RESULTS

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The reuslts of this work will be illustrated in 6 sections

Section one : lead level in maternal blood

1. Comparison between blood lead level of reural and urban mothers
2. Comparison between blood lead level of low traffic flow urban mothers and High traffic flow urban mothers

Section two : lead level in breast milk

3. comparison between lead level of breast milk of rural and urban mothers
4. Comparison between lead level of breast milk of high traffic flow urban mothers and low traffic flow urban mothers

Section three : Lead level in cow's and Buffalo's milk

5. Comparison between lead level in cow's Buffalo's milk

Section four : Blood lead level of breast feeding infants

6. comparison between blood lead level of 6 months old infants rural and urban
7. Comparison between blood lead level of breast feeding infants from low traffic flow areas to high traffic flow areas .
8. Comparison between blood lead level of breast feeding rural infants at 3 and 6 monthes age to

Sectin five : Blood lead level of artificial feeding infants .

9. Comparison between blood lead level of artificially feeding infants 6 monthes age (rural and urban).

10. Comparison between blood lead level of artifiicially feeeding 6 monthes infants of high traffic flow areas to low traffic flow areas .

11. Comparison between blood lead level of artificially feeding rural infants at 3 and 6 monthes.

Section sex :

12. Relationship between lead level in maternal blood & breast milk of rural mothers

13. Relationship between lead level in infant bloo and breast milk of rural mothers

14. RIeationship between lead level of infant bloo & maternal blood of rural areas

15. Relationship between lead level of maternal blood & breast milk of urban mothers

16. Relationship between lead level of infant blood & breast milk of urban mothers

17. Relationship between lead level of maternal blood & infant blood of urban areas

1. Comparison between blood lead level of reural and urban mothers

Maternal Blood	No	blood Lead level by µg/dl		
		$\bar{X}$	± SD	Range
Rural mothers	25	21.13	4.06	16.8 - 30.9
Urban mothers	25	25.63	3.28	18.4 - 34.2

t test 4.3
p < 0.001
very highly significant difference

2. Comparison between blood lead level of low traffic flow urban mothers and High traffic flow urban mothers

Maternal blood	No	blood Lead level by µg/dl		
		$\bar{X}$	± SD	Range
Low traffic flow	12	24.06	3.32	18.4 – 30.1
high traffic flow	13	27.07	3.1	22.3 – 34.2

t test 2.34
p values < 0.05
There is a significant difference

3. comparison between lead level of breast milk of rural and urban mothers

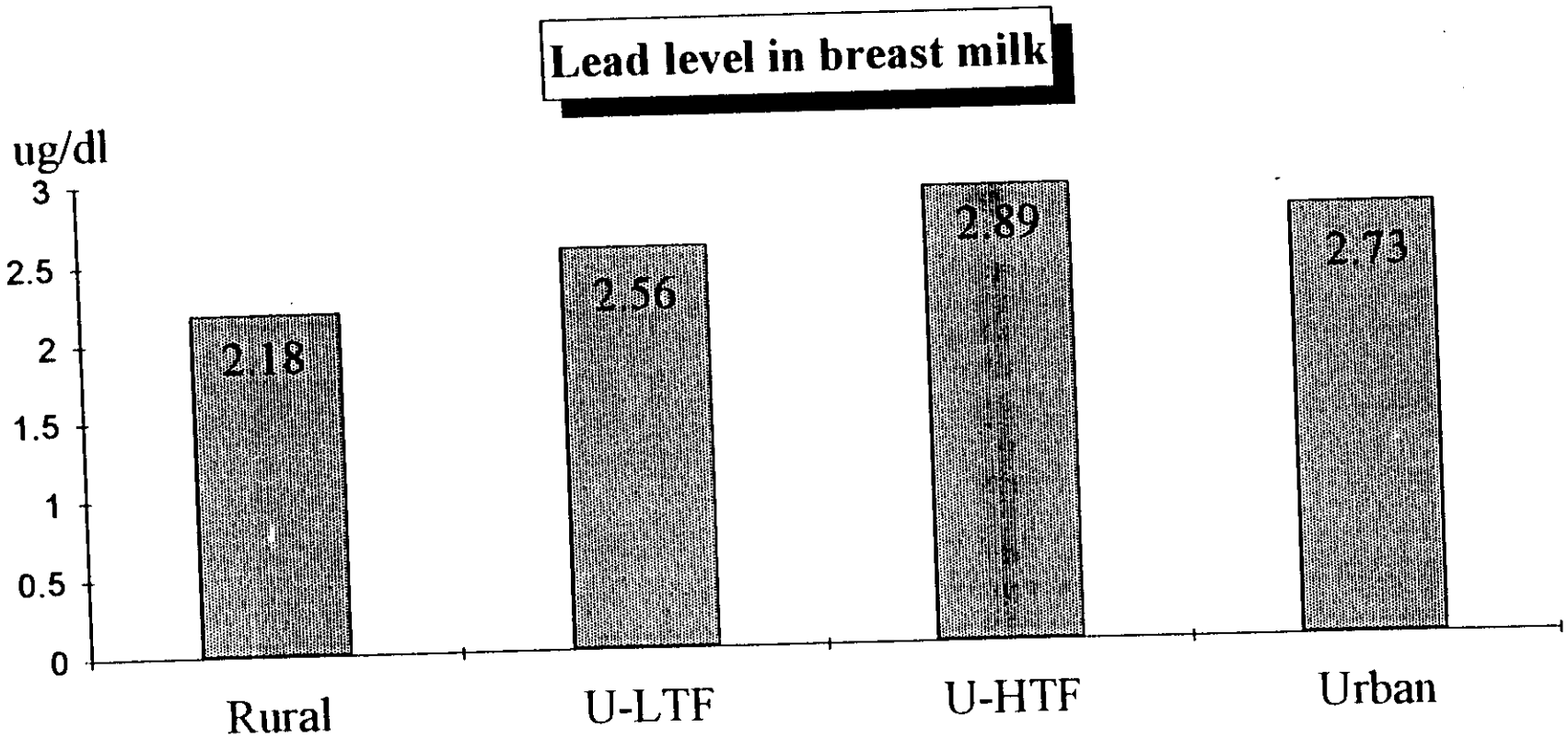
Breast milk	No	Lead level by µg/dl		
		$\bar{X}$	± SD	Range
Rural mothers	25	2.18	0.47	1.4 – 3.2
Urban mothers	25	2.73	0.42	1.9 – 3.4

