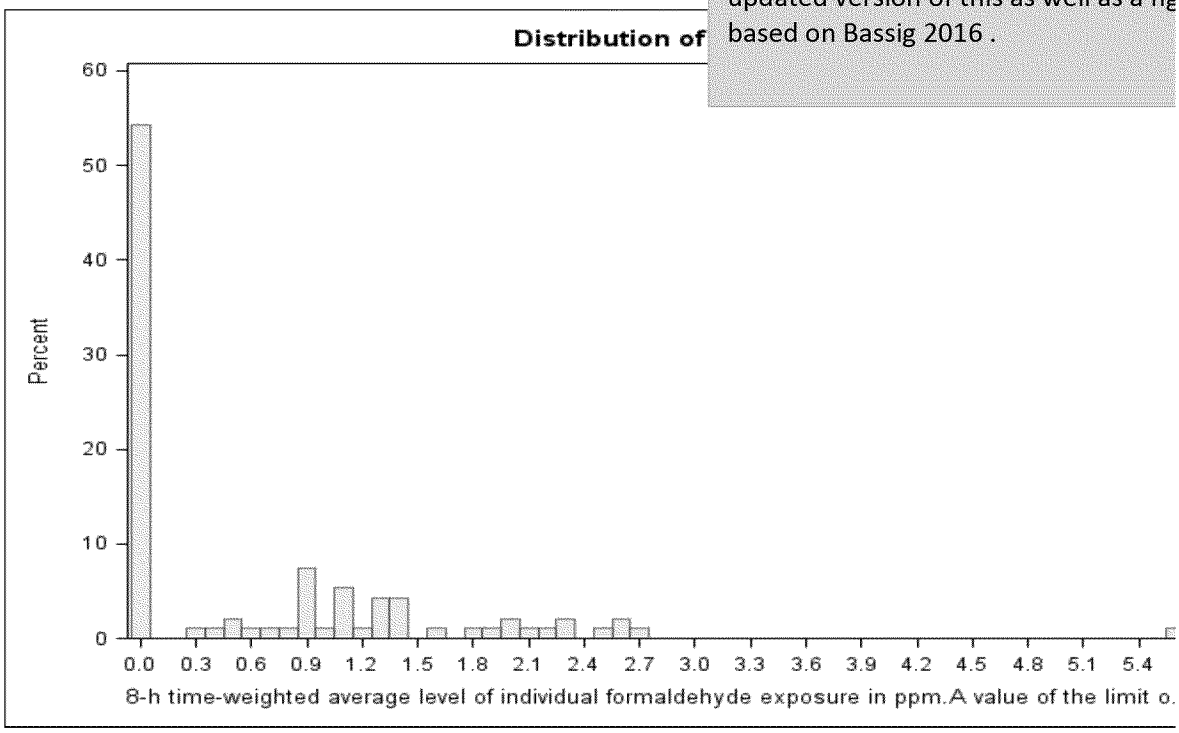
There are 51 unexposed and 43 exposed.
Range for unexposed: 0.00848528 to 0.02621500
Range for exposed: 0.318103 to 5.614024

See Excel file called 'Formaldehyde fig
updated version of this as well as a fig
based on Bassig 2016 .



ures' for an
ure created

Log transformed

MALES 2x2 **Current smoking**

		0=no			1=yes	
Blood parameter	**n**	**Mean**	**SD**	**n**	**Mean**	**SD**
WBC	21	8.59	0.21	22	8.73	0.28
RBC		8.52	0.09		8.51	0.09
Platelet		7.59	0.26		7.68	0.25
Lymphocyte		7.48	0.24		7.66	0.31
Monocyte		5.91	0.25		6.23	0.32
Granulocyte		8.05	0.30		8.15	0.34
Hemoglobin		2.69	0.08		2.68	0.09
MCV		4.46	0.10		4.48	0.10
		0=no			1=yes	
Blood parameter	**n**	**Mean**	**SD**	**n**	**Mean**	**SD**
WBC	19	8.66	0.21	19	8.71	0.28
RBC		8.53	0.08		8.47	0.07
Platelet		7.62	0.25		7.53	0.25
Lymphocyte		7.63	0.29		7.61	0.30
Monocyte		6.07	0.35		6.18	0.36
Granulocyte		8.05	0.30		8.16	0.31
Hemoglobin		2.71	0.06		2.70	0.07
MCV		4.47	0.08		4.53	0.05

<30 years of age

≥30 years

MALES **Current smoking**

		0=no			1=yes	
Blood parameter	**n**	**Mean**	**SD**	**n**	**Mean**	**SD**
WBC	13	8.64	0.17	15	8.65	0.24
RBC		8.53	0.11		8.51	0.10
Platelet		7.65	0.26		7.67	0.26
Lymphocyte		7.46	0.23		7.58	0.33
Monocyte		5.92	0.29		6.18	0.33
Granulocyte		8.15	0.25		8.06	0.30
Hemoglobin		2.68	0.07		2.67	0.08
MCV		4.45	0.13		4.49	0.09
		0=no			1=yes	
Blood parameter	**n**	**Mean**	**SD**	**n**	**Mean**	**SD**
WBC	16	8.62	0.25	13	8.83	0.31

< 22.6 years

RBC		8.53	0.07		8.50	0.06
Platelet		7.60	0.27		7.57	0.31
Lymphocyte		7.59	0.26		7.76	0.27
Monocyte		6.00	0.30		6.32	0.37
Granulocyte		8.04	0.32		8.26	0.37
Hemoglobin		2.72	0.08		2.71	0.09
MCV		4.48	0.05		4.51	0.09
		0=no			**1=yes**	
Blood parameter	**n**	**Mean**	**SD**	**n**	**Mean**	**SD**
WBC	11	8.61	0.21	13	8.69	0.25
RBC		8.53	0.09		8.46	0.08
Platelet		7.57	0.24		7.60	0.19
Lymphocyte		7.62	0.32		7.58	0.30
Monocyte		6.03	0.35		6.12	0.30
Granulocyte		7.97	0.30		8.15	0.29
Hemoglobin		2.69	0.06		2.69	0.08
MCV		4.46	0.09		4.52	0.05

