

2017 OPERATION TIMBANG PLUS (OPT+) RESULT

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

Some salient findings of the 2017 Operation Timbang Plus (OPT+) conducted by Local Government Units include the following:

- **2.42 percent or 2 out of 100** preschool children are **underweight and severely underweight** (low weight for age)
- **1.35 percent or 1 out of 100** preschool children are **overweight** (weight for age)
- **5.94 percent or 6 out of 100** preschool children are **stunted and severely stunted** (low height for age and with acute chronic long-standing malnutrition)
- **2.37 percent or 2 out of 100** preschool children are **wasted and severely wasted** (low weight for height and with acute malnutrition)
- **2.58 percent or 3 out of 100** preschool children are **overweight and obese** (weight for height)

Comparative Data: 2016-2017

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

- The number of **underweight and severely underweight** preschool children decreased by 0.43 percentage points from 2.85 percent in 2016 and to 2.42 percent in 2017.
- The number of **stunted** preschool children significantly decreased by 1.54 percentage points from 7.48 percent in 2016 to 5.94 percent in 2017.
- The number of **wasted and severely wasted** preschool children slightly decreased by 0.53 percentage points from 2.9 percent in 2016 to 2.37 percent in 2017.
- The number of **overweight and obese** (weight for height) preschool children decreased by a mere 0.05 percentage points from 2.63 percent in 2016 to 2.58 percent in 2017.

OPT PLUS RESULTS over the years (2015-2017)

Provinces/Cities	Underweight					Overweight			Stunting			Wasting		
	2013*	2014*	2015*	2016	2017	2015*	2016	2017	2015*	2016	2017	2015*	2016	2017
Ilocos Norte	7.53	5.54	5.88	5.68	5.06	3.26	3.26	3.95	11.43	10.81	10.46	3.66	3.28	2.7
Ilocos Sur	4.92	4.35	3.8	3.83	3.51	2.64	3.04	3.13	9.05	9.43	7.98	2.45	2.47	2.39
La Union	5.38	4.6	4.34	3.89	3.91	4.31	2.9	2.61	15.29	12.17	9.37	4.51	3.51	3.01
Pangasinan	3.94	3.32	2.46	2.41	1.44	2.78	2.23	2.09	7.63	5.04	4.02	3.29	2.37	1.85
Alaminos City	4.08	4.97	7.17	5.35	2.62	5.41	4.52	3.12	17.59	12.68	6.34	4.2	3.66	2.92
Batac City	8.42	5.44	5.36	4.77	4.42	4.57	4.83	5.67	12.21	10.94	11.43	2.83	3.45	3.02
Candon City	6.97	3.57	2.83	2.68	1.15	6.36	6.58	3	14.8	14.36	5.86	3.68	3	1.85
Dagupan City	7.79	6.82	5.56	6.17	1.8	0.26	0.58	1.24	5.48	14.93	8.38	5.9	5.86	4.95
Laoag City	3.14	3.22	2.58	0.87	1.61	4.75	1.52	2.66	8.22	2.92	1.97	2.45	1.07	0.81
San Carlos City	9.4	8.43	4.89	4.66	4.95	2.48	1.93	7.14	8.48	7.49	8.43	4.65	4.82	6.17
San Fernando City	2.51	2.17	2.13	2.26	2.42	3.82	3.34	1.99	3.71	2.46	3.93	2.16	2.08	1.51
Vigan City	4.11	3.69	3.47	3.58	2.9	2.58	2.98	2.31	7.01	5.31	5.05	2.4	4.13	2.35
Urdaneta City	2.96	2.41	2.31	2.18	1.27	2.11	1.46	1.11	16.76	8.51	8.03	1.87	0.84	0.6
REGION I	4.77	4.05	3.4	2.85	2.42	2.66	2.63	2.58	9.06	7.48	5.94	3.45	2.9	2.37

*0-71 data

**2017 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	31,734	54.17	1,605	5.06
2	La Union	55,825	61.00	2,182	3.91
3	Ilocos Sur	49,096	62.35	1,722	3.51
4	Pangasinan	289,952	88.59	4,185	1.44

**2017 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	31,734	54.17	3,318	10.46
2	La Union	55,825	61.00	5,233	9.37
3	Ilocos Sur	48,462	61.54	3,912	7.98
4	Pangasinan	289,974	88.60	11,653	4.02

**2017 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	La Union	31,734	54.17	857	2.70
2	Ilocos Norte	49,096	62.35	1,175	2.39
3	Ilocos Sur	55,825	61.00	1,678	3.01
4	Pangasinan	290,542	88.77	5,382	1.85

**2017 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 Norte	31,734	54.17	1,252	3.95
2	Ilocos Sur	49,096	62.35	1,537	3.13
3	La Union	55,825	61.00	1,459	2.61
4	Pangasinan	290,542	88.77	6,084	2.09

2017 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	San Carlos City	21,106	80.89	1,045	4.95
2	Batac City	3,544	47.08	151	4.42
3	Dagupan City	20,735	88.34	616	2.98
4	Urdaneta City	15,315	83.71	444	2.90
5	Alaminos City	9,276	75.24	243	2.62
6	San Fernando City	12,148	72.47	294	2.42
7	Vigan City	7,163	95.90	91	1.87
8	Laoag City	8,926	58.37	144	1.61
9	Candon City	5,501	66.19	63	1.15