t test 4.363
p < 0.001
very highly significant difference

4. Comparison between lead level of breast milk of high traffic flow urban mothers and low traffic flow urban mothers

Breast milk	No	Lead level by µg/dl		
		$\bar{X}$	± SD	Range
Low traffic flow urban mothers	12	2.56	0.38	1.9 – 3.2
High traffic flow urban mothers	13	2.89	0.41	2.0 – 3.4

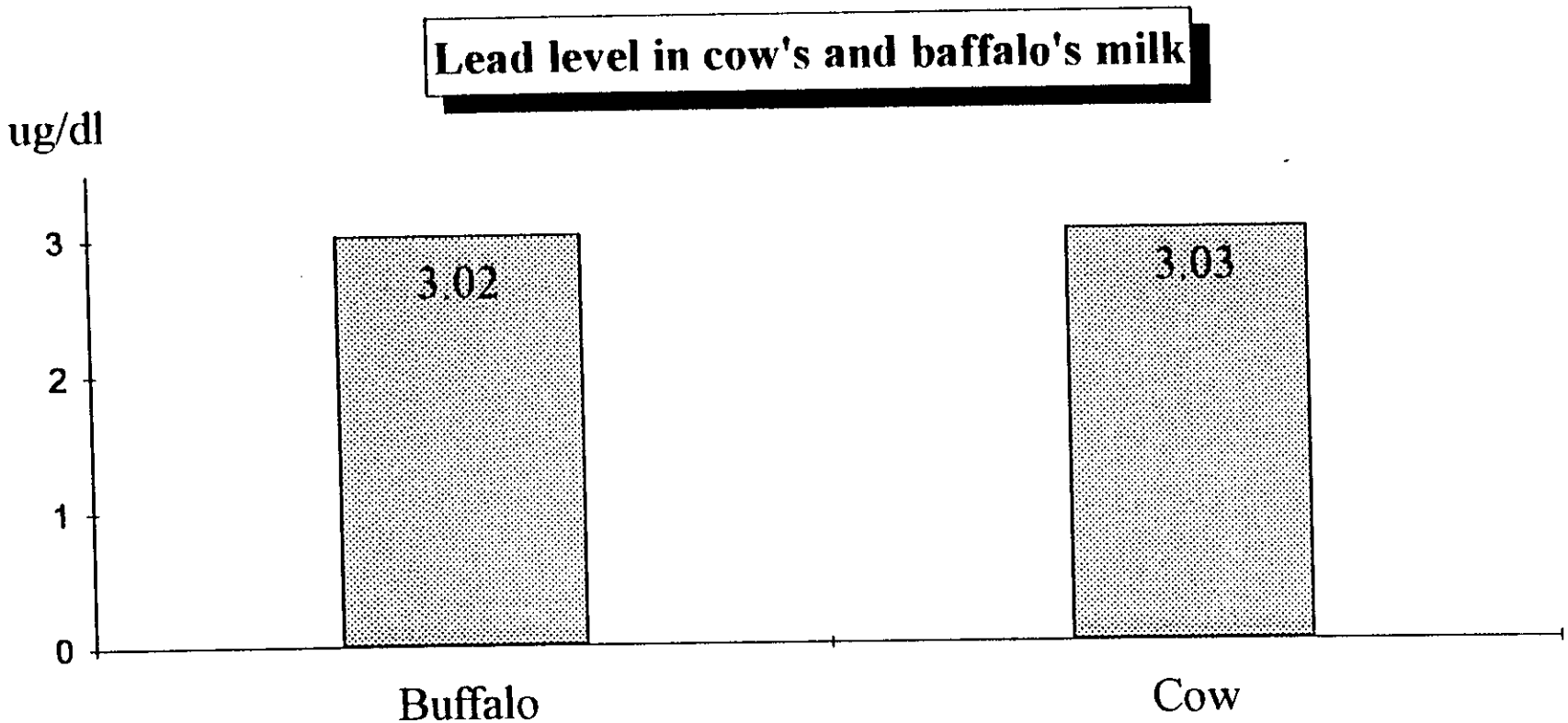
t test 2.088
p < 0.05
There is a significant difference