22.6-<33.4 years

33.4+ years

FEMALES

		0=no			**1=yes**	
Blood parameter	**n**	**Mean**	**SD**	**n**	**Mean**	**SD**
WBC	4	8.67	0.20	0	n/a	n/a
RBC		8.30	0.12			
Platelet		7.65	0.31			
Lymphocyte		7.35	0.09			
Monocyte		5.79	0.40			
Granulocyte		8.26	0.27			
Hemoglobin		2.50	0.11			
MCV		4.50	0.04			
		0=no			**1=yes**	
Blood parameter	**n**	**Mean**	**SD**	**n**	**Mean**	**SD**
WBC	9	8.44	0.12	0	n/a	n/a
RBC		8.31	0.10			
Platelet		7.65	0.23			
Lymphocyte		7.42	0.21			
Monocyte		5.50	0.21			
Granulocyte		7.88	0.22			
Hemoglobin		2.49	0.06			
MCV		4.49	0.11			

Back transformed

MALES **Current smoking**

		0=no		1=yes
Blood parameter	**n**	**Mean**	**n**	**Mean**
WBC	21	5375.1	22	6168.6
RBC		5036.8		4969.9
Platelet		1982.4		2173.9
Lymphocyte		1780.5		2127.0
Monocyte		369.7		506.3
Granulocyte		3146.5		3449.9
Hemoglobin		14.7		14.6
MCV		86.9		88.6
		0=no		**1=yes**
Blood parameter	**n**	**Mean**	**n**	**Mean**
WBC	19	5763.3	19	6059.8
RBC		5086.6		4752.7
Platelet		2036.5		1863.6
Lymphocyte		2064.0		2018.5
Monocyte		430.8		483.7
Granulocyte		3149.4		3497.8
Hemoglobin		15.0		14.8
MCV		87.4		92.9

MALES **Current smoking**

		0=no		1=yes
Blood parameter	**n**	**Mean**	**n**	**Mean**
WBC	13	5651.2	15	5702.7
RBC		5039.7		4941.9
Platelet		2093.4		2133.2
Lymphocyte		1734.4		1960.5
Monocyte		373.8		483.2
Granulocyte		3461.8		3171.4
Hemoglobin		14.5		14.5
MCV		86.0		88.7
		0=no		**1=yes**
Blood parameter	**n**	**Mean**	**n**	**Mean**
WBC	16	5545.0	13	6830.5

RBC		5061.4		4909.3
Platelet		1989.7		1938.8
Lymphocyte		1977.9		2341.8
Monocyte		404.0		555.6
Granulocyte		3094.0		3864.8
Hemoglobin		15.2		15.0
MCV		88.7		91.1
		0=no		**1=yes**
Blood parameter	**n**	**Mean**	**n**	**Mean**
WBC	11	5461.7	13	5942.6
RBC		5083.3		4744.1
Platelet		1936.8		1989.2
Lymphocyte		2034.5		1966.0
Monocyte		417.8		455.5
Granulocyte		2885.0		3462.8
Hemoglobin		14.7		14.7
MCV		86.3		92.1

MALES **Current smoking**

		0=no			1=yes		
Blood parameter	**n**	**Mean**	**SD**	**n**	**Mean**	**SD**	
WBC	21	8.70	0.15	23	8.80	0.24	
RBC		8.56	0.09		8.51	0.08	
Platelet		7.66	0.30		7.67	0.20	
Lymphocyte		7.67	0.24		7.72	0.32	**Unexposed**
Monocyte		6.04	0.31		6.27	0.38	
Granulocyte		8.12	0.22		8.23	0.26	
Hemoglobin		2.71	0.07		2.69	0.08	
MCV		4.45	0.11		4.49	0.07	
		0=no			1=yes		
Blood parameter	**n**	**Mean**	**SD**	**n**	**Mean**	**SD**	
WBC	15	8.53	0.26	9	8.58	0.16	
RBC		8.48	0.06		8.48	0.10	
Platelet		7.52	0.18		7.50	0.28	
Lymphocyte		7.42	0.26		7.53	0.22	**<1.5 ppm**
Monocyte		5.94	0.29		6.10	0.25	
Granulocyte		7.98	0.38		8.00	0.21	
Hemoglobin		2.67	0.07		2.68	0.12	
MCV		4.49	0.05		4.51	0.12	
		0=no			1=yes		
Blood parameter	**n**	**Mean**	**SD**	**n**	**Mean**	**SD**	
WBC	4	8.54	0.12	9	8.66	0.38	
RBC		8.56	0.05		8.45	0.05	
Platelet		7.62	0.15		7.58	0.34	
Lymphocyte		7.42	0.22		7.55	0.30	**≥1.5 ppm**
Monocyte		5.86	0.37		6.16	0.30	
Granulocyte		8.00	0.27		8.10	0.49	
Hemoglobin		2.73	0.07		2.69	0.05	
MCV		4.48	0.05		4.55	0.02	

?????

