

2006-2008 Child Obesity

Blackhawk Park School Linked Health Center & Beyer Elementary School Data



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**Table 1. 2007 -2008 Blackhawk Park School Linked Health Center
Frequencies of Child Obesity Risk Factors by Obesity Status**

	Underweight		Healthy Weight		Overweight		Obese		Total	
	N	Row%	N	Row%	N	Row%	N	Row%	N	Col %
Sex										
Female	9	2.2	204	50.2	76	18.7	117	28.8	406	50.8
Male	15	3.8	213	54.1	70	17.8	96	24.4	394	49.3
Race										
White	13	3.0	208	47.8	88	20.2	126	29.0	435	54.4
Black	5	1.8	163	58.4	42	15.1	69	24.7	279	34.9
Other	6	7.0	46	53.5	16	18.6	18	20.9	86	10.8
Ethnicity										
Hispanic	5	2.2	100	43.1	50	21.6	77	33.2	232	30.5
Non-Hispanic	19	3.6	296	56.0	86	16.3	128	24.2	529	69.5
Grade category										
K-5th	18	4.1	214	48.7	80	18.2	127	28.9	439	54.9
6-8th	1	0.7	79	54.5	32	22.1	33	22.8	145	18.1
9-12th	5	2.3	124	57.4	34	15.7	53	24.5	216	27.0
Age groups										
5-6 years	9	5.8	83	53.9	24	15.6	38	24.7	154	19.3
7-8 years	4	5.1	44	56.4	19	24.4	11	14.1	78	9.8
9-10 years	5	2.8	78	43.3	29	16.1	68	37.8	180	22.5
11-12 years	0	0.0	49	47.1	27	26.0	28	26.9	104	13.0
13-14 years	3	1.9	97	59.9	26	16.0	36	22.2	162	20.3
15-16 years	1	1.1	47	52.8	18	20.2	23	25.8	89	11.1
17-18 years	2	6.1	19	57.6	3	9.1	9	27.3	33	4.1
Insurance Type										
Public	12	2.3	277	53.1	89	17.0	144	27.6	522	65.3
Private	0	0.0	30	56.6	10	18.9	13	24.5	53	6.6
None	12	5.3	110	48.9	47	20.9	56	24.9	225	28.1
School District										
Rockford (205)	18	2.8	335	51.5	121	18.6	177	27.2	651	82.6
Harlem (122)	2	3.8	26	49.1	9	17.0	16	30.2	53	6.7
Other**	0	0.0	19	73.1	6	23.1	1	3.8	26	3.3
Private	4	6.9	36	62.1	10	17.2	8	13.8	58	7.4
Total	24	3.1	417	49.9	146	19.5	213	27.5	800	100.0

** other includes Durand (322), Hononegah (207), Kinnikinnick (131), Rockton (140) and Winnebago (323) due to small numbers.

**2007-2008 Blackhawk Park School Linked Health Center
Odds of Overweight and Obesity by Risk Factors**

Risk Factor	Obese†			Overweight & Obese‡		
	OR	95% CI	p	OR	95% CI	p
Sex						
Female	1 (ref)			1 (ref)		
Male	0.8	(0.57, 1.10)	0.154	0.8	(0.60, 1.07)	0.124
Race						
White	1 (ref)			1 (ref)		
Black	0.81	(0.56, 1.15)	0.215	0.68	(0.50, 0.94)	0.014
Other	0.65	(0.36, 1.17)	0.128	0.68	(0.68, 1.11)	0.101
Ethnicity						
Non-Hispanic	1 (ref)			1 (ref)		
Hispanic	1.56	(1.09, 2.21)	0.010	1.78	(1.29, 2.46)	<0.001
Insurance Type						
Public	1 (ref)			1 (ref)		
Private	0.85	(0.42, 1.71)	0.634	0.95	(0.52, 1.74)	0.863
None	0.87	(0.60, 1.26)	0.445	1.05	(0.76, 1.45)	0.774
Age Groups						
5-6 years	1 (ref)			1 (ref)		
7-8 years	0.5	(0.22, 1.10)	0.062	0.930	(0.51, 1.68)	0.791
9-10 years	1.85	(1.12, 3.06)	0.010	1.730	(1.10, 2.75)	0.013
11-12 years	1.12	(0.61, 2.06)	0.685	1.670	(0.98, 2.84)	0.046
13-14 years	0.87	(0.50, 1.52)	0.607	0.920	(0.57, 1.48)	0.718
15-16 years	1.06	(0.56, 2.02)	0.840	1.270	(0.72, 2.22)	0.377
17-18 years	1.14	(0.45, 2.87)	0.755	0.850	(0.36, 1.97)	0.678
Age (continuous)						
Grade categories						
K-5th	1 (ref)			1 (ref)		
6-8th	0.72	(0.46, 1.15)	0.149	0.91	(0.61, 1.35)	0.627
9-12th	0.8	(0.54, 1.18)	0.236	0.76	(0.54, 1.07)	0.096
Grade (continuous)						
School District						
Rockford (205)	1 (ref)			1 (ref)		
Harlem (122)	1.16	(0.60, 2.21)	0.638	1.06	(0.58, 1.92)	0.845
Other**	0.11	(0.01, 0.75)	*0.015	0.44	(0.16, 1.12)	0.058
Private	0.96	(0.53, 1.75)	0.899	0.83	(0.48, 1.42)	0.468

