1 2	Monday, 3 March 2025 (10.30 am)	1 2	resolved. Before I ask Mr Wald King's Counsel to outline the
3	Opening remarks by THE CHAIR	3	issues that we will be investigating, as usual, we shall
4	LADY HALLETT: Good morning. Today we begin the hearings	4	play an impact film in which people describe their
5	into Module 5, procurement. During these hearings we	5	experience of the pandemic.
6	shall be investigating a number of issues, including	6	Given the nature of their accounts, people may find
7	alleged profiteering, quality of the equipment supplied,	7	them distressing, and I recommend that those who do not
8	and the High Priority Lane.	8	wish to see the film, if they're following online, that
9	The Inquiry will investigate how the systems used by	9	they press pause now, or if they wish to, they leave the
10	the four governments of the United Kingdom worked, and	10	hearing room. The video lasts about 20 minutes. Please
11	whether they can be improved for a future pandemic.	10	play the film.
12	Our investigation includes analysis of some of the	12	[Impact film was played]
13	contracts to supplier equipment but does not require me	12	LADY HALLETT: I don't know if anyone wishes to return.
14	to call individual suppliers. My focus will be on how	14	Yes.
14		14	Mr Wald.
16	the government responded to the suppliers' offers. It is not my role, and indeed, I am forbidden by the	15	
17		10	Opening statement by LEAD COUNSEL TO THE INQUIRY for MODULE 5
	Inquiries Act, to attribute civil or criminal liability		
18	to any individual or company. I am aware that there are	18	<b>MR WALD:</b> My Lady, the subject of this, the fifth module of
19	ongoing investigations into some of the matters had will	19	the Inquiry, is the procurement and distribution of
20	be touched on by this module, and in one case I have	20	healthcare equipment and supplies during the Covid-19
21	agreed that some evidence will be heard with special	21	pandemic. The total expenditure by the governments of
22	restrictions applying, to make sure I can hear the	22	the UK and devolved administrations on PPE, ventilators,
23	evidence without prejudicing any possible criminal	23	and testing supplies, incurred during the period of
24	investigation. The information that I receive will	24	focus for this Inquiry, that is 1 January 2020 to
25	become public as soon as any criminal investigations are 1	25	28 June 2022, was approximately £41.2 billion, broken 2
4		4	and an viewant for DCD tasting. Every diture on these
1 2	down in the following ways: PPE, about £14.9 billion;	1 2	and equipment for PCR testing. Expenditure on those
2	NHS Test and Trace, approximately £26 billion; and	2	alone during the pandemic constitute 1.5% of the UK's
	ventilators, approximately £700 million.		2023 gross domestic product.
4 5	These sums were spent on the authority of dozens of	4 5	Or to put it another way, in the year 2019 to 2020,
6	ministers and many hundreds of officials on behalf of	6	SCCL, the NHS commercial entity for which NHS trusts and boards procure a significant amount of health and care
	the public across the four nations. They were, in so		
7	doing, exercising powers to purchase vitally important	7	equipment and supplies, procured around £146 million of
8 9	healthcare equipment during the course of the emergency. It is the key decisions of these individuals and the	8 9	PPE, which is 1% of the amount spent on PPE procurement in 2020 alone.
	-	9 10	It should be noted that PPE was, before the
10 11	contracts they entered into on behalf of the public	10	
12	during this time which form the subject of the scope of	12	pandemic, not a category of product that was needed in
13	this module, and its resulting investigation.	12	vast quantities.
	To place this figure in context, the Inquiry in		On any view, these are very significant sums, and
14 15	Module 1 found, as an estimate, that the total cost of government spending resulting from Covid-19 on all	14 15	worthy of thorough investigation. This module will be
16		16	investigating what happened, in order to better
17	measures, including support for businesses, public	10	understand how money was spent during the pandemic, and
	services, individuals, health and social care, and		to learn lessons as to how it might be more effectively
18 10	operational expenditure, was in excess of £376 billion.	18 10	spent if needs be in the future.
19 20	The expenditure on the procurement of PPE, lateral	19 20	The level of spending on such healthcare equipment
20 21	flow tests, and equipment for PCR testing and	20 21	was not anticipated by anyone, including His Majesty's
21 22	ventilators combined represents 11% of this sum,	21	Treasury. To take the example of PPE alone, the
22	split 4%, 7%, and 0.2% respectively.	22	Treasury's spending envelopes, that is the total amount
22	The investigation within this module has focused on	23	of money it plans to spend over a set period of time,
23 24	the procurement of key healthcare equipment and	24	expanded 138 fold from £100 million to £13.8 hillion
23 24 25	the procurement of key healthcare equipment and supplies, particularly that of PPE, lateral flow tests,	24 25	expanded 138-fold, from £100 million to £13.8 billion, as this graph shows.

