

TEH 0350142

Comparison of Large Blood Lead Coefficients in Models
With and Without Site Terms But Including Terms Found Significant by Harkness et al (1981)

		Diastolic Blood Pressure				Systolic Blood Pressure			
		N	r ²	Coeff	SL	N	r ²	Coeff	SL
Males: Age 12-74	No Site Terms	2789	.24	2.017	.0005	2794	.23	3.434	.0002
	Site Terms	2789	—	.360	.55	2794	—	1.947	.046
Males: Age 21-55	No Site Terms	1306	.23	2.213	.088	1307	.17	3.560	.0046
	Site Terms	1306	—	-.0242	.98	1307	—	1.081	.41
White Males: Age 21-55	No Site Terms	1175	.24	2.582	.0032	1175	.18	3.821	.0033
	Site Terms	1175	—	.289	.75	1175	—	1.205	.37
Males: Age 56-74	No Site Terms	913	.074	2.228	.044	915	.060	5.219	.008
	Site Terms	913	—	.802	.50	915	—	3.908	.064
White Males: Age 56-74	No Site Terms	821	.076	1.665	.15	823	.060	5.165	.015
	Site Terms	821	—	.0351	.98	823	—	3.980	.084
Female Males: Age 12-74	No Site Terms	2918	.27	1.222	.026	2921	.39	.199	.83
	Site Terms	2918	—	-.0041	1.00	2921	—	-.505	.63
Female Males: Age 21-55	No Site Terms	1382	.26	1.245	.11	1385	.28	-.694	.54
	Site Terms	1382	—	-.170	.84	1385	—	-.542	.23
Female Males: Age 56-74	No Site Terms	1008	.15	.709	.49	1007	.14	1.897	.36
	Site Terms	1008	—	-.242	.84	1007	—	1.702	.49

1 SL = significance level

Comparison of Regression Coefficients of Terms used by ~~Harmon et al (1985)~~ in Models with and without Site Terms but including ~~Terms~~ ^{Significant} Harmon et al (1985)

Coef.	Coef.	Coef.	Coef.
1.00141	1.222 *	3.60	2.017
-.131	1.131 ***	1.135	1.136
-.00241	1.00291 ***	1.00596	1.00530
8.268	7888	9094	8823
1.278	1.152	1.566	1.596
8.918	2.629	1.6315	1.417
2.918	2.629	1.909	1.783
1.000331	1.000781	1.00015	1.000549
1.403	2.442	1.733	1.705
1.505	1.199	1.945	3.43
1.505	1.505	1.274	1.274
1.011	1.011	1.00656	1.00655
12.746	12.238	1.3648	1.3746
1.098	1.542	1.0570	1.3203
1.076	1.099	1.0309	1.0613
5.354	4.450	1.153	1.1518
1.000306	1.000547	1.000359	1.000500
1.534	1.178	2.389	1.1917

Table 3

Comparison of Regression Coefficients in Models with and without Site Terms Including Terms Found Significant by Pirkle et al (1985)
White Males, 40-59 years old

	Pirkle et al - Prelim. Model		Pirkle et al - Table P2 Models	
	No Site Terms	With Site Terms	No Site Terms	With Site Terms
<u>Diastolic Pressures</u>				
N	595	595	575	575
Loge (Blood Lead)				
Age	3.877 **	1.675	4.012 **	1.925
Age ** 2	.104	.0633	.0925	.0583
Body mass	.00307	.005672	-.00185	.0011
Dietary Potassium	11287. ***	11342. ***	10528. ***	10829 ***
Hemoglobin			-.00129 ***	-.00123 **
Albumin			1.160 **	.718
Vit. Vit. C			3.102	3.671 *
Dietary Riboflavin			.00948	.00440
Dietary Oleic Acid				
Serum Vit. C				
<u>Systolic Pressures</u>				
N	595	595	553	553
Loge (Blood Lead)				
Age	5.329 **	3.525	6.271 **	3.461
Age ** 2	.494 ***	.511 ***	.557 ***	.602 ***
Body mass	-.00525	.00712	-.00766	.00580
Dietary Potassium	18018. ***	17810 ***	16954. ***	16381 ***
Hemoglobin				
Albumin				
Vit. Vit. C			6.165 *	7.244 *
Dietary Riboflavin			.0125 *	.0189 *
Dietary Oleic Acid			-1.474 *	-1.863 *
Serum Vit. C			.0518	.0660
			-3.318 *	-4.172 **
* Significant (p < .05)				
** Significant (p < .01)				
*** Significant (p < .001)				

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