

Medicine summary - antipsychotics (to end January 2009) 10-19 year olds

			Case Group	Death Outcomes	Sole	
Case Count			726	7	520	
Reaction Count	Blood and lymphatic system disorders	Anaemia	4	0	3	
		Aplastic anaemia	1	0	0	
Thrombocytosis		1	0	0		
Thrombocytopenia		12	0	6		
Lymphadenopathy		3	0	0		
Eosinophilia		10	0	8		
Leukocytosis		3	0	2		
Neutrophilia		1	0	1		
Leukopenia		11	0	8		
Lymphopenia		2	0	2		
Agranulocytosis		5	0	4		
Neutropenia		34	0	28		
		Blood and lymphatic system disorders	87	0	62	
		Cardiac disorders	Atrioventricular block second degree	1	0	1
			Bundle branch block bilateral	1	0	0
	Bundle branch block right		1	0	1	
	Conduction disorder		1	0	1	
	Bradycardia		5	0	4	
	Extrasystoles		2	0	2	
	Tachycardia		54	0	49	
	Atrial fibrillation		1	0	1	
	Sinus tachycardia		3	0	3	
	Supraventricular tachycardia		1	0	0	
	Cardiac disorder		2	0	2	
	Palpitations		4	0	4	
	Tricuspid valve incompetence		1	0	1	
	Myocardial infarction		1	0	1	
	Cardiac failure		3	0	3	
	Cardiac failure congestive		1	0	1	
	Cardiomyopathy		4	0	3	
	Congestive cardiomyopathy		1	0	1	
	Dilatation ventricular		1	0	1	
	Left ventricular dysfunction		1	0	1	
	Left ventricular hypertrophy		1	0	1	
	Ventricular dysfunction		1	0	1	
	Ventricular hyperkinesia		1	0	1	
	Ventricular hypertrophy	1	0	1		
	Ventricular hypokinesia	1	0	1		
	Myocarditis	8	0	7		
	Pericarditis	10	0	10		
	Pericardial effusion	3	0	3		

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			Case Group	Death Outcomes	Sole
Reaction Count	Cardiac disorders	Cardiac disorders	115	0	105
	Congenital, familial and genetic disorders	Congenital hand malformation	1	0	0
		Tourette's disorder	1	0	1
		Congenital, familial and genetic disorders	2	0	1
	Endocrine disorders	Cushing's syndrome	1	0	1
		Hyperprolactinaemia	11	0	9
		Hypoparathyroidism	2	0	2
		Thyroiditis	1	0	1
		Goitre	1	0	1
		Hyperthyroidism	1	0	1
		Hypothyroidism	2	0	2
		Endocrine disorders	19	0	17
		Eye disorders	Eye pain	1	0
	Ocular hyperaemia		1	0	0
	Blepharospasm		3	0	3
	Gaze palsy		1	0	1
	Oculogyric crisis		36	0	24
	Ophthalmoplegia		1	0	1
	Miosis		1	0	0
	Mydriasis		3	0	2
	Eye rolling		3	0	3
	Optic atrophy		1	0	0
	Retinopathy		1	0	1
	Accommodation disorder		2	0	2
	Diplopia		2	0	1
	Photopsia		1	0	1
	Vision blurred		3	0	2
	Visual impairment		6	0	2
	Eye disorders		66	0	43
	Gastrointestinal disorders		Gingival hyperplasia	1	0
		Gingivitis	1	0	1
		Gingival bleeding	1	0	1
		Pancreatitis	8	1	6
		Haematochezia	1	0	1
		Reflux oesophagitis	1	0	1
		Diarrhoea	11	0	6
		Constipation	5	0	3
		Abdominal distension	2	0	1
		Abdominal pain	6	0	4
		Dysphagia	8	0	6
		Faecal incontinence	2	0	2
		Nausea	27	0	24