		Current smoking		
		0=no		1=yes
Blood parameter	**n**	**Mean**	**n**	**Mean**
WBC	13	6021.6	15	6609.8
RBC		5221.2		4971.9
Platelet		2124.5		2136.7
Lymphocyte		2151.0		2242.4
Monocyte		421.8		526.2
Granulocyte		3360.4		3763.6
Hemoglobin		15.0		14.8
MCV		85.3		88.8
		0=no		**1=yes**
Blood parameter	**n**	**Mean**	**n**	**Mean**
WBC	16	5076.2	13	5329.8
RBC		4809.3		4803.1
Platelet		1846.0		1815.6
Lymphocyte		1676.2		1864.5
Monocyte		378.2		443.7
Granulocyte		2913.8		2966.9
Hemoglobin		14.4		14.5
MCV		89.4		91.0
		0=no		**1=yes**
Blood parameter	**n**	**Mean**	**n**	**Mean**
WBC	11	5110.6	13	5763.4
RBC		5196.9		4674.7
Platelet		2046.3		1965.4
Lymphocyte		1670.0		1898.1
Monocyte		351.6		475.3
Granulocyte		2985.0		3306.6
Hemoglobin		15.3		14.8
MCV		88.6		94.8

female, not exposed
(sex=0 formaldehyde=0)

	N	Mean	Std Dev	Median	Minimum	Maximum
WBC	7	5064.3	842.6	5030	3640	6400
lymphocyte	7	1750.0	363.2	1730	1310	2200
monocyte	7	280.0	101.8	260	180	480
granulocyte	7	3034.3	819.4	3170	2010	4300
RBC	7	4234.3	470.1	4180	3620	5110
hemoglobin	7	12.2	0.9	12.3	10.9	13.5
mcv	7	87.8	10.0	91.9	66.5	97.3
platelet	7	2327.1	506.3	2230	1780	3110

male, not exposed
(sex=1 formaldehyde=0)

	N	Mean	Std Dev	Median	Minimum	Maximum
WBC	44	6460.9	1407.0	6190	4180	10350
lymphocyte	44	2279.1	588.1	2270	1040	3770
monocyte	44	505.2	188.9	465	240	950
granulocyte	44	3676.6	937.8	3545	2170	5880
RBC	44	5108.6	461.5	5085	4320	6830
hemoglobin	44	15.0	1.1	15	12.3	17
mcv	44	87.5	7.3	88.6	57.5	98
platelet	44	2196.8	556.0	2155	1110	3900

thalessemia		**Sex**	
		0	**1**
	0	12	77
	1	1	4

female, not exposed, no thalessemia
(sex=0 formaldehyde=0, no thalessemia)

	N	Mean	Std Dev	Median	Minimum	Maximum
WBC	6	5111.7	912.7	5200	3640	6400
lymphocyte	6	1675.0	333.3	1675	1310	2180
monocyte	6	291.7	106.3	280	180	480
granulocyte	6	3145.0	838.3	3330	2010	4300
RBC	6	4088.3	293.8	4100	3620	4450
hemoglobin	6	12.4	0.8	12.35	11.2	13.5
mcv	6	91.4	3.8	92	87.2	97.3
platelet	6	2260.0	519.3	2120	1780	3110

male, not exposed, no thalessemia
(sex=1 formaldehyde=0, no thalessemia)

	N	Mean	Std Dev	Median	Minimum	Maximum
WBC	41	6433.4	1396.0	6180	4180	10350

lymphocyte	41	2299.5	592.9	2290	1040	3770
monocyte	41	494.4	189.8	440	240	950
granulocyte	41	3639.5	903.4	3530	2170	5880
RBC	41	5031.7	350.2	5060	4320	5820
hemoglobin	41	15.1	1.0	15	13.1	17
mcv	41	89.2	3.5	88.7	82.9	98
platelet	41	2170.5	550.9	2150	1110	3900

female, exposed
(sex=0 formaldehyde=1)

	N	Mean	Std Dev	Median	Minimum	Maximum
WBC	6	5010.0	1135.1	4510	4170	7200
lymphocyte	6	1561.7	193.0	1525	1330	1870
monocyte	6	280.0	89.2	240	210	440
granulocyte	6	3168.3	1188.9	2770	2060	5320
RBC	6	3890.0	271.5	3940	3420	4240
hemoglobin	6	12.1	0.9	12.45	10.5	12.9
mcv	6	91.2	3.0	91.3	86.3	94.4
platelet	6	1950.0	526.9	1820	1450	2840

male, exposed
(sex=1 formaldehyde=1)

	N	Mean	Std Dev	Median	Minimum	Maximum
WBC	37	5488.7	1585.9	5280	3070	11640
lymphocyte	37	1829.5	471.7	1750	1170	2860
monocyte	37	431.1	131.8	420	250	770
granulocyte	37	3228.1	1283.7	2990	1510	8290
RBC	37	4827.6	353.4	4780	3990	5450
hemoglobin	37	14.7	1.2	14.6	11.7	17.3
mcv	37	91.2	5.9	92.3	67.5	100.3
platelet	37	1944.1	505.3	1830	1190	3670

female, exposed, no thalessemia
(sex=0 formaldehyde=1, no thalessemia)

	N	Mean	Std Dev	Median	Minimum	Maximum
WBC	6	5010.0	1135.1	4510	4170	7200
lymphocyte	6	1561.7	193.0	1525	1330	1870
monocyte	6	280.0	89.2	240	210	440
granulocyte	6	3168.3	1188.9	2770	2060	5320
RBC	6	3890.0	271.5	3940	3420	4240
hemoglobin	6	12.1	0.9	12.45	10.5	12.9
mcv	6	91.2	3.0	91.3	86.3	94.4
platelet	6	1950.0	526.9	1820	1450	2840

male, exposed, no thalessemia
(sex=1 formaldehyde=1, no thalessemia)

	N	Mean	Std Dev	Median	Minimum	Maximum
WBC	36	5483.1	1608.1	5245	3070	11640

lymphocyte	36	1811.7	465.6	1710	1170	2860
monocyte	36	430.3	133.6	420	250	770
granulocyte	36	3241.1	1299.5	2990	1510	8290
RBC	36	4810.3	342.1	4770	3990	5430
hemoglobin	36	14.8	1.1	14.75	12	17.3
mcv	36	91.8	4.5	92.6	83.1	100.3
platelet	36	1909.4	465.9	1825	1190	3670

EXPOSED ONLY

	N	Mean	Std Dev
Formaldehyde in men	37	1.49	0.97
Formaldehyde in women	6	1.28	0.51

	N	Mean	Std Dev
Formaldehyde in <22.6 years	13	1.41	0.59
Formaldehyde in 22.6-33.4 years	14	1.79	1.28
Formaldehyde in >=33.4 years	16	1.21	0.69

