
Vintar	33,339	2707	2087	77.10%		1022	947	1969	94.35	29	31	60	2.87	1	1	2	0.10	29	27	56	2.68	11	62	2.97	14				
TOTAL	442,453	35,849	26,938	75.14%		12,992	12,193	25185	93.49	439	379	818	3.04	82	80	162	0.60	434	339	773	2.87	2	980	3.64	1				
Batac City	57,412	5237	3326	63.51%		1565	1480	3045	91.55	67	64	131	3.94	8	12	20	0.60	84	46	130	3.91	2	151	4.54	3				
Laong City	111,651	9337	7362	78.85%		3790	3369	7159	97.24	33	37	70	0.95	3	3	6	0.08	78	49	127	1.73	7	76	1.03	8				

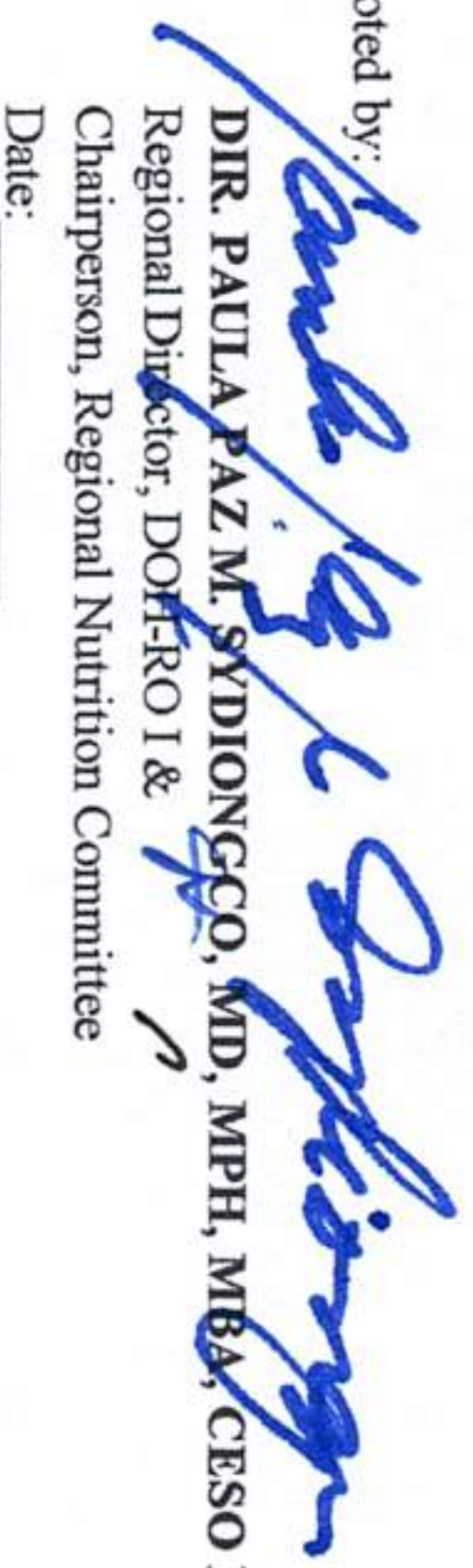
Prepared by:

REA J. L. WAKAT
Nutrition Officer I

Date: 2-8-2012

Reviewed and Approved by:

MR. KENDAL PILGRIM A. GATÁN
OIC - Regional Nutrition Program Coordinator

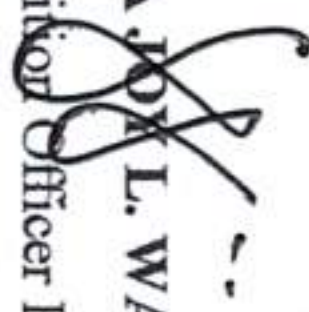
Date: 2-8-22

Noted by:

DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOI-ROI &
Chairperson, Regional Nutrition Committee

Date: _____

Department of Health
NATIONAL NUTRITION COUNCIL
2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: WEIGHT FOR AGE
ILOCOS SUR

REGION I ILOCOS SUR Municipalities	Total Population	Estimated # of Children under 5 years old	Total No. of PS Weighted 0-59 mos.	OPT Coverage	WEIGHT FOR AGE																Rank	Combined UW & SUW	% Combined UW & SUW	Rank	
					Nutritional Status Categories																				
					Normal (N)				Underweight (UW)				Severely Underweight (SUW)				Overweight (OW)								
					Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%					
Alliem	6,992	642	419	65.26	218	163	381	90.93	9	6	15	3.58	1	1	2	0.48	11	10	21	5.01	3		17	4.06	5
Banayoyo	8,092	668	492	73.65	246	209	455	92.48	1	2	3	0.61	8	9	17	3.46	8	9	17	3.46	11		20	4.07	4
Bantay	37,316	3071	3025	98.50	1578	1381	2,959	97.82	24	22	46	1.52	0	1	1	0.03	13	6	19	0.63	28		47	1.55	25
Burgos	12,766	1049	824	78.55	421	350	771	93.57	17	9	26	3.16	6	1	7	0.85	10	10	20	2.43	18		33	4.00	6
Cabugao	39,164	3407	2291	67.24	1157	1017	2,174	94.89	35	32	67	2.92	9	3	12	0.52	26	12	38	1.66	20		79	3.45	7
Caocayan	20,742	1707	1906	111.66	960	890	1,850	97.06	15	12	27	1.42	2	1	3	0.16	18	8	26	1.36	23		30	1.57	24
Cervantes	17,974	971	1517	156.23	747	725	1,472	97.03	11	18	29	1.91	4	1	5	0.33	5	6	11	0.73	27		34	2.24	16
Galimuyod	11,225	925	547	59.14	254	246	500	91.41	8	14	22	4.02	3	1	4	0.73	11	10	21	3.84	9		26	4.75	2
Gregorio Del Pilar	5,091	336	259	77.08	122	123	245	94.59	0	6	6	2.32	0	0	0	0.00	4	4	8	3.09	15		6	2.32	14
Lidlida	4,853	399	228	57.14	96	110	206	90.35	1	3	4	1.75	0	0	0	0.00	13	5	18	7.89	2		4	1.75	23
Magsingal	32,158	2647	3163	119.49	1602	1535	3,137	99.18	17	6	23	0.73	0	0	0	0.00	1	2	3	0.09	31		23	0.73	28
Nagbukel	5,493	455	394	86.59	210	173	383	97.21	6	2	8	2.03	0	0	0	0.00	2	1	3	0.76	26		8	2.03	19
Narvacan	45,958	3785	2769	73.16	1408	1333	2,741	98.99	5	7	12	0.43	0	0	0	0.00	10	6	16	0.58	29		12	0.43	29
Quirino	8,954	433	635	146.65	316	296	612	96.38	6	6	12	1.89	1	1	2	0.31	5	4	9	1.42	22		14	2.20	18
Salcedo	11,789	971	588	60.56	307	265	572	97.28	4	5	9	1.53	0	0	0	0.00	6	1	7	1.19	25		9	1.53	26
San Emilio	7,736	636	409	64.31	197	181	378	92.42	7	3	10	2.44	1	0	1	0.24	13	7	20	4.89	4		11	2.69	11
San Esteban	8,719	503	503	100.00	234	236	470	93.44	5	5	10	1.99	3	1	4	0.80	16	3	19	3.78	10		14	2.78	9
San Ildefonso	8,133	577	530	91.85	251	245	496	93.58	7	5	12	2.26	0	0	0	0.00	15	7	22	4.15	6		12	2.26	15
San Juan	27,582	2267	1445	63.74	703	644	1,347	93.22	13	10	23	1.59	4	1	5	0.35	40	30	70	4.84	5		28	1.94	21
San Vicente	13,323	1095	1120	102.28	571	479	1,050	93.75	10	13	23	2.05	2	0	2	0.18	23	22	45	4.02	7		25	2.23	17
Santa	16,021	1320	1002	75.91	515	472	987	98.50	3	8	11	1.10	0	1	1	0.10	2	1	3	0.30	30		12	1.20	27
Santiago	14,563	1197	1138	95.07	580	543	1,123	98.68	1	0	1	0.09	0	0	0	0.00	11	3	14	1.23	24		1	0.09	30
Sigay	41,635	3424	156	4.56	74	74	148	94.87	2	1	3	1.92	0	0	0	0.00	3	2	5	3.21	13		3	1.92	22
Sinit	26,529	2183	1559	71.42	733	701	1,434	91.98	40	23	63	4.04	3	5	8	0.51	35	19	54	3.46	11		71	4.55	3
Sta. Catalina	31,667	2605	1096	42.07	496	538	1,034	94.34	17	9	26	2.37	1	1	2	0.18	20	14	34	3.10	14		28	2.55	12
Sta. Cruz	19,591	3424	2521	73.63	617	637	1,254	49.74	68	62	130	5.16	207	177	384	15.23	382	371	753	29.87	1		514	20.39	1
Sta. Lucia	29,216	2403	1445	60.13	683	682	1,365	94.46	21	9	30	2.08	3	3	6	0.42	28	16	44	3.04	16		36	2.49	13
Sta. Maria	2,858	236	1623	687.71	717	797	1,514	93.28	12	22	34	2.09	3	8	11	0.68	34	30	64	3.94	8		45	2.77	10
Sto. Domingo	26,775	2202	1729	78.52	903	741	1,644	95.08	19	18	37	2.14	1	0	1	0.06	33	14	47	2.72	17		38	2.20	18
Sugpon	4,787	394	252	63.96	127	115	242	96.03	3	2	5	1.98	0	0	0	0.00	2	3	5	1.98	19		5	1.98	20
Suyo	11,954	984	666	67.68	332	315	647	97.15	3	4	7	1.05	0	1	1	0.15	8	3	11	1.65	21		8	1.20	27
Tagudin	41,018	3374	2901	85.98	1444	1269	2,713	93.52	46	37	83	2.86	8	3	11	0.38	49	45	94	3.24	12		94	3.24	8
TOTAL	600,674	48,479	39,152	80.76	18,819	17,485	36,304	92.73	436	381	817	2.09	270	220	490	1.25	857	684	1,541	3.94	1		1,307	3.34	2
Candon City	61,432	5,208	4,117	79.05	2,196	2,076	4,272	103.76	40	58	98	2.38	7	6	13	0.32	50	32	82	1.99	5		111	2.70	5
Vigan City	53,935	5,213	3,897	74.76	2,033	1,817	3,850	98.79	13	12	25	0.64	7	6	13	0.33	6	3	9	0.23	9		38	0.98	9

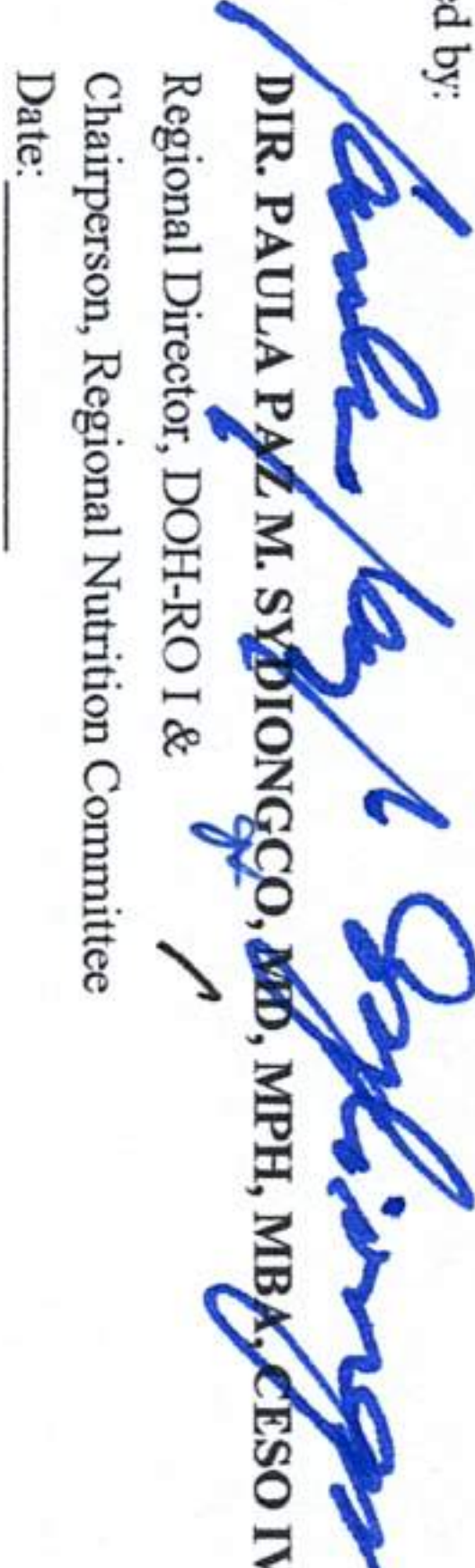
Prepared by:

REA JOY L. WAKAT
Nutrition Officer I

Date: 2-8-2022

Reviewed and Approved by:

MR. KENDALL PILGRIM A. GATÁN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-22

