

SUMMARY TABLE OF NON QUANTITATIVE FACTORS.

BARREL FILLERS ETHYL 1929

	Number	Per Cent	
Ethyl Fluid Exposure			Nocturia
Plus	0	0	None
Zero	22	100	Plus
Other Lead Exposure			Neuritic Symptoms
Plus	6	27	None
Plus or Minus	6	27	Plus
Zero	10	46	Chest Lesions
Children since 1925	9		None
Children per married man(18)	.5		Plus
Miscarriages since 1925	0		Abdominal Lesions
Recent loss of weight			None
Plus	0		Pelvic Lesions
Plus or Minus	0		None
None	22	100	Hem
General Health			Her
Plus	22	100	With lesions
Constipation			Nose & Throat Lesions
None	19	86	None
Plus	1	5	R.
Plus or Minus	2	9	S.D.L.orR.
Diarrhea			C.T.
None	22	100	C.R.
Fatigue			A.R.
None	22	100	With Lesions
Headache			Pyorrhea
None	19	86	None
Plus or Minus	2	9	With
Plus	1	5	Skin of Hands
Abdominal Cramps			Normal
None	20	91	Not normal
Plus	1	5	Nutrition
Plus or Minus	1	4	Plus
Disgestive Disturbances			Plus or Minus
None	21	95	Minus
Plus	1	5	Two Plus

SUMMARY TABLE OF NON QUANTITATIVE FACTORS. PART II

BARREL FILLERS ETHYL 1929

	Number	Per Cent.	
Visual Field			Sensory Disturbances
Normal	20	90	None
Not Normal	2	10	Present
Pallor			Upper Extremity Atrophy
None	21	95	None
Present	0	0	Present
Flushed	1	5	Extensor Paresis
Lead Line			None
None	22	100	Urinary Acidity
Stippling			None
None	21	95	Plus
With (2)	1	5	Albuminuria
Tremor's			None
None	13	59	Glycosuria
Present	9	41	None
Nerve Trunk Tenderness			
None	20	95	
Present	1	5	

SUMMARY

	Number
Ethyl Fluid Exposure	
None	27
Other Lead Exposure	
None	16
Plus	n3
Plus or minus	7
Two plus	1
Children since 1925	11
Children per married man(15)	.7
Miscarriages since 1925	0
Recent loss of weight	
None	27
General Health	
Plus	27
Constipation	
None	24
Plus or minus	2
Plus	1
Diarrhea	
None	27
Fatigue	
None	24
Plus	2
Plus or minus	1
Headache	
None	25
Plus or minus	2

TABLE OF NON QUANTITATIVE FACTORS

BARREL FILLERS PLAIN 1929

Per cent		Number	Percent
	Abdominal Cramps		
100	None	24	88
	Plus or minus	2	8
59	Plus	1	4
11	Digestive Disturbances		
26	None	26	96
4	Plus	1	4
	Nocturia		
	None	17	63
	Plus or minus	3	11
	Plus	7	26
100	Neuritic Symptoms		
	None	27	100
100	Chest Lesions		
	None	25	92
89	Plus	2	8
7	Abdominal Lesions		
4	None	25	92
	Plus	2	8
100	Pelvic Lesions		
	None	21	78
89	Her.	5	
7	Hem.	1	
4	With lesions	6	22
	Nose & Throat Lesions		
92	None	10	37
8	C.T.	9	
	R.	7	
	S.D.L.or R.	3	
	N.O.	2	
	C.R.	1	
	E.T.	1	
	With one or more lesions	17	63

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SUMMARY TABLE OF NON QUANTITATIVE FACTORS

BARREL FILLERS PLAIN 1929 PART II

	Number	Per Cent	
Pyorrhea			Tremors
None	7	26	None
Plus	15	56	Present
Two Plus	4	18	Nerve Trunk Tenderness
Skin of Hands			None
Normal	11	40	Present
Not Normal	1	4	Sensory Disturbances
Dry	15	56	None
Nutrition			Upper Extremity Atrophy
Plus	13	48	None (no information)
Plus or minus	7	26	Extensor Paresis
Minus	4	15	None (no information)
Two Plus	3	11	Urinary Acidity
Visual Field			None
Normal (no information 4)	23	100	Plus
Pallor			Albuminuria
None	12	45	None
Pallor	8	29	Glycosuria
Flushed	7	26	None
Lead Line			Present
None	27	100	
Stippling			
None	8	30	
1 - 4.9	6		
5 - 9.9	4		
10 - 19	3		
20 - 29	6		
With stippling	19	70	