2017 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	Batac City	3,544	47.08	405	11.43
2	San Carlos City	21,106	80.90	1,761	8.43
3	Dagupan City	20,705	88.21	1,735	8.38
4	Vigan City	4,844	64.85	389	8.03
5	Alaminos City	9,251	75.04	583	6.33
6	Candon City	5,501	66.19	322	5.86
7	Urdaneta City	15,317	83.72	769	5.05
8	San Fernando City	12,148	72.47	461	3.79
9	Laoag City	8,926	58.37	175	1.97

**2017 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	San Carlos City	21,106	80.89	1,303	6.17
2	Dagupan City	20,705	88.21	1,024	4.95
3	Batac City	3,544	47.07	107	3.02
4	Alaminos City	9,273	75.22	271	2.92
5	Urdaneta City	15,217	83.17	358	2.35
6	Candon City	5,501	66.19	102	1.85
7	San Fernando City	12,148	72.47	183	1.51
8	Laoag City	8,926	58.37	72	0.81
9	Vigan City	4,869	65.19	29	0.60

**2017 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	San Carlos City	21,106	80.89	1,507	7.14
2	Batac City	3,544	47.07	201	5.67
3	Alaminos City	9,273	75.22	289	3.12
4	Candon City	5,501	66.19	165	3.00
5	Laoag City	8,926	58.37	237	2.66
6	Urdaneta City	15,217	83.17	352	2.31
7	San Fernando City	12,148	72.47	242	1.99
8	Dagupan City	20,735	88.34	256	1.24
9	Vigan City	4,869	65.19	54	1.11

2017 TOP 10 MUNICIPALITIES IN THE REGION WITH HIGHEST NUMBER 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	Currimao, Ilocos Norte	823	47.29	104	12.64
2	Adams, Ilocos Norte	167	61.85	18	10.78
3	Caba, La Union	1,669	55.41	150	8.99
4	Nueva Era, Ilocos Norte	584	47.36	48	8.22
5	Sto. Domingo, Ilocos Sur	1,722	45.39	141	8.19
6	Carasi, Ilocos Norte	144	62.41	11	7.64
7	Sinait, Ilocos Sur	1,844	53.13	138	7.48
8	Pinili, Ilocos Norte	1,180	50.73	85	7.20
9	Bacarra, Ilocos Norte	2,195	49.47	157	7.15
10	Banna, Ilocos Norte	1,329	47.74	91	6.85

2017 TOP 10 MUNICIPALITIES IN THE REGION WITH HIGHEST NUMBER 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	Adams, Ilocos Norte	167	61.85	48	28.74
2	Currimao, Ilocos Norte	823	47.39	204	24.79
3	Sta. Cruz, Ilocos Sur	2,718	49.66	610	22.44
4	Sinait, Ilocos Sur	1,844	53.13	398	21.58
5	Bagulin, La Union	1,039	56.69	223	21.46
6	Nueva Era, Ilocos Norte	584	47.36	121	20.72
7	Bacarra, Ilocos Norte	2,195	49.47	430	19.59
8	Lidlidda, Ilocos Sur	289	45.23	56	19.38
9	Sto. Domingo, Ilocos Sur	1,722	45.39	329	19.11
10	Santol, La Union	1,090	63.90	204	18.72

**pl2017 TOP 10 MUNICIPALITIES IN THE REGION WITH HIGHEST NUMBER 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	Caba, La Union	1,669	55.41	168	10.07
2	Aguilar, Pangasinan	4,243	74.61	357	8.41
3	Sugpon, Ilocos Sur	260	39.53	21	8.08
4	Tagudin, Ilocos Sur	3,057	57.08	173	5.66
5	Sta. Cruz, Ilocos Sur	2,718	49.66	148	5.45
6	Tubao, La Union	2,451	61.90	133	5.43
7	Vintar, Ilocos Norte	2,409	54.12	122	5.06
8	Currimao, Ilocos Norte	823	47.39	41	4.98
9	Sto. Domingo, Ilocos Sur	1,722	45.39	84	4.88
10	Pinili, Ilocos Norte	1,180	50.73	56	4.75

**2017 TOP 10 MUNICIPALITIES IN THE REGION WITH HIGHEST NUMBER 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	Vintar, Ilocos Norte	2,409	54.12	274	11.37
2	Bacarra, Ilocos Norte	2,195	49.47	242	11.03
3	Pozzurubio, Pangasinan	8,970	93.93	242	10
4	Bayambang, Pangasinan	13,147	80.81	1,250	9.51
5	Sta. Cruz, Ilocos Sur	2,718	49.66	252	9.27
6	Sto. Domingo, Ilocos Sur	1,722	45.39	159	9.23
7	Mangatarem, Pangasinan	9,316	92.80	729	7.83
8	Sinait, Ilocos Sur	1,844	53.13	136	7.38
9	Sarrat, Ilocos Norte	1,717	49.00	126	7.34
10	Carasi, Ilocos Norte	144	62.41	10	6.94