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			Case Group	Death Outcomes	Sole	
Reaction Count	Gastrointestinal disorders	Vomiting	30	0	23	
		Coeliac disease	1	0	0	
		Lip swelling	1	0	0	
		Mouth ulceration	2	0	2	
		Ascites	1	0	0	
		Dry mouth	1	0	1	
		Salivary hypersecretion	14	0	11	
		Salivary gland enlargement	1	0	1	
		Tongue ulceration	1	0	0	
		Swollen tongue	2	0	1	
		Tongue discolouration	1	0	1	
		Tongue oedema	5	0	4	
		Gastrointestinal disorders		134	1	101
		General disorders and administration site conditions	Hypothermia	1	0	1
	Pyrexia		29	0	13	
	Death		2	1	2	
	Sudden death		1	1	0	
	Asthenia		4	0	4	
	Fatigue		19	0	14	
	Malaise		6	0	3	
	Gait disturbance		3	0	3	
	Condition aggravated		2	0	0	
	Disease progression		1	0	1	
	Exercise tolerance decreased		1	0	1	
	Influenza like illness		10	0	9	
	Irritability		1	0	1	
	Face oedema		5	0	2	
Gravitational oedema	1		0	1		
Oedema	2		0	1		
Oedema peripheral	3		0	1		
Chest pain	16		0	14		
Pain	1		0	1		
Chills	2		0	0		
Feeling of body temperature change	1		0	1		
Hunger	2		0	0		
Drug interaction	7		0	0		
Drug ineffective	10	0	5			
Therapeutic response decreased	3	0	2			
Treatment failure	1	0	1			
Drug withdrawal syndrome	2	0	1			
General disorders and administration site conditions		136	2	82		

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			Case Group	Death Outcomes	Sole
Reaction Count	Hepatobiliary disorders	Hepatitis cholestatic	1	0	1
		Jaundice	5	1	2
		Hepatic function abnormal	18	0	12
		Hepatic failure	3	2	0
		Hepatomegaly	2	0	1
		Hepatosplenomegaly	1	0	0
		Autoimmune hepatitis	1	0	0
		Hepatic necrosis	1	1	0
		Hepatitis	1	0	0
		Hepatocellular injury	1	0	0
		Hepatobiliary disorders	34	4	16
	Immune system disorders	Anaphylactoid reaction	1	0	1
		Immune system disorders	1	0	1
	Infections and infestations	Infection	2	0	2
		Infection susceptibility increased	1	0	1
		Lower respiratory tract infection	1	0	1
		Pneumonia	3	0	3
		Rash pustular	1	0	0
		Pharyngitis	3	0	3
		Rhinitis	1	0	1
		Measles	1	0	1
		Infections and infestations	13	0	12
	Injury, poisoning and procedural complications	Drug toxicity	2	0	2
		Drug exposure during pregnancy	1	0	0
		Contusion	1	0	1
		Intentional overdose	2	0	1
		Overdose	1	1	0
		Injury, poisoning and procedural complications	7	1	4
	Investigations	Echocardiogram abnormal	3	0	2
		Ejection fraction decreased	2	0	1
		Electrocardiogram QT prolonged	7	0	5
		Electrocardiogram T wave abnormal	1	0	1
		Electrocardiogram T wave inversion	1	0	1
		Electrocardiogram abnormal	13	0	13
		Electrocardiogram change	1	0	1
		QRS axis abnormal	1	0	1
		Heart rate increased	4	0	3
		Heart rate irregular	1	0	1
		Blood pressure diastolic increased	1	0	1
		Blood prolactin increased	5	0	5
	Blood thyroid stimulating hormone increased	1	0	1	