Noted by:

DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: WEIGHT FOR AGE
LA UNION

REGION I		Total Population	Estimated # of Children under 5 years old	Total No. of PS Weighed 0-59 mos.	OPT Coverage	WEIGHT FOR AGE																			
						Nutritional Status Categories																			
LA UNION						Normal (N)				Underweight (UW)				Severely Underweight (SUW)				Overweight (OW)				Rank	Combined UW & SUW	% Combined UW & SUW	Rank
Municipalities						Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%				
Agoo	67,635	5720	4,599	80.40		2330	2076	4406	95.80	65	57	122	2.65	3	8	11	0.24	35	25	60	1.30	11	133	2.89	6
Aringay	50,395	4163	3,430	82.39		1715	1629	3344	97.49	28	25	53	1.55	6	2	8	0.23	12	13	25	0.73	17	61	1.78	14
Bacnotan	44,682	3782	2,988	79.01		1456	1365	2821	94.41	42	41	83	2.78	2	1	3	0.10	54	27	81	2.71	1	86	2.88	7
Bagulin	14,288	1210	969	80.08		486	449	935	96.49	12	13	25	2.58	1	2	3	0.31	6	0	6	0.62	19	28	2.89	6
Balaocan	41,614	3522	2,756	78.25		1438	1224	2662	96.59	32	22	54	1.96	6	4	10	0.36	19	11	30	1.09	13	64	2.32	11
Bangar	38,170	3227	2,355	72.98		1222	1070	2292	97.32	20	26	46	1.95	0	0	0	0.00	7	10	17	0.72	18	46	1.95	13
Bauang	79,675	6735	5,246	77.89		2477	2463	4940	94.17	88	80	168	3.20	10	9	19	0.36	72	47	119	2.27	3	187	3.56	3
Burgos	8,567	726	605	83.33		315	255	570	94.21	16	10	26	4.30	2	0	2	0.33	5	2	7	1.16	12	28	4.63	2
Caba	23,403	1982	1,609	81.18		803	747	1550	96.33	18	14	32	1.99	2	0	2	0.12	13	12	25	1.55	8	34	2.11	12
Luna	38,020	3216	2,534	78.79		1309	1122	2431	95.94	38	40	78	3.08	0	2	2	0.08	12	11	23	0.91	14	80	3.16	5
Naguilian	57,578	4865	3,467	71.26		1701	1661	3362	96.97	5	2	7	0.20	20	13	33	0.95	40	25	65	1.87	5	40	1.15	16
Pugo	20,908	1771	1,179	66.57		547	587	1134	96.18	14	14	28	2.37	1	0	1	0.08	8	8	16	1.36	9	29	2.46	10
Rosario	58,891	4749	4,369	92.00		2204	2038	4242	97.09	48	36	84	1.92	6	2	8	0.18	24	11	35	0.80	16	92	2.11	12
San Gabriel	19,298	1633	1,231	75.38		605	580	1185	96.26	9	7	16	1.30	0	1	1	0.08	18	11	29	2.36	2	17	1.38	15
San Juan	39,488	3341	2,566	76.80		1200	1188	2388	93.06	52	49	101	3.94	13	11	24	0.94	22	31	53	2.07	4	125	4.87	1
Santol	13,248	1120	948	84.64		482	441	923	97.36	6	2	8	0.84	0	0	0	0.00	10	7	17	1.79	6	8	0.84	17
Sto. Tomas	41,511	3515	2,846	80.97		1480	1269	2749	96.59	31	32	63	2.21	5	4	9	0.32	16	9	25	0.88	15	72	2.53	9
Sudipen	18,111	1530	1,118	73.07		553	519	1072	95.89	12	20	32	2.86	0	0	0	0.00	7	7	14	1.25	10	32	2.86	8
Tubao	30,506	2582	2,189	84.78		1073	1005	2078	94.93	31	31	62	2.83	8	5	13	0.59	24	12	36	1.64	7	75	3.43	4
TOTAL	705,988	70,644	47,004	66.54		23,396	21,688	45084	95.92	567	521	1088	2.31	85	64	149	0.32	404	279	683	1.45	3	1,237	2.63	3
San Fernando City	128,997	12034	8689	72.20		4299	3989	8288	95.38	83	87	170	1.96	24	17	41	0.47	107	83	190	2.19	4	1,104	2.43	4

Prepared by:

REX JOY L. WAKAT
Nutrition Officer I

Date: 2-8-2022

Reviewed and Approved by:

MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-22

Noted by:

DIR. PAULA PAZ M. SYDIONG, MD, MPH, MBA, CESO IV
Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: _____

Department of Health
NATIONAL NUTRITION COUNCIL
2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: WEIGHT FOR AGE
PANGASINAN

REGION I PANGASINAN	Total Population	Estimated # of Children under 5 years old	Total No. of PS Weighed 0-59 mos.	OPT Coverage	WEIGHT FOR AGE																				Rank	Combine d UW & SUW	% Combin ed UW & SUW	Rank																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Sto. Tomas	15,586	0	887		434	402	836	94.25	12	12	24	2.71	1	1	2	0.23	11	14	25	2.82	8	26	2.93	6
Sual	37,394	3747	3,472	92.66	1751	1637	3,388	97.58	17	16	33	0.95	1	1	2	0.06	24	25	49	1.41	16	35	1.01	31
Tayug	46,486	4742	3,143	66.28	1395	1475	2,870	91.31	64	39	103	3.28	22	17	39	1.24	72	59	131	4.17	5	142	4.52	4
Umingan	79,447	8050	6,262	77.79	3098	2856	5,954	95.08	92	70	162	2.59	22	14	36	0.57	61	49	110	1.76	12	198	3.16	5
Urbizondo	52,398	5511	5,624	102.05	2739	2556	5,295	94.15	111	92	203	3.61	43	36	79	1.40	25	22	47	0.84	20	282	5.01	2
Villasis	65,492	6850	6,056	88.41	3327	2676	6,003	99.12	16	16	32	0.53	4	7	11	0.18	5	5	10	0.17	32	43	0.71	36
TOTAL	2,524,737	258,861	224,352	86.67	113,137	104,137	217,274	96.85	1,761	1,442	3,203	1.43	510	431	941	0.42	1,638	1,296	2,934	1.31	4	4,144	1.85	4
Alaminos City	95,291	9857	8,120	82.38	4074	3770	7,844	96.60	52	42	94	1.16	15	25	40	0.49	81	61	142	1.75	6	134	1.65	7
Dagupan City	181,929	18811	12,633	67.16	5550	5457	11,007	87.13	363	313	676	5.35	172	148	320	2.53	359	271	630	4.99	1	996	7.88	1
San Carlos City	205,424	20720	15,088	72.82	7046	6723	13,769	91.26	289	243	532	3.53	108	101	209	1.39	325	253	578	3.83	3	741	4.91	2
Urdaneta City	141,215	14606	12,363	84.64	6268	5732	12,000	97.06	79	79	158	1.28	33	29	62	0.50	82	61	143	1.16	8	220	1.78	6

Prepared by:

REA JOY L. WAKAT
Nutrition Officer I

Date: 2-8-2022

Reviewed and Approved by:

MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-22

Noted by:

DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: _____

HEIGHT-FOR-AGE

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4A. Regional Summary Report on Operation Timbang Plus

Revised February 2012 Page 2 of 3

Region I
Total No. of
Total No. with OPT Plus Results:
Percent OPT Plus Coverage:
Prevalence Rate S & SSt1/: 4.86

Prov 4 City 9 Mun 136
Prov 4 City 9 Mun 136
Prov 100 City 100 Mun 100

Year/Period of Measurement: January to March 2020
Total Population of Region/Source: PSA
Indigenous Group: Yapayao, Isneg, Tinggians, Kankanaey

Estimated No. of PS:
Actual No of PS measured:
Percent OPT Plus Coverage:
No. of Indigenous PS measured:

570698 0-59 months old 2/
413411 0-59 months old
72.43 0-59 months old
14793 0-59 months old

CY 2021 Prevalence Rate of S & SS: **4.21** 0-59 months old

Age Group	Height for Age Status										Total, by age group									
	Normal (N)		Stunted (S)		Sev Stunted (SS)		Tall (T)		TOTAL		Total N		Total S		Total SS		Total Tall			
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	No	Prev	No	Prev	No	Prev	No	Prev		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
0-5 months (R1)	16,404	15,265	260	215	150	126	1,038	1,077	17,852	16,683	34,535	31,669	91.70	475	1.38	276	0.80	2,115	6.12	
6-11 months (R2)	15,241	14,334	478	336	199	170	587	663	16,505	15,503	32,008	29,575	92.40	814	2.54	369	1.15	1,250	3.91	
12-23 months (R3)	38,384	35,381	1,703	1,231	911	700	2,124	2,003	43,122	39,315	82,437	73,765	89.48	2,934	3.56	1,611	1.95	4,127	5.01	
24-35 months (R4)	39,727	37,011	1,635	1,229	447	371	1,059	1,024	42,868	39,635	82,503	76,738	93.01	2,864	3.47	818	0.99	2,083	2.52	
36-47 months (R5)	42,454	38,701	1,542	1,397	414	369	675	576	45,085	41,043	86,128	81,155	94.23	2,939	3.41	783	0.91	1,251	1.45	
48-59 months (R6)	47,569	43,889	1,408	1,401	388	342	474	375	49,839	46,007	95,846	91,458	95.42	2,809	2.93	730	0.76	849	0.89	
Total (R8) 0-59 mos	199,779	184,581	7,026	5,809	2,509	2,078	5,957	5,718	215,271	198,186	413,457	384,360	92.96	12,835	3.10	4,587	1.11	11,675	2.82	
Prev (R9) 0-59 mos	48.32	44.64	1.70	1.40	0.61	0.50	1.44	1.38	52.07	47.93		92.96		3.10		1.11		2.82		

Note: a) R1 means Row No. 1, R2 means Row 2, etc. b) Total (R8) - refers to the sum of preschoolers by nutritional status and by age group c) Prev (R9) - refers to the prevalence rate by sex, by nutritional status for age group 0- 59 months and 0- 71 months
d) Prev (C22,24,26,28) - refers to the prevalence rate by total by age group 1/ Refers to previous year prevalence rate of the area 2/ 0-59 months = 0.10714 x Total Population

Prepared by:
REA JOY L. WAKAT
Nutrition Officer I

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OIC - Regional Nutrition Program Coordinator

Noted by:
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Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: 2-8-2022

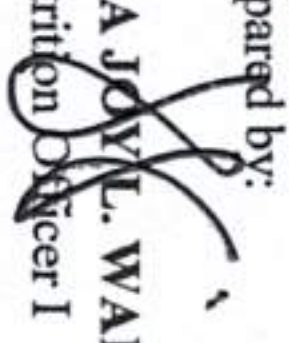
Date: 2-8-22

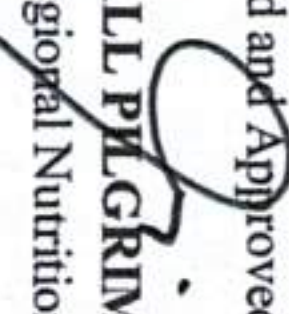
Date:

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY PROVINCE/CITY: HEIGHT FOR AGE

REGION I	Province/City	Total Population	Estimated # of Children under 5 years old	Total No. of PS Taken Height 0-59 mos.	OPT Coverage	HEIGHT FOR AGE																		Combined St & Sst	% Combined St & Sst	Rank						
						Nutritional Status Categories																										
						Normal (N)						Stunted (St)						Severely Stunted (Sst)									Tall (T)					
						Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%											
Ilocos Norte		442,453	35,849	26,938	75.14	12,529	11,743	24,272	90.10	886	744	1,630	6.05	216	194	410	1.52	316	310	626	2.32	2,040	7.57	1								
Ilocos Sur		600,674	48,479	39,152	80.76	17,957	16,732	34,689	88.60	965	742	1,707	4.36	448	376	824	2.10	1,022	928	1,950	4.98	2,531	6.46	2								
La Union		705,988	70,644	47,004	66.54	22,974	21,320	44,294	94.23	989	837	1,826	3.88	174	126	300	0.64	315	269	584	1.24	2,126	4.52	3								
Pangasinan		2,524,737	258,861	224,352	86.67	109,885	100,879	210,764	93.94	2,718	2,220	4,938	2.20	1,042	827	1,869	0.83	3,401	3,380	6,781	3.02	6,807	3.03	4								
Alaminos City		95,291	9,857	8,120	82.38	4,042	3,732	7,774	95.74	61	63	124	1.53	32	25	57	0.70	87	78	165	2.03	181	2.23	6								
Batac City		57,412	5,237	3,326	63.51	1,515	1,424	2,939	88.36	149	127	276	8.30	31	22	53	1.59	29	29	58	1.74	329	9.89	2								
Candon City		61,432	5,208	4,117	79.05	2,241	2,074	4,315	104.81	61	64	125	3.04	19	11	30	0.73	18	22	40	0.97	155	3.76	5								
Dagupan City		181,929	18,811	12,633	67.16	5254	5144	10,398	82.31	576	456	1,032	8.17	293	277	570	4.51	321	312	633	5.01	1,602	12.68	1								
Laang City		111,651	9,337	7,362	78.85	3,813	3,375	7,188	97.64	66	66	132	1.79	6	3	9	0.12	19	14	33	0.45	141	1.92	7								
San Carlos City		205,424	20,720	15,088	72.82	6,993	6,672	13,665	90.57	325	258	583	3.86	144	126	270	1.79	306	264	570	3.78	853	5.65	3								
San Fernando City		128,997	12,034	8,689	72.20	4299	3973	8,272	95.20	125	117	242	2.79	42	45	87	1.00	47	41	88	1.01	329	3.79	4								
Urdaneta City		141,215	14,606	12,363	84.64	6,280	5,735	12,015	97.19	82	87	169	1.37	37	28	65	0.53	63	51	114	0.92	234	1.89	9								
Vigan City		53,935	5,213	3,897	74.76	1,997	1,778	3,775	96.87	27	25	52	1.33	14	9	23	0.59	21	26	47	1.21	75	1.92	8								
TOTAL		5,311,138	514,856	413,041	80.22	199,779	184,581	384,360	93.06	7,030	5,806	12,836	3.11	2,498	2,069	4,567	1.11	5,965	5,724	11,689	2.83	17,403	4.21									