(1) Pages 1 - 4

1	And I'd ask for Inquiry document INQ000474916 to be	1	a matter to which you have referred in your introductory
2	displayed.	2	comments this morning an important point already made
3	This was to respond to the buying which was led by	3	at preliminary hearings in this module, namely that it
4	the Department of Health and Social Care.	4	is not its function, or that of the Inquiry more
5	One can see from the graph over the period of	5	generally, to investigate any such alleged abuses and
6	100 days between the first purchase and last purchase of	6	make findings to as criminal and/or civil liability.
7	PPE, between 22 March 2020 and 30 June 2020,	7	Indeed, my Lady has pointed out that you are prohibited
8	ever-increasing spending envelopes as one moves across	8	from making such findings by Section 2 of the Inquiries
9	the graph. These sums, vast as they are, have	9	Act of 2005.
9 10	understandably been the subject of considerable public	9 10	Module 5 is therefore focused instead on the
10	interest and media attention.	10	processes or systematic features within the government's
12		12	
	One of the questions which has been, and continues		of the four nations relating to procurement of key
13	to be, posed is whether, during the course of the crisis	13	healthcare equipment and supplies, rather than the
14	which faced the country, the public purse was exploited	14	conduct of individual suppliers which could offer
15	for personal gain by those with close connections to	15	limited, if any, useful evidence as to the operation of
16	government and officials. There has been a substantial	16	those systems and how they held up to the significant
17	amount of public discourse about whether there was	17	pressures brought about by the pandemic, and whether
18	corruption, cronyism, and misuse of public money carried	18	there was an efficient, effective and fair system for
19	out under cover of protecting frontline health and	19	public procurement during that period.
20	social care workers, as well as the public, from	20	The hearings for Module 5 will cover a broad range
21	Covid-19 infection. The Inquiry has considered not only	21	of issues identified by the Inquiry throughout the
22	referrals by those with connections to the then	22	investigation. It will examine procurement across the
23	governing Conservative Party, but also those made by	23	four nations, and identify differences in practice, and
24	political parties including the Labour Party.	24	any impact that those differences had on the purchase of
25	It is worth re-emphasising and, my Lady, this is 5	25	key healthcare equipment and supplies. It will, of 6
1	course, cover those areas identified in its scope, as	1	highlighting the issues which need to be examined, as
2	depicted here.	2	set out in the scope of the module.
2 3	depicted here. And this, my Lady, as you will be well aware, is	2 3	set out in the scope of the module. Taking these three in turn, PPE demonstrates the
	•		Taking these three in turn, PPE demonstrates the approach to large-scale procurement of high-volume,
3	And this, my Lady, as you will be well aware, is	3	Taking these three in turn, PPE demonstrates the
3 4	And this, my Lady, as you will be well aware, is a document that is available on the Inquiry website.	3 4	Taking these three in turn, PPE demonstrates the approach to large-scale procurement of high-volume,
3 4 5	And this, my Lady, as you will be well aware, is a document that is available on the Inquiry website. It's two pages long and it sets out the parameters of	3 4 5	Taking these three in turn, PPE demonstrates the approach to large-scale procurement of high-volume, low-value items and the effect of an open source
3 4 5 6	And this, my Lady, as you will be well aware, is a document that is available on the Inquiry website. It's two pages long and it sets out the parameters of Module 5.	3 4 5 6	Taking these three in turn, PPE demonstrates the approach to large-scale procurement of high-volume, low-value items and the effect of an open source approach.
3 4 5 6 7	And this, my Lady, as you will be well aware, is a document that is available on the Inquiry website. It's two pages long and it sets out the parameters of Module 5. There it is. Thank you.	3 4 5 6 7	Taking these three in turn, PPE demonstrates the approach to large-scale procurement of high-volume, low-value items and the effect of an open source approach. Ventilators considers the procurement of highly
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(2) Pages 5 - 8

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1	processes and plans might perform better if and when
2	faced with the next global health emergency. The
3	recommendations the Inquiry will make within this module
4	will seek to provide an answer to that central question.
5	My Lady, there is no Every Story Matters report for
6	Module 5. Our focus in this module is emphatically on
7	procurement itself and, in particular, how decisions on
8	what to buy, at what price and from whom inform a proper
9	understanding of why there were shortages of adequate
10	PPE faced by the health and social care staff.
11	In order to understand how the decisions made at
12	official or government or devolved nations level
13	impacted end users and others in the market trying to
14	buy PPE, the Inquiry engaged with local authorities and
15	NHS trusts and boards across the four nations in
16	relation to the scale of procurement for their
17	organisation before and during the pandemic,
18	difficulties in obtaining key healthcare equipment and
19	supplies, and details of any lessons learned and
20	exercises carried out.
21	A summary of the relevant information provided to
22	the Inquiry has been provided to Core Participants. A
23	number of NHS trusts and boards and local authorities
24	were asked to provide written evidence to the Inquiry
25	giving more details about their experiences of procuring
	9
1	followed by the arrival of items, 50%, and cost, 49%.
1 2	followed by the arrival of items, 50%, and cost, 49%. In order to assist you, my Lady, in understanding
	•
2	In order to assist you, my Lady, in understanding
2 3	In order to assist you, my Lady, in understanding the impact of these procurement decisions, you will hear
2 3 4	In order to assist you, my Lady, in understanding the impact of these procurement decisions, you will hear from the NHS Confederation, the Royal College of Nursing
2 3 4 5	In order to assist you, my Lady, in understanding the impact of these procurement decisions, you will hear from the NHS Confederation, the Royal College of Nursing and the Cambridge University Hospital NHS Trust. Of
2 3 4 5 6	In order to assist you, my Lady, in understanding the impact of these procurement decisions, you will hear from the NHS Confederation, the Royal College of Nursing and the Cambridge University Hospital NHS Trust. Of course, my Lady has already heard other forms of
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2 3 4 5 6 7 8	In order to assist you, my Lady, in understanding the impact of these procurement decisions, you will hear from the NHS Confederation, the Royal College of Nursing and the Cambridge University Hospital NHS Trust. Of course, my Lady has already heard other forms of procurement-related impact evidence in Module 3 of this Inquiry, including from a number of frontline workers.
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healthcare equipment and supplies during the pandemic. In order to help frame the importance of this module, the decisions that were taken, and the systems and processes to the end user, some stark facts and figures are offered here. 91% of NHS trusts and boards in England and Wales who responded reported difficulties in obtaining key healthcare equipment and supplies with PPE, respiration and ventilator equipment and oxygen cylinders, most commonly cited as the most difficult to obtain. They highlighted that, in some instances, prices were raised by 64%, due to fierce international competition for products. Goods, including continuous positive airways pressure, or CPAP, and non-invasive ventilation masks, were reported as often low quality, defective, out of date, lacking certification paperwork and, even in one case, counterfeit. Overnight changes in national guidance reportedly caused surges of demand for certain types of PPE when mandated, resulting in some trusts and boards suddenly rationing supplies and being unable to comply with government policies on PPE use. They also had to

interpret guidance implementation based on stock levels. In local authorities, the vast majority of respondents,

