

TEDX

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SYSTEM ANALYSIS for the PRENATAL ORIGINS OF CANCER SPREADSHEET October, 2007

This analysis is done by the system affected. Total studies are broken out by groups of chemicals, and then broken into human and animal studies, as well as the ages of onset or sacrifice. Only studies which demonstrated a link with cancer were included. Note: The number of findings represents more than the total number of studies as many studies report multiple associations

	# of findings	# of human findings	Human age of onset	Human age of onset	# of animal findings	Animal sacrifice age	Animal sacrifice age
Leukemias	95	87	Minimum	Maximum	8	Minimum	Maximum
Air (smoking/pollution)	8	8	infant	16 years	0		
Alcohol and Recreational drugs	4	4	birth	14 years	0		
Genetic	8	8	9 years	33 years	0		
Industrial chemicals	9	7	childhood	18 years	2	lifespan	lifespan
Maternal and birth factors	17	17	infant	adult	0		
Medication	10	8	infant	16 years	2	1 year	2 years
Metals	1	1	childhood	childhood	0		
Occupational exposures	8	8	birth	15 years	0		
Pesticides/Herb/Fung	10	10	birth	20 years	0		
Radiation	20	16	birth	47 years	4	14 weeks	lifespan
Water/food	5	5	infant	16 years	0		
Lymphomas	26	16			10		
Air (smoking/pollution)	6	5	childhood	15 years	1		10 months
Industrial chemicals	2	1	birth	16 years	1	lifespan	lifespan
Maternal and birth factors	2	2	birth	45 years	0		
Medication	6	3	childhood	childhood	3	birth	19 months
Metals	1	0			1	74 weeks	90 weeks
Pesticides/Herb/Fung	2	2	birth	20 years	0		
Radiation	7	3	birth	childhood	4	lifespan	lifespan
Brain & Nervous System	111	83			28		
Air (smoking/pollution)	10	10	childhood	15 years	0		
Alcohol & drugs	4	4	childhood	22 years	0		
Food	12	10	childhood	19 years	2	unknown	unknown
Genetic	2	1	unknown	unknown	1	gest. day 13.5	10 months
Industrial chemicals	10	8	childhood	15 years	2	lifespan	lifespan
Maternal and birth factors	15	15	birth	33 years	0		
Medication	11	10	birth	35 years	1		79 weeks
Metals	2	2	childhood	18 years	0		
Occupational exposures	12	12	childhood	25 years	0		
Pesticides/Herb/Fung	9	9	infant	19 years	0		
Radiation	2	2	birth	25 years	0		
Research chemicals	22	0			22	4 days	65 weeks

	# of findings	# of human findings	Human age of onset	Human age of onset	# of animal findings	Animal sacrifice age	Animal sacrifice age
Female Reproductive System (uterus, ovaries, cervix, vagina)	52	13			39		
Air (smoking/pollution)	2	2	childhood	15 years	0		
Industrial chemicals	3	1	childhood	15 years	2	70 days	15 months
Maternal and birth factors	2	0			2	70 days	22 months
Medication	30	9	childhood	50 years	21	lifespan	lifespan
Metals	3	0			3	74 weeks	90 weeks
Radiation	7	1		47 years	6	6 months	lifespan
Research chemicals	5	0			5	46 weeks	death
Male Reproductive System (prostate, testes, seminal vesicles)	39	24			15		
Air (smoking/pollution)	3	3	childhood	64 years	0		
Food	1	0			1		100 weeks
Genetic	3	3	birth	70 years	0		
Industrial chemicals	6	4	childhood	30 years	2		200 days
Maternal and birth factors	11	11	birth	76 years	0		
Medication	10	2	birth	30 years	8	10 months	24 months
Pesticides/Herb/Fung/Herb/Fung	1	1	birth	15 years	0		
Research chemicals	4	0			4		lifespan
Breast	63	34			29		
Air (smoking/pollution)	1	1		55 years	0		
Alcohol	1	0			1	8 weeks	22 weeks
Food	8	1	adult	adult	7	3 weeks	47 weeks
Genetic	1	1		adult	0		
Industrial chemicals	6	0			6	30 days	230 days
Maternal and birth factors	29	24	lifespan	lifespan	5	21 days	200 days
Medication	11	6	lifespan	lifespan	5	birth	2 years
Pesticides/Herb/Fung/Herb/Fung	3	0			3	6 months	14 months
Radiation	3	1	25 years	45 years	2	lifespan	lifespan
Lung & Respiratory System	51	5			46		
Air (smoking/pollution)	12	1	50 years	64 years	11	1 month	18 months
Fuels	1	0			1	3 weeks	8 weeks
Industrial chemicals	4	0			4	lifespan	lifespan
Maternal and birth factors	3	3	28 years	75 years	0		
Medication	7	1	35 years		6	3 months	2 years
Metals	3	0			3	gest. day 18	90 weeks
Pesticides/Herb/Fung	4	0			4	6 months	14 months
Radiation	5	0			5	lifespan	lifespan
Research chemicals	12	0			12	1 week	52 weeks
Liver	38	3			35		
Air (smoking/pollution)	12	2	childhood	16 years	10	24 weeks	18 months
Industrial chemicals	6	0			6	fetus	2 years
Maternal and birth factors	1	1	birth	4 years	0		
Medication	4	0			4	3 months	2 years
Metals	5	0			5	74 weeks	2 years
Pesticides/Herb/Fung	2	0			2	unknown	1 year
Radiation	5	0			5	lifespan	lifespan
Research chemicals	3	0			3	1 month	10 years