Prepared by:

REA JOYCE L. WAKAT
Nutrition Officer I
Date: 2-8-2022

Reviewed and Approved by:

KENDALL P. GRIM A. GATAN
OIC - Regional Nutrition Program Coordinator
Date: 2-8-22

Noted by:

DIR. PAUL A. PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DHO-ROI &
Chairperson, Regional Nutrition Committee
Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4 . Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 1 of 4

Region : I

Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021

Indigenous Group/s: Yapayaos, Isneg, Tingigians, Kankanaey

Number of Indigenous PS measured: 0-59 mos old

14793

Please check:

☐

Normal Weight-for-Age

Normal Length/Height-for-Age

Normal Weight-for-Length/Height

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children												Total Normal Measured
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Ilocos Norte	35,849	26,938	75.14	1041	933	990	1009	2426	2289	2602	2440	2746	2559	2724	2513	24272
Ilocos Sur	48,479	39,152	80.76	1405	1332	1362	1306	3711	3430	3571	3388	3965	3526	3943	3750	34689
La Union	70,644	47,004	66.54	2123	2057	2015	1845	4731	4276	4509	4267	4695	4445	4901	4430	44294
Pangasinan	258,861	224,352	86.67	8665	7934	7795	7371	20214	18598	21782	19928	23273	21226	28156	25822	210764
Alaminos City	9,857	8,120	82.38	394	348	319	313	779	762	791	794	824	740	935	775	7774
Batac City	5,237	3,326	63.51	132	124	129	133	310	324	316	271	334	285	294	287	2939
Candon City	5,208	4,117	79.05	194	212	210	163	447	380	446	432	452	444	492	443	4315
Dagupan City	18,811	12,633	67.16	442	444	501	448	1018	969	1035	1057	1149	1015	1109	1211	10398
Laoag City	9,337	7,362	78.85	269	243	339	275	768	681	798	729	809	681	830	766	7188
San Carlos City	20,720	15,088	72.82	569	509	511	519	1344	1321	1406	1429	1628	1471	1535	1423	13665
San Fernando City	12034	8689	72.20	376	394	383	360	913	821	852	799	900	754	875	845	8272
Urdaneta City	14,606	12,363	84.64	585	575	524	447	1333	1173	1223	1135	1274	1173	1341	1232	12015
Vigan City	5,213	3,897	74.76	209	160	163	145	390	357	396	342	405	382	434	392	3775
TOTAL	514,856	413,041	80.22	16,404	15,265	15,241	14,334	38,384	35,381	39,727	37,011	42,454	38,701	47,569	43,889	384,360

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Regional Director, DOH-ROI &

Chairperson, Regional Nutrition Committee

Date: 28-2022

Date: 2-22

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 2 of 4

Region : I

Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021

Indigenous Group/s: Y apayaos, Isneg, Tinggians, Kankanaey

Number of Indigenous PS measured: 0-59 mos old 14793

Please check:

☐

Underweight Weight-for-Age

Stunted Length/Height-for-Age

☐

Wasted Weight-for-Length/Height

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage (3)	Total Number of Children												Total St Measured	
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months			
				Boys (4)	Girls (5)	Boys (6)	Girls (7)	Boys (8)	Girls (9)	Boys (10)	Girls (11)	Boys (12)	Girls (13)	Boys (14)	Girls (15)		
(1)	(2)	(3)	(3)														(16)
Ilocos Norte	35,849	26,938	75.14	45	31	62	40	182	160	200	171	218	176	179	166		1630
Ilocos Sur	48,479	39,152	80.76	19	25	53	30	235	159	242	162	192	183	224	183		1707
La Union	70,644	47,004	66.54	15	16	52	33	219	168	239	207	238	222	226	191		1826
Pangasinan	258,861	224,352	86.67	98	75	199	156	700	467	622	452	581	522	518	548		4938
Alaminos City	9,857	8,120	82.38	3	1	4	3	10	12	15	15	12	14	17	18		124
Batac City	5,237	3,326	63.51	3	7	5	4	31	24	42	23	38	32	30	37		276
Candon City	5,208	4,117	79.05	1	1	5	5	16	13	14	14	8	14	17	17		125
Dagupan City	18,811	12,633	67.16	35	34	45	24	127	79	133	96	129	99	107	124		1032
Laoag City	9,337	7,362	78.85	5	2	3	0	12	16	18	14	16	14	12	20		132
San Carlos City	20,720	15,088	72.82	27	17	44	35	132	96	44	25	45	53	33	32		583
San Fernando City	12034	8689	72.20	8	4	3	5	27	25	35	26	32	26	20	31		242
Urdaneta City	14,606	12,363	84.64	0	2	1	1	10	8	25	15	27	36	19	25		169
Vigan City	5,213	3,897	74.76	1	0	2	0	6	4	6	7	6	5	6	9		52
TOTAL	514,856	413,041	80.22	260	215	478	336	1,707	1,231	1,635	1,227	1,542	1,396	1,408	1,401		12,836

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Regional Director, DOH-ROI &
Chairperson, Regional Nutrition Committee

Date: 2-8-2022

Date: 2-8-22

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 3 of 4

Region : 1

Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021
Indigenous Group/s: Yapayaos, Isneg, Tingigians, Kankanaey
Number of Indigenous PS measured: 0-59 mos old 14793

Please check:

☐

Severely Underweight Weight-for-Age

☐

Severely Stunted Length/Height-for-Age

☐

Severely Wasted Weight-for-Length/Height

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children												Total SSt Measured
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Ilocos Norte	35,849	26,938	75.14	12	16	25	19	56	41	44	38	43	39	36	41	410
Ilocos Sur	48,479	39,152	80.76	10	5	6	8	268	224	49	37	61	58	54	44	824
La Union	70,644	47,004	66.54	14	9	9	16	49	23	41	30	26	22	35	26	300
Pangasinan	258,861	224,352	86.67	71	56	86	78	364	267	188	149	168	145	165	132	1869
																0
Alaminos City	9,857	8,120	82.38	2	4	1	1	4	3	10	8	8	3	7	6	57
Batac City	5,237	3,326	63.51	2	3	7	1	8	5	3	3	5	6	6	4	53
Candon City	5,208	4,117	79.05	1	1	0	0	7	3	3	3	4	2	4	2	30
Dagupan City	18,811	12,633	67.16	23	18	33	16	71	74	59	50	58	59	49	60	570
Laoag City	9,337	7,362	78.85	1	0	0	0	1	0	2	2	1	0	1	1	9
San Carlos City	20,720	15,088	72.82	9	12	23	27	63	51	18	13	17	16	14	7	270
San Fernando City	12034	8689	72.20	4	2	6	4	13	12	3	13	11	6	5	8	87
Urdaneta City	14,606	12,363	84.64	1	0	2	0	5	1	10	10	11	9	8	8	65
Vigan City	5,213	3,897	74.76	0	0	1	0	6	2	3	4	1	3	3	0	23
TOTAL	514,856	413,041	80.22	150	126	199	170	915	706	433	360	414	368	387	339	4,567

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Regional Director, DOH-ROI &
Chairperson, Regional Nutrition Committee

Date: 2-8-2022

Date: 2-8-22

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 3 of 4

Region : 1

Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021

Indigenous Group/s: Yapayao, Isneg, Tinggians, Kankanaey
Number of Indigenous PS measured: 0-59 mos old 14793

Please check: ☐ Overweight Weight-for-Age ☐ Tall Length/Height-for-Age ☐ Overweight Weight-for-Height ☐ Obese Weight-for-Height

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children												Total Tall Measured
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Ilocos Norte	35,849	26,938	75.14	84	76	34	44	100	81	49	55	30	30	19	24	626
Ilocos Sur	48,479	39,152	80.76	99	72	45	44	705	679	85	82	57	31	31	20	1950
La Union	70,644	47,004	66.54	78	76	46	43	95	79	48	40	27	25	21	6	584
Pangasinan	258,861	224,352	86.67	579	663	357	425	981	945	705	674	473	400	306	273	6781
																0
Alaminos City	9,857	8,120	82.38	24	21	8	5	26	23	17	17	4	9	8	3	165
Batac City	5,237	3,326	63.51	13	12	3	3	4	7	1	2	4	4	4	1	58
Candon City	5,208	4,117	79.05	3	3	3	0	3	7	5	6	3	3	1	3	40
Dagupan City	18,811	12,633	67.16	76	73	28	38	92	95	63	56	29	30	33	20	633
Laoag City	9,337	7,362	78.85	3	3	1	0	4	5	2	3	4	2	5	1	33
San Carlos City	20,720	15,088	72.82	68	63	49	46	95	74	48	48	22	23	24	10	570
San Fernando City	12034	8689	72.20	7	2	5	4	11	16	5	8	8	6	11	5	88
Urdaneta City	14,606	12,363	84.64	1	6	4	7	12	8	26	16	11	10	9	4	114
Vigan City	5,213	3,897	74.76	4	6	4	2	6	6	2	5	3	2	2	5	47
TOTAL	514,856	413,041	80.22	1,039	1,076	587	661	2,134	2,025	1,056	1,012	675	575	474	375	11,689

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Noted by:

DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-RO1 &
Chairperson, Regional Nutrition Committee

Date: _____

**Department of Health
NATIONAL NUTRITION COUNCIL**

**2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: LENGTH/HEIGHT FOR AGE
ILOCOS NORTE**

REGION I	Total Population	Estimated # of Children under 5 years old	Total No. of PS Taken Height 0-59 mos.	OPT Coverage	LENGTH/HEIGHT FOR AGE																				Combine d St & SSt	% Combine d St & SSt	Rank																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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					Normal (N)						Stunted (St)						Severely Stunted (SSt)						Tall (T)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
					Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Noted by:

DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-ROI &
Chairperson, Regional Nutrition Committee

Date: 2-8-2022

Date: 2-8-22

Date:

Department of Health
NATIONAL NUTRITION COUNCIL

2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: LENGTH/HEIGHT FOR AGE
ILOCOS SUR