25 77% in fact, cited item availability as their key issue,

10

1 ways in which Module 5 complements the work of other 2 modules. In seeking, through the evidence, to cover the 3 scope of this module, we've been mindful of the 4 relationship between it and others which you have been 5 and will be considering in the course of this Inquiry. 6 Module 5 naturally builds upon and dovetails with 7 the work of other modules. Nonetheless, it is 8 a detailed investigation in its own right which digs 9 deeper into the workings of government procurement during the pandemic than elsewhere at this Inquiry, and 10 11 is uniquely placed to provide a better understanding of 12 how that experience might be improved. 13 Where Module 1 ended on the preparedness and 14 resilience of the UK, this module will pick up the topic 15 of the make-up of the PPE stockpile and the planned 16 approach to supplementing it in the event of an 17 emergency such as the Covid-19 pandemic. This is 18 because the state of that stockpile self-evidently 19 informed the immediate procurement need. 20 The Inquiry found in the report for Module 1 that it 21 was clear that PPE needed to be stockpiled in advance of 22 a pandemic in sufficient quantities, fit tested and 23 connected to an effective distribution network. This 24 module will examine the extent to which what is 25 reflected in that conclusion was put into practice, and 12

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procurement.

1	will therefore address the following issues: the
2	condition of the PPE stockpile in January 2020; whether
3	the fact that the UK had prepared for a flu pandemic
4	proved to be a material factor in its failure adequately
5	to prepare for the demands of PPE which were placed upon
6	it from the Covid-19 pandemic; and the response of the
7	governments of the UK and devolved administrations to
8	any inadequacy once it had been discovered.
9	It will also consider the current condition of the
10	stockpile and how it could most effectively be
11	supplemented by emergency procurement in the future.
12	Module 3 looked at the experiences of the NHS
13	workforce with PPE shortages on the front line, and
14	Module 6 will turn in due course to look at the care
15	sector.
16	This module will consider the antecedent decisions
17	which resulted in frontline workers either lacking or
18	coming close to lacking adequate healthcare-related
19	equipment and supplies such as PPE they so urgently
20	needed during the pandemic.
21	This Inquiry has heard in detail in Module 3 about
22	what the infection prevention and control (IPC) guidance
23	in the UK recommended and what the World Health
24	Organisation recommended insofar as PPE for frontline
25	health care workers is concerned.
	13
1	Put simply, procurement is the process by which
2	governments or public bodies buy items or services over
3	a certain value. Professor Sanchez-Graells will help us
4	put some flesh on those bones and set the scene for the
5	rest of the module, but for now, in essence, when
6	governments or public bodies undertake procurement, they
7	must, to adopt the language of the government's guidance
8	on procurement policy, comply with relevant provisions
9	of law to ensure value for money, which is defined as:
10	"The best mix of quality and effectiveness for the
11	least outlay over the period of use for the goods or

12 services bought." 13 Failure to do so can result in successful legal 14 challenges against those public bodies responsible for 15 procurement decisions. For regular or non-emergency 16 procurement there are statutory time limits for each stage of the process, as well as transparency 17 18 requirements and measures built into the process which 19 assist in ensuring competition between suppliers and, 20 ultimately, in providing fairness and value for money 21 for the taxpayer. It is a specialist area. The procurement of PPE ventilators, lateral flow tests and 22 23 PCR tests is even more specialised. In emergencies, it 24 is, however, possible to make direct awards of 25 contracts. This process does not require competition

This module will examine how that was fed into the 1 2 procurement systems and inform decisions on purchasing 3 and quality control. 4 Finally, whilst Module 7 will look at the establishment and operation of NHS Test and Trace in its 5 6 entirety, this module will isolate and consider the 7 procurement of the necessary PCR and lateral flow 8 testing equipment itself. 9 I will address you, my Lady, in a moment, on what 10 this module has learned through its investigations so 11 far, and the evidence that you will hear over the next four weeks. 12 13 That account is structured in broadly chronological 14 order, which it is hoped will provide a useful backdrop 15 against which to consider and understand the procurement 16 decisions which were taken within the relevant period so 17 far as this Inquiry is concerned. 18 There are a number of key dates which we expect will 19 aid the Inquiry in framing the evidence in this module. 20 We will come on to how each of them fits within the 21 broader picture of decision making throughout the

procurement. But before addressing those matters, it is worth pausing to consider briefly what is meant by the exercise which lies at the heart of this module, namely

#### 14

1 between suppliers and is much faster than 2 business-as-usual procurement, albeit that transparency 3 obligations are retained by means of post-award 4 publication requirements. 5 Throughout the pandemic, this process was used 6 extensively, and in all categories of equipment procured 7 across all four nations of the UK. 8 Since the pandemic, there has been legislative 9 reform in this area. We have, of course, taken into 10 account the new Procurement Act of 2023, which came into 11 force just a few days ago, on 25 February last week. 12 The provisions of that Act may bear upon the 13 recommendations made by this Inquiry. 14 Turning now, my Lady, more specifically to PPE 15 procurement, the Pandemic Influenza Preparedness 16 Programme or PIPP stockpile was held, as its name 17 suggests, in readiness for an influenza pandemic. But 18 in truth, the stockpile contained the PPE it was 19 anticipated would be needed to protect patients and 20 staff from any airborne respiratory infection. The 21 types and volumes of PPE held in the PIPP stockpile were 22 based on the clinical recommendations from the New and 23 Emerging Respiratory Virus Threats Advisory Group, or 24 NERVTAG. 25 The stockpile was overseen by Public Health England 16

25

previously held.