	# of findings	# of human findings	Human age of onset	Human age of onset	# of animal findings	Animal sacrifice age	Animal sacrifice age
Kidney	28	11			17		
Air (smoking/pollution)	1	1	childhood	childhood	0		
Food	3	0			3	unknown	unknown
Genetic	1	1	childhood	childhood	0		
Industrial chemicals	2	0			2	21 days	308 days
Maternal and birth factors	3	2	birth	73 years	1	unknown	unknown
Medication	1	0			1		lifespan
Metals	1	0			1	birth	112 weeks
Occupational exposures	3	3	birth	childhood	0		
Pesticides/Herb/Fung	4	3	childhood	20 years	1	21 days	308 days
Radiation	1	1	birth		0		
Research chemicals	8	0			8	embryo	4 months
Pituitary	7	1			6		
Industrial chemicals	1	0			1		85 weeks
Maternal and birth factors	1	1		adult	0		
Medication	1	0			1	unknown	unknown
Radiation	2	0			2	lifespan	lifespan
Research chemicals	2	0			2	unknown	unknown
Thyroid	7	4			3		
Industrial chemicals	1	0			1	lifespan	lifespan
Maternal and birth factors	1	1		adult	0		
Medication	2	2	childhood	14 years	0		
Radiation	1	1	childhood	childhood	0		
Research chemicals	2	0			2		46 weeks
Adrenal	8	3			5		
Industrial chemicals	1	0			1	lifespan	lifespan
Maternal and birth factors	1	1		adult	0		
Medication	2	2	newborn	childhood	0		
Metals	3	0			3	74 weeks	90 weeks
Research chemicals	1	0			1	unknown	unknown
Spleen	2	0			2		
Radiation	2	0			2	6 months	18 months
Digestive System	13	5			8		
Foods	2	0			2		11 weeks
Genetic	2	1	unknown	unknown	1	gest. day 13	10 months
Industrial chemicals	1	0			1	lifespan	lifespan
Maternal and birth factors	1	1	adulthood	45 years	0		
Medication	1	1	childhood	childhood	0		
Pesticides/Herb/Fung	1	0			1	unknown	unknown
Radiation	3	2	childhood	47 years	1	200 days	214 days
Research chemicals	2	0			2	unknown	unknown
Mouth, Larynx, Nasal, Trachea/Esophagus	11	6			5		
Food	1	0			1	unknown	unknown
Genetic	2	1	unknown	unknown	1	gest. day 13	10 months
Maternal and birth factors	2	2	adult	40 years	0		
Medication	1	1	childhood	childhood	0		
Radiation	2	2	newborn	childhood	0		
Research chemicals	3	0			3	unknown	death

	# of findings	# of human findings	Human age of onset	Human age of onset	# of animal findings	Animal sacrifice age	Animal sacrifice age
Colon & Urinary Tract	10	5			5		
Air (smoking/pollution)	1	1	50 years	64 years	0		
Foods	3	0			3	11 weeks	128 weeks
Genetic	1	1	unknown	unknown	0		
Maternal and birth factors	2	2	18 years	40 years	0		
Metals	2	0			2	90 weeks	90 weeks
Recreational drugs	1	1	birth	20 years	0		
Research chemicals	1	0			1	unknown	unknown
Bone	11	6			5		
Air (smoking/pollution)	2	2	5 months	22 years	0		
Food	1	0			1	birth	19 months
Genetic	1	1	birth	birth	0		
Pesticides/Herb/Fung	3	3	birth	young adult	0		
Radiation	3	0			3	lifespan	lifespan
Research chemicals	1	0			1	unknown	unknown
Eye	7	5			2		
Industrial chemicals	2	1	childhood	childhood	1	lifespan	lifespan
Maternal and birth factors	1	1	birth	14 years	0		
Metals	1	1	childhood	childhood	0		
Pesticides/Herb/Fung	2	1	childhood	childhood	1	unknown	unknown
Recreational drugs	1	1	birth	20 years	0		
Skin	11	6			5		
Food	1	0			1	unknown	unknown
Maternal and birth factors	2	2	adult	73 years	0		
Medication	2	2	newborn	childhood	0		
Pesticides/Herb/Fung	2	0			2	6 months	14 months
Radiation	2	1	childhood	childhood	1	lifespan	lifespan
Recreational drugs	1	1	birth	20 years	0		
Research chemicals	1	0			1	lifespan	lifespan