

9 June 2021

Medicines and Healthcare Products Regulatory Agency



Dear Dr. Raine,

**RE: Urgent preliminary report of Yellow Card data up to 26<sup>th</sup> May 2021**

As the Director of the Evidence-based Medicine Consultancy Ltd and EbMC Squared CiC, I am writing to share with you this urgent preliminary report on the Yellow Card data up to 26<sup>th</sup> May 2021. Please note that EbMC Squared CiC is a Community Interest Company that conducts research mandated by the public and funded by public donations. We have no conflicts of interest and do not engage in industry-funded work.

The MHRA describes the purpose of its Yellow Card system as providing “an early warning that the safety of a medicine or a medical device may require further investigation. It is important for people to report problems experienced with medicines or medical devices as these are used to identify issues which might not have been previously known about.”<sup>1</sup> Furthermore, the MHRA recognises that the conditions under which medicines are studied in clinical trials do not reflect how the medicines will be used in hospitals or clinical practice once they are rolled out. This means that some adverse drug reactions “may not be seen until a very large number of people have received the medicine.”

The Covid-19 vaccines were rolled out in the UK on the 8th of December 2020. As of the 6th May 2021 nearly 39 million people have received their first dose of the Covid-19 vaccine, and 24 million both doses. Sufficient data have now accumulated to get a good overview of adverse

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<sup>1</sup> <https://yellowcard.mhra.gov.uk/the-yellow-card-scheme/>



drug reactions (ADRs). I would, therefore, like to draw your attention to the high number of covid-19 vaccine-attributed deaths and ADRs that have been reported via the Yellow Card system between the 4<sup>th</sup> January 2021 and the 26<sup>th</sup> May 2021. In total, 1,253 deaths and 888,196 ADRs (256,224 individual reports) were reported during this period.

To facilitate a better clinical understanding of the nature of the adverse events occurring, primarily to inform doctors at the frontline, we have searched the Yellow Card reports using pathology-specific key words to group the data according to the following five broad, clinically relevant categories:

- A. Bleeding, Clotting and Ischaemic ADRs
- B. Immune System ADRs
- C. 'Pain' ADRs
- D. Neurological ADRs
- E. ADRs involving loss of Sight, Hearing, Speech or Smell
- F. Pregnancy ADRs

After running each search, we entered the results into an Excel spreadsheet, excluding ADRs that were clearly irrelevant or appeared in duplicate. These spreadsheets will be used going forward to facilitate the weekly monitoring of Yellow Card data. We recognise that keywords may need expanding to capture category relevant ADRs that may have been missed in this preliminary ADR scope and analysis.

## A. Bleeding, Clotting and Ischaemic Adverse Drug Reactions (Table 1)

We used the following SEARCH TERMS to identify bleeding, clotting and ischaemic ADRs: **bleed, haemo\*, thrombo\*, emboli\*, coag\*, death, ischaem\*, infarct\*, angina, stroke, cerebrovascular, CVA.**

We included the term 'death' in this search group, as this term accounted for many reported fatalities (438) without specific details. Given the large number of fatalities without a specific cause of death, we considered that ADRs reported in this way, in particular as 'sudden death', would be most likely to occur from haemorrhagic, thrombo-embolic or ischaemic events. Given the seriousness of this ADR, we considered it justifiable to do this pending a Freedom of Information (FOI) request to clarify the cause of death in these 438 people.



Using these search terms, 13,766 bleeding, clotting and ischaemic ADRs were identified – 856 of which were fatal. Government reports have highlighted the occurrence of cerebral venous sinus thrombosis, apparently accounting for 24 fatalities and 226 ADRs up to the 26<sup>th</sup> May 2021. However, our analysis indicates that thromboembolic ADRs have been reported in almost every vein and artery, including large vessels like the aorta, and in every organ including other parts of the brain, lungs, heart, spleen, kidneys, ovaries and liver, with life-threatening and life-changing consequences. The most common Yellow Card categories affected by these sorts of ADRs were the nervous system (152 fatalities, mainly from brain bleeds and clots), respiratory (with 103 fatalities, mainly from pulmonary thromboembolism) and cardiac categories (81 fatalities).

