

Sorveglianza sulla salute della  
Popolazione nei pressi del  
Termovalorizzatore di  
Torino



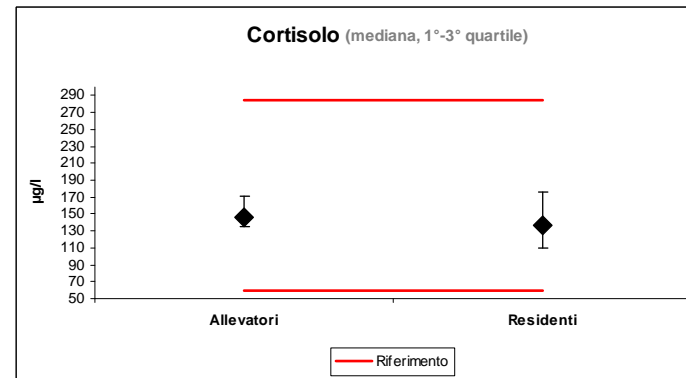
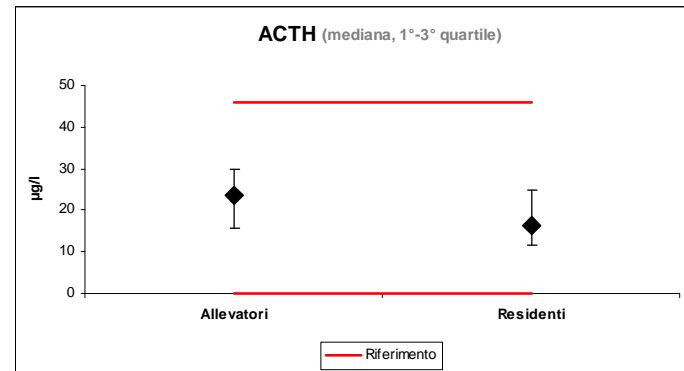
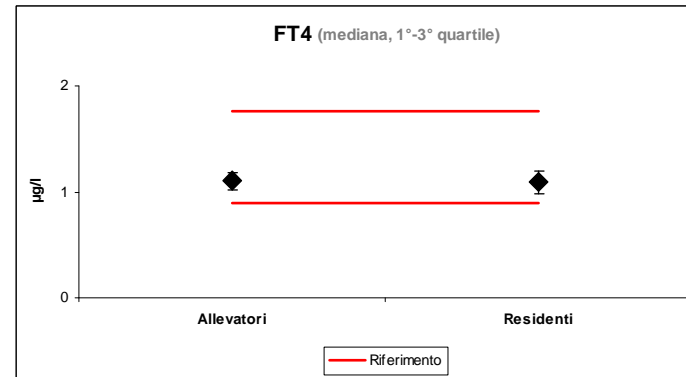
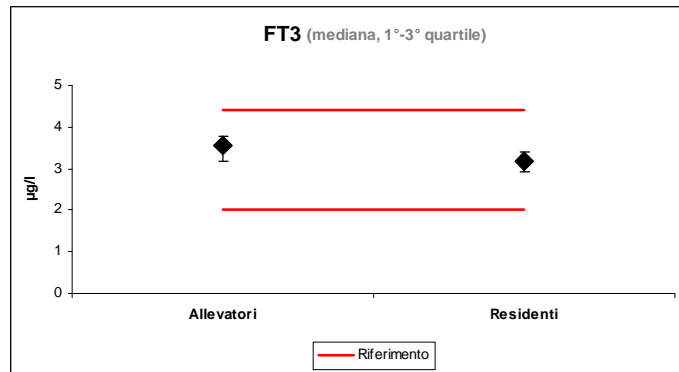
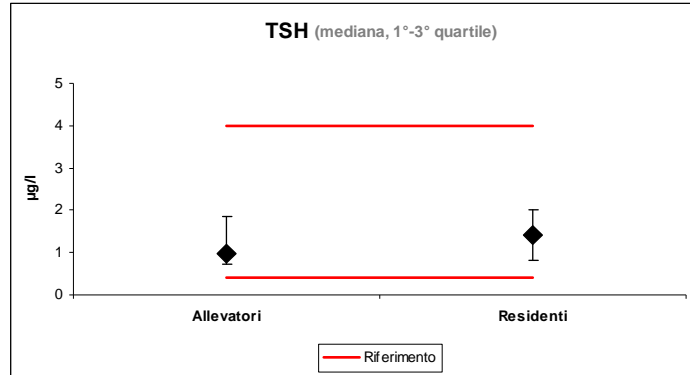
# Allevatori e lavoratori

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Manuela Oreggia  
29 gennaio 2014  
Comitato Locale di Controllo