Lead level in breast milk
ug/dl
3
2.5
2
1.5
1
0.5
0
2.18
2.56
2.89
2.73
Rural
U-LTF
U-HTF
Urban

5-Comparison between lead level of cow's milk and Buffalo's milk

Type of milk	No	Lead level by µg/dl		
		$\bar{X}$	± SD	Range
Buffalo's milk	14	3.02	0.56	2.1 – 4.4
Cow's milk	16	3.03	0.2	2.8 – 3.4

t test 0.066
p value Non significant


Lead level in cow's and baffalo's milk
ug/dl
3
2
1
0
3.02
3.03
Buffalo
Cow

6- Comparison between blood lead level of breast feeding 6 months old infants rural and urban

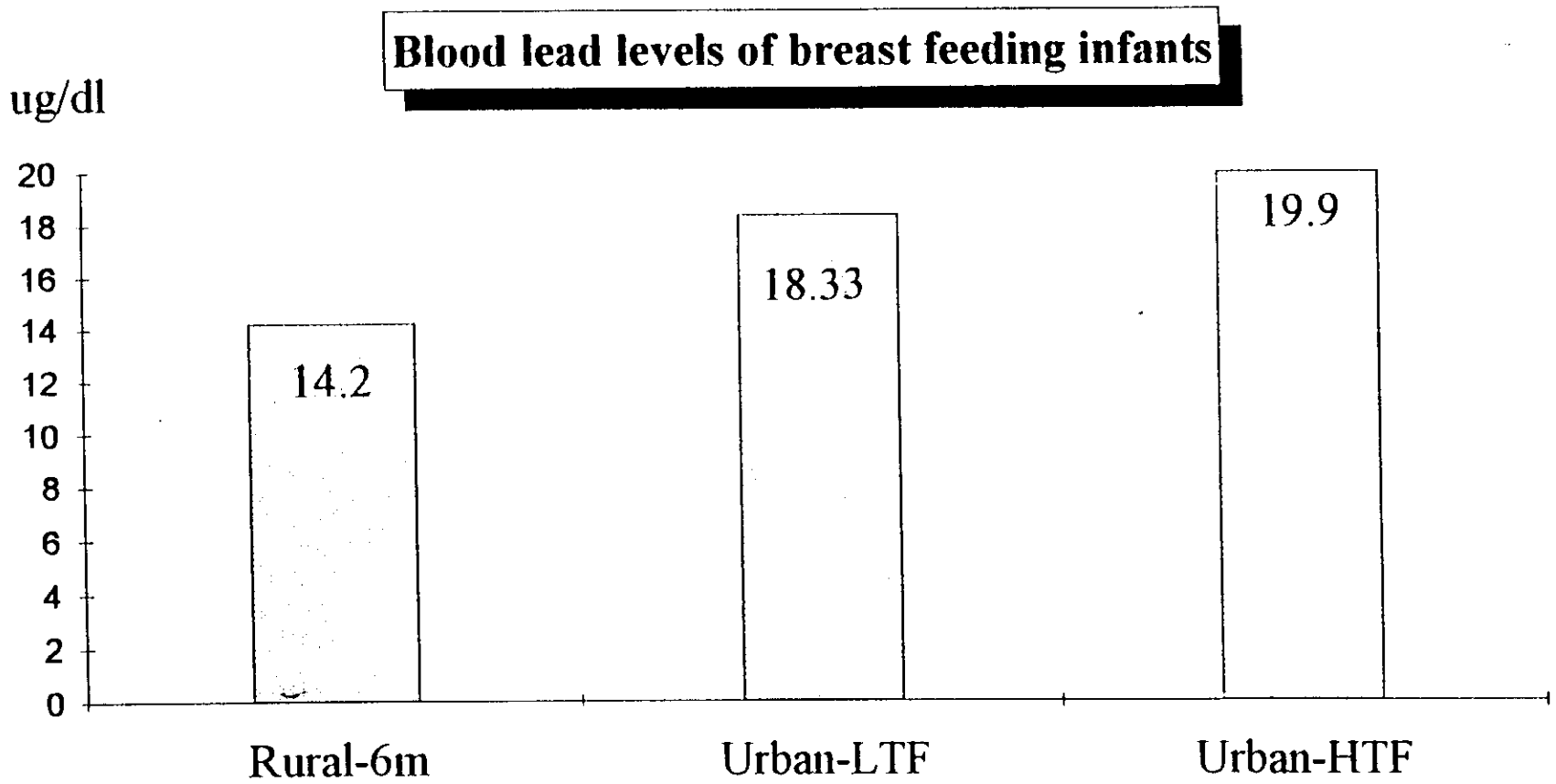
infants of breast feding	No	Lead level by µg/dl		
		$\bar{X}$	± SD	Range
Rural breast feeding infants	12	14.21	2.58	9.9 - 17.3
Urban breast feeding infants	26	18.86	2.07	14.1 - 22.7