## **B. Immune System Adverse Drug Reactions (Infection, Inflammation, Autoimmune, Allergic) (Table 2)**

We used the following SEARCH TERMS to identify immune system ADRs: **INFECTION (category), IMMUNE DISORDERS (category), -itis; immun, multiple sclerosis, lupus, myasthenia, pernicious, diabetes, Addison, Crohn's, Coeliac, Graves, alopecia, amyloidosis, antiphospholipid, angioedema, Behcet's, pemphigoid, psoriasis, aplasia, sarcoidosis, scleroderma, thrombocytopenia, vitiligo, Miller Fisher, Guillain-Barre; allerg\*, urticaria, rash, eczema, asthma**

To the 26<sup>th</sup> May, a total of 54,870 ADRs and 171 fatalities fell into this category, which comprised the second most common cause of post-vaccination fatalities after 'Bleeding, Clotting and Ischaemic ADRs'. However, only 4 associated fatalities were reported under the Yellow card 'IMMUNE DISORDERS' category, with the majority (141 fatalities associated with 19,474 ADRs) reported under the 'INFECTIONS' category. Among 1,187 people for whom post-vaccination COVID infection was reported, there were 72 fatalities (6% of reported COVID infection ADRs).

Many 'INFECTION' category ADRs indicated the occurrence of re-activation of latent viruses, including Herpes Zoster or shingles (1,827 ADRs), Herpes Simplex (943 ADRs, 1 fatal), and Rabies (1 fatal ADR) infections. This is strongly suggestive of vaccine-induced immune-compromise. Bell's palsy, also associated with latent virus re-activation, is reported in the Neurological ADRs section of this report (D). Also suggestive of vaccine-induced immunocompromise was the high number of immune-mediated conditions reported, including Guillain-Barré Syndrome (280 ADRs, 6 deaths), Crohn's and non-infective colitis (231 ADRs, 2 deaths) and Multiple Sclerosis (113 ADRs).



Allergic responses to the vaccines comprised 25,270 reported ADRs, with 4 fatalities occurring among 1,001 people experiencing anaphylactic reactions.

## C. 'Pain' Adverse Drug Reactions

We used the following SEARCH TERMS to identify pain ADRs: **pain, -algia**.

Pain ADRs accounted for at least 157,579 ADRs (18%) in total. A large number of these were arthralgias (joint pains – 24,902 ADRs) and myalgias (muscle pains – 31,168 ADRs), including fibromyalgia (270 ADRs), a long-term condition that causes pain all over the body. Among Congenital Disorders (usually conditions present from birth) there were 11 reports of Paroxysmal Extreme Pain Disorder (PEPD), which is an extremely rare inherited disease caused by a genetic mutation leading to dysfunction of voltage-gated sodium channels. The head was the most common location for pain, but abdominal pain, eye pain, chest pain, pain in extremities, and anywhere else that pain can be imagined was reported. Headaches were reported more than 90,000 times and were associated with death in four people (excluding deaths reported to be from other causes, that may also have involved headache).

## D. Neurological Adverse Drug Reactions

In addition to examining ADRs in the **NERVOUS SYSTEM DISORDERS (category)**, we used the following SEARCH TERMS to identify neurological ADRs specifically involving paralysis, neurological degeneration, and convulsive ADRs as follows: **(paralysis), palsy, paresis, neuropathy, incontinence, Guillain-Barre, Miller Fisher, multiple sclerosis; (neurodegeneration) encephalopathy, dementia, ataxia, spinal muscular atrophy, delirium, Parkinson; (seizure), convuls, seizure, fit, -lepsy**

Twenty-one percent (185,474) of ADRs were categorized as Nervous System Disorders in the Yellow Card system. A wide variety of neurological ADRs were noted, including 1,992 ADRs involving seizures and 2,357 ADRs involving some form of paralysis, including Bell's palsy (626 ADRs). Other ADRs involving encephalopathy (18), dementia (33), ataxia (34), spinal muscular atrophy (1), Parkinson's (18) and delirium (504) may reflect post-vaccination neurodegenerative pathology.