ALL

	N	Mean	Std Dev
Formaldehyde in men	81	0.69	0.98
Formaldehyde in women	13	0.60	0.73

	N	Mean	Std Dev
Formaldehyde in <22.6 years	31	0.60	0.79
Formaldehyde in 22.6-33.4 years	32	0.79	1.22
Formaldehyde in >=33.4 years	31	0.63	0.78

Correlation between fa_ppm and proportion of monosomy 7 detectec	0.26916	pearson's
	0.2258	p
Correlation between fa_ppm and proportion of trisomy 8 detected	0.32459	pearson's
	0.1405	p

Median	Minimum	Maximum
1.30	0.32	5.61
1.17	0.72	2.23

Median	Minimum	Maximum
1.30	0.51	2.51
1.35	0.63	5.61
1.14	0.32	2.61

Median	Minimum	Maximum
0.03	0.01	5.61
0.03	0.01	2.23

Median	Minimum	Maximum
0.03	0.01	2.51
0.03	0.01	5.61
0.32	0.01	2.61

n=42 because we have limited it to the exposed only and dropped thalassemia	Adjusted Ln β	SE	Lower 95% CI of Ln β	Upper 95% CI of Ln β	Adjusted e^(Ln β)
RBC					
Formaldehyde	0.01	0.01			1.01
Female, non-smoker	0.23	0.03			1.26
Male, smoker	0.04	0.02			1.04
Male, non-smoker	Reference	.			Reference
MCV					
Formaldehyde	0.00	0.01			1.00
Female, non-smoker	0.02	0.02			1.02
Male, smoker	0.06	0.01			1.06
Male, non-smoker	0.00	.			Reference

Lower 95% CI of e^(Ln β)	Upper 95% CI of e^(Ln β)	Adjusted p value
		0.2286
		<.0001
		0.0753
		.
		0.906
		0.241
		<.0001
		.

n=43 because we have limited it to the exposed only	Adjusted Ln β	Adjusted e^(Ln β)	Lower 95% CI of e^(Ln β)	Upper 95% CI of e^(Ln β)	Adjusted p value
WBC					
Formaldehyde	0.01	1.01	0.93	1.10	0.806
Female, non-smoker	-0.03	0.97	0.77	1.23	0.7934
Male, smoker	0.08	1.09	0.92	1.28	0.3243
Male, non-smoker	Reference	Reference			.
Lymphocyte					
Formaldehyde	0.02	1.02	0.95	1.11	0.5524
Female, non-smoker	-0.07	0.93	0.74	1.16	0.5209
Male, smoker	0.11	1.12	0.96	1.31	0.1689
Male, non-smoker	Reference	Reference			.
Monocyte					
Formaldehyde	-0.05	0.95	0.87	1.05	0.3378
Female, non-smoker	-0.33	0.72	0.55	0.94	0.0195
Male, smoker	0.22	1.24	1.03	1.50	0.0268
Male, non-smoker	Reference	Reference			.
Granulocyte					
Formaldehyde	0.01	1.01	0.89	1.14	0.8999
Female, non-smoker	0.03	1.03	0.74	1.43	0.8686
Male, smoker	0.07	1.07	0.84	1.35	0.5853
Male, non-smoker	Reference	Reference			.
RBC					
Formaldehyde	0.01	1.01	0.99	1.04	0.4169
Female, non-smoker	-0.23	0.80	0.74	0.85	<.0001
Male, smoker	-0.03	0.97	0.92	1.01	0.1803
Male, non-smoker	Reference	Reference			.
Hemoglobin					
Formaldehyde	0.02	1.02	0.99	1.05	0.1512
Female, non-smoker	-0.19	0.83	0.77	0.89	<.0001
Male, smoker	0.00	1.00	0.95	1.05	0.9836
Male, non-smoker	Reference	Reference			.
MCV					
Formaldehyde	0.01	1.01	0.99	1.03	0.3639
Female, non-smoker	0.02	1.02	0.96	1.09	0.4523
Male, smoker	0.04	1.04	1.00	1.08	0.0802
Male, non-smoker	Reference	Reference			.
Platelet					
Formaldehyde	0.00	1.00	0.92	1.08	0.9403
Female, non-smoker	0.00	1.00	0.80	1.26	0.9697
Male, smoker	0.00	1.00	0.85	1.18	0.9816
Male, non-smoker	Reference	Reference	1.00	1.00	.

n=94 because we have added the unexposed back in	UNadjusted Ln β	SE	Lower 95% CI of Ln β	Upper 95% CI of Ln β
WBC				
Formaldehyde				
1.3+ ppm	-0.15	0.06	-0.27	-0.03
Less than 1.3 ppm	-0.16	0.06	-0.27	-0.04
Unexposed	Reference	.		
Female, non-smoker				
Male, smoker				
Male, non-smoker				
Lymphocyte				
Formaldehyde				
1.3+ ppm	-0.22	0.07	-0.36	-0.08
Less than 1.3 ppm	-0.18	0.07	-0.31	-0.05
Unexposed	Reference	.		
Female, non-smoker				
Male, smoker				
Male, non-smoker				
Monocyte				
Formaldehyde				
1.3+ ppm	-0.09	0.10	-0.28	0.11
Less than 1.3 ppm	-0.15	0.09	-0.33	0.04
Unexposed	Reference	.		
Female, non-smoker				
Male, smoker				
Male, non-smoker				
Granulocyte				
Formaldehyde				
1.3+ ppm	-0.12	0.08	-0.28	0.04
Less than 1.3 ppm	-0.15	0.08	-0.30	0.00
Unexposed	Reference	.		
Female, non-smoker				
Male, smoker				
Male, non-smoker				
RBC				
Formaldehyde				
1.3+ ppm	-0.06	0.03	-0.12	0.00
Less than 1.3 ppm	-0.06	0.03	-0.11	-0.01
Unexposed	Reference	.		
Female, non-smoker				
Male, smoker				
Male, non-smoker				
Hemoglobin				
Formaldehyde				

