



Palestinian National Authority

Ministry of Health

Nutrition Department

Body Mass Index Among School Children

School children grade 1,7 and 10

20/04/2009

District	Measured			Wasting								Normal				Risk of Overweight and Obesity							
				Severe				Moderate												Mild			
	W / L < -3 SD				-3 SD ≤ W / L < -2 SD				-2 SD ≤ W / L < -1 SD				-1 SD ≤ W / L ≤ +1 SD				W / L > +1 SD						
	F	M	T		F	M	T	%	F	M	T	%	F	M	T	%	F	M	T	%	F	M	T
Gaza Strip	6822	5446	12268	29	28	57	0.5%	109	129	238	1.9%	662	672	1334	10.9%	4762	983	8396	68.4%	1260	983	2243	18.3%
Deir Al - Balah	1383	956	2339	11	11	22	0.9%	33	32	65	2.8%	178	161	339	14.5%	907	616	1523	65.1%	254	136	390	16.7%
Gaza	1642	1522	3164	8	5	13	0.4%	30	30	60	1.9%	140	160	300	9.5%	1120	1039	2159	68.2%	344	288	632	20.0%
Khan Yunis	1235	1591	2826	4	7	11	0.4%	20	36	56	2.0%	96	193	289	10.2%	910	1077	1987	70.3%	205	278	483	17.1%
North Gaza	1758	861	2619	6	5	11	0.4%	16	15	31	1.2%	172	87	259	9.9%	1264	560	1824	69.6%	300	194	494	18.9%
Rafah	804	516	1320	0	0	0	0.0%	10	16	26	2.0%	76	71	147	11.1%	561	342	903	68.4%	157	87	244	18.5%
West Bank	9113	6728	15841	51	73	124	0.8%	190	206	396	2.5%	1042	820	1862	11.8%	5786	1567	9848	62.2%	2044	1567	3611	22.8%
Bethlehem	648	765	1413	0	5	5	0.4%	20	29	49	3.5%	78	119	197	13.9%	450	500	950	67.2%	100	112	212	15.0%
Hebron	602	67	669	6	0	6	0.9%	22	0	22	3.3%	66	9	75	11.2%	358	42	400	59.8%	150	16	166	24.8%
Jenin	1113	1265	2378	3	11	14	0.6%	22	45	67	2.8%	132	161	293	12.3%	705	770	1475	62.0%	251	278	529	22.2%
Jericho	764	436	1200	4	3	7	0.6%	9	13	22	1.8%	87	65	152	12.7%	471	242	713	59.4%	193	113	306	25.5%
Jerusalem	793	456	1249	8	41	49	3.9%	23	29	52	4.2%	101	57	158	12.7%	457	230	687	55.0%	204	99	303	24.3%
Nablus	1187	1554	2741	5	4	9	0.3%	17	24	41	1.5%	140	154	294	10.7%	723	923	1646	60.1%	302	449	751	27.4%
Qalqiliya	549	455	1004	5	6	11	1.1%	11	23	34	3.4%	82	63	145	14.4%	349	263	612	61.0%	102	100	202	20.1%
Ramallah	980	596	1576	1	0	1	0.1%	9	14	23	1.5%	83	54	137	8.7%	658	367	1025	65.0%	229	161	390	24.7%
Salfit	567	216	783	0	0	0	0.0%	10	5	15	1.9%	59	25	84	10.7%	382	144	526	67.2%	116	42	158	20.2%
South Hebron	974	418	1392	10	1	11	0.8%	22	5	27	1.9%	107	59	166	11.9%	658	295	953	68.5%	177	58	235	16.9%
Tubas	132	91	223	2	1	3	1.3%	3	3	6	2.7%	15	14	29	13.0%	91	51	142	63.7%	21	22	43	19.3%
Tulkarm	804	409	1213	7	1	8	0.7%	22	16	38	3.1%	92	40	132	10.9%	484	235	719	59.3%	199	117	316	26.1%
Grand Total	15935	12174	28109	80	101	181	0.6%	299	335	634	2.3%	1704	1492	3196	11.4%	10548	2550	18244	64.9%	3304	2550	5854	20.8%