REGION I		Estimated # of Children under 5 years old	Total No. of PS Taken Height 0-59 mos.	OPT Coverage	LENGTH/HEIGHT FOR AGE																				Combined St & Sst	% Combined St & Sst	Rank
					Nutritional Status Categories																						
					Normal (N)					Stunted (St)					Severely Stunted (SS)					Tall (T)							
Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%												
Alliem	642	419	65.26	209	161	370	88.31	20	15	35	8.35	6	2	8	1.91	4	2	6	1.43	43	10.26	8					
Banayoyo	668	492	73.65	234	207	441	89.63	18	10	28	5.69	7	6	13	2.64	4	6	10	2.03	41	8.33	10					
Bantay	3071	3025	98.50	1572	1383	2,955	97.69	42	24	66	2.18	0	0	0	0.00	1	3	4	0.13	66	2.18	28					
Burgos	1049	824	78.55	428	350	778	94.42	16	11	27	3.28	7	2	9	1.09	3	7	10	1.21	36	4.37	22					
Cabugao	3407	2291	67.24	1116	976	2,092	91.31	65	58	123	5.37	12	5	17	0.74	34	25	59	2.58	140	6.11	15					
Caobayan	1707	1906	111.66	954	882	1,836	96.33	40	28	68	3.57	1	1	2	0.10	0	0	0	0.00	70	3.67	25					
Cervantes	971	1517	156.23	712	700	1,412	93.08	41	35	76	5.01	7	9	16	1.05	7	6	13	0.86	92	6.06	16					
Galimuyod	925	547	59.14	244	245	489	89.40	25	17	42	7.68	3	3	6	1.10	4	6	10	1.83	48	8.78	9					
Gregorio Del Pilar	336	259	77.08	108	112	220	84.94	13	12	25	9.65	3	5	8	3.09	2	4	6	2.32	33	12.74	4					
Lidlidda	399	228	57.14	102	107	209	91.67	6	9	15	6.58	1	2	3	1.32	1	0	1	0.44	18	7.89	12					
Magsingal	2647	3163	119.49	1514	1451	2,965	93.74	65	45	110	3.48	1	1	2	0.06	40	46	86	2.72	112	3.80	24					
Nagbukel	455	394	86.59	213	173	386	97.97	5	3	8	2.03	0	0	0	0.00	0	0	0	0.00	8	2.03	29					
Narvacan	3785	2769	73.16	1379	1314	2,693	97.26	24	18	42	1.52	0	0	0	0.00	20	14	34	1.23	42	1.52	31					
Quirino	433	635	146.65	285	269	554	87.24	33	31	64	10.08	8	4	12	1.89	2	3	5	0.79	76	11.97	6					
Salcedo	971	588	60.56	301	257	558	94.90	14	14	28	4.76	2	0	2	0.34	0	0	0	0.00	30	5.10	20					
San Emilio	636	409	64.31	160	157	317	77.51	24	14	38	9.29	9	3	12	2.93	25	17	42	10.27	50	12.22	5					
San Esteban	503	503	100.00	216	215	431	85.69	23	20	43	8.55	6	4	10	1.99	13	6	19	3.78	53	10.54	7					
San Ildefonso	577	530	91.85	252	241	493	93.02	19	12	31	5.85	0	0	0	0.00	2	4	6	1.13	31	5.85	18					
San Juan	2267	1445	63.74	683	622	1,305	90.31	41	27	68	4.71	9	8	17	1.18	27	28	55	3.81	85	5.88	17					
San Vicente	1095	1120	102.28	569	483	1,052	93.93	21	19	40	3.57	10	7	17	1.52	6	5	11	0.98	57	5.09	21					
Santa	1320	1002	75.91	516	475	991	98.90	3	6	9	0.90	0	1	1	0.10	1	0	1	0.10	10	1.00	32					
Santiago	1613	1138	70.55	544	513	1,057	92.88	11	7	18	1.58	1	0	1	0.09	36	26	62	5.45	19	1.67	30					
Sigay	236	156	66.10	63	72	135	86.54	13	5	18	11.54	3	0	3	1.92	0	0	0	0.00	21	13.46	3					
Sinait	2202	1559	70.80	737	693	1,430	91.73	60	43	103	6.61	6	6	12	0.77	8	6	14	0.90	115	7.38	13					
Sta. Catalina	1197	1096	91.56	485	533	1,018	92.88	25	12	37	3.38	4	4	8	0.73	20	13	33	3.01	45	4.11	23					
Sta. Cruz	3424	2521	73.63	303	334	637	25.27	47	49	96	3.81	300	260	560	22.21	624	604	1,228	48.71	656	26.02	1					
Sta. Lucia	2183	1445	66.19	641	639	1,280	88.58	42	36	78	5.40	5	7	12	0.83	47	28	75	5.19	90	6.23	14					
Sta. Maria	2605	1623	62.30	695	785	1,480	91.19	30	32	62	3.82	15	17	32	1.97	26	23	49	3.02	94	5.79	19					
Sta. Domingo	2403	1729	71.95	892	730	1,622	93.81	29	24	53	3.07	1	1	2	0.12	34	18	52	3.01	55	3.18	26					
Sugpon	394	252	63.96	104	99	203	80.56	21	17	38	15.08	3	2	5	1.98	4	2	6	2.38	43	17.06	2					
Suyo	984	666	67.68	329	315	644	96.70	12	6	18	2.70	0	1	1	0.15	2	1	3	0.45	19	2.85	27					
Tagudin	3374	2901	85.98	1387	1231	2,618	90.24	117	83	200	6.89	18	15	33	1.14	25	25	50	1.72	233	8.03	11					
TOTAL		48,479	39,152	80.76	17947	16724	34,671	88.55	965	742	1,707	4.36	448	376	824	2.10	1022	928	1,950	4.98	2,531	6.46	2				
Candon City		5,208	4,117	79.05	2241	2074	4,315	104.81	61	64	125	3.04	19	11	30	0.73	18	22	40	0.97	155	3.76	5				
Vigan City		5,213	3,897	74.76	1997	1778	3,775	96.87	27	25	52	1.33	14	9	23	0.59	21	26	47	1.21	75	1.92	7				

Prepared by: 

REA JOY L. WAKAT
Nutrition Officer I

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MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

Noted by:

DIR. PAULAPAZ M. SYBIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-ROI &
Chairperson, Regional Nutrition Committee

Date: 2-8-2022

Date: 2-8-22

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

2020 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: LENGTH/HEIGHT FOR AGE
LA UNION

REGION I LA UNION	Total Population	Estimated # of Children under 5 years old	Total No. of PS Taken with Height 0-59 mos.	OPT Coverage	LENGTH/HEIGHT FOR AGE																		Combined S & Sst	% Combine d S & Sst	Rank																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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					Normal (N)						Stunted (St)						Severely Stunted (Sst)									Tall (T)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Prepared by:

REA JOY L. WAKAT
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Date: 28-10-2022

Reviewed and Approved by:

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Date: 2-8-22

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Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: _____

Department of Health
NATIONAL NUTRITION COUNCIL
2020 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: LENGTH/HEIGHT FOR AGE
PANGASINAN

REGION I	PANGASINAN	Total Population	Estimated # of Children under 5 years old	Total No. of PS Taken Height 0-59 mos.	OPT Coverage	LENGTH/HEIGHT FOR AGE																		Combined S & Sst	% Combined S & Sst	Rank						
						Nutritional Status Categories																										
						Normal (N)						Stunted (St)						Severely Stunted (SSt)									Tail (T)					
						Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%											
Agno		28,723	3083	2,939	95.33	1473	1399	2,872	97.72	0	2	2	0.07	0	2	2	0.07	35	28	63	2.14	4	0.14	40								
Aguiar		43,305	4553	4,152	91.19	1895	1815	3,710	89.35	160	120	280	6.74	16	16	32	0.77	63	67	130	3.13	312	7.51	5								
Alcala		45,704	4768	4,772	100.08	2377	2190	4,567	95.70	72	46	118	2.47	14	11	25	0.52	25	37	62	1.30	143	3.00	15								
Anda		42,076	4342	3,623	83.44	1780	1683	3,463	95.58	4	6	10	0.28	4	1	5	0.14	70	75	145	4.00	15	0.41	39								
Asingan		58,714	6303	5,354	84.94	2697	2402	5,099	95.24	70	52	122	2.28	10	9	19	0.35	58	56	114	2.13	141	2.63	18								
Balungao		36,598	3419	2,880	84.24	1343	1288	2,631	91.35	31	19	50	1.74	7	5	12	0.42	84	103	187	6.49	62	2.15	22								
Bani		55,395	5521	4,218	76.40	2086	1944	4,030	95.54	41	30	71	1.68	13	8	21	0.50	49	47	96	2.28	92	2.18	21								
Basista		35,748	3621	3,761	103.87	1785	1713	3,498	93.01	53	45	98	2.61	22	10	32	0.85	61	72	133	3.54	130	3.46	13								
Bautista		34,507	3550	3,814	107.44	1894	1771	3,665	96.09	23	25	48	1.26	23	12	35	0.92	37	29	66	1.73	83	2.18	21								
Bayambang		124,916	12991	12,746	98.11	5862	5494	11,356	89.09	403	340	743	5.83	173	133	306	2.40	175	166	341	2.68	1,049	8.23	4								
Binalonan		55,982	5997	5,447	90.83	2736	2414	5,150	94.55	28	19	47	0.86	1	1	2	0.04	129	119	248	4.55	49	0.90	36								
Binnaley		87,333	9125	6,833	74.88	3496	3314	6,810	99.66	1	5	6	0.09	2	1	3	0.04	5	9	14	0.20	9	0.13	41								
Boinao		90,549	9019	7,483	82.97	3789	3324	7,113	95.06	37	26	63	0.84	4	2	6	0.08	142	159	301	4.02	69	0.92	35								
Bugallon		70,283	7398	6,092	82.35	2993	2791	5,784	94.94	65	45	110	1.81	23	14	37	0.61	80	81	161	2.64	147	2.41	19								
Burgos		25,837	2377	2,336	98.28	1209	1080	2,289	97.99	12	6	18	0.77	5	5	10	0.43	10	9	19	0.81	28	1.20	31								
Calasiao		98,899	10454	9,842	94.15	4854	4504	9,358	95.08	46	33	79	0.80	8	7	15	0.15	206	184	390	3.96	94	0.96	34								
Dasol		31,370	3196	2,858	89.42	1467	1276	2,743	95.98	34	25	59	2.06	23	8	31	1.08	11	14	25	0.87	90	3.15	14								
Infanta		25,654	2704	2,193	81.10	1098	1054	2,152	98.13	17	16	33	1.50	7	0	7	0.32	1	0	1	0.05	40	1.82	25								
Labrador		25,486	2550	1,825	71.57	894	844	1,738	95.23	18	6	24	1.32	17	11	28	1.53	17	18	35	1.92	52	2.85	16								
Laoac		33,616	3460	3,009	86.97	1348	1269	2,617	86.97	41	32	73	2.43	59	46	105	3.49	95	119	214	7.11	178	5.92	9								
Lingayen		107,523	11345	8,345	73.56	4138	3920	8,058	96.56	33	33	66	0.79	42	23	65	0.78	71	85	156	1.87	131	1.57	29								
Mabini		25,379	2721	2,490	91.51	1263	1116	2,379	95.54	36	20	56	2.25	0	0	0	0.00	28	27	55	2.21	56	2.25	20								
Malasiqui		136,847	13975	13,361	95.61	6540	5746	12,286	91.95	33	36	69	0.52	4	6	10	0.07	522	474	996	7.45	79	0.59	38								
Manaoag		74,710	7635	6,570	86.05	3207	3002	6,209	94.51	79	76	155	2.36	47	40	87	1.32	57	62	119	1.81	242	3.68	12								
Mangaldan		114,177	11679	9,391	80.41	4227	4059	8,286	88.23	189	166	355	3.78	139	82	221	2.35	282	247	529	5.63	576	6.13	8								
Mangatarem		76,317	8047	7,260	90.22	3207	3105	6,312	86.94	253	198	451	6.21	102	121	223	3.07	141	133	274	3.77	674	9.28	1								
Mapandan		39,835	4074	3,745	91.92	1947	1715	3,662	97.78	26	22	48	1.28	5	15	20	0.53	10	5	15	0.40	68	1.82	25								
Natividad		25,948	2667	1,653	61.98	753	685	1,438	86.99	76	73	149	9.01	0	0	0	0.00	35	31	66	3.99	149	9.01	3								
Pozorrubio		72,892	7640	6,543	85.64	3256	2876	6,132	93.72	57	32	89	1.36	9	9	18	0.28	152	152	304	4.65	107	1.64	28								
Rosales		66,445	6928	5,387	77.76	2832	2519	5,351	99.33	17	15	32	0.59	3	0	3	0.06	1	0	1	0.02	35	0.65	37								
San Fabian		88,286	9120	8,830	96.82	4485	4050	8,535	96.66	61	42	103	1.17	33	35	68	0.77	60	64	124	1.40	171	1.94	24								
San Jacinto		44,200	4488	3,700	82.44	1894	1735	3,629	98.08	13	21	34	0.92	17	10	27	0.73	4	6	10	0.27	61	1.65	27								
San Manuel		60,087	5816	3,956	68.02	1978	1851	3,829	96.79	30	22	52	1.31	7	6	13	0.33	29	33	62	1.57	65	1.64	28								
San Nicolas		36,918	3912	3,241	82.85	1880	1310	3,190	98.43	12	7	19	0.59	10	13	23	0.71	5	4	9	0.28	42	1.30	30								
San Quintin		33,743	3619	2,626	72.56	1195	1105	2,300	87.59	81	66	147	5.60	11	8	19	0.72	81	79	160	6.09	166	6.32	7								
Santa Maria		35,013	3630	2,384	65.67	1113	1065	2,178	91.36	12	13	25	1.05	21	18	39	1.64	72	70	142	5.96	64	2.68	17								
Sison		51,312	5222	5,242	100.38	2531	2412	4,943	94.30	43	42	85	1.62	2	6	8	0.15	88	118	206	3.93	93	1.77	26								
Sta. Barbara		87,607	9012	8,007	88.85	4035	3860	7,895	98.60	46	42	88	1.10	0	0	0	0.00	15	9	24	0.30	88	1.10	32								
Sio. Tomas		15,586	0	887		430	393	823	92.78	14	18	32	3.61	1	1	2	0.23	13	17	30	3.38	34	3.83	11								