1	and ultimately by the Department of Health and Social
2	Care. The regular supply of PPE to frontline staff was
3	itself the responsibility of individual employers.
4	For the NHS, this was either arranged directly with
5	private wholesalers or via SCCL. The devolved nature of
6	procurement and logistics meant that there was no
7	centralised or consolidated information on supply
8	resilience in the NHS for PPE at the point the pandemic
9	emerged, nor were there any joined-up arrangements
10	governing procurement and logistics in relation to adult
11	social care. In that sector, private wholesalers alone
12	were the main source of PPE, with responsibility falling
13	to individual care homes.
14	In early February 2020, Public Health England and
15	SCCL were initially confident that, together with the
16	PIPP stockpile, their procurement efforts placed the UK
17	in a strong position. To put it mildly, they proved to
18	be very wrong.
19	There were two essential problems: firstly, with the
20	stockpile itself; and, secondly, with the contracts SCCL
21	anticipated could be activated in the event of
22	an emergency to supplement the stockpile.
23	The stockpile. According to SCCL, data provided to
24	the Cabinet Office in January 2021, about
25	£112 million 112 million of the 439 million, ie more
	17
1	What accord this failure? As according to accord the
2	What caused this failure? As governments around the world woke up to the scale of the unfolding crisis,
3	export controls and the compulsory requisitioning of PPE
4	by exporting nations commenced. Countries around the
5	world sought to prioritise and protect their own
6	citizens and began to escalate their buying efforts on
7	an enormous scale.
, 8	But there was a particular problem: many of the
9	world's manufacturing supply chain led back to one
10	country, China, and this was no different in the UK. As
11	the pandemic swept the globe, there was a near-perfect
12	storm. The realisation that PPE would be a crucial
13	commodity in responding to the pandemic provoked
14	a scramble by nations to acquire it in enormous volumes,
15	which itself drove an exponential rise in demand for PPE
16	around the world.

17 At the same time, lockdowns in key supplying 18 countries caused disruption to manufacturing and export 19 controls and border closures caused a freeze in 20 distribution. Supply chains for healthcare equipment needed in the pandemic response, such as PPE, had almost 21 22 entirely broken down. As John Manners-Bell, the 23 Inquiry's expert in supply chain management, puts it in 24 his report: the UK was not alone in facing supply chain 25 dysfunction. At the root of the vulnerability was 19

1	than a quarter, items in the PIPP stockpile, as of
2	31 January, were out of date. Testing was carried out
3	to extend the shelf life of many of these items and many
4	were subsequent deployed with new expiry dates assigned.
5	The contracts. On 27 January 2020, SCCL began to
6	engage with suppliers on what were known as the PIPP
7	just-in-time frameworks, which I'll refer to as JITs.
8	These were pre-arranged contracts to augment the supply
9	of PPE and other clinical consumables to prepare for
10	what, by then, seemed the inevitable arrival of the
11	first cases of the virus in the UK.
12	The first case of Covid-19 in England was not
13	confirmed until 31 January 2020. The first JIT order
14	for 6.8 million FFP3 respiratory masks were placed the
15	very same day. Subsequent orders for products on JIT
16	frameworks followed throughout early February. However,
17	over the course of the same month, it became clear that
18	the JIT contracts would fail.
19	The first of these did indeed fail on 28 February.
20	Within the space of nine days, SCCL went, on the
21	19 February, from having confidence in its ability to
22	supply the necessary PPE to there being, in essence,
23	a collapse of the supply chain into the UK and, with it,
24	a commensurate collapse of the confidence it had

#### 18

1	a model which was dependent on offshore production and
2	sourcing from remote, low-cost markets dominated by
3	China. This level of dependence on a single
4	international market, with all the risks, was one of the
5	most important reasons for the market dysfunction which
6	resulted during the pandemic.
7	But this was only one part of the picture. Markets,
8	of course, are not only about supply but also about
9	demand. As global supply chains collapsed, the market
10	became mired in yet more chaos caused by failures on the
11	demand side. Erratic buying behaviour, caused by
12	an inability of procurement professionals in the UK and
13	globally to accurately forecast demand, meant that large
14	orders were placed by those desperate either to prevent
15	shortages or to replenish ever-diminishing stocks. They
16	did not, however, have access to the adequate
17	information, whether at the national or international
18	level.
19	This resulted in the so-called 'bull whip' effect,
20	which we will examine in this module, where even small
21	variances in order quantities by parties results in much
22	larger orders upstream and thus excessive levels of
23	inventory being held to meet demand.
24	The sum effect of all of this was nothing short of
25	a market which had become fundamentally dysfunctional. 20