Palestinian National Authority

Ministry of Health

Nutrition Department

Body Mass Index Among School Children

School children grade 1,7 and 10

20/04/2009

District	Measured			Normal				Overweight												Wasting			
	Measured			-1 SD ≤ W / L ≤ +1 SD				+1 SD > W / L ≤ +2 SD				+2 SD > W / L ≤ +3 SD				Obese				W / L < -1 SD			
	Measured			-1 SD ≤ W / L ≤ +1 SD				+1 SD > W / L ≤ +2 SD				+2 SD > W / L ≤ +3 SD				Obese				W / L < -1 SD			
	F	M	T	F	M	T	%	F	M	T	%	F	M	T	%	F	M	T	%	F	M	T	%
Gaza Strip	6822	5446	12268	4762	3634	8396	68.4%	1057	737	1794	14.6%	182	213	395	3.2%	21	33	54	0.4%	1260	829	1629	13.3%
Deir Al - Balah	1383	956	2339	907	616	1523	65.1%	212	100	312	13.3%	34	33	67	2.9%	8	3	11	0.5%	222	204	426	18.2%
Gaza	1642	1522	3164	1120	1039	2159	68.2%	282	214	496	15.7%	56	66	122	3.9%	6	8	14	0.4%	178	195	373	11.8%
Khan Yunis	1235	1591	2826	910	1077	1987	70.3%	183	214	397	14.0%	22	50	72	2.5%	0	14	14	0.5%	120	236	356	12.6%
North Gaza	1758	861	2619	1264	560	1824	69.6%	246	146	392	15.0%	49	42	91	3.5%	5	6	11	0.4%	194	107	301	11.5%
Rafah	804	516	1320	561	342	903	68.4%	134	63	197	14.9%	21	22	43	3.3%	2	2	4	0.3%	86	87	173	13.1%
West Bank	9113	6728	15841	5786	4062	9848	62.2%	1522	1067	2589	16.3%	457	414	871	5.5%	65	86	151	1.0%	2044	1099	2382	15.0%
Bethlehem	648	765	1413	450	500	950	67.2%	81	90	171	12.1%	16	21	37	2.6%	3	1	4	0.3%	98	153	251	17.8%
Hebron	602	67	669	358	42	400	59.8%	110	12	122	18.2%	30	3	33	4.9%	10	1	11	1.6%	94	9	103	15.4%
Jenin	1113	1265	2378	705	770	1475	62.0%	176	193	369	15.5%	67	75	142	6.0%	8	10	18	0.8%	157	217	374	15.7%
Jericho	764	436	1200	471	242	713	59.4%	138	78	216	18.0%	46	30	76	6.3%	9	5	14	1.2%	100	81	181	15.1%
Jerusalem	793	456	1249	457	230	687	55.0%	146	67	213	17.1%	47	26	73	5.8%	11	6	17	1.4%	132	127	259	20.7%
Nablus	1187	1554	2741	723	923	1646	60.1%	224	296	520	19.0%	67	128	195	7.1%	11	25	36	1.3%	162	182	344	12.6%
Qalqiliya	549	455	1004	349	263	612	61.0%	75	82	157	15.6%	24	14	38	3.8%	3	4	7	0.7%	98	92	190	18.9%
Ramallah	980	596	1576	658	367	1025	65.0%	173	99	272	17.3%	52	49	101	6.4%	4	13	17	1.1%	93	68	161	10.2%
Salfit	567	216	783	382	144	526	67.2%	102	31	133	17.0%	14	11	25	3.2%	0	0	0	0.0%	69	30	99	12.6%
South Hebron	974	418	1392	658	295	953	68.5%	143	46	189	13.6%	33	12	45	3.2%	1	0	1	0.1%	139	65	204	14.7%
Tubas	132	91	223	91	51	142	63.7%	16	15	31	13.9%	5	7	12	5.4%	0	0	0	0.0%	20	18	38	17.0%
Tulkarm	804	409	1213	484	235	719	59.3%	138	58	196	16.2%	56	38	94	7.7%	5	21	26	2.1%	121	57	178	14.7%
Grand Total	15935	12174	28109	10548	7696	18244	64.9%	2579	1804	4383	15.6%	639	627	1266	4.5%	86	119	205	0.7%	3304	1928	4011	14.3%