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Reaction Count	Investigations	Case Group	Death Outcomes	Sole
	Blood testosterone increased	1	0	1
	Thyroid function test abnormal	1	0	1
	Blood creatine phosphokinase increased	25	0	17
	Cardiac enzymes increased	1	0	0
	Troponin I increased	3	0	3
	Troponin increased	8	0	8
	Blood amylase increased	1	0	1
	Lipase increased	1	0	0
	Full blood count decreased	1	0	1
	Bleeding time prolonged	2	0	1
	Blood fibrinogen decreased	1	0	1
	International normalised ratio increased	1	0	1
	Prothrombin time prolonged	1	0	0
	Red blood cell sedimentation rate increased	2	0	2
	Platelet count decreased	2	0	2
	Platelet count increased	1	0	0
	Eosinophil count increased	1	0	1
	Lymphocyte count decreased	1	0	1
	Neutrophil count decreased	3	0	2
	Neutrophil count increased	2	0	2
	White blood cell count decreased	3	0	2
	White blood cell count increased	2	0	2
	Alanine aminotransferase increased	2	0	1
	Aspartate aminotransferase increased	2	0	1
	Gamma-glutamyltransferase increased	1	0	1
	Hepatic enzyme increased	1	0	1
	Liver function test abnormal	5	0	4
	Transaminases increased	1	0	0
	Antinuclear antibody positive	1	0	1
	Blood cholesterol increased	1	0	1
	High density lipoprotein decreased	1	0	1
	Carnitine decreased	5	0	5
	Lipids abnormal	1	0	0
	Blood triglycerides increased	1	0	1
	Blood glucose increased	3	0	2
	Weight decreased	7	0	6
	Weight increased	52	0	44
	C-reactive protein increased	5	0	4
	Blood urea decreased	1	0	1
	Analgesic drug level increased	1	1	0
	Drug level changed	1	0	1
	Drug level decreased	3	0	1

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			Case Group	Death Outcomes	Sole
Reaction Count	Investigations	Drug level fluctuating	1	0	0
		Drug level increased	6	0	3
		Blood osmolarity decreased	1	0	1
		Investigations	208	1	165
	Metabolism and nutrition disorders	Acidosis	2	1	1
		Decreased appetite	7	0	7
		Increased appetite	4	0	4
		Obesity	2	0	2
		Hypocalcaemia	2	0	2
		Tetany	1	0	1
		Hyperphosphataemia	1	0	1
		Hypophosphataemia	1	0	1
		Electrolyte imbalance	1	0	1
		Polydipsia	3	0	3
		Hyponatraemia	1	0	0
		Dehydration	1	0	0
		Diabetes mellitus	6	0	5
		Type 1 diabetes mellitus	2	0	2
		Glucose tolerance impaired	2	0	2
		Hyperglycaemia	6	0	6
		Hypoglycaemia	1	0	0
		Dyslipidaemia	1	0	1
		Hyperammonaemia	2	0	2
		Hypoalbuminaemia	1	0	1
		Hypoproteinaemia	1	0	1
		Hyperuricaemia	1	0	1
	Metabolism and nutrition disorders	49	1	44	
	Musculoskeletal and connective tissue disorders	Jaw disorder	1	0	1
		Bone pain	1	0	1
		Pain in jaw	1	0	1
		Osteopenia	2	0	2
		Pathological fracture	2	0	2
		Synostosis	1	0	1
Arthritis		1	0	1	
Chondromalacia		1	0	1	
Joint stiffness		2	0	2	
Osteoarthritis		1	0	1	
Myositis		1	0	1	
Myalgia		5	0	2	
Muscle spasms		8	0	5	
Muscle twitching		13	0	10	
Muscle rigidity	3	0	3		

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Reaction Count			Case Group	Death Outcomes	Sole
	Musculoskeletal and connective tissue disorders	Nuchal rigidity	1	0	1
		Torticollis	4	0	3
		Trismus	3	0	3
		Muscular weakness	1	0	1
		Mastication disorder	1	0	0
		Musculoskeletal stiffness	8	0	7
		Back pain	1	0	1
		Musculoskeletal and connective tissue disorders	62	0	50
	Neoplasms benign, malignant and unspecified (incl cysts and polyps)	Pituitary tumour benign	1	0	1
		Neoplasms benign, malignant and unspecified (incl cysts and polyps)	1	0	1
	Nervous system disorders	Facial palsy	1	0	1
		Encephalopathy	1	0	0
		Toxic encephalopathy	1	0	0
		Headache	15	0	11
		Intracranial pressure increased	1	0	1
		Dementia	1	0	1
		Amnesia	2	0	1
		Disturbance in attention	2	0	2
		Mental impairment	1	0	1
		Choreoathetosis	4	0	4
		Akathisia	7	0	2
		Dyskinesia	14	0	9
		Extrapyramidal disorder	26	0	15
		Hyperkinesia	5	0	4
		Psychomotor hyperactivity	1	0	0
		Tardive dyskinesia	5	0	5
		Dystonia	68	0	41
		Opisthotonus	11	0	8
		Cogwheel rigidity	1	0	0
		Parkinsonian gait	1	0	0
		Parkinsonism	1	0	1
		Tremor	22	0	16
		Hyperreflexia	1	0	1
Ataxia		8	0	5	
Coordination abnormal		1	0	0	
Nystagmus		3	0	1	
Coma		2	0	1	
Coma hepatic		1	1	0	
Aphasia	1	0	0		
Consciousness fluctuating	1	0	0		

