FOI 22-817 COVID-19 mRNA Pfizer-BioNTech Vaccine Analysis Print

Report Run Date:	08-Aug-2022
Data Lock Date:	27-Jul-2022 18:30:04

All suspected spontaneous reports from Isle of Man received up to and including 27/07/2022 for the COVID-19 mRNA Pfizer-BioNTech vaccine.

A report of a suspected ADR to the Yellow Card scheme does not necessarily mean that it was caused by the vaccine, only that the reporter has a suspicion it may have. Underlying or previously undiagnosed illness unrelated to vaccination can also be factors in such reports. The relative number and nature of reports should therefore not be used to compare the safety of the different vaccines. All reports are kept under continual review in order to identify possible new risks.

Report Run Date: 08-Aug-2022 Earliest Reaction Date: 27-Apr-2020

Reaction Name	Total	Fatal
Blood disorders		
Anaemias NEC		
Normocytic anaemia	1	0
Haematological disorders		
Blood disorder	1	0
Lymphatic system disorders NEC		
Lymph node pain	4	0
Lymphadenitis	2	0
Lymphadenopathy	21	0
Blood disorders SOC TOTAL	29	0

Report Run Date: 08-Aug-2022 Earliest Reaction Date: 27-Apr-2020

Reaction Name	Total	Fatal
Cardiac disorders		
Cardiac signs and symptoms NEC		
Palpitations	16	0
Ischaemic coronary artery disorders		
Acute coronary syndrome	1	0
Angina pectoris	2	1
Myocardial infarction	2	1
Noninfectious myocarditis		
Myocarditis	2	0
Noninfectious pericarditis		
Pericarditis	1	0
Rate and rhythm disorders NEC		
Cardiac flutter	1	0
Extrasystoles	1	0
Tachycardia	5	0
Supraventricular arrhythmias		
Atrial fibrillation	1	0
Atrial flutter	1	0
Sinus tachycardia	1	0
Supraventricular tachycardia	1	0
Cardiac disorders SOC TOTAL	35	2

Report Run Date: 08-Aug-2022 Earliest Reaction Date: 27-Apr-2020

Reaction Name	Total	Fatal
Ear disorders		
Ear disorders NEC		
Ear pain	5	0
Hyperacusia		
Hyperacusis	1	0
Inner ear signs and symptoms		
Tinnitus	3	0
Vertigo	1	0
Ear disorders SOC TOTAL	10	0

Report Run Date: 08-Aug-2022 I Earliest Reaction Date: 27-Apr-2020

Reaction Name	Total	Fatal
Endocrine disorders		
Thyroid disorders NEC		
Thyroid disorder	1	0
Thyroid hyperfunction disorders		
Hyperthyroidism	1	0
Thyroid hypofunction disorders		
Hypothyroidism	1	0
Endocrine disorders SOC TOTAL	3	0

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Report Run Date: 08-Aug-2022 Earliest Reaction Date: 27-Apr-2020

Reaction Name	<u>Total</u>	Fatal
Eye disorders		
Lacrimation disorders		
Dry eye	1	0
Ocular disorders NEC		
Eye pain	2	0
Eye swelling	1	0
Ocular infections, inflammations and associated manifestations		
Eye pruritus	1	0
Ocular nerve and muscle disorders		
Ophthalmoplegia	1	0
Ocular sensation disorders		
Photophobia	2	0
Visual disorders NEC		
Photopsia	1	0
Vision blurred	3	0
Visual impairment and blindness (excl colour blindness)		
Blindness	1	0
Visual impairment	2	0
Eve disorders SOC TOTAL	15	0

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Earliest Reaction Date: 27-Apr-2020 MedDRA Version: MedDRA 25:0		
Reaction Name	Total	Fatal
Gastrointestinal disorders		
Colitis (excl infective)		
Colitis	1	0
Dental pain and sensation disorders		
Toothache	1	0
Diarrhoea (excl infective)		
Diarrhoea	11	0
Dyspeptic signs and symptoms		
Dyspepsia	1	0
Flatulence, bloating and distension		-
Flatulence	1	0
Gastrointestinal and abdominal pains (excl oral and throat)		
Abdominal pain	9	0
Abdominal pain upper	8	0
Gastrointestinal signs and symptoms NEC Abdominal discomfort	4	0
	4	0
Dysphagia Gingival disorders, signs and symptoms NEC	I	0
Gingival disorders, signs and symptoms NEC	1	0
Nausea and vomiting symptoms		0
Nausea	25	0
Vomiting	14	0
Oral soft tissue signs and symptoms	17	0
Paraesthesia oral	3	0
Gastrointestinal disorders SOC TOTAL	80	Ő