t test 5.48
p value < 0.001
very highly significant difference

7. Comparison between blood lead level of breast feeding infants from low traffic flow areas to high traffic flow areas .

Urban infants of breast feeding	No	Lead level by µg/dl		
		$\bar{X}$	± SD	Range
Infants of low traffic flow areas	13	17.01	2.01	14.1 - 20.3
Infants of high traffic flow areas	13	19.32	1.53	17.2 - 22.7

t test 3.297
p values < 0.01
highly signifcant difference


Blood lead levels of breast feeding infants
ug/dl
20
18
16
14
12
10
8
6
4
2
0
14.2
18.33
19.9
Rural-6m
Urban-LTF
Urban-HTF

8- Comparison between blood lead level of breast feeding rural infants at 3 and 6 months aage.

Rural infants of breast feeding	No	Lead level by µg/dl		
		$\bar{X}$	± SD	Range
6 months	12	14.2	2.58	9.9 - 17.3
3 months	13	10.24	2.04	7.7 - 13.8

t test 4.23

p values < 0.001

very highly signifcant difference

9. Comparison between blood lead level of artificially feeding infants 6 monthes age (rural and urban).

Artificial feeding infants	No	Lead level by µg/dl		
		$\bar{X}$	± SD	Range
Rural 6 monthes infants	15	16.95	3.18	11.4 – 20.5
Urban 6 months infants	30	19.13	1.93	14.4 – 21.9

t test 2.27
p < 0.05
There is a significant difference

10. Comparison between blood lead level of artifiicially feeeding 6 monthes infants of high traffic flow areas to low. traffic flow areas .

Artificially feeding urban infants 6 months age	No	Lead level by µg/dl		
		$\bar{X}$	± SD	Range
High traffic flow urban infants	15	19.9	1.49	17.5 - 21.9
low traffic flow urban infants	15	18.33	2.41	14.4 - 21.6