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		Case Group	Death Outcomes	Sole	
Reaction Count	Nervous system disorders	Depressed level of consciousness	2	0	1
		Loss of consciousness	3	0	2
		Sedation	11	0	9
		Somnolence	22	0	17
		Stupor	2	0	0
		Syncope	8	0	7
		Clonus	1	0	1
		Dizziness	18	0	15
		Drooling	6	0	6
		Meningism	1	0	1
		Myoclonus	2	0	1
		Formication	1	0	0
		Hypoaesthesia	1	0	1
		Restless legs syndrome	2	0	2
		Sensory disturbance	1	0	1
		Dysarthria	3	0	2
		Speech disorder	2	0	1
		Visual field defect	4	0	1
		Adrenergic syndrome	1	0	0
		Hypertonia	15	0	8
		Neuroleptic malignant syndrome	21	0	14
		Serotonin syndrome	1	0	1
		Neuropathy peripheral	1	0	1
		Petit mal epilepsy	1	0	0
		Grand mal convulsion	3	0	2
		Convulsion	32	0	15
		Epilepsy	1	0	1
	Status epilepticus	2	0	0	
	Hypersomnia	2	0	1	
	Nervous system disorders	379	1	242	
	Pregnancy, puerperium and perinatal conditions	Premature labour	1	0	0
		Pre-eclampsia	1	0	0
		Unintended pregnancy	1	0	0
		Pregnancy, puerperium and perinatal conditions	3	0	0
	Psychiatric disorders	Agitation	12	0	8
		Anxiety	8	0	5
		Nervousness	2	0	1
Neurosis		1	0	1	
Obsessive-compulsive disorder		3	0	2	
Catatonia		1	0	1	
Restlessness		1	0	1	

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		Case Group	Death Outcomes	Sole			
Reaction Count	Psychiatric disorders	Tic	1	0	1		
		Dysphemia	1	0	1		
		Screaming	1	0	0		
		Confusional state	12	0	8		
		Disorientation	1	0	1		
		Delirium	5	0	1		
		Depression	1	0	1		
		Depressed mood	1	0	1		
		Depersonalisation	1	0	1		
		Hallucination	7	0	5		
		Flight of ideas	1	0	0		
		Impulsive behaviour	1	0	0		
		Hypomania	1	0	0		
		Mania	3	0	2		
		Affect lability	1	0	0		
		Flat affect	2	0	2		
		Inappropriate affect	1	0	0		
		Dysphoria	1	0	1		
		Emotional distress	2	0	2		
		Euphoric mood	1	0	0		
		Apathy	1	0	1		
		Aggression	10	0	5		
		Personality change	1	0	1		
		Social avoidant behaviour	1	0	1		
		Abnormal behaviour	3	0	3		
		Withdrawal syndrome	6	0	4		
		Psychotic disorder	3	0	3		
		Libido decreased	1	0	1		
		Insomnia	4	0	2		
		Nightmare	1	0	1		
		Sleep talking	1	0	1		
		Somnambulism	1	0	1		
		Intentional self-injury	2	0	0		
		Self injurious behaviour	2	0	0		
		Suicidal ideation	2	0	1		
		Suicide attempt	10	1	3		
			Psychiatric disorders	122	1	74	
		Reaction Count	Renal and urinary disorders	Anuria	1	0	1
				Renal failure acute	1	1	0
				Renal impairment	2	0	2
				Dysuria	1	0	1
				Enuresis	4	0	3