1.3+ ppm	0.00	0.03	-0.06	0.05
Less than 1.3 ppm	-0.03	0.03	-0.08	0.02
Unexposed	Reference	.		
Female, non-smoker				
Male, smoker				
Male, non-smoker				
MCV				
Formaldehyde				
1.3+ ppm	0.06	0.02	0.02	0.11
Less than 1.3 ppm	0.03	0.02	-0.01	0.07
Unexposed	Reference	.		
Female, non-smoker				
Male, smoker				
Male, non-smoker				
Platelet				
Formaldehyde				
1.3+ ppm	-0.10	0.06	-0.22	0.03
Less than 1.3 ppm	-0.16	0.06	-0.28	-0.04
Unexposed	Reference	.		
Female, non-smoker				
Male, smoker				
Male, non-smoker				

UNadjusted e^(Ln β)	Lower 95% CI of e^(Ln β)	Upper 95% CI of e^(Ln β)	UNadjusted p value
0.86	0.76	0.97	0.0178
0.85	0.76	0.96	0.0087
Reference			
0.80	0.70	0.92	0.0025
0.83	0.73	0.95	0.008
Reference			
0.92	0.76	1.11	0.3899
0.86	0.72	1.04	0.1236
Reference			
0.89	0.76	1.04	0.1389
0.86	0.74	1.00	0.0479
Reference			
0.94	0.89	1.00	0.0381
0.94	0.89	0.99	0.0332
Reference			

1.00	0.94	1.05	0.911
0.97	0.92	1.02	0.2474
Reference			.
1.06	1.02	1.11	0.0067
1.03	0.99	1.07	0.2014
Reference			.
0.91	0.80	1.03	0.1321
0.85	0.76	0.96	0.0112
Reference			.

n=89 because we have added the unexposed back in, but excluded those with thal	Adjusted Ln β	SE	Lower 95% CI of Ln β	Upper 95% CI of Ln β	Adjusted e^(Ln β)
RBC					
Formaldehyde					
1.3+ ppm	-0.05	0.02	-0.09	-0.01	0.95
Less than 1.3 ppm	-0.05	0.02	-0.08	-0.01	0.95
Unexposed	Reference	.			Reference
Female, non-smoker	-0.23	0.02	-0.27	-0.18	0.80
Male, smoker	-0.04	0.02	-0.07	-0.01	0.96
Male, non-smoker	Reference	.			Reference
MCV					
Formaldehyde					
1.3+ ppm	0.03	0.01	0.01	0.06	1.03
Less than 1.3 ppm	0.02	0.01	0.00	0.04	1.02
Unexposed	Reference	.			Reference
Female, non-smoker	0.03	0.01	0.00	0.05	1.03
Male, smoker	0.04	0.01	0.02	0.05	1.04
Male, non-smoker	Reference	.			Reference

Lower 95% CI of e^(Ln β)	Upper 95% CI of e^(Ln β)	Adjusted p value
0.92	0.99	0.0091
0.92	0.99	0.012
0.76	0.83	<.0001
0.93	0.99	0.0255
1.01	1.06	0.0019
1.00	1.04	0.0583
1.00	1.06	0.0336
1.02	1.06	0.0003

n=94 because we have added the unexposed back in	Adjusted Ln β	SE	Lower 95% CI of Ln β	Upper 95% CI of Ln β	Adjusted e^(Ln β)
WBC					
Formaldehyde					
1.3+ ppm	-0.16	0.06	-0.28	-0.05	0.85
Less than 1.3 ppm	-0.14	0.06	-0.25	-0.03	0.87
Unexposed	Reference	.			Reference
Female, non-smoker	-0.12	0.07	-0.26	0.03	0.89
Male, smoker	0.09	0.05	-0.01	0.19	1.10
Male, non-smoker	Reference	.			Reference
Lymphocyte					
Formaldehyde					
1.3+ ppm	-0.23	0.07	-0.37	-0.10	0.79
Less than 1.3 ppm	-0.16	0.07	-0.29	-0.04	0.85
Unexposed	Reference	.			Reference
Female, non-smoker	-0.16	0.08	-0.32	0.01	0.85
Male, smoker	0.08	0.06	-0.03	0.20	1.09
Male, non-smoker	Reference	.			Reference
Monocyte					
Formaldehyde					
1.3+ ppm	-0.12	0.08	-0.29	0.04	0.89
Less than 1.3 ppm	-0.10	0.08	-0.26	0.06	0.90
Unexposed	Reference	.			Reference
Female, non-smoker	-0.40	0.10	-0.60	-0.20	0.67
Male, smoker	0.22	0.07	0.08	0.36	1.24
Male, non-smoker	Reference	.			Reference
Granulocyte					
Formaldehyde					
1.3+ ppm	-0.13	0.08	-0.29	0.03	0.88
Less than 1.3 ppm	-0.14	0.08	-0.29	0.01	0.87
Unexposed	Reference	.			Reference
Female, non-smoker	-0.06	0.10	-0.25	0.13	0.94
Male, smoker	0.09	0.07	-0.04	0.23	1.10
Male, non-smoker	Reference	.			Reference
RBC					
Formaldehyde					
1.3+ ppm	-0.06	0.02	-0.11	-0.02	0.94
Less than 1.3 ppm	-0.06	0.02	-0.10	-0.02	0.94
Unexposed	Reference	.			Reference
Female, non-smoker	-0.22	0.03	-0.27	-0.17	0.80
Male, smoker	-0.04	0.02	-0.08	0.00	0.96
Male, non-smoker	Reference	.			Reference
Hemoglobin					
Formaldehyde					