Palestinian National Authority

Ministry of Health

Nutrition Department

Food Intake by School Children

School children grade 1,7 and 10

20/04/2009

Districts	F	M	N	Home Breakfast				Food Intake at School				No Food Intake			
				F	M	Total	Total %	F	M	Total	Total %	F	M	Total	Total %
Gaza Strip	6859	5571	12430	5064	4300	9364	75.3%	4607	3862	8469	68.1%	619	557	1176	9.5%
Gaza	1652	1535	3187	1094	1169	2263	71.0%	971	1039	2010	63.1%	240	241	481	15.1%
Khan Yunis	1245	1608	2853	870	1317	2187	76.7%	883	1242	2125	74.5%	111	71	182	6.4%
North Gaza	1766	867	2633	1275	704	1979	75.2%	1080	652	1732	65.8%	172	39	211	8.0%
Rafah	804	521	1325	690	462	1152	86.9%	628	413	1041	78.6%	32	25	57	4.3%
Deir Al - Balah	1392	1040	2432	1135	648	1783	73.3%	1045	516	1561	64.2%	64	181	245	10.1%
West Bank	9243	7050	16293	5531	4121	9652	59.2%	7751	5440	13191	81.0%	783	816	1599	9.8%
Jerusalem	803	466	1269	486	281	767	60.4%	762	426	1188	93.6%	25	8	33	2.6%
Bethlehem	678	985	1663	502	634	1136	68.3%	458	550	1008	60.6%	63	185	248	14.9%
Hebron	612	68	680	379	50	429	63.1%	497	36	533	78.4%	79	8	87	12.8%
Jericho	773	453	1226	343	323	666	54.3%	686	440	1126	91.8%	85	5	90	7.3%
Tulkarm	830	439	1269	563	315	878	69.2%	800	411	1211	95.4%	8	5	13	1.0%
Nablus	1189	1572	2761	578	478	1056	38.2%	786	1102	1888	68.4%	278	380	658	23.8%
Qalqiliya	555	461	1016	335	283	618	60.8%	518	435	953	93.8%	36	23	59	5.8%
Ramallah	986	605	1591	539	344	883	55.5%	923	523	1446	90.9%	31	52	83	5.2%
Salfit	575	216	791	335	134	469	59.3%	458	158	616	77.9%	61	24	85	10.7%
South Hebron	982	418	1400	634	321	955	68.2%	733	159	892	63.7%	50	57	107	7.6%
Tubas	133	91	224	81	70	151	67.4%	121	81	202	90.2%	7	1	8	3.6%
Jenin	1127	1276	2403	756	888	1644	68.4%	1009	1119	2128	88.6%	60	68	128	5.3%
Grand Total	16102	12621	28723	10595	8421	19016	66.2%	12358	9302	21660	75.4%	1402	1373	2775	9.7%