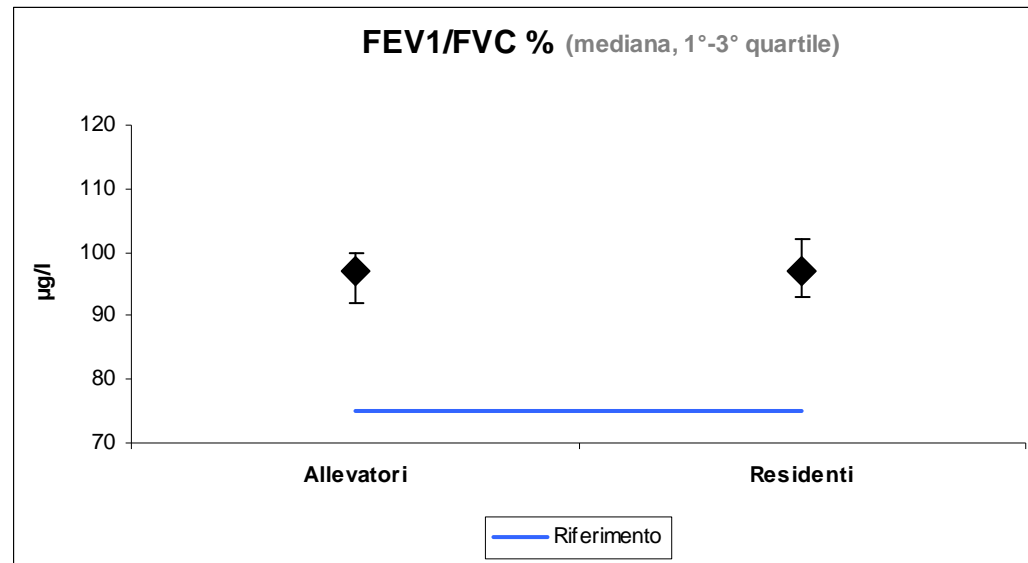
# 14 allevatori

- Tutti maschi
- Età media: 52,5 anni
- 13 allevatori riferiscono un punteggio  $> 7$  per lo stato di salute
- La media dei parametri ematochimici è nella norma