Sual	37,394	3747	3,472	92.66	1678	1545	3,223	92.83	33	39	72	2.07	0	0	0	0.00	82	95	177	5.10	72	2.07	23
Tayug	46,486	4742	3,143	66.28	1276	1307	2,583	82.18	93	98	191	6.08	58	39	97	3.09	126	146	272	8.65	288	9.16	2
Umingan	79,447	8050	6,262	77.79	3037	2818	5,855	93.50	119	90	209	3.34	45	36	81	1.29	72	45	117	1.87	290	4.63	10
Urbiztondo	52,398	5511	5,624	102.05	2596	2447	5,043	89.67	174	125	299	5.32	51	53	104	1.85	97	81	178	3.17	403	7.17	6
Villasis	65,492	6850	6,056	88.41	3311	2669	5,980	98.75	32	26	58	0.96	4	4	8	0.13	5	5	10	0.17	66	1.09	33
TOTAL	2,524,737	258861	224,352	86.67	109,885	100,879	210,764	93.94	2,718	2,220	4,938	2.20	1,042	827	1,869	0.83	3,401	3,380	6,781	3.02	6,807	3.03	4
Alaminos City	95,291	9857	8,120	82.38	4042	3732	7,774	95.74	61	63	124	1.53	32	25	57	0.70	87	78	165	2.03	181	2.23	6
Dagupan City	181,929	18811	12,633	67.16	5254	5144	10,398	82.31	576	456	1,032	8.17	293	277	570	4.51	321	312	633	5.01	1,602	12.68	1
San Carlos City	205,424	20720	15,088	72.82	6993	6672	13,665	90.57	325	258	583	3.86	144	126	270	1.79	306	264	570	3.78	853	5.65	3
Urdaneta City	141,215	14606	12,363	84.64	6280	5735	12,015	97.19	82	87	169	1.37	37	28	65	0.53	63	51	114	0.92	234	1.89	8

Prepared by:

REA JONIL WAKAT
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Date: 2-8-2022

Reviewed and Approved by:

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Date: 2-8-22

Noted by:

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Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: _____

WEIGHT-FOR-HEIGHT

OPT Plus Form 4A. Regional Summary Report on Operation Timbang Plus

Revised February 2012 Page 1 of 3 of 3

Region I Year/Period of Measurement: January to March 2020

Total No. of Total Population of Region/Source: PSA

Total No. with OPT Plus Results: Prov 4 City 9 Mun 136 Total Population of Region/Source: PSA

Percent OPT Plus Coverage: Prov 4 City 9 Mun 136 Indigenous Group: Yapayaos, Isneg, Tingigians, Kankanaey

Prevalence Rate W & SW/1: 1.92 Prov 100 City 10 Mun 100

Prevalence Rate OW & Ob/1: 3.0

Estimated No. of PS: 570698 0-59 months old 2/
Actual No of PS measured: 413411 0-59 months old
Percent OPT Plus Coverage: 72.43 0-59 months old
No. of Indigenous PS measured: 14793 0-59 months old
CY 2021 Prevalence Rate of W & SW: 1.60 0-59 months old
CY 2021 Prevalence Rate of OW & Ob: 3.0 0-59 months old

Age Group	Weight for Height-for- Age Status												Total, by age group											
	Normal (N)		Wasted (W)		Sev Wasted (SW)		Overweight (OW)		Obese (O)		TOTAL		Total N		Total W		Total SW		Total OW		Total O			
(1)	Boys (2)	Girls (3)	Boys (4)	Girls (5)	Boys (6)	Girls (7)	Boys (8)	Girls (9)	Boys	Girls	Boys (10)	Girls (11)	Total (12)	No (13)	Prev (14)	No (15)	Prev (16)	No (17)	Prev (18)	No (19)	Prev (20)			
0-5 months (R1)	16,755	15,793	223	156	156	115	405	341	314	275	17,853	16,680	34,533	32,548	94.25	379	1.10	271	0.78	746	2.16	589	1.71	
6-11 months (R2)	15,656	14,829	261	182	127	113	283	245	177	127	16,504	15,496	32,000	30,485	95.27	443	1.38	240	0.75	528	1.65	304	0.95	
12-23 months (R3)	40,983	37,457	636	456	269	218	688	719	542	467	43,118	39,317	82,435	78,440	95.15	1,092	1.32	487	0.59	1,407	1.71	1,009	1.22	
24-35 months (R4)	40,826	37,993	562	464	202	138	684	628	589	423	42,863	39,646	82,509	78,819	95.53	1,026	1.24	340	0.41	1,312	1.59	1,012	1.23	
36-47 months (R5)	42,952	39,298	474	469	150	131	795	649	718	500	45,089	41,047	86,136	82,250	95.49	943	1.09	281	0.33	1,444	1.68	1,218	1.41	
48-59 months (R6)	47,708	39,674	445	354	132	102	766	683	794	488	49,845	41,301	91,146	87,382	95.87	799	0.88	234	0.26	1,449	1.59	1,282	1.41	
Total (R8) 0-59 mos	204,880	185,044	2,601	2,081	1,036	817	3,621	3,265	3,134	2,280	215,272	193,487	408,759	389,924	95.39	4,682	1.15	1,853	0.45	6,886	1.68	5,414	1.32	
Prev (R9) 0-59 mos	50.12	45.27	0.64	0.51	0.25	0.20	0.89	0.80	0.77	0.56	52.66	47.34		95.39		1.15		0.45		1.68		1.32		

Note: a) RI means Row No. 1, R2 means Row 2, etc. b) Total (R8) - refers to the sum of preschoolers by nutritional status and by age group c) Prev (R9) - refers to the prevalence rate by sex, by nutritional status for age group 0- 59 months and 0- 71 months
d) Prev (C22,24,26,28) - refers to the prevalence rate by total by age group 1/ Refers to previous year prevalence rate of the area 2/ 0-59 months = 0.10714 x Total Population

Prepared by:

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Nutrition Officer I

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Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: 2-8-2022

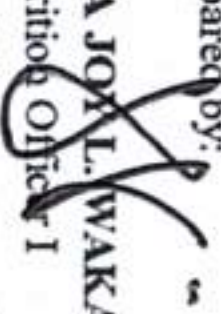
Date: 2-8-22

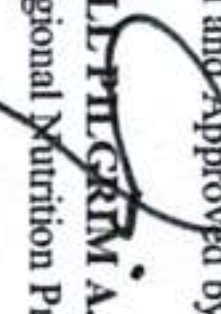
Date: _____

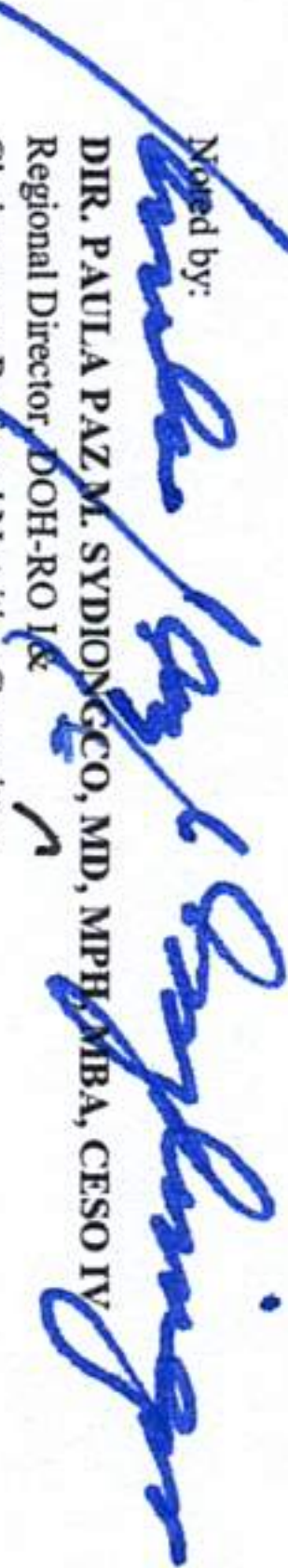
Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY PROVINCE/CITY: WEIGHT FOR LENGTH/HEIGHT

REGION I		Total Population	Estimated # of Children under 5 years old	Total No. of PS Weighed 59 mos.	OPT Coverage	WEIGHT FOR LENGTH/HEIGHT																				Combine d OW & Ob	% Combine d OW & Ob	Rank	Combine d W & SW	% Combine d W & SW	Rank					
						Normal Status Categories										Nutritional Status Categories																				
						Normal (N)					Wasted (W)					Severely Wasted (SW)					Overweight											Obese (Ob)				
						Boys	Girls	Total	%		Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total							%				
Ilocos Norte	442,453	35,849		26,938	75.14	13,149	12,301	25,450	94.48	220	178	398	1.48	76	79	155	0.58	285	256	541	2.01	217	177	394	1.46	935	3.47	2	553	2.05	1					
Ilocos Sur	600,674	48,479		39,152	80.76	19,068	17,694	36,762	93.90	261	209	470	1.20	83	56	139	0.36	481	486	967	2.47	488	326	814	2.08	1,781	4.55	1	609	1.56	2					
La Union	705,988	70,644		47,004	66.54	23,535	21,843	45,378	96.54	230	178	408	0.87	46	36	82	0.17	351	300	651	1.38	290	195	485	1.03	1,136	2.42	3	490	1.04	4					
Pangasinan	2,524,737	258,861		224,352	86.67	112,331	103,472	215,803	96.19	1,332	1,050	2,382	1.06	491	377	868	0.39	1,584	1,444	3,028	1.35	1,308	963	2,271	1.01	5,299	2.36	4	3,250	1.45	3					
Alaminos City	95,291	9,857		8,120	82.38	4,099	3,797	7,896	97.24	16	12	28	0.34	7	9	16	0.20	51	44	95	1.17	49	36	85	1.05	180	2.22	7	44	0.54	7					
Batac City	57,412	5,237		3,326	63.51	1,564	1,483	3,047	91.61	30	27	57	1.71	4	8	12	0.36	55	53	108	3.25	71	31	102	3.07	210	6.31	2	69	2.07	3					
Candon City	61,432	5,208		4,117	79.05	2,217	2,102	4,319	104.91	14	14	28	0.68	7	3	10	0.24	69	53	122	2.96	33	13	46	1.12	168	4.08	4	38	0.92	5					
Dagupan City	181,929	18,811		12,633	67.16	5354	5272	10,626	84.11	263	221	484	3.83	185	151	336	2.66	357	292	649	5.14	285	253	538	4.26	1,187	9.40	1	820	6.49	1					
Laogang City	111,651	9,337		7,362	78.85	3,766	3,357	7,123	96.75	5	4	9	0.12	1	2	3	0.04	74	58	132	1.79	58	37	95	1.29	227	3.08	5	12	0.16	9					
San Carlos City	205,424	20,720		15,088	72.82	7,127	6,772	13,899	92.12	152	152	304	2.01	103	66	169	1.12	191	178	369	2.45	195	152	347	2.30	716	4.75	3	473	3.13	2					
San Fernando City	128,997	12,034		8,689	72.20	4,305	4,002	8,307	95.60	48	48	96	1.10	14	14	28	0.32	72	63	135	1.55	74	49	123	1.42	258	2.97	6	124	1.43	4					
Urdaneta City	141,215	14,606		12,363	84.64	6,307	5,781	12,088	97.78	29	27	56	0.45	17	13	30	0.24	49	38	87	0.70	60	42	102	0.83	189	1.53	8	86	0.70	6					
Vigan City	53,935	5,213		3,897	74.76	2,049	1,834	3,883	99.64	2	2	4	0.10	2	2	4	0.10	2	0	2	0.05	2	2	4	0.10	6	0.15	9	8	0.21	8					
TOTAL	5,311,138	514,856		413,041	80.22	204,871	189,710	394,581	95.53	2,602	2,122	4,724	1.14	1,036	816	1,852	0.45	3,621	3,265	6,886	1.67	3,130	2,276	5,406	1.31	12,292	2.98		6,576	1.59						

Prepared by:

REA JONAL WAKAT
Nutrition Officer I
Date: 2-8-2022

Reviewed and Approved by:

KENDAL PUGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator
Date: 2-8-22

Moved by:

DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee
Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4 . Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 1 of 4

Region : I

Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021
Indigenous Group/s: Yapayaos, Isneg, Tingigians, Kankanaey
Number of Indigenous PS measured: 0-59 mos old 14793

Please check:

☐

Normal Weight-for-Age

☐

Normal Length/Height-for-Age

Normal Weight-for-Length/Height

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children													Total Normal Measured	
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months				
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls			
				(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)		
(1)	(2)	(3)	(3)															
Ilocos Norte	35,849	26,938	75.14	1100	970	1031	1038	2600	2445	2749	2563	2869	2681	2800	2604	25450		
Ilocos Sur	48,479	39,152	80.76	1410	1328	1381	1339	4542	4168	3695	3461	4034	3590	4006	3808	36762		
La Union	70,644	47,004	66.54	2155	2106	2066	1907	4941	4402	4666	4407	4757	4521	4950	4500	45378		
Pangasinan	258,861	224,352	86.67	8882	8336	8038	7693	21301	19422	22357	20502	23540	21522	28213	25997	215803	0	
Alaminos City	9,857	8,120	82.38	416	356	324	312	799	777	808	813	821	749	931	790	7896		
Batac City	5,237	3,326	63.51	131	132	137	133	327	341	335	278	340	293	294	306	3047		
Candon City	5,208	4,117	79.05	183	211	207	157	447	396	447	424	449	457	484	457	4319		
Dagupan City	18,811	12,633	67.16	441	448	486	455	1107	1029	1054	1065	1168	1024	1098	1251	10626		
Laoag City	9,337	7,362	78.85	269	243	336	268	764	689	794	727	789	676	814	754	7123		
San Carlos City	20,720	15,088	72.82	587	529	570	564	1486	1425	1402	1426	1581	1449	1501	1379	13899		
San Fernando City	12034	8689	72.20	383	388	383	360	938	847	850	807	901	748	850	852	8307		
Urdaneta City	14,606	12,363	84.64	585	579	527	454	1342	1175	1242	1138	1287	1194	1324	1241	12088		
Vigan City	5,213	3,897	74.76	214	166	170	147	407	368	406	357	410	390	442	406	3883		
TOTAL	514,856	413,041	80.22	16,756	15,792	15,656	14,827	41,001	37,484	40,805	37,968	42,946	39,294	47,707	44,345	394,581		

Prepared by:

REA JOY L. WAKAT
Nutrition Officer I

Date: 2-8-2022

Reviewed and Approved by:

MR. KENDALL PILGRIM A. CATAN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-22

Noted by:

DIR. PAULA PAZ M. SYDIONCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 2 of 4

Region : I

Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021
Indigenous Group/s: Yapayaos, Isneg, Tingigians, Kankanaey
Number of Indigenous PS measured: 0-59 mos old 14793

Please check:

☐

Underweight Weight-for-Age

☐

Stunted Length/Height-for-Age

Wasted Weight-for-Length/Height

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage (3)	Total Number of Children												Total W/ Measured (16)
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		
				Boys (4)	Girls (5)	Boys (6)	Girls (7)	Boys (8)	Girls (9)	Boys (10)	Girls (11)	Boys (12)	Girls (13)	Boys (14)	Girls (15)	
(1)	(2)	(3)														
Ilocos Norte	35,849	26,938	75.14	17	14	19	30	57	32	42	39	46	36	39	27	398
Ilocos Sur	48,479	39,152	80.76	9	22	23	4	93	65	50	45	40	39	46	34	470
La Union	70,644	47,004	66.54	19	11	17	10	45	40	54	42	55	43	40	32	408
Pangasinan	258,861	224,352	86.67	130	63	143	89	317	243	280	215	232	231	230	209	2382
																0
Alaminos City	9,857	8,120	82.38	1	0	2	3	6	1	0	5	3	1	4	2	28
Batac City	5,237	3,326	63.51	1	0	3	2	8	4	9	8	6	7	3	6	57
Candon City	5,208	4,117	79.05	1	1	2	1	1	1	6	4	3	2	1	5	28
Dagupan City	18,811	12,633	67.16	20	22	28	17	62	35	55	59	46	50	52	38	484
Laoag City	9,337	7,362	78.85	0	0	0	0	1	0	2	2	1	0	1	2	9
San Carlos City	20,720	15,088	72.82	21	20	20	24	39	33	30	23	27	31	15	21	304
San Fernando City	12034	8689	72.20	3	2	2	2	9	5	19	9	8	20	7	10	96
Urdaneta City	14,606	12,363	84.64	1	1	2	0	3	4	11	7	6	8	6	7	56
Vigan City	5,213	3,897	74.76	0	0	0	0	0	0	1	0	1	1	1	0	4
TOTAL	514,856	413,041	80.22	223	156	261	182	641	463	559	458	474	469	445	393	4,724

Prepared by:

REA JOY P. WAKAT
Nutrition Officer I

Date: 2-8-2022

Reviewed and Approved by:

MR. KENDALL PILGRIM A. CATAN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-22

Noted by:

DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 3 of 4

Region : I

Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021
Indigenous Group/s: Yapayao, Isneg, Tingigians, Kankanaey
Number of Indigenous PS measured: 0-59 mos old 14793

Please check: ☐ Severely Underweight Weight-for-Age ☐ Severely Stunted Length/Height-for-Age ☐ Severely Wasted Weight-for-Length/Height

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children															Total SW Measured
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months					
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls				
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)			
Ilocos Norte	35,849	26,938	75.14	8	18	7	10	21	21	15	15	12	8	13	7	155			
Ilocos Sur	48,479	39,152	80.76	14	3	4	2	29	24	9	9	12	8	15	10	139			
La Union	70,644	47,004	66.54	7	6	5	2	12	12	10	7	6	6	6	3	82			
Pangasinan	258,861	224,352	86.67	78	49	69	73	129	98	95	57	70	54	50	46	868			
																0			
Alaminos City	9,857	8,120	82.38	1	4	1	0	1	2	2	2	2	0	0	1	16			
Batac City	5,237	3,326	63.51	0	1	0	0	1	2	0	0	1	4	2	1	12			
Candon City	5,208	4,117	79.05	1	0	0	0	2	2	0	0	1	1	3	0	10			
Dagupan City	18,811	12,633	67.16	25	21	23	15	36	27	41	33	32	29	28	26	336			
Laoag City	9,337	7,362	78.85	0	0	0	0	0	0	0	1	0	0	1	1	3			
San Carlos City	20,720	15,088	72.82	19	12	18	11	33	22	16	5	9	13	8	3	169			
San Fernando City	12034	8689	72.20	3	1	0	0	2	7	4	3	2	1	3	2	28			
Urdaneta City	14,606	12,363	84.64	0	0	0	0	4	1	8	4	3	6	2	2	30			
Vigan City	5,213	3,897	74.76	0	0	0	0	1	1	0	0	0	1	1	0	4			
TOTAL	514,856	413,041	80.22	156	115	127	113	271	219	200	136	150	131	132	102	1,852			

Prepared by:

REA JOY L. WAKAT
Nutrition Officer I

Date: 2-8-2022

Reviewed and Approved by:

MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-22

Noted by:

DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-ROI &
Chairperson, Regional Nutrition Committee

Date:

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 4 of 5

REGION : I
Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021
Indigenous Group/s: Yapayaos, Isneg, Tingigians, Kankanaey
Number of Indigenous PS measured: 0-59 mos old 14793

Please check: ☐ Overweight Weight-for-Age ☐ Tall Length/Height-for-Age ☐ Obese Weight-for-Height-for-Age

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children												Total OW Measured
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Ilocos Norte	35,849	26,938	75.14	31	33	33	21	54	43	58	52	54	46	55	61	541
Ilocos Sur	48,479	39,152	80.76	63	44	37	33	120	148	96	82	91	96	75	82	967
La Union	70,644	47,004	66.54	33	28	30	12	61	68	58	47	81	78	88	67	651
Pangasinan	258,861	224,352	86.67	174	159	103	115	296	318	303	258	366	270	342	324	3028
																0
Alaminos City	9,857	8,120	82.38	3	9	2	5	8	14	13	7	8	6	17	3	95
Batac City	5,237	3,326	63.51	10	6	1	4	9	10	9	12	11	14	15	7	108
Candon City	5,208	4,117	79.05	14	2	6	2	14	5	4	34	12	4	19	6	122
Dagupan City	18,811	12,633	67.16	35	33	46	19	59	63	84	61	68	59	65	57	649
Laoag City	9,337	7,362	78.85	7	2	3	7	14	10	9	9	23	14	18	16	132
San Carlos City	20,720	15,088	72.82	30	16	11	18	39	29	30	37	47	41	34	37	369
San Fernando City	12034	8689	72.20	4	6	10	8	8	8	11	16	21	11	18	14	135
Urdaneta City	14,606	12,363	84.64	1	3	1	1	7	3	9	12	11	10	20	9	87
Vigan City	5,213	3,897	74.76	0	0	0	0	0	0	0	0	2	0	0	0	2
TOTAL	514,856	413,041	80.22	405	341	283	245	689	719	684	627	795	649	766	683	6,886

Prepared by:
REA JOY A. WAKAT
Nutrition Officer I

Reviewed and Approved by:
MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-2022

Date: 2-8-22

Noted by:
DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: _____

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL

OPT Plus Form 4. Regional Consolidation Sheet of Operation Timbang Plus Results
Series 2012 Page 4 of 5

REGION : I
Total No.: Province 4 City 9
Total No. with OPT Plus Results: Province 4 City 9

Year/Period of Measurement : January to March 2021
Indigenous Group/s: Yapayaos, Isneg, Tinggians, Kankanaey
Number of Indigenous PS measured: 0-59 mos old 14793

Please check: ☐ Overweight Weight-for-Age ☐ Tall Length/Height-for-Age ☐ Overweight Weight-for-Length/Height-for-Age ☐ Obese Weight-for-Length/Height-for-Age

Province/City	Estimated No. of 0-59 mos. old PS	Total No. of 0-59 mos. old PS measured	% Coverage	Total Number of Children												Total Ob Measured
				0-5 months		6-11 months		12-23 months		24-35 months		36-47 months		48-59 months		
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Ilocos Norte	35,849	26,938	75.14	26	21	21	13	32	30	31	35	56	33	51	45	394
Ilocos Sur	48,479	39,152	80.76	37	37	21	10	143	95	85	60	92	63	110	61	814
La Union	70,644	47,004	66.54	16	7	4	6	35	24	49	41	87	66	99	51	485
Pangasinan	258,861	224,352	86.67	149	121	84	60	216	196	262	171	287	216	310	199	2271
																0
Alaminos City	9,857	8,120	82.38	2	5	3	2	5	6	10	7	14	10	15	6	85
Batac City	5,237	3,326	63.51	8	7	3	2	8	3	9	1	23	9	20	9	102
Candon City	5,208	4,117	79.05	1	0	2	1	5	1	6	4	6	3	13	4	46
Dagupan City	18,811	12,633	67.16	55	45	24	20	44	63	56	41	51	41	55	43	538
Laoag City	9,337	7,362	78.85	2	3	4	0	6	3	15	9	17	7	14	15	95
San Carlos City	20,720	15,088	72.82	16	24	8	10	37	33	38	24	48	29	48	32	347
San Fernando City	12034	8689	72.20	2	5	2	3	7	7	11	11	19	12	33	11	123
Urdaneta City	14,606	12,363	84.64	0	0	1	0	4	7	14	15	16	10	25	10	102
Vigan City	5,213	3,897	74.76	0	0	0	0	0	0	0	1	2	0	1	0	4
TOTAL	514,856	413,041	80.22	314	275	177	127	542	468	586	420	718	499	794	486	5,406

Prepared by:
REA JOYLA WAKAT
Nutrition Officer I

Date: 2-8-2022

Reviewed and Approved by:
MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-22

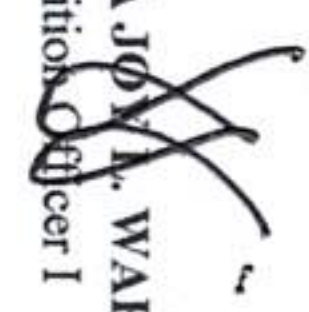
Noted by:
DIR. PAULA PAZ M. SYBIONGCO, MD, MPH, MBA, CESO IV
Regional Director, DOH-ROI &
Chairperson, Regional Nutrition Committee

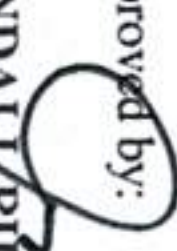
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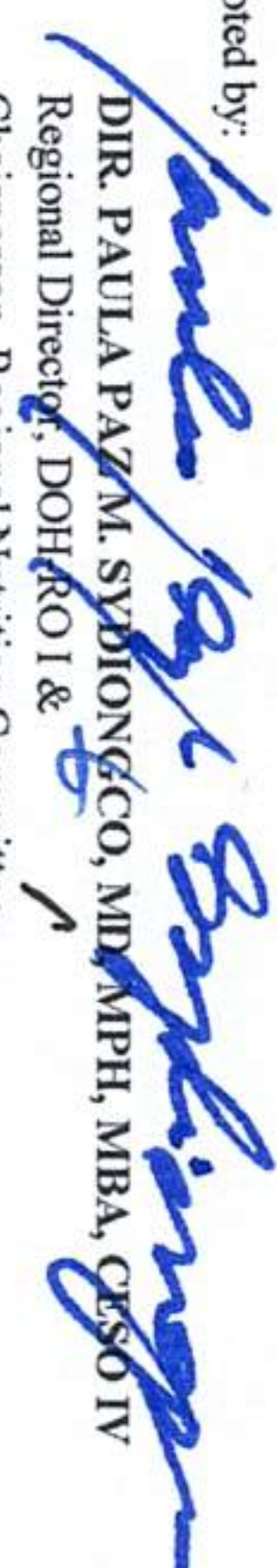
Department of Health
NATIONAL NUTRITION COUNCIL

2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: WEIGHT FOR LENGTH/HEIGHT
ILOCOS NORTE