The majority of fatalities associated with Nervous System ADRs occurred as a result of central nervous system haemorrhages – 127 fatalities out of the 186 fatalities reported as Nervous



System fatalities. These 127 have been counted in group A (Bleeding, clotting and Ischaemic ADRs).

More information is needed to determine the extent of the morbidity associated with this alarmingly large category of ADRs. Access to the full Yellow Card database and consultation with clinical specialists, along with follow up of these reports, is urgently needed.

## E. Adverse Drug Reactions involving loss of sight, hearing, speech or smell

We used the following SEARCH TERMS: **speech, taste, smell, olfactory, blind, sight, visual, vision, deaf, hearing.**

There were 4,771 reports of visual impairment including blindness, 130 reports of speech impairment, 4,108 reports of taste impairment, 354 reports of olfactory impairment, and 704 reports of hearing impairment.

## F. Pregnancy Adverse Drug Reactions

Given that vaccinated pregnant women comprise a small proportion of the vaccinated population in the UK up to 26<sup>th</sup> May 2021, there appear to be a high number of Pregnancy ADRs (307 ADRs), including one maternal death, 12 stillbirths (reported as 6 stillbirths and 6 foetal deaths, but only 3 listed as fatal(?)), one newborn death following preterm birth, and 150 spontaneous abortions. We have submitted a FOI request as to the cause of the maternal death and will look into pregnancy and congenital ADRs in more detail in our next report.

## Limitations of this rapid report

This report is not comprehensive, and analysis of Yellow Card data is ongoing. The process of defining the search terms was iterative and we trust that it provides a basis for discussion among clinicians and scientists. We have not compared the frequencies of ADRs between different vaccines; however, our impression is that ADRs were not limited to any particular vaccine brand (AstraZeneca, Pfizer and Moderna) or type (mRNA and DNA) currently used in the UK. UK ADR data mirror data reported on the World Health Organization's pharmacovigilance database



([www.Vigiaccess.org](http://www.Vigiaccess.org)). On the latter, most reported ADRs to date (941,774 ADRs and 5,474 deaths) have occurred among individuals in the 18 to 44 years and 45 to 64 years of age categories (38% and 35%, respectively); the vast majority (72%) of reported ADRs have occurred among women. Unfortunately, we have been unable to examine the UK Yellow Card data according to age and gender due to lack of data availability.

We are aware of the limitations of pharmacovigilance data and understand that information on reported Adverse Drug Reactions should not be interpreted as meaning that the medicine in question generally causes the observed effect or is unsafe to use. We are sharing this preliminary report due to the urgent need to communicate information that should lead to cessation of the vaccination roll out while a full investigation is conducted. According to the recent paper by Seneff and Nigh (1), potential acute and long-term pathologies include:

- Pathogenic priming, multisystem inflammatory disease and autoimmunity
- Allergic reactions and anaphylaxis
- Antibody dependent enhancement
- Activation of latent viral infections
- Neurodegeneration and prion diseases
- Emergence of novel variants of SARSCoV2
- Integration of the spike protein gene into the human DNA

The nature and variety of ADRs reported to the Yellow Card System are consistent with the potential pathologies described in this paper and supported by other recent scientific papers on vaccine-induced harms, which are mediated through the vaccine spike protein product (2,3). It is now apparent that these products in the blood stream are toxic to humans. An immediate halt to the vaccination programme is required whilst a full and independent safety analysis is undertaken to investigate the full extent of the harms, which the UK Yellow Card data suggest include thromboembolism, multisystem inflammatory disease, immune suppression, autoimmunity and anaphylaxis, as well as Antibody Dependent Enhancement (ADE).

Due to the need for expedience, we have not detailed all ADRs in this preliminary report. The existing Yellow Card data covering just under a five-month period indicate that the extent of morbidity and mortality associated with the COVID-19 vaccines is unprecedented.