† Comparison of Obese to Non-Obese

‡ Comparison of Overweight & Obese to Normal & Underweight

*based on Yates corrected X² due to small (<5) cell size

** other includes Durand (322), Hononegah (207), Kinnikinnick (131), Rockton (140) and Winnebago (323) due to small numbers.

**Table 3. 2006-2007 Beyer Elementary School
Frequencies of Child Obesity Risk Factors by Obesity Status**

Risk Factor	Underweight		Healthy Weight		Overweight		Obese		Total	
	No.	Row %	No.	Row %	No.	Row %	No.	Row %	No.	Column %
Age (years)										
5-6	3	2.2	85	63.4	20	14.9	26	19.4	134	25.5
7-8	19	10.0	91	47.9	35	18.4	45	23.7	190	36.1
9-10	2	1.4	72	50.0	30	20.8	40	27.8	144	27.4
11-12	0	0.0	35	60.3	8	13.8	15	25.9	58	11.0
Grade										
K	1	1.0	62	59.6	18	17.3	23	22.1	104	19.8
1	19	15.8	66	55.0	18	15.0	17	14.2	120	22.8
2	2	2.4	41	48.8	16	19.0	25	29.8	84	16.0
3	2	2.4	42	51.2	15	18.3	23	28.0	82	15.6
4	0	0.0	38	52.1	16	21.9	19	26.0	73	13.9
5	0	0.0	34	54.0	10	15.9	19	30.2	63	12.0
Gender										
Male	11	4.1	150	55.8	50	18.6	58	21.6	269	51.1
Female	13	5.1	133	51.8	43	16.7	68	26.5	257	48.9
Race										
White	3	4.6	31	47.7	7	10.8	24	36.9	65	12.4
Black	15	5.0	167	55.5	54	17.9	65	21.6	301	57.3
Hispanic	6	9.1	29	43.9	11	16.7	20	30.3	66	12.6
Other	0	0.0	55	59.1	21	22.6	17	18.3	93	17.7
Total	24	4.6	283	53.8	93	17.7	126	24.0	526	100.0

Data courtesy of Northern Illinois Diabetes Coalition

**Table 4. 2006-2007 Beyer Elementary School
Odds of Child Overweight and Obese by Risk Factor
N=526**

Risk Factor	OBESE			Overweight & Obese		
	OR	95% CI	P	OR	95% CI	P
Age (years)						
5-6	1 (ref)			1 (ref)		
7-8	1.29	(0.72, 2.30)	0.359	1.39	(0.86, 2.26)	0.157
9-10	1.60	(0.88, 2.91)	0.101	1.81	(1.08, 3.02)	0.016
11-12	1.45	(0.66, 3.18)	0.316	1.26	(0.63, 2.49)	0.480
Age (continuous)	1.09	(0.98, 1.22)	0.113	1.07	(0.97, 1.17)	0.182
Grade						
K	1 (ref)			1 (ref)		
1	0.58	(0.28, 1.22)	0.121	0.63	(0.35, 1.15)	0.106
2	1.49	(0.73, 3.04)	0.232	1.47	(0.79, 2.73)	0.197
3	1.37	(0.67, 2.82)	0.352	1.33	(0.71, 2.49)	0.343
4	1.24	(0.58, 2.64)	0.547	1.42	(0.74, 2.71)	0.259
5	1.52	(0.70, 3.28)	0.246	1.31	(0.66, 2.59)	0.402
Grade						
K-1	1 (ref)			1 (ref)		
2-3RD	1.87	(1.13, 3.11)	0.010	1.77	(1.15, 2.73)	0.006
4-5TH	1.78	(1.04, 3.06)	0.024	1.73	(1.09, 2.74)	0.013
Gender						
Male	1 (ref)			1 (ref)		
Female	1.31	(0.88, 1.96)	0.188	1.133	(0.80, 1.60)	0.479
Race						
White	1 (ref)			1 (ref)		
Black	0.47	(0.26, 0.87)	0.009	0.72	(0.40, 1.27)	0.225
Hispanic	0.74	(0.34, 1.64)	0.422	0.97	(0.46, 2.04)	0.934
Other	0.38	(0.17, 0.84)	0.009	0.76	(0.38, 1.51)	0.394

Data courtesy of Northern Illinois Diabetes Coalition