

Table 3 Descriptive statistics of lead present in maternal blood (n = 416), cord blood (n = 309) and meconium (n = 309) for different Karachi areas

Location	Maternal blood (n = 416)	Cord blood (ppm) (n = 309)	Meconium (ppm) (n = 309)	P
	Mean ± SD	Mean ± SD	Mean ± SD	
Baldia Town	0.1 ± 0.3	0.4 ± 0.8	4.9 ± 8.3	0.197
Gadap Town	0.1 ± 0.1	0.4 ± 0.6	13.6 ± 11.8	0.0848
Gulbarg Town	1.2 ± 2.4	1.5 ± 2.7	9.4 ± 10.9	<0.0001 [^]
Gulshan-e-Iqbal Town	0.2 ± 0.2	0.1 ± 0.1	11.6 ± 15.0	0.2484
Hyderabad	1.2 ± 1.7	0 ± 0	7 ± 10.0	0.5161
Jamshed Town	0 ± 0	0.1 ± 0.2	2.2 ± 3.9	0.4423
Khairpur Town	0 ± 0	0 ± 0	0 ± 0	-
Korangi Town	2.1 ± 4.4	3.2 ± 4.6	7.7 ± 7.5	0.1696
Landhi Town	0.5 ± 0.7	0.1 ± 0.2	2.3 ± 6.0	0.5638
Liaquatabad Town	1.2 ± 2.7	1.3 ± 2.8	6.5 ± 7.9	<0.0001 [^]
Lyari Town	0.1 ± 0.4	0 ± 0	10.0 ± 9.4	0.0002 [^]
Malir town	4.1 ± 5.3	0.3 ± 0.6	9.3 ± 10.5	0.0139 [^]
New Karachi Town	2.4 ± 3.1	0.6 ± 0.4	3.4 ± 7.3	0.634
North Nazimabad	1.3 ± 3.3	0.7 ± 2.0	7.2 ± 9.8	<0.0001 [^]
Not Mentioned	6.1 ± 7.7	2.0 ± 1.7	0 ± 0	0.2115
Orangi Town	1.2 ± 3.0	0.7 ± 2.4	11.0 ± 21.4	0.0053 [^]
Saddar Town	1.6 ± 0	0.3 ± 0	1.2 ± 0	<0.0001 [^]
Shah Faisal Town	3.1 ± 4.9	2.6 ± 4.5	14.4 ± 16.9	0.0102 [^]
Site Town	0 ± 0	0 ± 0	9.3 ± 1.6	0.003 [^]

Pb levels higher than the normal: maternal blood ppm, Pb = 0.0088 and cord blood ppm, Pb = 0.0097 (20,2) while in meconium >12 ± 14.9 µg/dry wt was toxic (24). [^]P-value shows that in Gulbarg town, Khairpur town, Liaquatabad town, Lyari, Malir, North Nazimabad, Orangi town, Saddar, Shah Faisal, Site town and Steel Town are significantly different by location. P-value indicates that the observed result would be highly unlikely under the null hypothesis.