Report Run Date: 08-Aug-2022 Data Lock Date: 27-Jul-2022 18:30:04 Earliest Reaction Date: 27-Apr-2020 MedDRA Version: MedDRA 25.0 Reaction Name Total Fatal General disorders Asthenic conditions Asthenia 3 0 0 Decreased activity 1 Fatigue 46 0 Malaise 9 0 Death and sudden death 1 Sudden death 1 Febrile disorders 0 Hyperpyrexia 1 Pyrexia 28 0 Feelings and sensations NEC 0 Chills 15 0 Feeling abnormal 4 0 3 Feeling cold Feeling of body temperature change 2 0 1 0 Hangover 0 Sensation of foreign body 1 0 Thirst 1 Gait disturbances Gait disturbance 1 0 General signs and symptoms NEC 0 2 Illness 0 Influenza like illness 8 0 Local reaction 1 Peripheral swelling 4 0 0 Swelling Injection site reactions Injection site mass 0 1 0 6 Injection site pain Injection site swelling 2 0 **Oedema NEC** 0 Oedema peripheral 1 Pain and discomfort NEC Axillary pain 9 0 Chest discomfort 2 0 9 0 Chest pain 0 Facial pain 1 0 Pain 14 0 Tenderness 1 Vaccination site reactions 0 Vaccination site pain 2 0 Vaccination site warmth 1 182 General disorders SOC TOTAL 1

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Earliest Reaction Date: 27-Apr-2020	MedDRA Version: MedDRA 25.0		
Reaction Name		Total	Fatal
Immune system disorders			
Allergic conditions NEC			
Hypersensitivity		2	0
Immune and associated conditions NEC			
Immunisation reaction		1	0
Immune system disorders SOC TOTAL		3	0

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Report Run Date: 08-Aug-2022Data Lock Date: 27-Jul-2022 18:3Earliest Reaction Date: 27-Apr-2020MedDRA Version: MedDRA 25.0

Total Fatal Reaction Name Infections Abdominal and gastrointestinal infections Appendicitis 0 Bacterial infections NEC Cellulitis 2 0 Central nervous system and spinal infections **CNS** ventriculitis 0 1 Coronavirus infections 0 COVID-19 4 Dental and oral soft tissue infections Pulpitis dental 0 Herpes viral infections Herpes zoster 0 4 0 Oral herpes 1 Influenza viral infections Influenza 6 0 Lower respiratory tract and lung infections 2 0 Lower respiratory tract infection Upper respiratory tract infections 2 0 Sinusitis Viral infections NEC Sweating fever 0 2 0 26 Infections SOC TOTAL

Report Run Date: 08-Aug-2022 Earliest Reaction Date: 27-Apr-2020

Reaction Name	Total	Fatal
Injuries		
Exposures associated with pregnancy, delivery and lactation		
Maternal exposure during breast feeding	1	0
Maternal exposure during pregnancy	1	0
Non-site specific injuries NEC		
Fall	1	0
Skin injuries NEC		
Contusion	1	0
Injuries SOC TOTAL	4	0

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Reaction Name	Total	Fatal
Investigations		
Endocrine analyses and imaging NEC		
Hormone level abnormal	2	0
Heart rate and pulse investigations		
Heart rate	2	0
Heart rate increased	1	0
Heart rate irregular	1	0
Hepatobiliary function diagnostic procedures		
Hepatic enzyme increased	1	0
Investigations NEC		
Blood test	1	0
Physical examination procedures and organ system status		
Body temperature	1	0
Body temperature abnormal	1	0
Respiratory tract and thoracic imaging procedures		
Chest X-ray	1	0
Urinary tract function analyses NEC		
Urine output decreased	1	0
Vascular tests NEC (incl blood pressure)		
Blood pressure measurement	1	0
Virus identification and serology		
Viral test	1	0
Investigations SOC TOTAL	14	0