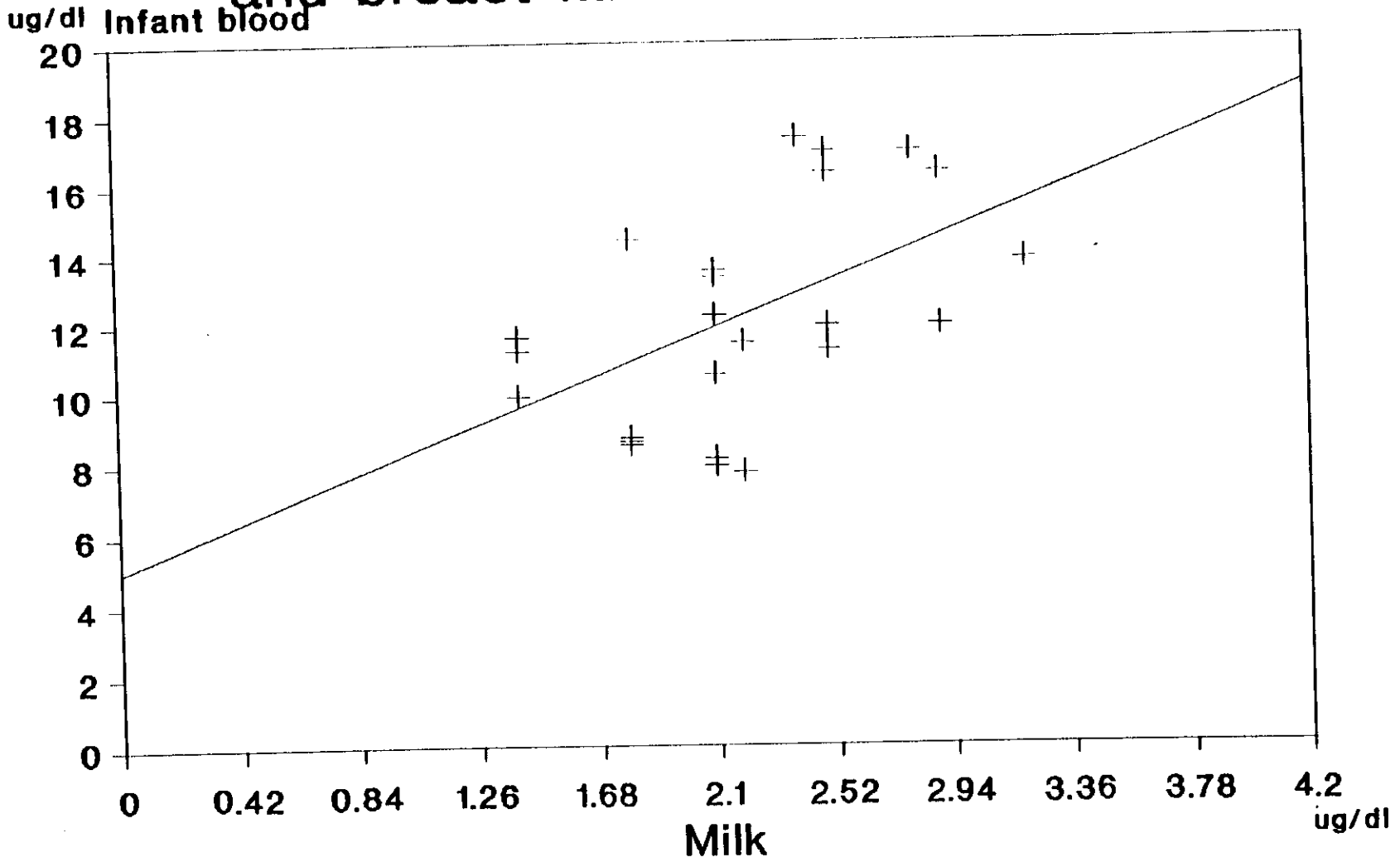
t test 2.14
p < 0.05
There is a significant difference

11. comparison between Blood lead level of artifically feeding rural infants at 3 and 6 monthes age.

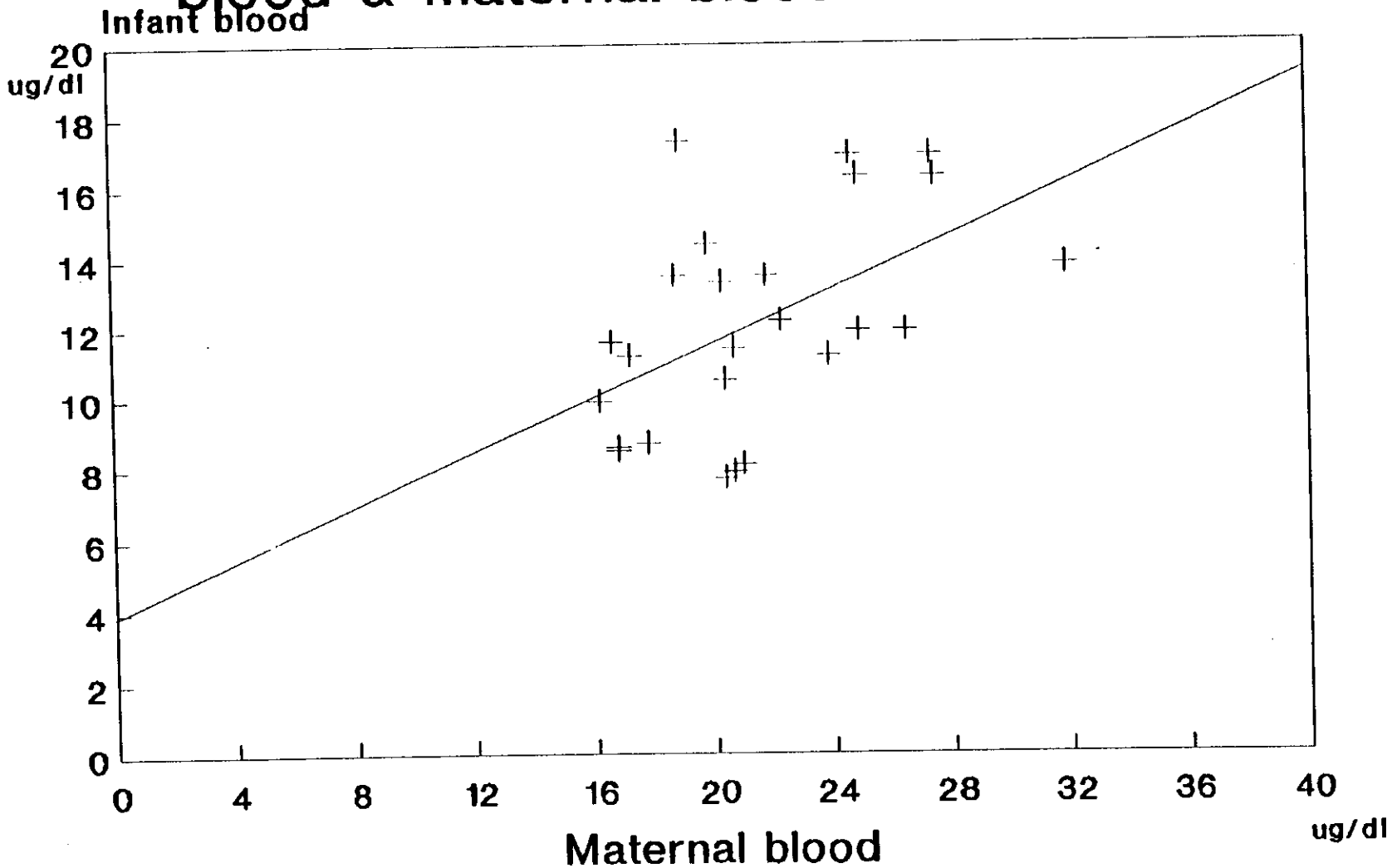
Artificially feeding Rural infants	No	Lead level by µg/dl		
		$\bar{X}$	± SD	Range
6 months	15	16.95	3.18	11.4 - 20.5
3 months	15	11.04	2.14	8.8 - 15.3