1.3+ ppm	-0.01	0.02	-0.05	0.03	0.99
Less than 1.3 ppm	-0.02	0.02	-0.06	0.01	0.98
Unexposed	Reference	.			Reference
Female, non-smoker	-0.20	0.02	-0.25	-0.15	0.82
Male, smoker	-0.01	0.02	-0.04	0.02	0.99
Male, non-smoker	Reference	.			Reference
MCV					
Formaldehyde					
1.3+ ppm	0.06	0.02	0.02	0.10	1.06
Less than 1.3 ppm	0.03	0.02	-0.01	0.07	1.03
Unexposed	Reference	.			Reference
Female, non-smoker	0.02	0.03	-0.03	0.07	1.02
Male, smoker	0.04	0.02	0.00	0.07	1.04
Male, non-smoker	Reference	.			Reference
Platelet					
Formaldehyde					
1.3+ ppm	-0.10	0.06	-0.22	0.03	0.91
Less than 1.3 ppm	-0.16	0.06	-0.28	-0.04	0.85
Unexposed	Reference	.			Reference
Female, non-smoker	0.04	0.08	-0.11	0.19	1.04
Male, smoker	0.00	0.06	-0.11	0.10	1.00
Male, non-smoker	Reference	.			Reference

Lower 95% CI of e^(Ln β)	Upper 95% CI of e^(Ln β)	Adjusted p value
0.76	0.96	0.0078
0.78	0.97	0.0163
		.
0.77	1.03	0.1149
0.99	1.21	0.0703
		.
0.69	0.90	0.0009
0.75	0.96	0.0139
		.
0.73	1.01	0.0611
0.97	1.22	0.153
		.
0.75	1.04	0.1521
0.77	1.06	0.2189
		.
0.55	0.82	0.0002
1.08	1.43	0.003
		.
0.75	1.03	0.1048
0.75	1.01	0.0755
		.
0.78	1.14	0.5414
0.96	1.25	0.1794
		.
0.90	0.98	0.0034
0.91	0.98	0.0069
		.
0.76	0.84	<.0001
0.93	1.00	0.0306
		.

0.95	1.03	0.6384
0.94	1.01	0.2203
		.
0.78	0.86	<.0001
0.96	1.03	0.5859
		.
1.02	1.11	0.0091
0.99	1.08	0.1353
		.
0.97	1.08	0.3967
1.00	1.08	0.0526
		.
0.80	1.03	0.1447
0.75	0.96	0.0116
		.
0.89	1.22	0.5996
0.89	1.11	0.9465
		.

	Monosomy 7								
	Exposed					Unexposed			
	Number	Number	%			Number	Number	%	
Subject	detected	analyzed	detected	FA PPM	Smoker?	detected	analyzed	detected	FA PPM
1	11	274	4.0	2.29	1	19	288	6.6	0.01
2	15	132	11.4	2.00	1	10	272	3.7	0.03
3	20	123	16.3	2.60	1	10	260	3.8	0.03
4	4	109	3.7	5.61	0	8	163	4.9	0.03
5	4	101	4.0	1.38	0	6	140	4.3	0.03
6	3	95	3.2	1.94	0	2	78	2.6	0.03
7	9	76	11.8	2.68	1	1	71	1.4	0.03
8	13	61	21.3	1.38	0	9	70	12.9	0.01
9	10	50	20.0	1.99	0	4	49	8.2	0.01
10	6	39	15.4	2.32	0	0	24	0.0	0.01
11						2	20	10.0	0.03
12						1	18	5.6	0.03

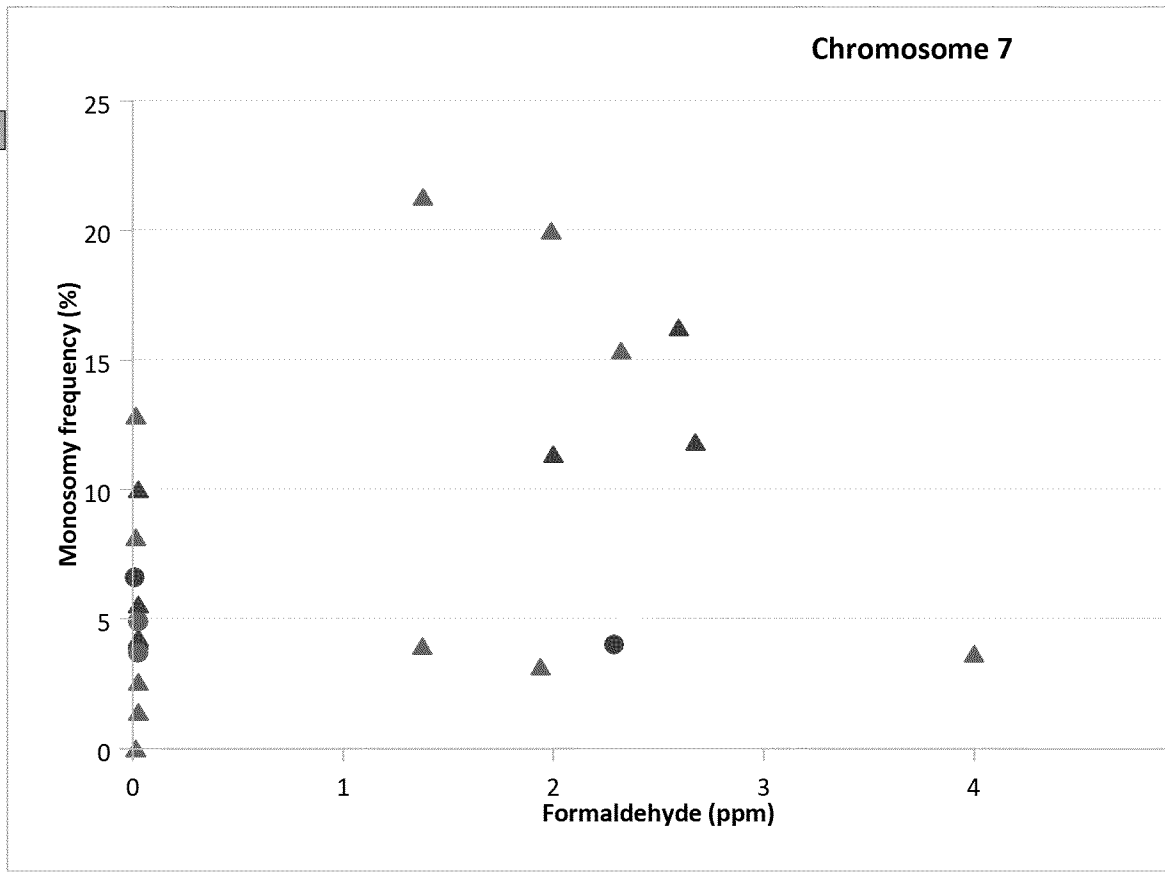
Robinan used 150 and 80 as cutoffs.
In our meeting, we discussed 150 and 100.
Do we want to use 80 like Robinan or 100?