# Funzionalità endocrina

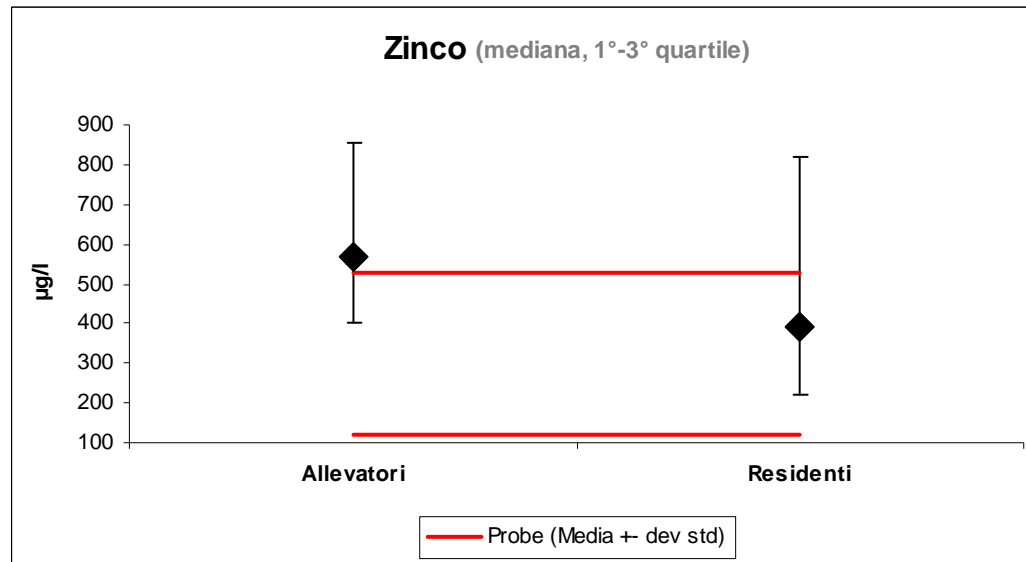


# Funzionalità respiratoria



# Allevatori

<i>Parametro</i>	<i>Media</i>	<i>Std Dev</i>	<i>Mediana</i>	<i>Minimo</i>	<i>Massimo</i>	<i>Range</i>
<i>Antimonio µg/L</i>	0.09	0.06	0.10	0.01	0.22	0.21
<i>Arsenico µg/L</i>	38.02	80.05	13.00	5.22	313.375	308.15
<i>Berillio µg/L</i>	0.19	0.19	0.15	0.02	0.79	0.77
<i>Cadmio µg/L</i>	0.89	0.50	0.82	0.10	2.12	2.02
<i>Cobalto µg/L</i>	0.20	0.11	0.19	0.06	0.47	0.41
<i>Cromo µg/L</i>	0.23	0.16	0.19	0.08	0.67	0.59
<i>Iridio ng/L</i>	2.33	1.30	2.17	0.60	4.60	4.00
<i>Manganese µg/L</i>	0.18	0.08	0.16	0.12	0.44	0.32
<i>Mercurio µg/L</i>	2.28	1.94	1.68	0.80	8.18	7.38
<i>Nichel µg/L</i>	0.84	0.51	0.84	0.16	1.94	1.78