Palestinian National Authority

Ministry of Health

Nutrition Department

Food Intake by School Children

School children grade 1,7 and 10

20/04/2009

Districs	F	M	N	Meal				Candy				Chips				Sandich				Fruits				Fortified Biscuts			
				F	M	Total	Total %	F	M	Total	Total %	F	M	Total	Total %	F	M	Total	Total %	F	M	Total	Total %	F	M	Total	Total %
Gaza Strip	4607	3862	8469	0	0	0	0.0%	0	0	0	0.0%	4607	3862	8469	100.0%	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Gaza	971	1039	2010	0	0	0	0.0%	0	0	0	0.0%	971	1039	2010	100.0%	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Khan Yunis	883	1242	2125	0	0	0	0.0%	0	0	0	0.0%	883	1242	2125	100.0%	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
North Gaza	1080	652	1732	0	0	0	0.0%	0	0	0	0.0%	1080	652	1732	100.0%	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Rafah	628	413	1041	0	0	0	0.0%	0	0	0	0.0%	628	413	1041	100.0%	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Deir Al - Balah	1045	516	1561	0	0	0	0.0%	0	0	0	0.0%	1045	516	1561	100.0%	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
West Bank	7751	5440	1E+04	564	564	1128	8.6%	3140	1618	4758	36.1%	5295	3044	8339	63.2%	4049	3577	7626	57.8%	1583	1023	2606	19.8%	1294	1020	2314	17.5%
Jerusalem	762	426	1188	19	19	38	3.2%	362	138	500	42.1%	519	249	768	64.6%	491	280	771	64.9%	223	34	257	21.6%	58	31	89	7.5%
Bethlehem	458	550	1008	25	25	50	5.0%	149	154	303	30.1%	250	216	466	46.2%	181	294	475	47.1%	44	11	55	5.5%	127	53	180	17.9%
Hebron	497	36	533	115	115	230	43.2%	149	17	166	31.1%	235	21	256	48.0%	192	5	197	37.0%	61	5	66	12.4%	75	2	77	14.4%
Jericho	686	440	1126	13	13	26	2.3%	359	165	524	46.5%	516	312	828	73.5%	410	294	704	62.5%	140	157	297	26.4%	114	132	246	21.8%
Tulkarm	800	411	1211	54	54	108	8.9%	317	81	398	32.9%	621	303	924	76.3%	460	331	791	65.3%	144	50	194	16.0%	160	118	278	23.0%
Nablus	786	1102	1888	33	33	66	3.5%	235	276	511	27.1%	455	489	944	50.0%	510	700	1210	64.1%	142	340	482	25.5%	86	216	302	16.0%
Qalqiliya	518	435	953	207	207	414	43.4%	276	243	519	54.5%	352	265	617	64.7%	344	328	672	70.5%	203	102	305	32.0%	248	259	507	53.2%
Ramallah	923	523	1446	8	8	16	1.1%	363	80	443	30.6%	708	323	1031	71.3%	414	394	808	55.9%	188	84	272	18.8%	108	79	187	12.9%
Salfit	458	158	616	4	4	8	1.3%	139	19	158	25.6%	289	73	362	58.8%	156	76	232	37.7%	20	10	30	4.9%	117	42	159	25.8%
South Hebron	733	159	892	60	60	120	13.5%	353	52	405	45.4%	536	78	614	68.8%	319	56	375	42.0%	247	41	288	32.3%	119	36	155	17.4%
Tubas	121	81	202	0	0	0	0.0%	32	28	60	29.7%	89	45	134	66.3%	48	66	114	56.4%	22	18	40	19.8%	0	0	0	0.0%

Districs	F	M	N	Meal				Candy				Chips				Sandich				Fruits				Fortified Biscuts			
				F	M	Total	Total %	F	M	Total	Total %	F	M	Total	Total %	F	M	Total	Total %	F	M	Total	Total %	F	M	Total	Total %
Jenin	1009	1119	2128	26	26	52	2.4%	406	365	771	36.2%	725	670	1395	65.6%	524	753	1277	60.0%	149	171	320	15.0%	82	52	134	6.3%
Grand Total	1E+04	9302	2E+04	564	564	1128	5.2%	3140	1618	4758	22.0%	9902	6906	16808	77.6%	4049	3577	7626	35.2%	1583	1023	2606	12.0%	1294	1020	2314	10.7%



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Goiter Among School Children by District

School children grade 1,7 and 10

20/04/2009

District	Measured	Normal				Palpable				Visible			
		F	M	Total	Total %	F	M	Total	Total %	F	M	Total	Total %
West Bank	12814	7351	5219	12570	98.1%	180	54	234	1.8%	7	3	10	0.1%
Bethlehem	1574	672	898	1570	99.7%	0	4	4	0.3%	0	0	0	0.3%
Hebron	671	595	68	663	98.8%	8	0	8	1.2%	0	0	0	1.2%
Jenin	1855	803	959	1762	95.0%	62	22	84	4.5%	6	3	9	4.5%
Jericho	1132	703	405	1108	97.9%	21	3	24	2.1%	0	0	0	2.1%
Jerusalem	1259	789	466	1255	99.7%	4	0	4	0.3%	0	0	0	0.3%
Nablus	301	3	297	300	99.7%	0	1	1	0.3%	0	0	0	0.3%
Qalqiliya	905	485	418	903	99.8%	2	0	2	0.2%	0	0	0	0.2%
Ramallah	1512	921	556	1477	97.7%	23	12	35	2.3%	0	0	0	2.3%
Salfit	717	494	216	710	99.0%	7	0	7	1.0%	0	0	0	1.0%
South Hebron	1399	941	406	1347	96.3%	40	12	52	3.7%	0	0	0	3.7%
Tubas	224	123	91	214	95.5%	10	0	10	4.5%	0	0	0	4.5%
Tulkarm	1265	822	439	1261	99.7%	3	0	3	0.2%	1	0	1	0.2%
Grand Total	12814	7351	5219	12570	98.1%	180	54	234	1.8%	7	3	10	0.1%