		Trisomy 8								
d		Exposed					Unexposed			
		Number	Number	%			Number	Number	%	
	Smoker?	detected	analyzed	detected	FA PPM	Smoker?	detected	analyzed	detected	FA PPM
	1	2	192	1.0	2.00	1	2	226	0.9	0.03
	0	4	180	2.2	2.29	1	2	215	0.9	0.03
	1	4	173	2.3	2.60	1	2	197	1.0	0.01
	0	1	149	0.7	2.68	1	1	94	1.1	0.01
	1	0	139	0.0	5.61	0	0	91	0.0	0.03
	0	0	108	0.0	1.94	0	0	83	0.0	0.03
	0	2	78	2.6	1.99	0	0	69	0.0	0.03
	0	2	61	3.3	2.32	0	0	67	0.0	0.01
	0	0	53	0.0	1.38	0	0	37	0.0	0.03
	0	0	33	0.0	1.38	0	0	25	0.0	0.03
	1						0	22	0.0	0.01
	1						0	21	0.0	0.03

d	
	Smoker?
	0
	0
	0
	0
	0
	0
	1
	0
	0
	1
	0
	1

id	formaldehyde	smoke	meets protocol	fa_ppm	Proportion	CM7_1n	CM7_Tn
				Non-smoker, meets protocol (≥150 cells)			
10900	0	0	1	0.02621	4.90798	8	**163**
10970	0	0	1	0.02621	3.67647	10	**272**
				Non-smoker, does not meet protocol (<150 cells)			
10070	1	0	2	4	3.66972	4	109
10460	1	0	2	1.37657	3.96040	4	101
10610	1	0	2	1.93882	3.15789	3	95
10890	0	0	3	0.02621	2.56410	2	78
10910	0	0	3	0.02621	1.40845	1	71
11120	0	0	3	0.01458	12.85714	9	70
11240	0	0	3	0.01458	8.16327	4	49
11500	0	0	3	0.01458	0	0	24
10150	1	0	3	1.9897	20	10	50
10190	1	0	3	2.32133	15.38462	6	39
10590	1	0	3	1.37963	21.31148	13	61
				Smoker, meets protocol (≥150 cells)			
10790	0	1	1	0.00849	6.59722	19	**288**
10950	0	1	1	0.02621	3.84615	10	**260**
10400	1	1	1	2.28837	4.01460	11	**274**
				Smoker, does not meet protocol (<150 cells)			
10030	1	1	2	1.99965	11.36364	15	132
10940	0	1	2	0.02621	4.28571	6	140
10160	1	1	2	2.59583	16.26016	20	123
10700	0	1	3	0.02621	10	2	20
11140	0	1	3	0.02621	5.55556	1	18
10120	1	1	3	2.67518	11.84211	9	76

5.61402


Chromosome 7
Monosomy frequency (%)
25
20
15
10
5
0
0
1
2
3
4
Formaldehyde (ppm)

● Smoker, meets protocol (

▲ Smoker, does not meet protocol (<150 cells)

△ #REF!