<i>Palladio ng/L</i>	20.39	10.43	17.60	10.01	42.73	32.72
<i>Platino ng/L</i>	5.37	4.86	3.06	1.81	17.45	15.64
<i>Rame µg/L</i>	15.37	10.56	11.58	5.73	47.31	41.58
<i>Rodio ng/L</i>	27.75	21.72	19.22	7.87	78.44	70.57
<i>Stagno µg/L</i>	0.82	0.56	0.64	0.26	2.18	1.92
<i>Tallio µg/L</i>	0.25	0.08	0.24	0.13	0.43	0.30
<i>Vanadio µg/L</i>	0.04	0.03	0.03	0.01	0.10	0.09
<i>Zinco µg/L **</i>	720.13	548.11	569.89	245.53	2400.31	2154.78
<i>Piombo µg/L</i>	29.06	15.09	32.03	8.62	53.27	44.65

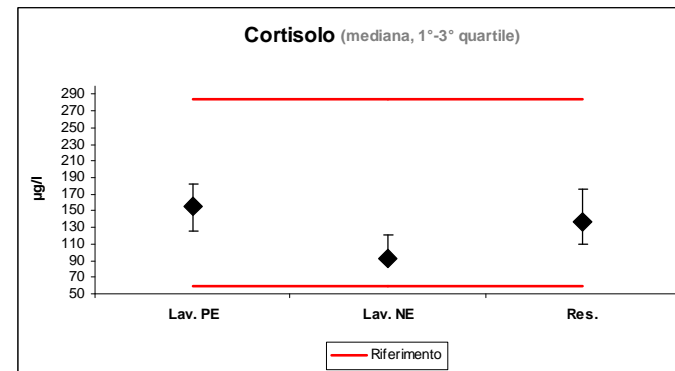
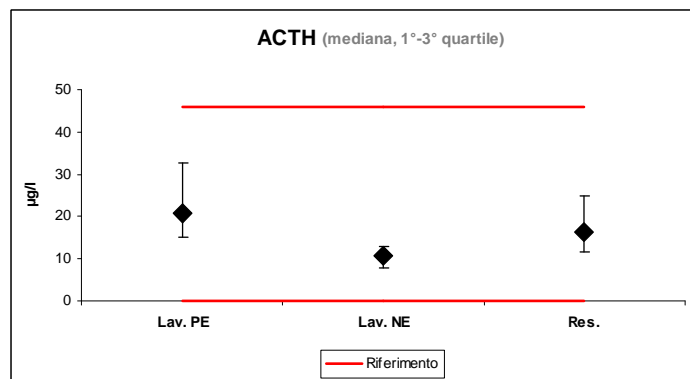
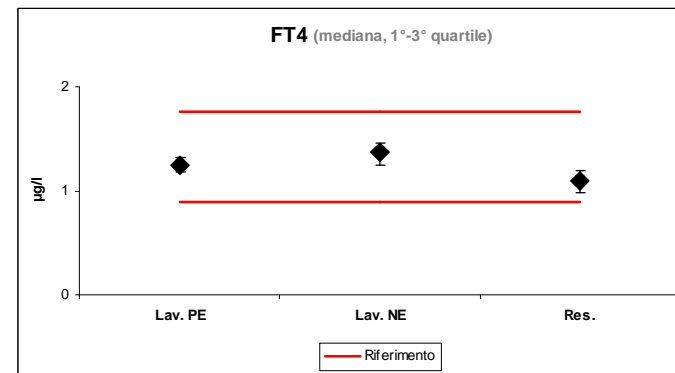
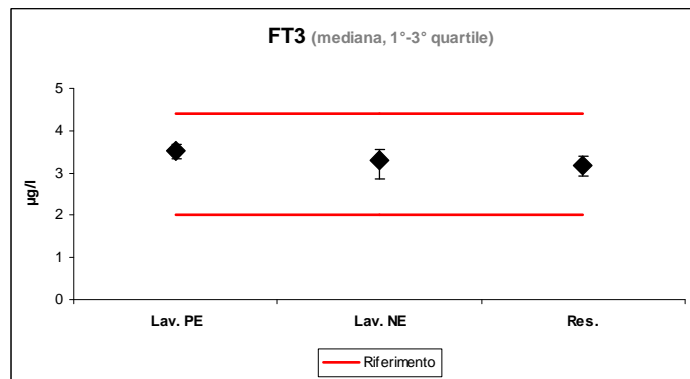
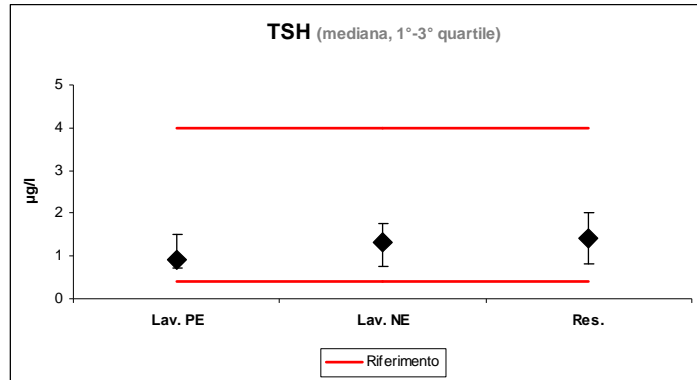