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			Case Group	Death Outcomes	Sole
Reaction Count	Renal and urinary disorders	Micturition disorder	2	0	0
		Urinary incontinence	16	0	10
		Urinary retention	3	0	3
		Glycosuria	1	0	1
		Ketonuria	2	0	2
		Nocturia	1	0	1
		Polyuria	3	0	3
		Nephrolithiasis	1	0	1
		Renal and urinary disorders	38	1	28
	Reproductive system and breast disorders	Breast atrophy	1	0	1
		Breast enlargement	3	0	1
		Gynaecomastia	6	0	6
		Breast pain	5	0	4
		Breast tenderness	1	0	0
		Galactorrhoea	19	0	15
		Metrorrhagia	1	0	0
		Amenorrhoea	6	0	5
		Menorrhagia	3	0	1
		Polycystic ovaries	1	0	1
		Ejaculation failure	2	0	1
		Erectile dysfunction	1	0	0
		Priapism	4	0	4
		Testicular disorder	1	0	0
		Reproductive system and breast disorders	54	0	39
	Respiratory, thoracic and mediastinal disorders	Bronchospasm	2	0	1
		Dyspnoea	17	0	16
		Hypoventilation	1	0	1
		Sleep apnoea syndrome	1	0	1
		Cough	1	0	0
		Pleuritic pain	2	0	2
		Choking	1	0	1
		Oropharyngeal pain	5	0	3
		Throat tightness	1	0	1
		Stridor	1	0	1
		Epistaxis	5	0	4
		Respiratory, thoracic and mediastinal disorders	37	0	31
		Skin and subcutaneous tissue disorders	Angioedema	3	0
	Periorbital oedema		1	0	0
Urticaria	5		0	3	
Skin hypertrophy	1		0	1	
Skin striae	2		0	2	

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			Case Group	Death Outcomes	Sole	
Reaction Count	Skin and subcutaneous tissue disorders	Blister	1	0	1	
		Stevens-Johnson syndrome	2	0	0	
		Toxic epidermal necrolysis	2	0	1	
		Skin discolouration	1	0	1	
		Skin disorder	1	0	1	
		Swelling face	2	0	1	
		Eczema	1	0	1	
		Erythema	1	0	1	
		Rash erythematous	8	0	5	
		Dermatitis exfoliative	1	0	0	
		Photosensitivity reaction	1	0	1	
		Pruritus	12	0	6	
		Rash	17	0	2	
		Rash macular	1	0	0	
		Rash maculo-papular	6	0	2	
		Erythema nodosum	1	0	1	
		Skin ulcer	3	0	0	
		Acne	4	0	3	
		Alopecia	12	0	9	
		Hyperhidrosis	11	0	7	
		Night sweats	1	0	1	
		Hypertrichosis	1	0	0	
		Hair colour changes	1	0	1	
		Seborrhoea	1	0	1	
		Purpura	1	0	1	
			Skin and subcutaneous tissue disorders	105	0	55
		Social circumstances	Promiscuity	1	0	1
Bedridden	1		0	1		
Treatment noncompliance	2		0	2		
Social circumstances	4		0	4		
Surgical and medical procedures	Drug therapy changed	1	0	1		
	Therapy regimen changed	6	0	5		
	Surgical and medical procedures	7	0	6		
Vascular disorders	Blood pressure fluctuation	2	0	1		
	Circulatory collapse	2	1	2		
	Hypotension	11	0	6		
	Orthostatic hypotension	15	0	13		
	Vasodilatation	1	0	1		
	Flushing	3	0	3		
	Pallor	5	0	3		
	Haemorrhage	1	0	1		
	Hypertension	14	0	12		

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		Case Group	Death Outcomes	Sole
Reaction Count	Vascular disorders	54	1	42
	Reaction	1737	14	1225