(5) Pages 17 - 20

1	So it was that, within the first few months of 2020,	1	approximately £5 million.
2	PPE went from being a product that was in relatively low	2	Demand for PPE was projected to rise even higher as
3	demand, inexpensive, and bought and sold in an open	3	the number of patients with Covid-19 increased. SCCL
4	market, to one in which it had quite suddenly become	4	had in place arrangements for the distribution of the
5	very valuable, costly and sought-after but traded in	5	stockpile and for procurement of PPE but those
6	extreme market conditions.	6	arrangements all but collapsed under the strain. It was
7	In this turbulent market, the price of PPE rose	7	simply unable to cope. The Inquiry will examine the
8	rapidly. As compared with prices in the final quarter	8	underlying causes of this failure and ask whether
9	of 2019, in June 2020 the price of FFP2 respirators had	9	anything could have been done to anticipate this and
10	risen by 411%; the price of gowns by 295%; the price of	10	prevent it from occurring.
11	gloves by 288%; and the price of aprons by 172%.	11	It is clear that the Government was left in
12	Within this dysfunctional market, existing suppliers	12	a quandary as to how it was going to acquire the
13	to the UK and devolved administrations ran out of PPE	13	critical PPE to send health and social care staff
14	and existing manufacturers of PPE ran out of the raw	14	working on the front line of the pandemic. For
15	materials needed to make it. By 27 February 2020, the	15	countries such as the UK, which did not have a domestic
16	WHO acknowledged the acute global shortage of PPE. In	16	manufacturing base to produce such healthcare equipment
17	the first two months of 2020, international exports of	10	as PPE, it is also clear that there was no choice but to
18	PPE from China were down between 13% and 16%, compared	18	buy it, to buy it quickly and to import it from
19	with 2019, despite the increase in demand, due to	10	overseas.
20	pandemic preparations.	20	We now turn to the creation of the PPE Cell and
20	In March 2020, SCCL received orders from trusts for	20	Parallel Supply Chain.
21	over 400 million items of PPE at a cost of approximately	21	As, ultimately, the contracts which this country
22	£50 million.	22	sought to rely upon failed to deliver the required PPE
24	This compared to an average month in 2019 when	23	to the UK, new contracts were formed between SCCL and
24	comparable figures were 200 million-items at a cost of	24	private wholesalers, but these too were unable to
20	21	20	22
1	deliver the requiring level of PPE. In this chaotic	1	teams. First, SCCL or existing suppliers. These
2	market a new strategy was urgently required.	2	continued efforts to procure from suppliers on its
3	The Cabinet Office and DHSC stepped in. A radical	3	existing framework agreements. Jin Sahota was the chief
4	new approach was taken to procurement, not only to PPE,	4	operating officer of SCCL at the time.
5	but also to ventilators and testing equipment, but first	5	Second, the China Buy team. This was based in what
6	staying with PPE.	6	was then the Foreign and Commonwealth Office. It worked
7	A Parallel Supply Chain was established to procure	7	with the British Embassy in Beijing to procure PPE
8	transport to the UK and distribute PPE and supplement	8	directly from, globally the principal country of supply,
9	the existing infrastructure. A PPE Cell was established	9	China.
10	by the DHSC to manage the effort.	10	Third, the UK Make team. This was based in the
11	The structure and staffing of the PPE Cell evolved	11	Department for Business, Energy and Industrial Strategy.
12	over time. The initial leadership team was formed of	12	It sought to establish the domestic manufacture of PPE.
13	Emily Lawson, the Chief Commercial Officer for NHSE;	13	The UK Make team was initially let by contractors from
14	Major General Phillip Prosser, seconded from the army's	14	Deloitte Touche Tohmatsu Limited, and subsequently by
15	101 Logistic Brigade; and Andy Wood, seconded from the	15	Lord Deighton and then Gil Steyaert.
16	Cabinet Office Complex Transactions Team. You will hear	16	The New Opportunities team, fourth and finally, was
17	evidence from all three of these individuals during the	17	based in the Cabinet Office. It considered offers from
18	course of M5's hearings.	18	other sources, most notably suppliers which did not
19	The PPE Cell brought together staff from the DHSC,	19	necessarily have a history of supplying PPE and often
20	NHS England, commercial experts from across government,	20	acted as intermediaries between the UK Government and
21	and members of the armed forces.	21	manufacturers. This team was led by Darren Blackburn.
22	On 22 March 2020, some three weeks after the failure	22	You will hear, my Lady, from Darren Blackburn later
23	of the SCCL contracts, DHSC entered into its first	23	this week and from Lord Deighton in the week of
20			_
24	contract. On 10 April 2020, the PPE plan was published.	24	17 March.
	contract. On 10 April 2020, the PPE plan was published. The Parallel Supply Chain was organised into four	24 25	17 March. The Inquiry will examine the various differing

(6) Pages 21 - 24

1 approaches of these teams to procurement. We will 2 consider whether there was a coherent strategic approach 3 to the procurement effort, and in particular, whether these four streams could effectively coordinate with and 4 5 complement each other. What were the advantages and 6 disadvantages of each approach? Were there issues in 7 the Parallel Supply Chain identified and remedied in 8 good time? And more generally, whether there are 9 relevant lessons to be learned in the event of a future 10 pandemic. 11 It is no understatement to say that, in common with 12 many of those involved with the response to the 13 pandemic, the stress placed upon individuals involved in 14 the procurement effort was immense. They were the ones 15 working behind the scenes, often around the clock, to 16 buy and transport to the front line vital PPE, 17 ventilators and testing equipment. 18 The Inquiry is acutely conscious of the pressures 19 under which many individuals were placed, but it would 20 not be right or fair to those individuals simply and 21 blithely to accept that, because of those pressures, all 22 that could have been done was done, without scrutinising 23 and seeking to understand the key decisions that were 24 taken and what could be done better in the future in 25 similar circumstances, and that, amongst other matters, 25 1 You will hear evidence that those involved in

procurement were bombarded with information at every
stage of a potential contract's journey, relying on
cumbersome and disjointed information technology systems
and excessively bureaucratic processes, and under
extreme time pressure to make critical decisions about
contracts worth many millions of pounds.

8 What was the answer to this data overload? Should 9 there have been available to those in the PPE Cell 10 a more elegant solution than the use of emails and 11 telephone calls for communication, and the laborious 12 completion of individual forms and Excel spreadsheets? 13 Should there be available in the future a system which 14 is more focused on live or updatable data, and the use 15 of developments in technology than the one which DHSC 16 deployed?

The Inquiry will hear evidence that the market
required the DHSC to accept higher prices, greater risk
in contracts, and to accept that some assurance of the
product would need to occur after receipt of goods, in
order to secure sufficient PPE in time. In a global
scramble to procure it, the choice was to accept this or
simply not to buy at all.

The Inquiry will hear that, faced with this choice,it prioritised securing sufficient PPE to meet health

is what this module will seek to do. 1 2 A few words now about the PPE cell's eight-stage 3 end-to-end process. The PPE Cell that the DHSC 4 established was divided up into eight teams, each of which specialised in a particular aspect of the 5 6 procurement process. These are: initial data 7 collection; identifying viable opportunities and 8 triaging; validation of opportunities; commercial due 9 diligence; confirmation and technical review; closed 10 teams, conditions and pricing; complete approval and 11 documentation; and send to DHSC for approval. 12 The DHSC's Parallel Supply Chain streams, China Buy, 13 UK Make, New Opportunities, each fed into this 14 eight-stage process. The approach taken by the PPE Cell 15 is described by Jonathan Marron, the Director General of 16 Primary Care and Prevention at the DHSC and PPE Cell 17 lead, from whom the Inquiry will hear as "stepwise". 18 You will hear from Mr Marron later this week. 19 What this meant in practice is that offers were 20 progressed through series of checks, including technical 21 assurance of the product being offered and due diligence 22 of the PPE supplier and/or manufacturer, where an offer 23 was considered suitable to be progressed, the final 24 decision was taken by the Department's accounting 25 officer or an official with delegated authority. 26