# 23 lavoratori

## A febbraio ne sono prenotati altri

- 17 lavoratori (77%) riferiscono un punteggio > 7 per lo stato di salute
- La media dei parametri ematochimici è nella norma

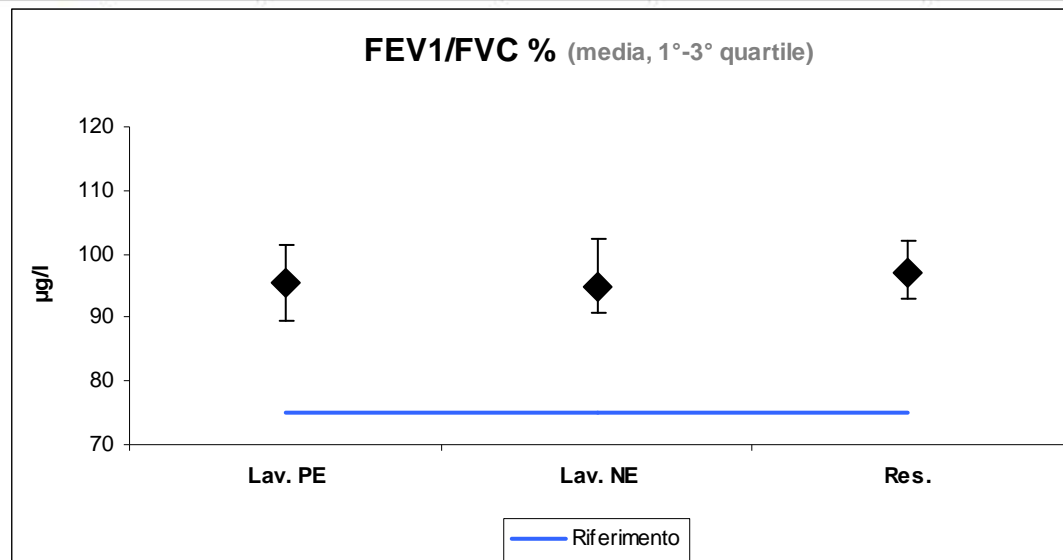
# Funzionalità endocrina





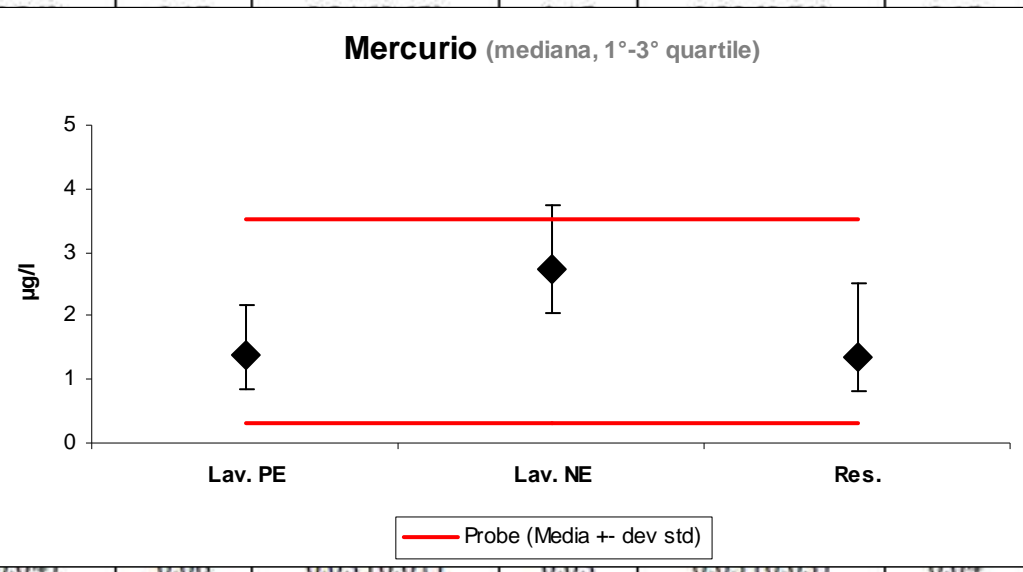
# Funzionalità respiratoria

Parametro		PE		NE		Totale lavoratori		Residenti	
		Media (dev. std)	Mediana	Media (dev. std)	Mediana	Media (dev. std)	Mediana	Media (dev. std)	Mediana
FEV1	l	3,69 (0,60)	3,87	3,70 (0,81)	3,52	3,70 (0,69)	3,77	3,08 (0,80)	3,04
	%*	98,75 (13,14)	101	111,64 (11,32)	112	104,91 (13,71)	104	106,89 (16,56)	108