Age and gender specific data, as well as the time from vaccination, are required to further our analysis of these data and we have sent Freedom of Information Requests (FOIRs) to the MHRA in this regard.



In addition, urgent independent expert evaluation and discussion is required to assess whether the novel vaccines may be causing gene mutations among recipients, as suggested by the occurrence of usually extremely rare genetic disorders, such as Paroxysmal Extreme Pain Disorder (PEPD). In addition to the 11 cases of PEPD on the Yellow Card system, there are currently 12 reports of this extremely rare condition on the WHO's Vigiaccess.org database and 10 on the European Medicines Agency's (EUDRA) pharmacovigilance database. Are these ADRs occurring in babies of vaccinated pregnant women, or spuriously among vaccinated adults? This question needs urgent attention.

As pharmacovigilance data are known to be substantially under-reported, we recommend that the MHRA urgently publicises these ADR data and assists people with their ADR reporting, to facilitate full elucidation and clarification of the extent of the problem.

The MHRA now has more than enough evidence on the Yellow Card system to declare the COVID-19 vaccines unsafe for use in humans. Preparation should be made to scale up humanitarian efforts to assist those harmed by the COVID-19 vaccines and to anticipate and ameliorate medium to longer term effects. As the mechanism for harms from the vaccines appears to be similar to COVID-19 itself, this includes engaging with numerous international doctors and scientists with expertise in successfully treating COVID-19.

There are at least 3 urgent questions that need to be answered by the MHRA:

- 1 How many people have died within 28 days of vaccination?
- 2 How many people have been hospitalised within 28 days of vaccination?
- 3 How many people have been disabled by the vaccination?

EbMC Squared CiC remains at your service to assist with further analysis. We kindly request full access to the Yellow Card database with immediate effect to enable a comprehensive, independent and accurate evaluation of the Yellow Card data, which will be undertaken in collaboration with clinical experts.

Yours sincerely,

Dr. Tess Lawrie (MBBCh, PhD)

Director, Evidence-based Medicine Consultancy Ltd and EbMC Squared CiC

Bath, UK



## References

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**Table 1. Bleeding, Clotting and Ischaemic Adverse Drug Reactions (up to 26<sup>th</sup> May 2021 – Week 18)**

YELLOW CARD CATEGORY	SEARCH: death	SEARCH: Haemorrhage, bleed, haemo	SEARCH: ischaem, infarct, angina, stroke, cerebrovascular, CVA	SEARCH: Thrombo, emboli, coag	Total Week 18
	All ADRs (fatalities)	All ADRs (fatalities)	All ADRs (fatalities)	All ADRs (fatalities)	All ADRS (fatalities)
<b>Blood disorders</b>		42 (1)	11	930 (8)	<b>983 (9)</b>
<b>Cardiac disorders</b>		7 (4)	654 (73)	20 (4)	<b>681 (81)</b>
<b>Congenital disorders</b>		3		1	<b>4</b>
<b>Ear disorders</b>		14			<b>14</b>
<b>Endocrine disorders</b>		10		1	<b>11</b>
<b>Eye disorders</b>		239	8	16	<b>263</b>
<b>Gastrointestinal disorders</b>		482 (4)	37 (4)	35 (1)	<b>554 (9)</b>
<b>General disorders</b>	438 (438)	47		1	<b>486 (438)</b>
<b>Hepatic disorders</b>		2	3 (1)	78 (4)	<b>83 (5)</b>
<b>Immune system disorders</b>		6			<b>6</b>
<b>Infections</b>		1		1	<b>2</b>
<b>Injuries</b>		20 (1)	2	2	<b>24 (1)</b>
<b>Investigations</b>		12		157	<b>169</b>
<b>Muscle &amp; tissue disorders</b>		5			<b>5</b>
<b>Neoplasms</b>		1		3	<b>4</b>
<b>Nervous system disorders</b>		361 (64)	1730 (59)	342 (29)	<b>2433 (152)</b>
<b>Pregnancy conditions</b>	8 (8) <sup>2</sup>			37	<b>43 (8)</b>
<b>Renal &amp; urinary disorders</b>		59 (1)	11	10	<b>80 (1)</b>
<b>Reproductive &amp; breast disorders</b>		2802		2	<b>2804</b>
<b>Respiratory disorders</b>		138 (1)	12 (1)	1365 (101)	<b>1515 (103)</b>
<b>Skin disorders</b>		55			<b>55</b>
<b>Surgical &amp; medical procedures</b>				4	<b>4</b>
<b>Vascular disorders</b>		777 (4)	64 (2)	2702 (43)	<b>3543 (49)</b>
<b>Grand Total</b>	<b>(444)</b>	<b>5083 (80)</b>	<b>2532 (140)</b>	<b>5707 (190)</b>	<b>13766 (856 fatalities)</b>