t test 5.97
$p < 0.001$
very highly significant difference

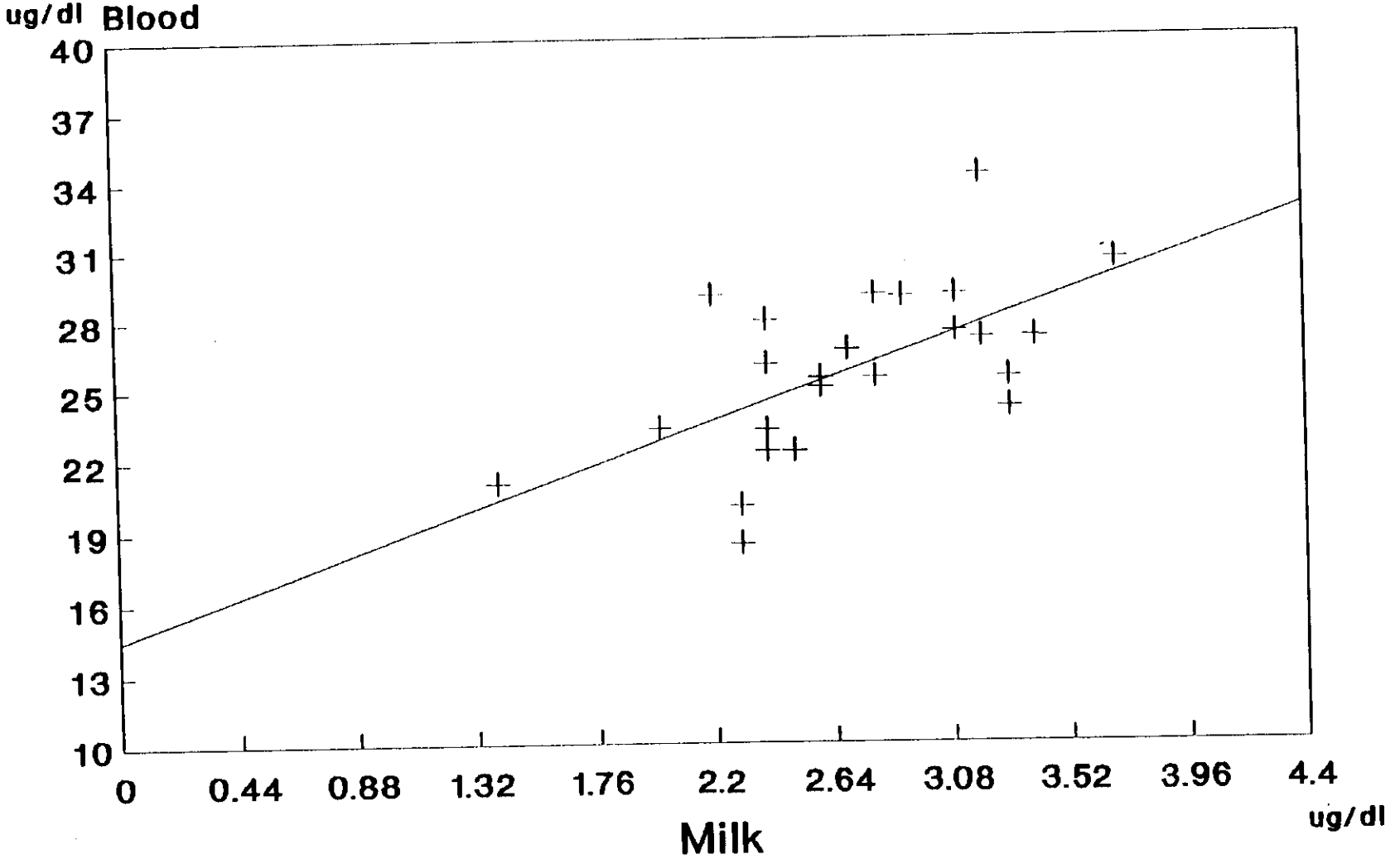
Relationship between lead level in infant blood and breast milk of rural mothers