SUMMARY TABLE OF NON QUANTITATIVE FACTORS

FILLING STATION ETHYL L929

	Number	Per cent	
Ethyl Fluid Exposure			Abdominal Cramps
None	29	52	None
Plus	27	48	Plus or minus
Other Lead Exposure			Plus or minus
None	37	66	Digestive Disturbances
Plus or Minus	16	29	None
Plus	3	5	Plus or minus
Children since 1925	17		Plus
Children per married man(52)	.3		Nocturia
Miscarriages since 1925	8		None
Recent Loss of Weight			Plus or minus
None	52	92	Plus
Plus	3	6	Neuritic Symptoms
Plus or minus	1	2	None
General Health			Present
Plus	55	98	Chest Lesions
Plus or minus	1	2	None
Constipation			Ky.
None	40	71	C.D.
Plus or minus	5	9	Em.
Plus	11	20	A.S.
Diarrhea	5		Br.
None	56	100	With one or more lesion
Fatigue			Abdominal Lesions
None	54	96	None
Plus or minus	1	2	Her.
Plus	1	2	Hy. Liv.
Headache			With lesions
None	39	70	
Plus or minus	11	20	
Plus	6	10	

SUMMARY TABLE OF NON QUANTITATIVE FACTORS

FILLING STATION ETHYL 1929 PART II

	Number	Per cent	
Pelvic Lesions			Pallor
None	48	86	None
Her.	2		Pallor
P.Hy.	1		Flushed
R.Hy.	1		Lead Line
Hem.	1		None
L.V.	1		Plus or Minus
V.	1		Stippling
Hy.	1		None
With lesions	8	14	Under 10
Nose & Throat Lesions			10 - 19
None	30	54	20 - 39
S.D.R.orL.	14		With Stippling
I.T.	7		Tremors
C.R.	7		None
C.T.	6		Present
R.	4		Nerve Trunk Tenderness
S.I.	1		None
Hy. T.	1		Present
N.U.	1		Sensory Disturbances
With one or more lesions	26	46	None
Pyorrhea			Present
None	36	64	Upper Extremity Atrophy
Plus	15	27	None
Two Plus	5	9	Present
Skin of Hands			Extensor Paresis
Normal	45	80	None
Not Normal	11	20	Present
Nutrition			Urinary Acidity
Plus	25	45	None
Plus or minus	20	36	Present
Two Plus	7	13	Albuminuria
Minus	4	6	None
Visual Field			Glycosuria
Normal	54	96	None
Not Normal	2	4	Present

SUMMARY TABLE OF NON QUANTITATIVE FACTORS

TANK WAGON ETHYL 1929

	Number	Per cent	
Ehtyl Fluid Exposure			Digestive disturbances
None	32	64	None
Plus	18	36	Plus or minus
Other Lead Exposure			Plus
None	24	48	Nocturia
Plus or minus	18	36	None
Plus	8	16	Plus or minus
Children since 1925	19		Plus
Children per married man(46)	.4		Neuritic Symptoms
Miscarriages since 1925	0		None
Recent Loss of Weight			Chest Lesions
None	48	96	None
Plus	2	4	C.H.
General Health			C.D.
Plus	48	98	V.D.
Plus or minus	1	2	V.V.
Constipation			With lesions
None	39	80	Abdominal Lesions
Plus or minus	5	10	None
Plus	5	10	Her.
Diarrhea			Hy. Liv.
None	49	100	With lesions
Fatigue			Pelvic Lesions
None	48	98	None
Plus	1	1	Hem.
Plus or minus	1	1	Ing. Lym. Ad.
Headache			Her.
None	38	78	L.V.
Plus or minus	9	18	Fis.
Plus	2	4	Hyp.
Abdominal Cramps			With lesions
None	44	90	Nose & Throat Lesions
Plus	2	4	None
Plus or minus	3	6	S.D.L.orR.
			C.R.
			C.T.
			A.R.
			I.T.
			R.
			C.D.
			With lesions