FVC	l	4,82 (0,89)	4,77	4,73 (1,49)	4,12	4,78 (1,19)	4,56	3,83 (0,98)	3,79
	%	104,67 (15,32)	107,5	119,45 (19,56)	117,0	111,74 (18,66)	112	109,88 (17,5)	111
PEF	l	8,34 (2,47)	8,45	7,19 (2,38)	7,23	7,79 (2,44)	8,07	6,88 (2,18)	6,46
	%	92,58 (25,39)	96	94,54 (29,09)	102	93,52 (26,60)	101	94,09 (20,87)	94
FEV1/FVC	l	77,09 (5,7)	77,32	80,06 (10,77)	80,92	78,51 (8,49)	79,2	80,32 (6,35)	80,57
	%	94,83 (7,51)	95,5	94,98 (13,14)	94,92	94,90 (10,33)	95	97,25 (7,55)	97

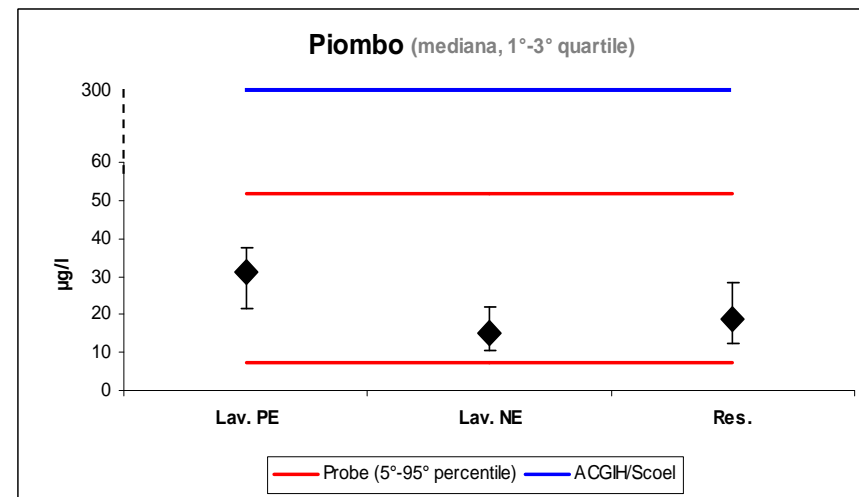
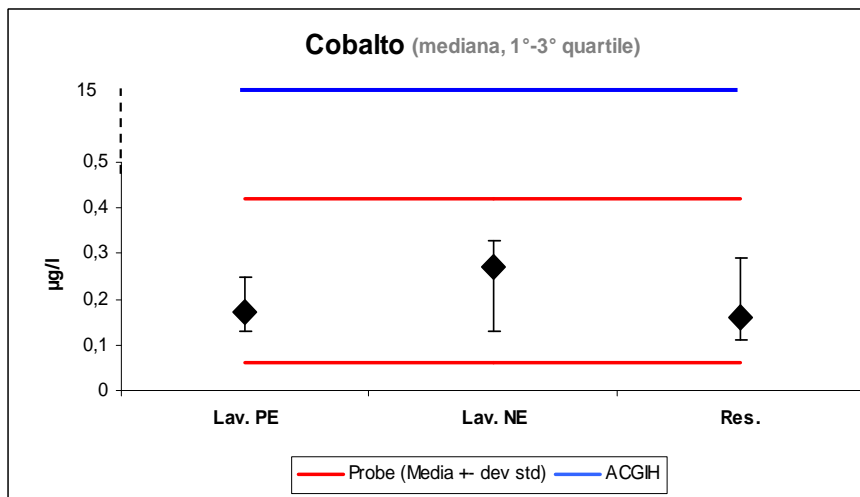
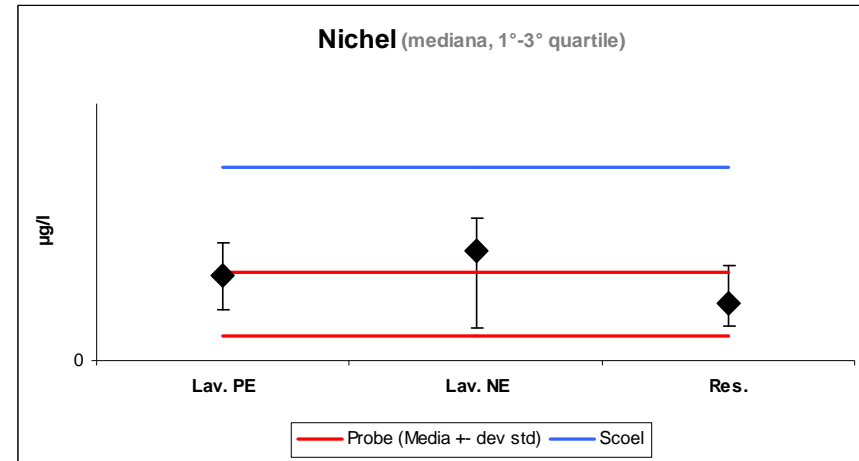
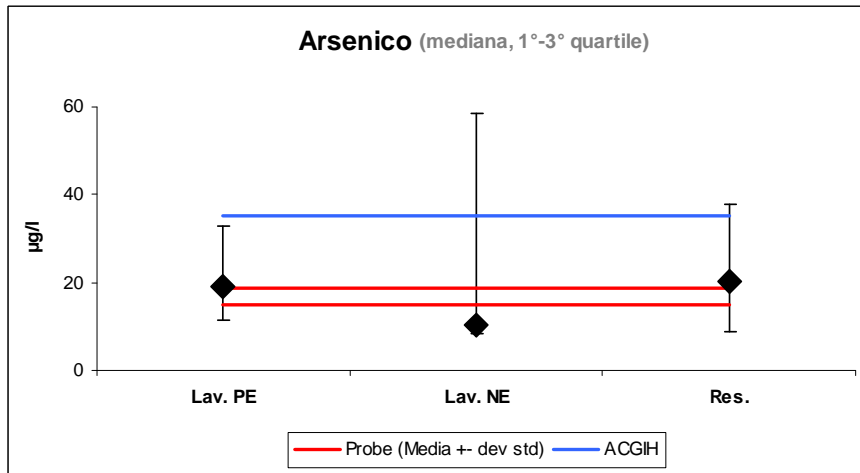