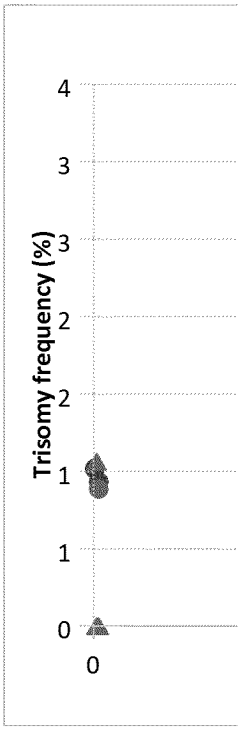
● Non-smoker, meets protocol (

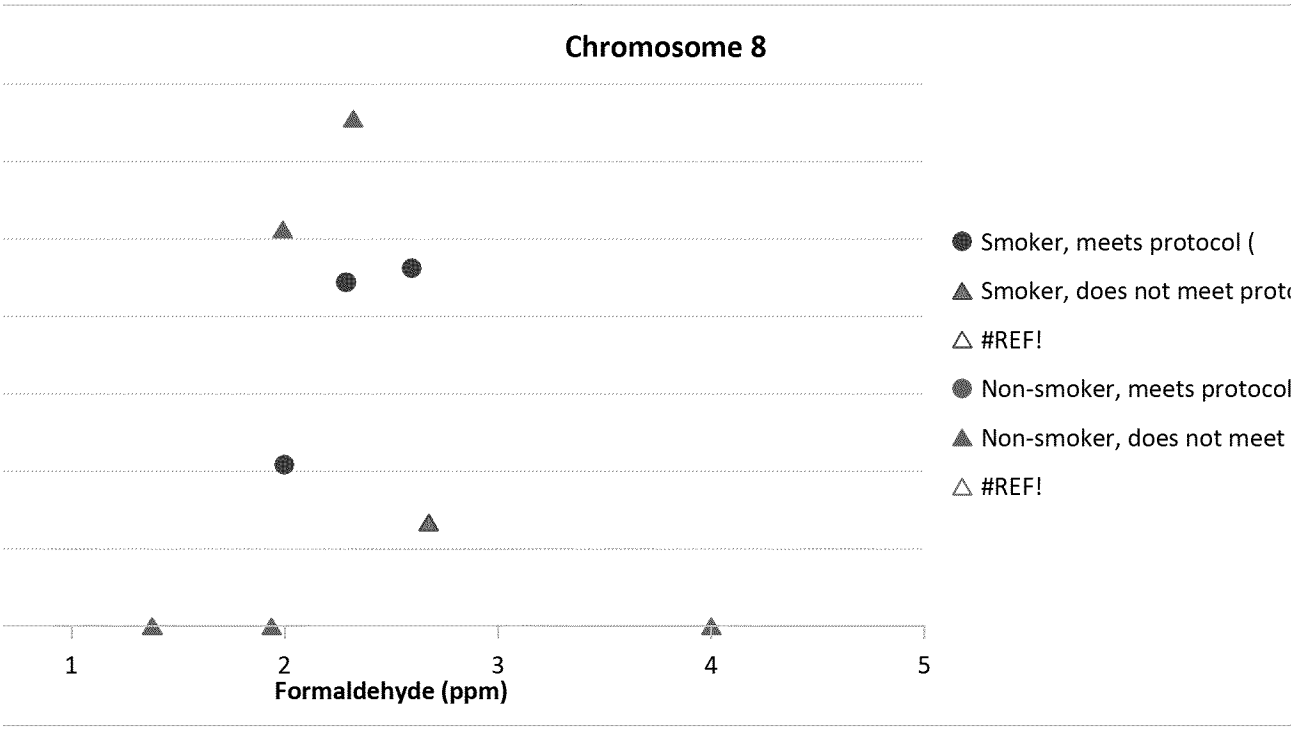
▲ Non-smoker, does not meet protocol (<150 cells)

△ #REF!

5

id	rmaldehy	smoke	ets prot	fa_ppm	Proportion	CM8_3n	CM8_Tn	
				Non-smoker, meets protocol (≥150 cells)				
10970	0	0	1	0.03	0.88	2	226	
				Non-smoker, does not meet protocol (<150 cells)				
10070	1	0	2	4.00	0.00	0	139	5.61
10610	1	0	2	1.94	0.00	0	108	
10890	0	0	2	0.03	0.00	0	83	
10900	0	0	2	0.03	0.00	0	91	
11120	0	0	2	0.01	1.06	1	94	
10910	0	0	3	0.03	0.00	0	37	
11240	0	0	3	0.01	0.00	0	67	
11500	0	0	3	0.01	0.00	0	22	
10150	1	0	3	1.99	2.56	2	78	
10190	1	0	3	2.32	3.28	2	61	
10460	1	0	3	1.38	0.00	0	33	
10590	1	0	3	1.38	0.00	0	53	
				Smoker, meets protocol (≥150 cells)				
10790	0	1	1	0.01	1.02	2	197	
10950	0	1	1	0.03	0.93	2	215	
10030	1	1	1	2.00	1.04	2	**192**	
10160	1	1	1	2.60	2.31	4	**173**	
10400	1	1	1	2.29	2.22	4	**180**	
				Smoker, does not meet protocol (<150 cells)				
10120	1	1	2	2.68	0.67	1	149	
10700	0	1	3	0.03	0.00	0	25	
10940	0	1	3	0.03	0.00	0	69	
11140	0	1	3	0.03	0.00	0	21	




Chromosome 8
Smoker, meets protocol (
Smoker, does not meet prot
#REF!
Non-smoker, meets protocol
Non-smoker, does not meet
#REF!
1
2
3
4
5
Formaldehyde (ppm)

ɔcol (<150 cells)

(

protocol (<150 cells)

	female, not exposed, nonsmokers (sex=0 formaldehyde=0)		
	N	Mean	Std Dev
WBC	7	5064.3	842.6
lymphocy	7	1750	363.2
monocyte	7	280	101.8
granulocy	7	3034.3	819.4
RBC	7	4234.3	470.1
hemoglob	7	12.2	0.9
mcv	7	87.8	10
platelet	7	2327.1	506.3
	male, not exposed, nonsmokers (sex=1 formaldehyde=0)		
	N	Mean	Std Dev
WBC	21	6093.3	1003.9
lymphocy	21	2208.1	507.5
monocyte	21	442.8571	147.5
granulocy	21	3442.4	792.8
RBC	21	5240.5	481.3
hemoglob	21	15.1	1.1
mcv	21	85.8	8.4
platelet	21	2217.6	676.5
	male, not exposed, smokers (sex=1 formaldehyde=0)		
	N	Mean	Std Dev
WBC	23	6796.5	1645.1
lymphocy	23	2343.9	657.8
monocyte	23	562.2	207.1
granulocy	23	3890.4	1023.4
RBC	23	4988.3	417.2
hemoglob	23	14.8	1.1
mcv	23	89	5.9
platelet	23	2177.8	432.8

female, exposed, nonsmokers (sex=0 formaldehyde=1)			
N	Mean	Std Dev	P value
6	5010	1135.1	0.923
6	1561.7	193	0.2804
6	280	89.2	1
6	3168.3	1188.9	0.8148
6	3890	271.5	0.1432
6	12.1	0.9	0.9092
6	91.2	3	0.4459
6	1950	526.9	0.2154
male, exposed, nonsmokers (sex=1 formaldehyde=1)			
N	Mean	Std Dev	
19	5207.4	1130.4	0.0124
19	1725.3	441.4	0.0028
19	388.9	122.7	0.2192
19	3093.2	993.9	0.2247
19	4899.5	338.3	0.0143
19	14.6	1	0.1995
19	89.3	4.1	0.109
19	1913.2	327.4	0.083
male, exposed, smokers (sex=1 formaldehyde=1)			
N	Mean	Std Dev	
18	5785.6	1947.2	0.0793
18	1939.4	489.9	0.0356
18	475.6	129.6	0.1291
18	3370.6	1549.8	0.2044
18	4751.7	362.5	0.0639
18	14.7	1.3	0.744
18	93.2	7	0.0458
18	1976.7	651.9	0.2432