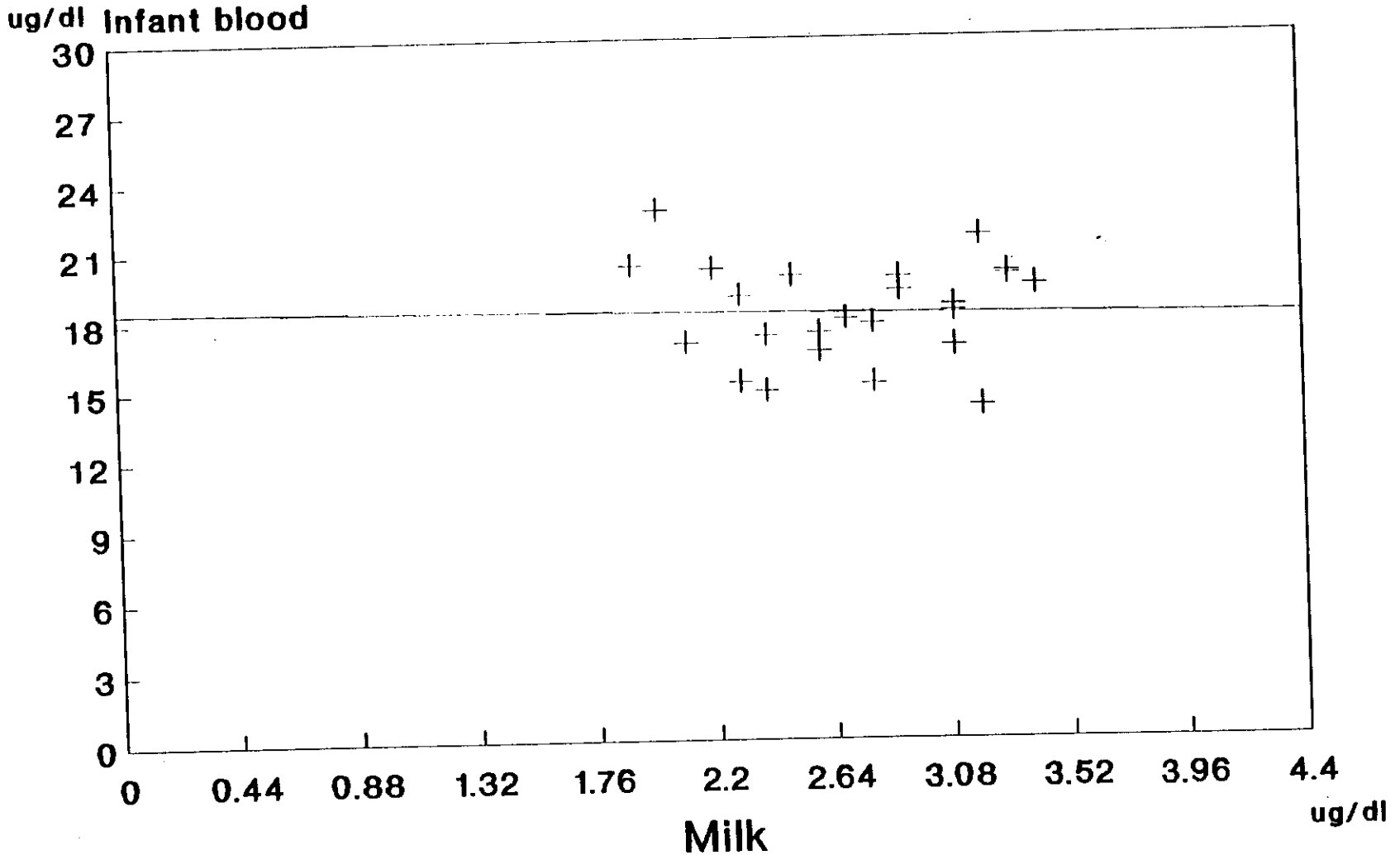
Relationship between lead level of infant blood & maternal blood of rural areas