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Nutrition Department

Stunting Among School Children

School children grade 1,7 and 10

20/04/2009

District	Measured			Stunting								Normal				Tall							
				Severe				Moderate				Mild											
	L / A < -3 SD			-3 SD ≤ L / A < -2 SD				-2 SD ≤ L / A < -1				-1 SD ≤ L / A ≤ +1 SD				L / A > +1 SD							
	F	M	T	F	M	T	%	F	M	T	%	F	M	T	%	F	M	T	%	F	M	T	%
Gaza Strip	6830	5455	12285	49	85	134	1.09%	361	406	767	6.24%	1409	1368	2777	22.60%	4514	3277	7791	63.42%	497	319	816	6.64%
Deir Al - Balah	1384	959	2343	12	6	18	0.77%	78	59	137	5.85%	253	249	502	21.43%	951	586	1537	65.60%	90	59	149	6.36%
Gaza	1644	1526	3170	7	34	41	1.29%	80	96	176	5.55%	337	376	713	22.49%	1088	927	2015	63.56%	132	93	225	7.10%
Khan Yunis	1238	1593	2831	10	28	38	1.34%	65	149	214	7.56%	281	420	701	24.76%	798	921	1719	60.72%	84	75	159	5.62%
North Gaza	1760	861	2621	13	13	26	0.99%	87	70	157	5.99%	375	201	576	21.98%	1160	523	1683	64.21%	125	54	179	6.83%
Rafah	804	516	1320	7	4	11	0.83%	51	32	83	6.29%	163	122	285	21.59%	517	320	837	63.41%	66	38	104	7.88%
West Bank	9157	6751	15908	36	59	95	0.60%	296	304	600	3.77%	1564	1149	2713	17.05%	6212	4314	10526	66.17%	1049	925	1974	12.41%
Bethlehem	658	771	1429	2	7	9	0.63%	18	36	54	3.78%	95	110	205	14.35%	468	510	978	68.44%	75	108	183	12.81%
Hebron	608	68	676	6	0	6	0.89%	19	9	28	4.14%	103	26	129	19.08%	419	32	451	66.72%	61	1	62	9.17%
Jenin	1114	1268	2382	1	8	9	0.38%	53	52	105	4.41%	198	213	411	17.25%	742	829	1571	65.95%	120	166	286	12.01%
Jericho	766	436	1202	2	11	13	1.08%	23	21	44	3.66%	136	76	212	17.64%	512	274	786	65.39%	93	54	147	12.23%
Jerusalem	796	459	1255	6	4	10	0.80%	16	16	32	2.55%	116	77	193	15.38%	534	273	807	64.30%	124	89	213	16.97%
Nablus	1188	1557	2745	0	6	6	0.22%	28	62	90	3.28%	161	242	403	14.68%	798	1016	1814	66.08%	201	231	432	15.74%
Qalqiliya	549	457	1006	2	1	3	0.30%	8	9	17	1.69%	79	86	165	16.40%	372	296	668	66.40%	88	65	153	15.21%
Ramallah	982	598	1580	8	6	14	0.89%	37	36	73	4.62%	209	116	325	20.57%	671	371	1042	65.95%	57	69	126	7.97%
Salfit	571	216	787	1	1	2	0.25%	18	4	22	2.80%	101	18	119	15.12%	410	157	567	72.05%	41	36	77	9.78%
South Hebron	980	418	1398	4	2	6	0.43%	36	20	56	4.01%	210	99	309	22.10%	649	258	907	64.88%	81	39	120	8.58%
Tubas	132	91	223	1	1	2	0.90%	11	2	13	5.83%	29	20	49	21.97%	84	59	143	64.13%	7	9	16	7.17%
Tulkarm	813	412	1225	3	12	15	1.22%	29	37	66	5.39%	127	66	193	15.76%	553	239	792	64.65%	101	58	159	12.98%
Grand Total	15987	12206	28193	85	144	229	0.81%	657	710	1367	4.85%	2973	2517	5490	19.47%	10726	7591	18317	64.97%	1546	1244	2790	9.90%