# Lavoratori

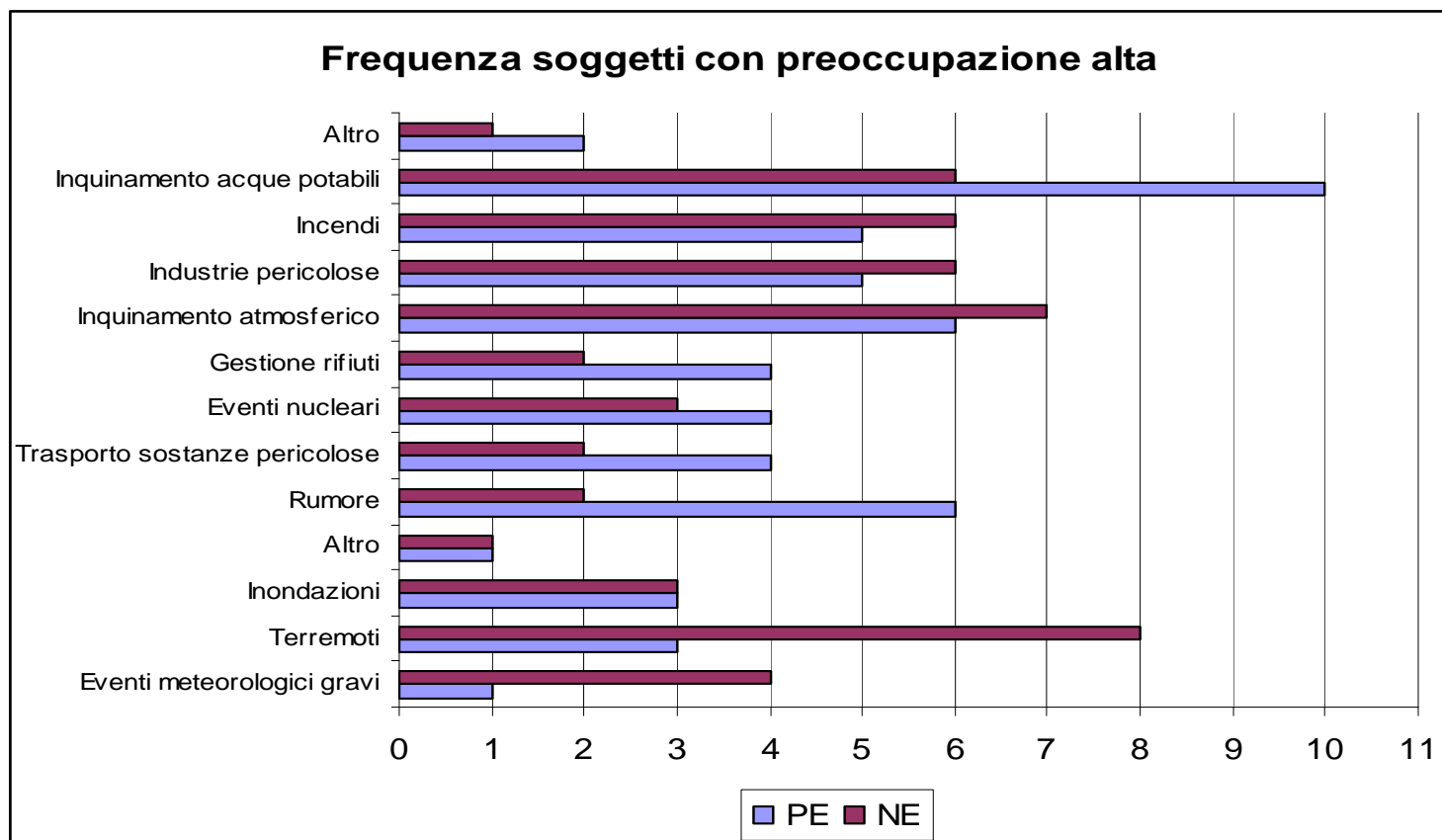
Parametro		PE		NE		Totale lavoratori		Residenti	
		Media (dev. std)	Mediana	Media (dev. std)	Mediana	Media (dev. std)	Mediana	Mediana maschi	Mediana totale
Antimonio	µg/l	0.10 (0.05)	0.09	0.09 (0.06)	0.08	0.10 (0.06)	0.09	0.07	0.07
<b>Arsenico</b>	µg/l	42.06 (55.97)	19.07	40.32 (50.14)	10.14	41.23 (52.06)	15.88	21.04	20.32
Berillio	µg/l	0.13 (0.04)	0.12	0.12 (0.09)	0.10	0.13 (0.07)	0.11	0.17	0.16
Cadmio	µg/l	1.44 (1.14)	1.29	0.94 (0.64)	0.92	1.20 (0.95)	1.03	0.72	0.72
<b>Cobalto</b>	µg/l	0.20 (0.12)	0.17	0.42 (0.57)	0.27	0.31 (0.41)	0.18	0.16	0.16
Cromo	µg/l	0.27 (0.12)	0.27	0.27 (0.12)	0.27	0.27 (0.12)	0.27	0.17	0.17
Iridio	ng/l	2.31 (0.90)	2.31	2.31 (0.90)	2.31	2.31 (0.90)	2.31	1.63	1.70
Manganese	µg/l	0.24 (0.10)	0.24	0.24 (0.10)	0.24	0.24 (0.10)	0.24	0.12	0.13
Mercurio**	µg/l	1.64 (0.64)	1.64	1.64 (0.64)	1.64	1.64 (0.64)	1.64	1.46	1.36
<b>Nichel</b>	µg/l	1.45 (0.55)	1.45	1.45 (0.55)	1.45	1.45 (0.55)	1.45	0.90	0.90
Palladio	ng/l	30.19 (11.27)	30.19	30.19 (11.27)	30.19	30.19 (11.27)	30.19	23.93	24.40
Platino	ng/l	5.28 (2.03)	5.28	5.28 (2.03)	5.28	5.28 (2.03)	5.28	2.96	3.04
Rame	µg/l	16.15 (6.07)	16.15	16.15 (6.07)	16.15	16.15 (6.07)	16.15	12.26	10.86
Rodio	ng/l	25.88 (9.71)	25.88	25.88 (9.71)	25.88	25.88 (9.71)	25.88	18.28	17.98
Stagno	µg/l	1.95 (0.74)	1.95	1.95 (0.74)	1.95	1.95 (0.74)	1.95	0.69	0.64
Tallio	µg/l	0.22 (0.08)	0.22	0.22 (0.08)	0.22	0.22 (0.08)	0.22	0.29	0.27
Vanadio	µg/l	0.07 (0.03)	0.07	0.07 (0.03)	0.07	0.07 (0.03)	0.07	0.04	0.03
Zinco	µg/l	671.12 (266.47)	710.20	522.97 (363.21)	583.35	600.27 (318.11)	627.35	509.52	391.74
<b>Piombo**</b>	µg/l	79.71 (11.39)	31.28	20.11 (16.97)	14.95	25.3 (14.67)	22.57	21.77	18.90