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Reaction Name	Total	Fatal
Metabolic disorders		
Appetite disorders		
Decreased appetite	3	0
Hypophagia	1	0
Disorders of purine metabolism		
Gout	1	0
Total fluid volume decreased		
Dehydration	3	0
Metabolic disorders SOC TOTAL	8	0

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Reaction Name	Total	Fatal
Muscle & tissue disorders		
Arthropathies NEC		
Arthritis	1	C
Joint related disorders NEC		
Temporomandibular joint syndrome	1	C
Joint related signs and symptoms		
Arthralgia	29	C
Joint swelling	2	C
Muscle pains		
Fibromyalgia	1	C
Myalgia	25	C
Muscle related signs and symptoms NEC		
Muscle fatigue	1	C
Muscle spasms	2	C
Muscle tightness	1	C
Muscle twitching	1	C
Muscle weakness conditions		
Muscular weakness	1	C
Musculoskeletal and connective tissue conditions NEC		
Musculoskeletal stiffness	4	C
Musculoskeletal and connective tissue pain and discomfort		
Back pain	6	C
Limb discomfort	6	C
Musculoskeletal chest pain	2	C
Musculoskeletal discomfort	1	C
Neck pain	7	C
Pain in extremity	33	C
Soft tissue disorders NEC		
Axillary mass	3	C
Neck mass	1	C
Muscle & tissue disorders SOC TOTAL	128	0

Report Run Date: 08-Aug-2022 Earliest Reaction Date: 27-Apr-2020

Earliest Reaction Date: 27-Apr-2020 MedDRA Version: MedDRA 25.0		
Reaction Name	Total	Fatal
Nervous system disorders		
Central nervous system haemorrhages and cerebrovascular accidents		
Cerebrovascular accident	2	C
Coordination and balance disturbances		
Balance disorder	1	C
Disturbances in consciousness NEC		
Lethargy	7	C
Loss of consciousness	2	C
Somnolence	3	C
Syncope	3	C
Facial cranial nerve disorders		
Facial spasm	2	C
Headaches NEC		
Cluster headache	3	C
Headache	63	C
Sinus headache	1	C
Tension headache	1	C
Memory loss (excl dementia)		
Amnesia	2	C
Memory impairment	1	0
Mental impairment (excl dementia and memory loss)		
Mental impairment	1	0
Migraine headaches		
Migraine	8	0
Neurological signs and symptoms NEC		
Dizziness	22	0
Dizziness postural	2	0
Head discomfort	1	0
Neurological symptom	1	0
Presyncope	2	C
Neuromuscular junction dysfunction		
Myasthenia gravis crisis	1	0
Paraesthesias and dysaesthesias		-
Hypoaesthesia	11	0
Paraesthesia	12	0
Paralysis and paresis (excl cranial nerve)		
Paraplegia	1	0
Sensory abnormalities NEC		
Ageusia	2	C
Dysgeusia		
Neuralgia	2	C
Sensory disturbance	2	C
Sensory loss	2	C
Taste disorder	2	C
Transient cerebrovascular events	2	Ľ
Transient ischaemic attack	2	C
Tremor (excl congenital)	2	L L
Tremor	5	(
	5	(
Trigeminal disorders	4	
Trigeminal neuralgia	470	(
Nervous system disorders SOC TOTAL	173	

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Reaction Name	Total	Fatal
Psychiatric disorders		
Anxiety symptoms		
Anxiety	2	0
Confusion and disorientation		
Confusional state	1	0
Deliria		
Delirium	1	0
Disturbances in initiating and maintaining sleep		
Insomnia	6	0
Dyssomnias		
Poor quality sleep	1	0
Emotional and mood disturbances NEC		
Emotional disorder	1	0
Irritability	3	0
Fluctuating mood symptoms		
Mood swings	1	0
Hallucinations (excl sleep-related)		
Hallucination	1	0
Increased physical activity levels		
Restlessness	1	0
Mood alterations with depressive symptoms		
Depressed mood	1	0
Perception disturbances NEC		
Illusion	1	0
Suicidal and self-injurious behaviour		
Suicidal ideation	1	0
Psychiatric disorders SOC TOTAL	21	0

Reaction Name	Total	Fatal
Renal & urinary disorders		
Bladder and urethral symptoms		
Dysuria	1	0
Renal disorders NEC		
Renal disorder	1	0
Urinary tract signs and symptoms NEC		
Renal pain	1	0
Renal & urinary disorders SOC TOTAL	3	0