Palestinian National Authority

Ministry of Health
Nutrition Department

Underweight Among Shool Children

School childrn grade 1,7 and 10

20/04/2009

District	Measured			Underweight												Normal				Overweight and Obese			
				Severe				Moderate				Mild				-1 SD ≤ W / A ≤ +1 SD				W / A > +1 SD			
	W / A < -3 SD				-3 SD ≤ W / A < -2 SD				-2 SD ≤ W / A < -1 SD														
	F	M	T	F	M	T	%	F	M	T	%	F	M	T	%	F	M	T	%	F	M	T	%
Gaza Strip	6836	5462	12298	1	10	11	0.09%	127	187	314	2.55%	1008	1171	2179	17.72%	5028	3595	8623	70.12%	672	495	1167	9.49%
Deir Al - Balah	1386	958	2344	0	2	2	0.09%	34	42	76	3.24%	246	254	500	21.33%	960	561	1521	64.89%	146	82	228	9.73%
Gaza	1645	1527	3172	0	1	1	0.03%	26	38	64	2.02%	231	293	524	16.52%	1214	1065	2279	71.85%	174	137	311	9.80%
Khan Yunis	1239	1593	2832	0	3	3	0.11%	21	67	88	3.11%	184	343	527	18.61%	932	1048	1980	69.92%	102	134	236	8.33%
North Gaza	1762	866	2628	1	3	4	0.15%	33	29	62	2.36%	226	160	386	14.69%	1337	574	1911	72.72%	165	94	259	9.86%
Rafah	804	518	1322	0	1	1	0.08%	13	11	24	1.82%	121	121	242	18.31%	585	347	932	70.50%	85	48	133	10.06%
West Bank	9160	6775	15935	1	9	10	0.06%	100	170	270	1.69%	1303	1149	2452	15.39%	6428	4359	10787	67.69%	1328	1048	2376	14.91%
Bethlehem	664	779	1443	0	0	0	0.00%	4	31	35	2.43%	110	172	282	19.54%	485	464	949	65.77%	65	99	164	11.37%
Hebron	604	67	671	0	0	0	0.00%	11	0	11	1.64%	85	20	105	15.65%	429	44	473	70.49%	79	3	82	12.22%
Jenin	1117	1267	2384	0	2	2	0.08%	10	31	41	1.72%	145	215	360	15.10%	810	844	1654	69.38%	152	179	331	13.88%
Jericho	765	436	1201	0	2	2	0.17%	10	15	25	2.08%	119	81	200	16.65%	491	271	762	63.45%	145	62	207	17.24%
Jerusalem	795	457	1252	0	1	1	0.08%	11	16	27	2.16%	108	81	189	15.10%	530	292	822	65.65%	146	65	211	16.85%
Nablus	1187	1557	2744	0	2	2	0.07%	6	20	26	0.95%	137	216	353	12.86%	826	1003	1829	66.65%	218	306	524	19.10%
Qalqiliya	550	456	1006	0	0	0	0.00%	10	11	21	2.09%	73	87	160	15.90%	393	289	682	67.79%	74	64	138	13.72%
Ramallah	982	599	1581	0	1	1	0.06%	7	20	27	1.71%	154	86	240	15.18%	693	374	1067	67.49%	128	112	240	15.18%
Salfit	568	216	784	0	0	0	0.00%	6	2	8	1.02%	66	19	85	10.84%	424	161	585	74.62%	72	33	105	13.39%
South Hebron	975	418	1393	1	0	1	0.07%	16	10	26	1.87%	164	91	255	18.31%	691	281	972	69.78%	103	36	139	9.98%
Tubas	133	91	224	0	0	0	0.00%	3	5	8	3.57%	30	16	46	20.54%	94	53	147	65.63%	6	14	20	8.93%
Tulkarm	820	432	1252	0	1	1	0.08%	6	9	15	1.20%	112	65	177	14.14%	562	283	845	67.49%	140	75	215	17.17%
Grand Total	15996	12237	28233	2	19	21	0.07%	227	357	584	2.07%	2311	2320	4631	16.40%	11456	7954	19410	68.75%	2000	1543	3543	12.55%