<sup>2</sup> 1 maternal death, 1 newborn death, 6 stillbirths



**Table 2. Immune System Adverse Drug Reactions (up to 26<sup>th</sup> May 2021 – Week 18)**

YELLOW CARD CATEGORY	SEARCH: inflammation (-itis), infection, infections (category)	SEARCH: <sup>3</sup> Immun (term), immune system (category)	SEARCH: allerg, <sup>4</sup> asthma, eczema, urticaria, rash	Total Week 18
	All ADRs (fatalities)	All ADRs (fatalities)	All ADRs (fatalities)	All ADRs (fatalities)
<b>Blood disorders</b>	123	253		<b>376 (4)</b>
<b>Cardiac disorders</b>	131 (2)	1		<b>132 (2)</b>
<b>Congenital disorders</b>	2	2		<b>4</b>
<b>Ear disorders</b>	12	1		<b>13</b>
<b>Endocrine disorders</b>	21	12		<b>33</b>
<b>Eye disorders</b>	178	6	46	<b>230</b>
<b>Gastrointestinal disorders</b>	611 (3)	110		<b>721 (3)</b>
<b>General disorders</b>	942		92	<b>1034</b>
<b>Hepatic disorders</b>	49 (1)	6		<b>55 (1)</b>
<b>Immune system disorders</b>		3150 (4)		<b>3414 (4)</b>
<b>Infections</b>	19472 (141)			<b>19472 (141)</b>
<b>Injuries</b>	25			<b>25</b>
<b>Investigations</b>	1	24	2	<b>27</b>
<b>Metabolic disorders</b>		165 (1)		<b>165 (1)</b>
<b>Muscle &amp; tissue disorders</b>	1503	51		<b>1554</b>
<b>Nervous system disorders</b>	201	472 (7)		<b>673 (7)</b>
<b>Pregnancy conditions</b>		10		<b>10</b>
<b>Renal &amp; urinary disorders</b>	41 (1)			<b>41 (1)</b>
<b>Reproductive &amp; breast disorders</b>	19		5 (1)	<b>24 (1)</b>
<b>Respiratory disorders</b>	69 (2)	4	46	<b>119 (2)</b>
<b>Skin disorders</b>	470	1041	25,077 (1)	<b>26588 (1)</b>
<b>Surgical &amp; medical procedures</b>		2	1	<b>3</b>
<b>Vascular disorders</b>	419 (3)	2		<b>421 (3)</b>
<b>Grand Total</b>	<b>24289 (153)</b>	<b>5312 (16)</b>	<b>25270 (2)</b>	<b>54870 (171 fatalities)</b>

<sup>3</sup> multiple sclerosis, lupus, myasthenia, pernicious, diabetes, Addison, Crohn's, Coeliac, Graves, alopecia, amyloidosis, antiphospholipid, angioedema, Behcet's, pemphigoid, psoriasis, aplasia, sarcoidosis, scleroderma, thrombocytopenia, vitiligo, Miller Fisher, Guillain Barre

<sup>4</sup> 1265 allergic responses were included in the Yellow Card 'IMMUNE SYSTEM DISORDERS' category and are not included in this column – these included 1001 anaphylactic ADRs with 4 associated deaths.