REGION I		Total Population	Estimated # of Children under 5 years old	Total No. of PS Weighed 0-59 mos.	OPT Coverage	WEIGHT FOR LENGTH/HEIGHT																		Combined OW & Ob	% Combine d OW & Ob	Rank	Combined W & SW	% Combin ed W & SW	Rank	
						Nutritional Status Categories																								
						Normal (N)				Wasted (W)				SeverelyWasted (SW)				Overweight (OW)				Obese (Ob)								
Municipalities	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%										
Adams	2,189	151	165	109.27	76	76	152	92.12	3	4	7	4.24	2	0	2	1.21	1	1	2	1.21	2	0	2	1.21	4	2.42	13	9	5.45	1
Bacarra	33,496	2709	1954	72.13	883	853	1,736	88.84	28	20	48	2.46	10	12	22	1.13	47	48	95	4.86	29	22	51	2.61	146	7.47	1	70	3.58	4
Badoc	32,530	2657	1726	64.96	897	737	1,634	94.67	22	22	44	2.55	4	5	9	0.52	10	14	24	1.39	9	4	13	0.75	37	2.14	14	53	3.07	6
Banguit	15,019	1232	1008	81.82	514	474	988	98.02	3	2	5	0.50	1	0	1	0.10	6	5	11	1.09	3	0	3	0.30	14	1.39	18	6	0.60	19
Banna	19,297	1634	1163	71.18	589	548	1,137	97.76	3	2	5	0.43	0	0	0	0.00	8	8	16	1.38	3	2	5	0.43	21	1.81	16	5	0.43	20
Burgos	10,759	820	655	79.88	299	309	608	92.82	1	1	2	0.31	1	2	3	0.46	10	16	26	3.97	10	3	13	1.98	39	5.95	3	5	0.76	18
Carasi	1,607	132	104	78.79	52	47	99	95.19	1	0	1	0.96	2	0	2	1.92	0	2	2	1.92	0	0	0	0.00	2	1.92	15	3	2.88	7
Curima	12,215	1019	595	58.39	246	274	520	87.39	4	17	21	3.53	2	8	10	1.68	16	5	21	3.53	12	9	21	3.53	42	7.06	2	31	5.21	2
Dingras	40,127	3244	2496	76.94	1232	1126	2,358	94.47	14	10	24	0.96	9	7	16	0.64	32	31	63	2.52	13	16	29	1.16	92	3.69	8	40	1.60	13
Dunahueg	3,087	248	229	92.34	114	114	228	99.56	0	0	0	0.00	0	0	0	0.00	0	1	1	0.44	0	0	0	0.00	1	0.44	21	0	0.00	21
Marcos	18,010	1491	1105	74.11	548	502	1,050	95.02	5	4	9	0.81	0	0	0	0.00	11	11	22	1.99	13	9	22	1.99	44	3.98	6	9	0.81	17
Nueva Era	11,968	797	905	113.55	460	426	886	97.90	8	1	9	0.99	0	0	0	0.00	4	6	10	1.10	0	0	0	0.00	10	1.10	20	9	0.99	16
Pagudpud	25,098	1995	1649	82.66	856	745	1,601	97.09	11	8	19	1.15	0	1	1	0.06	8	7	15	0.91	8	4	12	0.73	27	1.64	17	20	1.21	15
Paoay	25,001	2090	1302	62.30	632	592	1,224	94.01	12	8	20	1.54	2	4	6	0.46	11	12	23	1.77	14	14	28	2.15	51	3.92	7	26	2.00	11
Pasunquin	29,678	2436	2178	89.41	1063	1001	2,064	94.77	11	13	24	1.10	12	10	22	1.01	12	15	27	1.24	19	20	39	1.79	66	3.03	10	46	2.11	10
Piddig	22,475	1805	1263	69.97	610	564	1,174	92.95	12	10	22	1.74	6	15	21	1.66	10	12	22	1.74	15	8	23	1.82	45	3.56	9	43	3.40	5
Pinit	17,626	1448	898	62.02	398	414	812	90.42	22	7	29	3.23	5	2	7	0.78	18	10	28	3.12	12	9	21	2.34	49	5.46	4	36	4.01	3
San Nicolas	38,895	3089	2419	78.31	1190	1124	2,314	95.66	16	12	28	1.16	5	0	5	0.21	14	19	33	1.36	17	19	36	1.49	69	2.85	11	33	1.36	14
Sarrat	25,186	2119	1520	71.73	731	689	1,420	93.42	12	13	25	1.64	5	4	9	0.59	14	15	29	1.91	16	19	35	2.30	64	4.21	5	34	2.24	9
Solsoma	24,851	2026	1517	74.88	729	723	1,452	95.72	18	15	33	2.18	3	4	7	0.46	7	5	12	0.79	6	3	9	0.59	21	1.38	19	40	2.64	8
Vintar	33,339	2707	2087	77.10	1030	963	1,993	95.50	14	9	23	1.10	7	5	12	0.57	13	13	26	1.25	16	16	32	1.53	58	2.78	12	35	1.68	12
TOTAL	442,453	35,849	26,938	75.14	13,149	12,301	25,450	94.48	220	178	398	1.48	76	79	155	0.58	252	256	508	1.89	217	177	394	1.46	902	3.35	2	553	2.05	1
Batac City	57,412	5237	3326	63.51	1564	1483	3,047	91.61	30	27	57	1.71	4	8	12	0.36	54	53	107	3.22	71	31	102	3.07	209	6.28	2	69	2.07	3
Laong City	111,651	9337	7362	78.85	3,766	3,357	7,123	96.75	5	4	9	0.12	1	2	3	0.04	71	58	129	1.75	58	37	95	1.29	224	3.04	5	12	0.16	9

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Nutrition Officer I
Date: 2-8-2022

Reviewed and Approved by: 
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OIC - Regional Nutrition Program Coordinator
Date: 2-8-22

Noted by: 
DIR. PAULA PAZ M. SYDIONGCO, MD, MPH, MBA, CISO IV
Regional Director, DOH/ROI &
Chairperson, Regional Nutrition Committee
Date: _____

Department of Health
NATIONAL NUTRITION COUNCIL

2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: WEIGHT FOR LENGTH/HEIGHT
ILOCOS SUR

REGION I		Total Population	Estimated # of Children under 6 years old	Total No. of PS Weighed 0-59 mos.	OPT Coverage	WEIGHT FOR LENGTH/HEIGHT																		Combine d OW & Ob	Combi ned OW & Ob	Rank	Combine d W & SW	% Combi ned W & SW	Rank	
						Nutritional Status Categories																								
ILOCOS SUR	Municipalities	Boys	Girls	Total	%	Normal (N)			Wasted (W)			Severely Wasted (SW)			Overweight (OW)			Obese (Ob)												
											Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%				
Alilem	6,992	642	419	65.26	218	161	379	90.45	0	0	0	0.00	0	0	0	0.00	12	14	26	6.21	9	5	14	3.34	40	9.55	4	0	0.00	27
Banayoyo	8,092	668	492	73.65	234	203	437	88.82	3	2	5	1.02	5	5	10	2.03	16	13	29	5.89	5	6	11	2.24	40	8.13	8	15	3.05	4
Bantay	37,316	3071	3025	98.50	1587	1385	2,972	98.25	1	1	2	0.07	0	0	0	0.00	12	19	31	1.02	15	5	20	0.66	51	1.69	27	2	0.07	26
Burgos	12,766	1049	824	78.55	419	342	761	92.35	10	4	14	1.70	1	0	1	0.12	13	15	28	3.40	11	9	20	2.43	48	5.83	16	15	1.82	11
Cabugao	39,164	3407	2291	67.24	1134	993	2,127	92.84	23	18	41	1.79	12	5	17	0.74	33	31	64	2.79	25	17	42	1.83	106	4.63	18	58	2.53	7
Caocayan	20,742	1707	1906	111.66	980	894	1,874	98.32	0	0	0	0.00	0	0	0	0.00	13	17	30	1.57	2	0	2	0.10	32	1.68	28	0	0.00	27
Cervantes	17,974	971	1517	156.23	744	730	1,474	97.17	6	3	9	0.59	1	0	1	0.07	15	11	26	1.71	1	6	7	0.46	33	2.18	25	10	0.66	17
Galimuyod	11,225	925	547	59.14	244	257	501	91.59	5	2	7	1.28	0	0	0	0.00	16	6	22	4.02	11	6	17	3.11	39	7.13	10	7	1.28	14
Gregorio Del Pilar	5,091	336	259	77.08	116	117	233	100.00	1	3	4	1.54	0	0	0	0.00	6	7	13	5.02	3	6	9	3.47	22	8.49	6	4	1.54	13
Lidlidda	4,853	399	228	57.14	95	105	200	87.72	0	0	0	0.00	0	0	0	0.00	7	9	16	7.02	8	4	12	5.26	28	12.28	2	0	0.00	27
Magsingal	32,158	2647	3163	119.49	1549	1466	3,015	95.32	46	43	89	2.81	1	0	1	0.03	14	24	38	1.20	10	10	20	0.63	58	1.83	26	90	2.85	6
Nagbukel	5,493	455	394	86.59	215	175	390	98.98	1	0	1	0.25	0	0	0	0.00	1	0	1	0.25	1	1	2	0.51	3	0.76	31	1	0.25	22
Narvacan	45,958	3785	2769	73.16	1405	1331	2,736	98.81	2	3	5	0.18	0	0	0	0.00	5	6	11	0.40	11	6	17	0.61	28	1.01	30	5	0.18	24
Quirino	8,954	433	635	146.65	319	298	617	97.17	3	1	4	0.63	0	0	0	0.00	1	4	5	0.79	5	4	9	1.42	14	2.20	24	4	0.63	18
Salcedo	11,789	971	588	60.56	309	268	577	98.13	1	1	2	0.34	0	0	0	0.00	1	1	2	0.34	6	1	7	1.19	9	1.53	29	2	0.34	21
San Emilio	7,736	636	409	64.31	163	158	321	78.48	19	11	30	7.33	11	9	20	4.89	12	5	17	4.16	13	8	21	5.13	38	9.29	5	50	12.22	1
San Esteban	8,719	503	503	100.00	229	227	456	90.66	2	4	6	1.19	3	3	6	1.19	13	8	21	4.17	11	3	14	2.78	35	6.96	11	12	2.39	8
San Ildefonso	8,133	577	530	91.85	245	246	491	92.64	1	3	4	0.75	0	0	0	0.00	16	3	19	3.58	11	5	16	3.02	35	6.60	12	4	0.75	16
San Juan	27,582	2267	1445	63.74	666	603	1,269	87.82	25	23	48	3.32	6	3	9	0.62	28	35	63	4.36	35	21	56	3.88	119	8.24	7	57	3.94	3
San Vicente	13,323	1095	1120	102.28	566	481	1,047	93.48	3	0	3	0.27	1	1	2	0.18	15	16	31	2.77	21	16	37	3.30	68	6.07	13	5	0.45	19
Santa	16,021	1320	1002	75.91	519	480	999	99.70	0	1	1	0.10	0	0	0	0.00	1	1	2	0.20	0	0	0	0.00	2	0.20	32	1	0.10	25
Santiago	14,563	1197	1138	95.07	578	528	1,106	97.19	3	2	5	0.44	0	0	0	0.00	7	16	23	2.02	4	0	4	0.35	27	2.37	23	5	0.44	20
Sigay	41,635	3424	156	4.56	69	71	140	89.74	0	0	0	0.00	0	0	0	0.00	5	5	10	6.41	5	1	6	3.85	16	10.26	3	0	0.00	27
Sinait	26,529	2183	1559	71.42	743	701	1,444	92.62	15	9	24	1.54	3	1	4	0.26	18	24	42	2.69	32	13	45	2.89	87	5.58	16	28	1.80	12
Sia, Catalina	31,667	2605	1096	42.07	502	536	1,038	94.71	4	8	12	1.09	1	0	1	0.09	10	7	17	1.55	17	11	28	2.55	45	4.11	19	13	1.19	15
Sia, Cruz	19,591	3424	2521	73.63	1036	1044	2,080	82.51	49	41	90	3.57	23	19	42	1.67	50	51	101	4.01	116	92	208	8.25	309	12.26	1	132	5.24	2
Sia, Lucia	29,216	2403	1445	60.13	661	661	1,322	91.49	15	11	26	1.80	12	4	16	1.11	35	23	58	4.01	12	11	23	1.59	81	5.61	15	42	2.91	5
Sia, Maria	2,858	236	1623	687.71	690	773	1,463	90.14	14	13	27	1.66	2	5	7	0.43	36	47	83	5.11	24	19	43	2.65	126	7.76	9	34	2.09	10
Sio, Domingo	26,775	2202	1729	78.52	915	748	1,663	96.18	0	0	0	0.00	0	0	0	0.00	21	16	37	2.14	20	9	29	1.68	66	3.82	21	0	0.00	27
Sugpon	4,787	394	252	63.96	124	112	236	93.65	3	1	4	1.59	1	1	2	0.79	1	4	5	1.98	3	2	5	1.98	10	3.97	20	6	2.38	9
Suyo	11,954	984	666	67.68	331	312	643	96.55	0	0	0	0.00	0	0	0	0.00	5	9	14	2.10	7	2	9	1.35	23	3.45	22	0	0.00	27
Tagudin	41,018	3374	2901	85.98	1463	1288	2,751	94.83	6	1	7	0.24	0	0	0	0.00	44	38	82	2.83	34	27	61	2.10	143	4.93	17	7	0.24	23
TOTAL	600,674	48,479	39,152	80.76	19,068	17,694	36,762	93.90	261	209	470	1.20	83	56	139	0.36	482	485	967	2.47	488	326	814	2.08	1,781	4.55	1	609	1.56	2
Candon City	61,432	5,208	4,117	79.05	2217	2102	4,319	104.91	14	25	39	0.95	7	3	10	0.24	69	53	122	2.96	33	13	46	1.12	168	4.08	4	49	1.19	5
Vigan City	53,935	5,213	3,897	74.76	2049	1834	3,883	99.64	3	1	4	0.10	2	2	4	0.10	2	0	2	0.05	3	1	4	0.10	6	0.15	9	8	0.21	8