Palestinian National Authority

Ministry of Health

Nutrition Department

Wasting Among School Children

School children grade 1,7 and 10

20/04/2009

District	Measured			Wasting								Normal				Risk of Overweight and Obesity							
				Severe				Moderate								Mild				W / L > +1 SD			
	W / L < -3 SD			-3 SD ≤ W / L < -2 SD				-2 SD ≤ W / L < -1 SD				-1 SD ≤ W / L ≤ +1 SD											
	F	M	T	F	M	T	%	F	M	T	%	F	M	T	%	F	M	T	%	F	M	T	%
Gaza Strip	3565	3147	6712	7	6	13	0.2%	56	29	85	1.3%	377	208	585	8.7%	2270	2380	4650	69.3%	861	789	1650	24.6%
Deir Al - Balah	681	315	996	3	2	5	0.5%	10	8	18	1.8%	86	25	111	11.1%	437	250	687	69.0%	149	41	190	19.1%
Gaza	696	1086	1782	2	2	4	0.2%	14	9	23	1.3%	62	58	120	6.7%	424	829	1253	70.3%	199	282	481	27.0%
Khan Yunis	757	892	1649	0	1	1	0.1%	12	4	16	1.0%	64	68	132	8.0%	509	671	1180	71.6%	169	226	395	24.0%
North Gaza	1024	597	1621	2	1	3	0.2%	14	7	21	1.3%	126	27	153	9.4%	652	442	1094	67.5%	225	183	408	25.2%
Rafah	407	257	664	0	0	0	0.0%	6	1	7	1.1%	39	30	69	10.4%	248	188	436	65.7%	119	57	176	26.5%
West Bank	3754	2993	6747	12	35	47	0.7%	82	64	146	2.2%	489	302	791	11.7%	2131	2024	4155	61.6%	1071	823	1894	28.1%
Bethlehem	274	243	517	0	0	0	0.0%	1	3	4	0.8%	30	25	55	10.6%	183	192	375	72.5%	63	37	100	19.3%
Hebron	217	49	266	1	0	1	0.4%	8	0	8	3.0%	25	1	26	9.8%	101	35	136	51.1%	82	21	103	38.7%
Jenin	591	597	1188	0	1	1	0.1%	13	8	21	1.8%	78	70	148	12.5%	346	424	770	64.8%	158	130	288	24.2%
Jericho	207	195	402	2	0	2	0.5%	6	4	10	2.5%	22	27	49	12.2%	108	124	232	57.7%	64	51	115	28.6%
Jerusalem	279	306	585	1	32	33	5.6%	8	30	38	6.5%	35	28	63	10.8%	148	155	303	51.8%	91	94	185	31.6%
Nablus	563	472	1035	2	0	2	0.2%	6	3	9	0.9%	81	39	120	11.6%	319	325	644	62.2%	154	147	301	29.1%
Qalqiliya	259	233	492	2	2	4	0.8%	9	8	17	3.5%	45	35	80	16.3%	156	144	300	61.0%	48	76	124	25.2%
Ramallah	347	286	633	0	0	0	0.0%	1	1	2	0.3%	33	19	52	8.2%	201	198	399	63.0%	120	102	222	35.1%
Salfit	226	104	330	0	0	0	0.0%	5	2	7	2.1%	36	8	44	13.3%	130	82	212	64.2%	58	23	81	24.5%
South Hebron	395	218	613	2	0	2	0.3%	11	1	12	2.0%	49	17	66	10.8%	228	171	399	65.1%	110	50	160	26.1%
Tubas	64	46	110	0	0	0	0.0%	3	2	5	4.5%	6	7	13	11.8%	38	29	67	60.9%	19	13	32	29.1%
Tulkarm	332	244	576	2	0	2	0.3%	11	2	13	2.3%	49	26	75	13.0%	173	145	318	55.2%	104	79	183	31.8%
Grand Total	7319	6140	13459	19	41	60	0.4%	138	93	231	1.7%	866	510	1376	10.2%	4401	4404	8805	65.4%	1932	1612	3544	26.3%