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Reaction Name	<u>Total</u>	Fatal
Reproductive & breast disorders		
Breast signs and symptoms		
Breast pain	2	0
Menopausal effects NEC		
Premature menopause	1	0
Menstruation and uterine bleeding NEC		
Dysmenorrhoea	1	0
Menstrual disorder	2	0
Menstruation irregular	4	0
Menstruation with decreased bleeding		
Amenorrhoea	1	0
Menstruation delayed	5	0
Menstruation with increased bleeding		
Heavy menstrual bleeding	6	0
Reproductive tract signs and symptoms NEC		
Pelvic pain	1	0
Spermatogenesis and semen disorders		
Haematospermia	1	0
Vulvovaginal disorders NEC		
Vaginal haemorrhage	1	0
Reproductive & breast disorders SOC TOTAL	25	0

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Reaction Name	Total	Fatal
Respiratory disorders		
Breathing abnormalities		
Dyspnoea	14	0
Mouth breathing	1	0
Bronchospasm and obstruction		
Asthma	1	0
Wheezing	1	0
Coughing and associated symptoms		
Cough	4	0
Lower respiratory tract signs and symptoms		
Pulmonary pain	1	0
Nasal disorders NEC		
Epistaxis	1	0
Pharyngeal disorders (excl infections and neoplasms)		
Pharyngeal swelling	1	0
Upper respiratory tract signs and symptoms		
Aphonia	1	0
Dry throat	1	0
Dysphonia	1	0
Oropharyngeal pain	4	0
Sinus pain	1	0
Yawning	1	0
Respiratory disorders SOC TOTAL	33	0

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Earliest Reaction Date: 27-Apr-2020 Reaction Name	MedDRA Version: MedDRA 25.0 Total	Fatal
	Total	
Skin disorders		
Alopecias		
Alopecia	2	
Angioedemas		
Angioedema	1	
Apocrine and eccrine gland disorders		
Cold sweat	2	
Hyperhidrosis	9	C
Bullous conditions		
Blister	1	C
Dermal and epidermal conditions NEC		
Dry skin	1	
Pain of skin	2	
Sensitive skin	1	
Skin burning sensation	1	
Skin discolouration	1	
Skin plaque	1	C
Dermatitis and eczema	1	
Dermatitis contact	1	
Eczema	3	
Eczema asteatotic		0
Erythemas	3	c c
Erythema		
Papulosquamous conditions	1	
Pityriasis rosea		
Photosensitivity and photodermatosis co Photosensitivity reaction		c c
Pilar disorders NEC	2	
Hair colour changes	1	0
Hair texture abnormal	1	
Pruritus NEC		
Pruritus	12	. c
Psoriatic conditions	12	
Psoriasis	2	. c
Rashes, eruptions and exanthems NEC	-	
Rash	13	C
Rash erythematous	1	
Rash macular	1	
Rash papular	1	0
Rash pruritic	2	
Scaly conditions		
Dandruff	1	C
Skin cysts and polyps		
Dermal cyst	1	0
Urticarias		
Urticaria	4	(
Skin disorders SOC TOTAL	73	

Reaction Name	<u>i otai</u>	Fatal
Social circumstances		
Age related issues		
Menopause	2	0
Social circumstances SOC TOTAL	2	0

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 Reaction Name
 Total

	<u>l otal</u>	Fatal
Surgical & medical procedures		
Therapeutic procedures NEC		
Injection	1	0
Surgical & medical procedures SOC TOTAL	1	0

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Reaction Name	Total	Fatal
Vascular disorders		
Accelerated and malignant hypertension		
Hypertensive crisis	1	0
Haemorrhages NEC		
Haemorrhage	3	0
Peripheral embolism and thrombosis		
Deep vein thrombosis	1	0
Peripheral vascular disorders NEC		
Cyanosis	1	0
Hot flush	6	0
Peripheral vasoconstriction, necrosis and vascular insufficiency		
Peripheral coldness	1	0
Site specific vascular disorders NEC		
Pallor	3	0
Vascular hypertensive disorders NEC		
Hypertension	1	0
Vascular hypotensive disorders		
Hypotension	2	0
Vascular disorders SOC TOTAL	19	0
TOTAL REACTIONS FOR DRUG	887	3
TOTAL REPORTS	309	
TOTAL FATAL OUTCOME REPORTS		3