1 and social care needs. As the Inquiry has heard in 2 Module 3, from Sir Christopher Wormald, then the DHSC 3 Permanent Secretary, bluntly, "I would much rather be 4 answering questions about why we ended up with too much 5 PPE than other questions", but the instruction to buy at 6 all costs must have limits. What are they? 7 In all the circumstances, where vast sums of public 8 money were at risk, then, what were the safeguards on 9 ensuring that the system was governed by fairness, 10 transparency and value for money, to name but a few 11 important guiding principles? 12 The PPE call to arms. On 10 April 2020, the 13 Secretary of State for Health and Social Care, Matt 14 Hancock, issued, by way of public announcement, a call 15 to arms. Businesses which could supply PPE to the UK 16 Government were invited to come forward. Following the 17 call to arms, approximately 24,000 offers across 50,000 18 categories of PPE were made from over 15,000 suppliers. 19 The Inquiry will hear evidence as to the effect of 20 this call to arms on the whole procurement system. It 21 will consider the advice and strategy which underpinned 22 the policy and whether the system was prepared for the 23 avalanche of offers which followed that call. It will 24 also explore how it adapted and responded, and what 25 kinds of suppliers came forward, more particularly 28

1	whether they were intermediaries or manufacturers, what	1	presumed efforts adequately to ensure that controls on
2	benefits, if any, there were to the involvement of	2	spending and quality were applied; and whether it
3	intermediaries in supply chains, and whether they	3	adapted rapidly enough to take into account changes in
4	complemented or competed with other lanes of	4	policy guidance, regulation, and the building up of
5	procurement, in particular China Buy.	5	inventory within the system struck an appropriate
6	The evidence of Sir Gareth Rhys Williams until	6	balance between speed of procurement and the risk of
7	very recently, and during the pandemic, the Government's	7	acquiring substandard kit, and benefited from
8	Chief Commercial Officer is that by 7 April 2020,	8	an efficient and robust system of regulation and
9	notably three days before the Secretary of State's call	9	inspection.
10	to arms, there had been over 3,000 offers of support:	10	My Lady, I now turn to the controversial subject of
11	2,946 from suppliers and 82 from manufacturers.	11	the so-called VIP Lane.
12	A backlog of offers for initial review and then	12	There are few subjects which the Inquiry will be
13	technical assurance review grew because, at peak, 400 to	13	examining which have received the attention of the VIP
14	500 new offers were being received on the Government	14	or High Priority Lane. It is here that very public
15	portal every day.	15	allegations have been made of contracts being awarded t
16	The vast majority of suppliers offering PPE were	16	friends of those in high places, of outright corruption,
17	assessed as unsuitable and yet triaging these offers	17	of fraud, and of other forms of criminal conduct.
18	took considerable resources from an already stretched	18	The evidence received by the Inquiry is that the VIP
19	team.	19	Lane was established as a result of a purportedly
20	Were these resources better deployed elsewhere?	20	innocent need to assure ministers and others that offers
21	Related issues which fall to be considered include:	21	they had passed on to the PPE Cell were being followed
22	whether the UK's international procurement response was	22	up. It has, of course, already been ruled to be
23	effective; how this response complemented other aspects	23	unlawful by the High Court, as it breached principles of
24	of the UK's procurement drives, such as the domestic	24	equal treatment, albeit that the contract awards under
25	manufacturing effort; whether the UK organised its 29	25	scrutiny in that case were found still likely to have 30
1	been made on merit, even if they had not been processed	1	those making such offers, when compared to those
2	through the VIP Lane, and, in another case, to have	2	received from outside the HPL, and whether disclosure of
3	breached its obligation to publish contract award	3	VIP identities seeped into the decision-making process
4	notices within 30 days of signing the subject contract.	4	itself.
5	The Inquiry's analysis will, however, be wider and	5	Certainly, there were complaints from those who did
6	deeper than the Limited VIP Lane cases which have so far	6	not receive responses as quickly as hoped for, threats
7	found their way to the courts.	7	to go to the press or to Select Committees were made in
8	The Inquiry sought evidence from those noted on the	8	order to embarrass the Government into giving special
9	gov.uk website as having been involved in the High	9	treatment. Some complaints were public, some were
10	Priority Lane. In this part of the investigation alone,	10	reported in the media, and some complaints were
11	the Inquiry has received 36 witness statements from	11	amplified on social media by opposition politicians. It
12	referrers into the VIP Lane, and thousands of pages of	12	is currently maintained by both DHSC and the Cabinet
13	evidence have been considered by the Inquiry and, where	13	Office in their evidence to the Inquiry that the VIP
14	relevant, disclosed to Core Participants.	14	Lane was nothing more than a triage team. There was no
15	It is clear from evidence obtained by the Inquiry	15	separate VIP stream for offers, that due diligence and
16	that potential contractors escalated matters to their	16	technical compliance checks were carried out in the same
17	MPs or to other high-profile contacts whom they	17	way, regardless of the provenance of the offer, and that
18	considered had influence. These, in turn, sought to	18	there was no favouritism as a result of entry into the
19	raise these matters and get government attention for the	19	VIP Lane.
20	suppliers who had contacted them.	20	This is not reflected in some of the contemporaneous
21 22	We will explore whether the management of	21 22	evidence and will be examined in the coming weeks. It is clear that the likelihood of a contract award
22	expectations of such VIP referrers was a necessary and		
	reasonable use of Limited resources, whether the	23 24	was significantly higher if an offer had come through
24 25	shepherding and acceleration of offers received via the	24 25	the VIP Lane. The Government Internal Audit Agency, or GIAA, fou
20	HPL, the High Priority Lane, conferred an advantage on 31	20	32

nining which have received the attention of the VIP igh Priority Lane. It is here that very public ations have been made of contracts being awarded to ds of those in high places, of outright corruption, aud, and of other forms of criminal conduct. The evidence received by the Inquiry is that the VIP e was established as a result of a purportedly cent need to assure ministers and others that offers had passed on to the PPE Cell were being followed It has, of course, already been ruled to be wful by the High Court, as it breached principles of al treatment, albeit that the contract awards under tiny in that case were found still likely to have 30 e making such offers, when compared to those ived from outside the HPL, and whether disclosure of identities seeped into the decision-making process