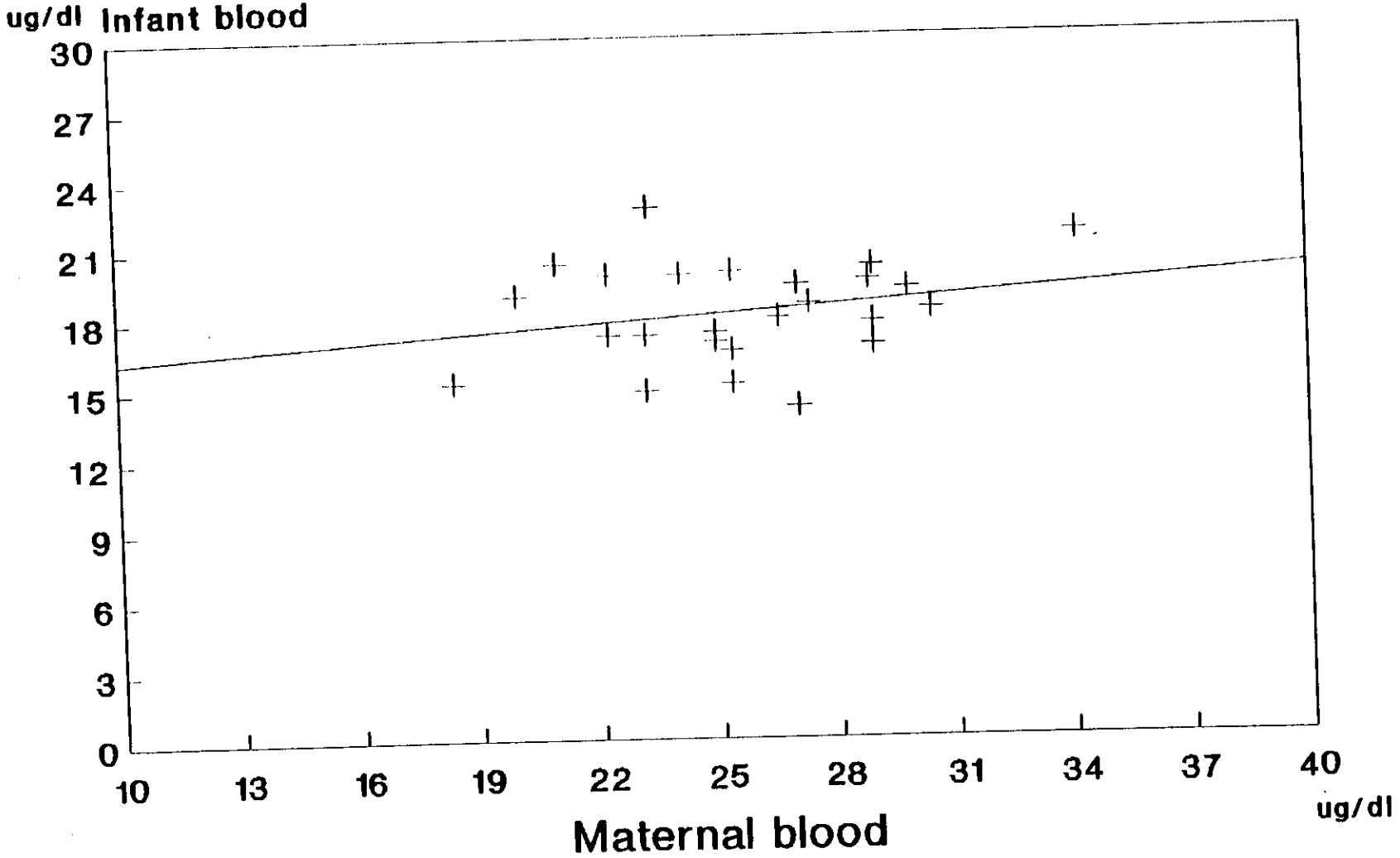
Relationship between lead level of maternal blood & breast milk of urban mothers



Relationship between lead level of infant blood & breast milk of urban mothers



Relationship between lead level in maternal blood & infant blood of urban areas



Discussion