Prepared by:

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Date: 28-2022

Reviewed and Approved by:

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OIC - Regional Nutrition Program Coordinator

Date: 2-8-22

Noted by:

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Regional Director DOH-RO I &
Chairperson, Regional Nutrition Committee

Date:

Republic of the Philippines
Department of Health
NATIONAL NUTRITION COUNCIL
2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: WEIGHT FOR LENGTH/HEIGHT
LA UNION

REGION I		Total Population	Estimated # of Children under 5 years old	Total No. of PS Weighed 0-59 mos.	OPT Coverage	WEIGHT FOR LENGTH/HEIGHT																											
						Nutritional Status Categories												Combined OW & Ob		% Combined OW & Ob	Rank	Combined W & SW	% Combined W & SW	Rank									
						Normal (N)				Wasted (W)				Severely Wasted (SW)											Overweight (OW)				Obese (Ob)				
LA UNION						Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%	Boys	Girls	Total	%								
Municipalities																																	
Agoo	66,841	5720	4,599	80.40	2356	2112	4468	97.15	13	9	22	0.48	2	1	3	0.07	27	22	49	1.07	35	22	57	1.24	106	2.30	9	25	0.54	12			
Aringay	50,057	4163	3,430	82.39	1726	1614	3340	97.38	8	12	20	0.58	2	1	3	0.09	16	35	51	1.49	9	7	16	0.47	67	1.95	10	23	0.67	11			
Bacnotan	43,820	3782	2,988	79.01	1438	1346	2784	93.17	38	31	69	2.31	1	0	1	0.03	40	36	76	2.54	37	21	58	1.94	134	4.48	2	70	2.34	3			
Bagulin	14,389	1210	969	80.08	479	441	920	94.94	15	16	31	3.20	1	3	4	0.41	8	2	10	1.03	2	2	4	0.41	14	1.44	13	35	3.61	2			
Balaocan	40,361	3522	2,756	78.25	1459	1231	2690	97.61	10	11	21	0.76	5	2	7	0.25	11	10	21	0.76	10	7	17	0.62	38	1.38	14	28	1.02	7			
Bangar	37,328	3227	2,355	72.98	1230	1088	2318	98.43	2	2	4	0.17	1	0	1	0.04	8	8	16	0.68	8	8	16	0.68	32	1.36	15	5	0.21	18			
Bauang	79,556	6735	5,246	77.89	2492	2493	4985	95.02	23	19	42	0.80	4	2	6	0.11	68	47	115	2.19	60	38	98	1.87	213	4.06	3	48	0.91	9			
Burgos	8,298	726	605	83.33	319	261	580	95.87	3	1	4	0.66	0	1	1	0.17	10	3	13	2.15	6	1	7	1.16	20	3.31	5	5	0.83	10			
Caba	22,790	1982	1,609	81.18	791	744	1535	95.40	12	9	21	1.31	4	0	4	0.25	17	10	27	1.68	12	10	22	1.37	49	3.05	6	25	1.55	4			
Luna	36,752	3216	2,534	78.79	1334	1155	2489	98.22	6	2	8	0.32	0	0	0	0.00	12	11	23	0.91	7	7	14	0.55	37	1.46	12	8	0.32	16			
Naguilian	61,125	4865	3,467	71.26	1701	1665	3366	97.09	3	2	5	0.14	6	7	13	0.37	26	14	40	1.15	30	13	43	1.24	83	2.39	8	18	0.52	13			
Pugo	23,809	1771	1,179	66.57	560	597	1157	98.13	2	3	5	0.42	0	0	0	0.00	4	6	10	0.85	4	3	7	0.59	17	1.44	13	5	0.42	14			
Rosario	58,304	4749	4,369	92.00	2238	2067	4305	98.54	14	4	18	0.41	0	0	0	0.00	15	10	25	0.57	15	6	21	0.48	46	1.05	17	18	0.41	15			
San Gabriel	19,925	1633	1,231	75.38	598	576	1174	95.37	9	7	16	1.30	0	0	0	0.00	18	10	28	2.27	7	6	13	1.06	41	3.33	4	16	1.30	6			
San Juan	39,380	3341	2,566	76.80	1187	1161	2348	91.50	36	31	67	2.61	13	14	27	1.05	33	50	83	3.23	18	23	41	1.60	124	4.83	1	94	3.66	1			
Santol	12,924	1120	948	84.64	483	438	921	97.15	1	0	1	0.11	0	0	0	0.00	6	6	12	1.27	8	6	14	1.48	26	2.74	7	1	0.11	19			
Sio. Tomas	42,558	3515	2,846	80.97	1484	1283	2767	97.22	23	12	35	1.23	4	3	7	0.25	11	11	22	0.77	10	5	15	0.53	37	1.30	16	42	1.48	5			
Sudipen	17,545	1530	1,118	73.07	561	544	1105	98.84	3	0	3	0.27	0	0	0	0.00	8	1	9	0.81	0	1	1	0.09	10	0.89	18	3	0.27	17			
Tubao	30,577	2582	2,189	84.78	1099	1027	2126	97.12	9	7	16	0.73	3	2	5	0.23	13	8	21	0.96	12	9	21	0.96	42	1.92	11	21	0.96	8			
TOTAL	706,339	70,644	47,004	66.54	23,535	21,843	45,378	96.54	230	178	408	0.87	46	36	82	0.17	351	300	651	1.38	290	195	485	1.03	1,136	2.42	3	490	1.04	4			
San Fernando City	128,997	12034	8689	72.20	4305	4002	8,307	95.60	48	48	96	1.10	14	14	28	0.32	72	63	135	1.55	74	49	123	1.42	258	2.97	6	124	1.43	4			

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Department of Health
NATIONAL NUTRITION COUNCIL
2021 MALNUTRITION RATE OF PRESCHOOL CHILDREN (0-59 MONTHS OLD), BY MUNICIPALITIES: WEIGHT FOR LENGTH/HEIGHT
PANGASINAN

REGION I		Total Population	Estimated # of Children under 5 years old	Total No. of PS Weighed 0-59 mos.	OPT Coverage	WEIGHT FOR LENGTH/HEIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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						Normal (N)			Wasted (W)			Severely Wasted (SW)			Overweight (OW)			Obese (Ob)			Combin ed OW & Ob	% Combin ed OW & Ob	Rank	Combine d W & SW	% Combi ned W & SW	Rank																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Mapandan	39,835	4074	3,745	91.92	1925	1699	3,624	96.77	10	6	16	0.43	3	7	10	0.27	24	21	45	1.20	26	24	50	1.34	95	2.54	16	26	0.69	32
Natividad	25,948	2667	1,653	61.98	743	677	1,420	85.90	46	35	81	4.90	0	0	0	0.00	28	28	56	3.39	47	49	96	5.81	152	9.20	3	81	4.90	2
Pozorubio	72,892	7640	6,543	85.64	3337	2973	6,310	96.44	16	20	36	0.55	9	8	17	0.26	65	46	111	1.70	47	22	69	1.05	180	2.75	15	53	0.81	29
Rosales	66,445	6928	5,387	77.76	2845	2530	5,375	99.78	1	2	3	0.06	0	0	0	0.00	4	1	5	0.09	3	1	4	0.07	9	0.17	40	3	0.06	41
San Fabian	88,286	9120	8,830	96.82	4527	4092	8,619	97.61	40	22	62	0.70	14	23	37	0.42	31	33	64	0.72	27	21	48	0.54	112	1.27	26	99	1.12	21
San Jacinto	44,200	4488	3,700	82.44	1892	1741	3,633	98.19	14	9	23	0.62	6	4	10	0.27	6	11	17	0.46	10	7	17	0.46	34	0.92	29	33	0.89	26
San Manuel	60,087	5816	3,956	68.02	1978	1849	3,827	96.74	22	28	50	1.26	3	0	3	0.08	32	25	57	1.44	9	10	19	0.48	76	1.92	22	53	1.34	17
San Nicolas	36,918	3912	3,241	82.85	1886	1314	3,200	98.73	5	9	14	0.43	11	9	20	0.62	4	0	4	0.12	1	2	3	0.09	7	0.22	39	34	1.05	23
San Quintin	33,743	3619	2,626	72.56	1198	1121	2,319	88.31	30	23	53	2.02	13	6	19	0.72	76	62	138	5.26	51	46	97	3.69	235	8.95	5	72	2.74	8
Santa Maria	35,013	3630	2,384	65.67	1187	1140	2,327	97.61	1	1	2	0.08	0	0	0	0.00	15	14	29	1.22	14	11	25	1.05	54	2.27	19	2	0.08	40
Sison	51,312	5222	5,242	100.38	2594	2496	5,090	97.10	15	24	39	0.74	1	0	1	0.02	20	29	49	0.93	32	23	55	1.05	104	1.98	21	40	0.76	31
Sta. Barbara	87,607	9012	8,007	88.85	4067	3882	7,949	99.28	28	28	56	0.70	3	2	5	0.06	0	1	1	0.01	1	0	1	0.01	2	0.02	43	61	0.76	31
Sta. Tomas	15,586	0	887		433	408	841	94.81	7	8	15	1.69	3	6	9	1.01	8	6	14	1.58	7	5	12	1.35	26	2.93	13	24	2.71	9
Sual	37,394	3747	3,472	92.66	1746	1622	3,368	97.00	19	18	37	1.07	0	1	1	0.03	14	21	35	1.01	14	17	31	0.89	66	1.90	23	38	1.09	22
Tayug	46,486	4742	3,143	66.28	1326	1390	2,716	86.41	45	45	90	2.86	28	21	49	1.56	61	69	130	4.14	93	65	158	5.03	288	9.16	4	139	4.42	3
Umingan	79,447	8050	6,262	77.79	3085	2849	5,934	94.76	62	38	100	1.60	16	14	30	0.48	60	57	117	1.87	50	31	81	1.29	198	3.16	12	130	2.08	14
Urbizondo	52,398	5511	5,624	102.05	2728	2565	5,293	94.11	78	62	140	2.49	39	22	61	1.08	43	33	76	1.35	30	24	54	0.96	130	2.31	18	201	3.57	5
Villasis	65,492	6850	6,056	88.41	3307	2659	5,966	98.51	16	16	32	0.53	10	5	15	0.25	14	20	34	0.56	5	4	9	0.15	43	0.71	33	47	0.78	30
TOTAL	2,524,737	258,861	224,352	86.67	112,331	103,472	215,803	96.19	1,332	1,050	2,382	1.06	491	377	868	0.39	1,584	1,444	3,028	1.35	1,308	963	2,271	1.01	5,299	2.36	4	3,250	1.45	3
Alaminos City	95,291	9857	8,120	82.38	4099	3797	7,896	97.24	16	12	28	0.34	7	9	16	0.20	51	44	95	1.17	49	36	85	1.05	180	2.22	7	44	0.54	7
Dagupan City	181,929	18811	12,633	67.16	5354	5272	10,626	84.11	263	221	484	3.83	185	151	336	2.66	357	292	649	5.14	285	253	538	4.26	1,187	9.40	1	820	6.49	1
San Carlos City	205,424	20720	15,088	72.82	7127	6772	13,899	92.12	152	152	304	2.01	103	66	169	1.12	191	178	369	2.45	195	152	347	2.30	716	4.75	3	473	3.13	2
Urdaneta City	141,215	14606	12,363	84.64	6307	5781	12,088	97.78	29	27	56	0.45	17	13	30	0.24	49	38	87	0.70	60	42	102	0.83	189	1.53	8	86	0.70	6

Prepared by:

REAJAY L. WAKAT
Nutrition Officer I

Date: 2-8-2022

Reviewed and Approved by:

MR. KENDALL PILGRIM A. GATAN
OIC - Regional Nutrition Program Coordinator

Date: 2-8-22

Noted by:

DR. PAULA PAZ M. SYMBIONCO MD, MPH, MBA, CESO IV
Regional Director, DOH-RO I &
Chairperson, Regional Nutrition Committee

Date: _____