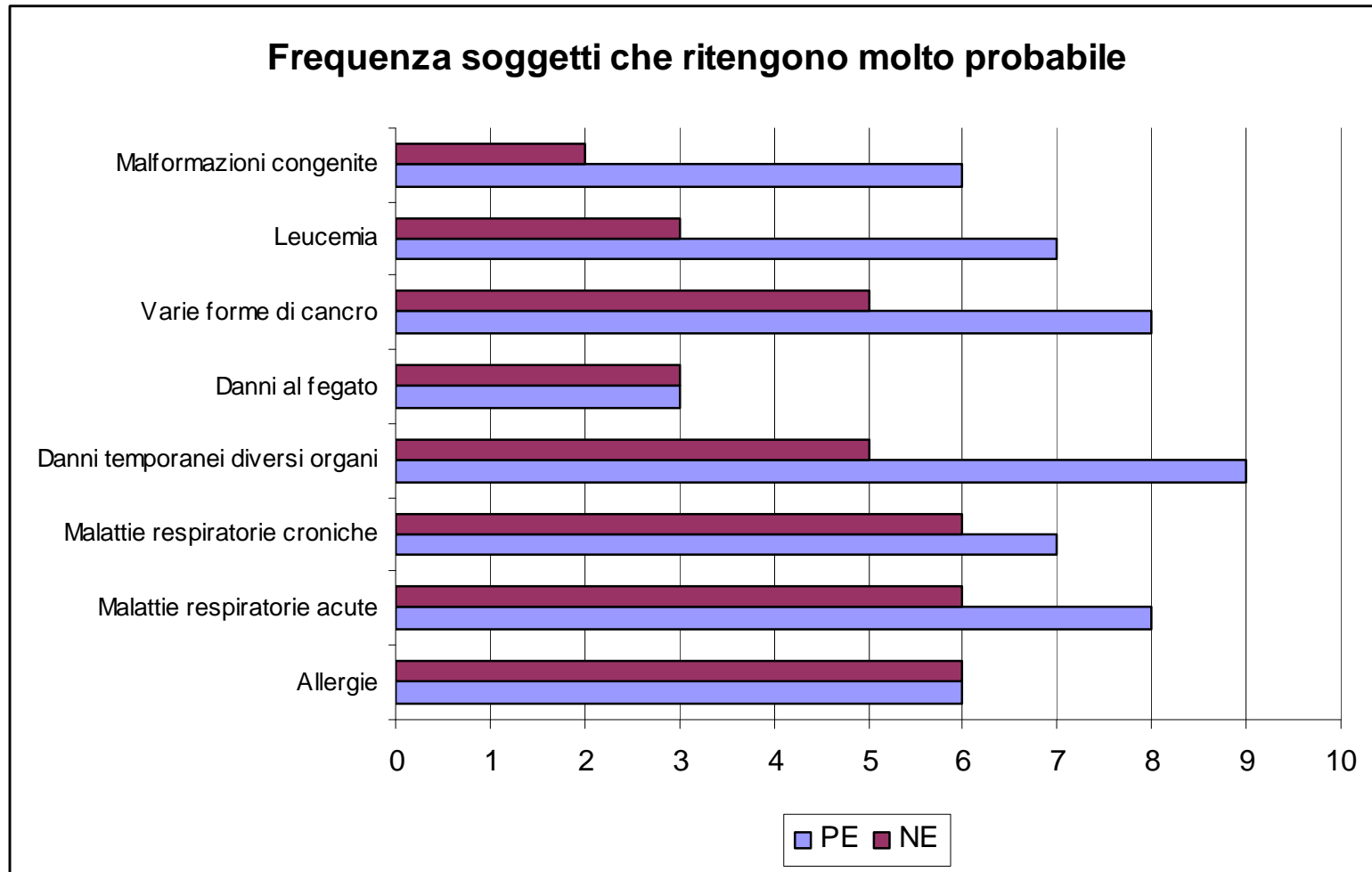
# IBE: indice biologico di esposizione

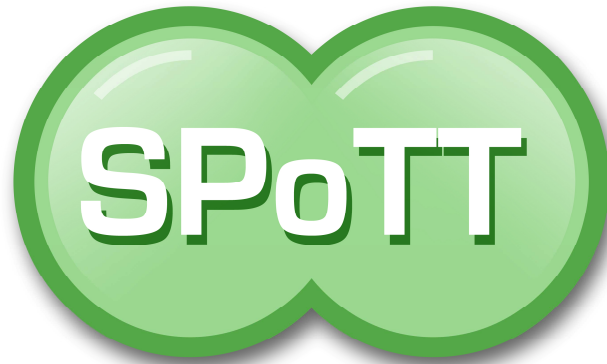


# Quali di questi eventi la preoccupano o disturbano maggiormente?



# Ritiene che le seguenti malattie siano dovute all'inquinamento ambientale?





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**T**orino

**Ulteriori informazioni su:**

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