1	that approximately 10% of the companies who went through
2	the High Priority Lane were awarded contracts, compared
3	to approximately 1% of non-High Priority Lane companies.
4	The evidence of Sir Gareth Rhys Williams confirms
5	the disparity in success rates within and outside the
6	HPL, but even this figure failed to tell the full story,
7	since a number of suppliers secured numerous procurement
8	contracts. The Inquiry's own investigation, based on
9	the data provided to it by DHSC, has revealed that,
10	although HPL offers made up only 1.8% of those received,
11	they constituted 30.7% of all contracts awarded to
12	suppliers, and that, by marked contrast, only 1.1% of
13	offers received outside the HPL managed to do so.
14	In other words, the advantage to being in the HPL
15	was 17-fold, rather than the tenfold cited a moment ago.
16	This disparity is illustrated and summarised by two
17	graphics, which I'd ask to be put up on screen now, the
18	first is Inquiry document INQ000474992, and the second
19	is Inquiry document INQ000474993. What these
20	side-by-side graphics show is the significant advantage
21	in terms of success rate of being within the High
22	Priority Lane, with an absolute number of offers at 430,
23	115 of those offers being successful, so a 30.7% strike
24	rate on high priority offers made.
25	By contrast, if we look at the non-High Priority
	33
1	operation of the PPE Cell and VIP Lane is represented in
2	a particular chart in the form of a funnelled diagram
	a particular chart in the form of a funnelled diagram it's INQ000497031 which summarises the if one
2	a particular chart in the form of a funnelled diagram
2 3	a particular chart in the form of a funnelled diagram it's INQ000497031 which summarises the if one looks at the top half in blue, non-HPL offers funnel down quicker, essentially, than High Priority Lane
2 3 4	a particular chart in the form of a funnelled diagram it's INQ000497031 which summarises the if one looks at the top half in blue, non-HPL offers funnel
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	a particular chart in the form of a funnelled diagram it's INQ000497031 which summarises the if one looks at the top half in blue, non-HPL offers funnel down quicker, essentially, than High Priority Lane offers. And one can see from the list at the side, the reasons for dismissal of offers. But there's a much quicker narrowing down of offers outside of the HPL than inside it. This chart serves to illustrate at a high level the scale of the efforts to triage and then refine the very many offers which were received, and also, as I say, the relative prospects at each stage of that sifting process. Thank you very much. I turn now to thematic reviews of contracts and also the closed hearing date to which, my Lady, you have referred in your introductory remarks. The Inquiry sought detailed evidence from DHSC in relation to each contract awarded for PPE, including for such critical items as masks, gowns, and eye protection. The DHSC contracts schedule sets out in relation to each contract the route of each one, UK Make, China Buy or

quiry	y 3 March 202
1	Lane offers, 23,570 were made, and that figure
2	constitutes 98.2% of the total made, with the success
3	rate, if we move over to the other graphic, being
4	a figure of 259 in absolute terms
5	Thank you.
6	The Inquiry's analysis of the VIP Lane, as with the
7	whole PPE Cell, will be driven by the evidence. We will
8	explore the pros and cons of the VIP Lane, the reasons
9	for the preponderance of those with connections to the
10	then-governing Conservative Party featuring in the VIP
11	Lane, and whether higher prices were paid for VIP
12	contracts.
13	My Lady, I don't know if that's a convenient moment
14	to pause?
15	LADY HALLETT: Certainly it is. I shall return at midday.
16	(11.45 am)
17	(A short break)
18	(12.00 pm)
19	LADY HALLETT: Mr Wald.
20	<b>MR WALD:</b> Thank you, my Lady. Before the short pause we
21	were looking at the Inquiry's analysis of the relative
22	prospects of success in securing a contract inside and
23	outside of the High Priority Lane.
24	I now turn to an aspect of the Cabinet Office's
25	analysis. The Cabinet Office's analysis of the 34
1	The schedule essentially provides a detailed
2	analysis of the areas of scope of Module 5. It is
3	a significant piece of evidence and has assisted the
4	Inquiry in obtaining a detailed impression of PPE
5	procurement during the pandemic.
6	We have selected a number of examples of procuren
7	offers, including from the High Priority Lane, designed
8	to examine how the system stood up to the experience of
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nent particular referrals and to illustrate how certain themes played out within the procurement process. Because those examples include referrals into the HPL of a company, PPE Medpro, which is currently the subject of criminal investigation, evidence relating to that case will be heard in a closed hearing. This follows a decision you made, my Lady, to grant a restriction order on 25 January this year, having balanced the competing public interests in that evidence being heard publicly, and those in avoiding prejudice to any future criminal proceedings. And my Lady, as you made very clear in this morning's remarks, but is worth perhaps re-emphasising, according to the terms of that order, both Core Participants and a number of accredited journalists will have access to the single day of closed hearings, and once any criminal process has run its course, no matter 