SUMMARY TABLE OF NON QUANTITATIVE FACTORS

TANK WAGON ETHYL 1929 PART II

	Number	Per cent	
Pyorrhea			Tremors
None	20	41	None
Plus	27	55	Present
Two plus	2	4	Nerve Trunk Tenderness
Skin of hands			None
Normal	37	76	Present
Not normal	12	24	Upper Extremity Atrophy
Nutrition			None
Plus	23	46	Present
Plus or minus	10	20	Sensory Disturbances
Two plus	15	30	None
Minus	2	4	Present
Visual Field			Extensor Paresis
Normal	49	98	None
Not normal	1	2	Present
Pallor			Urinary Acidity
None	40	80	None
Pallor	2	4	Plus
Flushed	8	16	Albuminuria
Lead Line			None
None	49	98	Present
Plus or minus	1	2	Glycipsuria
Stippling			None
None	32	65	Present
1	8		
2	4		
4	1		
6	1		
7	1		
10	1		
16	1		
With stippling	17	35	

CORRELATION COEFFICIENTS
GARAGE MECHANICS EXPOSURE 1929

Costal Angle

And

Mgrms. Pb. per
Liter of urine..... $r = +.153 \pm .005$

Mgrms. Pb. per
Grm. ash in the
faeces..... $r = -.036 \pm .005$

stable
In each case the coefficient is relatively ^{stable} with reference to its own probable error, the magnitude of the coefficient is so low that it suggests no association between the variables in question. Since the coefficient is low and since the sign is reversed, in short, neither the magnitude nor direction of the association is of any consequence, one may conclude that neither the excretion of lead, and conversely, its being stored within the body, has any relation to the diathesis of the individual, when diathesis or constitution is measured crudely by means of the costal angle.

SUMMARY TABLE OF NON QUANTITATIVE FACTORS

GARAGE MECHANICS EXPOSURE 1929

	Number	Per cent	
Ethyl Fluid Exposure			Abdominal cramps
None	200	99	None
Plus	2	1	Plus
Other Lead Exposure			Plus or minus
None	2	1	Disgestive disturbances
Plus	170	85	None
Plus or minus	29	14	Plus or minus
Children since 1925	87		Plus
Children per married man(152)	.6		Nocturia
Miscarriages since 1925	7		None
Recent loss of weight			Plus
Plus	7	4	Plus or minus
Plus or minus	2	1	Neuritic Symptoms
None	193	95	None
General Health			Plus
Plus	189	94	Chest Lesions
Plus or minus	11	5	None
Minus	1	1	Br.
Constipation			C.D.
None	155	77	Adh.
Plus or minus	26	13	T.B.C.
Plus	20	10	L.Acr.
Diarrhea			Emp.
None	199	98	Pleur.
Plus or minus	3	2	With lesions
Fatigue			Abdominal Lesions
None	190	95	None
Plus	8	4	Not specified
Plus or minus	3	1	Her.
Headache			Hy.Liv.
None	104	52	Ulcer
Plus or minus	66	33	Cir. Liv.
Plus	31	15	With lesions

SUMMARY TABLE OF NON QUANTITATIVE FACTORS

GARAGE MECHANICS EXPOSURE 1929 PART II

	Number	Per cent	
Pelvic Lesions			Pallor
None	183	91	None
L.V.	5		Present
L.Scar	5		Flushed
Her.	5		Lead Line
Atr.	1		None
Hy.	1		Stippling
Hem.	1		None
With lesions	18	9	1
Nose & Throat Lesions			2 - 5.9
None	92	46	6 - 10
S.D.R.orL.	49		11 - 20
C.R.	48		With stippling
C.T.	29		Tremors
R.	16		None
S.T.	1		Present
C.P.	1		Nerve Trunk Tenderness
Spur	1		None
With one or more lesions	109	54	Present
Pyorrhea			Sensory Disturbances
None	82	41	None
Plus	104	52	Present
Two Plus	15	7	No Information
Skin of Hands			Upper extremity atrophy
Normal	145	72	None
Not normal	56	28	Present
Nutrition			Extensor Paresis
Plus	113	57	None
Plus or minus	49	24	Present
Two plus	31	15	Urinary Acidity
Minus	8	4	None
Visual Field			Present
Normal	201	100	Albuminuria
			None
			Present
			Glycosuria
			None
			Present