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1 its ultimate outcome, the recording, transcripts and 1 2 2 evidence adduced in the closed hearings, together with 3 3 aspects of your reports which may touch on sensitive 4 issues within the meaning of the restriction order, will 4 5 be made public. 5 6 Now, my Lady, data, a topic which has featured in 6 7 previous modules and will no doubt continue to feature 7 8 8 in future ones, is that of data management and how it 9 might have been handled to better effect during the 9 10 10 pandemic In some respects, within the PPE Cell there may have 11 11 12 been too much information for individual officials to 12 13 properly absorb, consider and analyse. This information 13 14 and documentation overload will be one of the subjects 14 15 the Inquiry considers with respect of the efficiency of 15 16 the PPE Cell. 16 17 In others, however, there was a dearth of data from 17 18 18 which those involved in procurement could make informed 19 decisions. PPE procurement was based on modelled demand 19 20 for PPE but there was no experience of pandemic demand 20 21 to draw upon. DHSC had no access to data on the actual 21 use or so-called "burn rate" of PPE. Nor did it have 22 22 23 information on the inventories of PPE held in frontline 23 24 24 organisations. The Department only began to access DHSC 25 hospital inventory information from mid-May of 2020. 25 37 1 place significant numbers of patients at risk. The NHS 1 2 counted up to 8,000 ventilators in operation across 2 3 the UK, but there were fears that hospitals would run 3 4 out of sufficient ventilator capacity within a matter of 4 5 weeks. 5 6 In February and March, estimates of need varied 6 7 7 between 59,000, 90,000, and 138,000 ventilator beds. 8 But the NHS supply chain lacked the resources to respond 8 9 adequately to this increased demand in the context of 9 10 a globally disrupted market, and so the government 10 11 strategy was to rapidly increase UK ventilation capacity 11 12 12 by buying as many ventilators as possible from both UK 13 and global suppliers. 13 14 In the early stages of the pandemic there was huge 14 15 international demand for ventilators and the parts used 15 16 to build them, greatly outstripping supply. 16 17 According to the Department for International Trade: 17 18 "Speculators, opportunistic intermediaries and 18 19 individuals had piled in, trading up prices 19 20 exponentially. Some of the units we looked at changed 20 21 ownership over five times in the past two weeks. The 21 22 prices quoted were on average triple the usual retail 22 23 price and at the peak of the market, many times over. 23 24 We had entered a ventilator procurement 'Wild West'." 24 25 At the end of March 2020, even credible offers of 25 39

The situation in the care sector, according to the then care minister, Helen Whately, was even worse. She says in her evidence that there was a stark lack of data to inform the pandemic response in care homes. This module will explore, in relation to the PPE Cell, whether there was in practice a database system which enabled objective criteria and objective criteria alone to be the driver of decisions to progress and award contracts. Moving on to ventilators. Ventilators are very specialised items of medical equipment. Their design is highly regulated for good reason. Their purpose is to help patients to breathe and receive oxygen when they are too unwell to do so themselves. Safety issues in the context of ventilators can have catastrophic consequences, and they are often part of a wider set of breathing apparatus, connections to oxygen supplies and beds in hospitals which require specialist staff trained in operating particular models. Immediately before the pandemic, the UK had limited understanding about the number of ventilators that were available. In the early pandemic of March 2020, as the UK witnessed distressing scenes in Italy, it appeared we were facing an imminent and dire shortage of ventilators, which, if not quickly addressed, would 38 ventilators from overseas were being made at very high prices, with unit price sometimes doubling within the space of a single day. By 30 March 2020, DHSC anticipated a shortfall of 8,000 ventilators for April of that year, leading the Department to conclude that the procurement of these ventilators was necessary, despite the price being two to three times above the average price range typical outside of the pandemic. On 3 March 2020 the Covid-19 Oxygen, Ventilation, Medical Devices and Clinical Consumables Programme was jointly established and funded by DHSC and NHSI to enable NHS organisations to meet demand for oxygen ventilators and consumables during surges of Covid-19. On 13 March a ventilator target of 30,000 was set for delivery by the end of June 2020. As it was clear that it would not be possible to procure enough ventilators for 30,000 beds, however, on 16 March 2020 the Prime Minister announced a call to arms to British industry and organisations to help the UK step up production of vital medical equipment, asking manufacturers to offer their skills and expertise as well as manufacturing the components for ventilators and related equipment themselves. This manufacturing drive came to be known as the 40

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government.

pandemic.

by the Ventilator Challenge.

rather than in a planned manner.

between 12 and 18 April 2020.

Changing understanding of Covid-19 led to evolving

specifications for the numbers and type of ventilators

13,000 and the original target was reduced in April to

18,000, leaving a surfeit of parts which had already

4,000 ventilators, for Covid and non-Covid patients,

manufacture. The Cabinet Office also supported the

scaling up of production of the two already approved

cases there were quality control issues leading to the

rejection of ventilators which were considered unsafe.

ventilators than were needed during the peak of the

By 30 May 2022, the UK had stockpiled

42

Secretary of State for Health and Social Care. By the

end of October 2020, PCR testing capacity exceeded

500,000 tests a day, and by the end of 2020, capacity

available, the PCR testing effort was supplemented by

To put NHS Test and Trace in perspective, the

required to respond to the Covid pandemic, NHS Test and

capacity from 921,958 PCR tests in the month of May 2020

With this rapid expansion in testing capacity came

Trace needed to establish a distribution network akin to

this alternative testing technology. By May 2021,

655 million lateral flow tests had been distributed.

evidence received by the Inquiry suggests that to

deliver the testing and contact tracing services

the scale of a major commercial enterprise. In

five months, NHS Test and Trace expanded testing

to 7,415,253 processed in the month December 2020.

a concurrent increase in expenditure and apparently

a relaxation of spending controls at the centre of

When, in summer 2020, lateral flow testing became

existed to undertake 750,000 tests a day.

Ultimately, however, the UK ended up with more

30,000 ventilators, over half of which had been produced

So far as ventilators are concerned, this model will

devices. Many of the other additional ventilators which

were sourced came from China and, as with PPE, in some

twelve candidates' designs were approved by the MHRA for

been procured. In fact, demand in England for

At the time of the process, three of the

mechanical ventilators peaked at just under

required. The peak requirement for ventilators was only

1 Ventilator Challenge and had two strands: one focusing 2 on offers from established suppliers, and the other 3 focusing on new suppliers of ventilators for England, Scotland, Wales and Northern Ireland, and for overseas 4 5 territories. DHSC was responsible for managing the 6 offers from established ventilator suppliers whilst the 7 Cabinet Office took responsibility for managing new 8 suppliers, with the aim of making 30,000 ventilators in 9 just eight weeks. 10 The Department for Business, Energy and Industrial 11 Strategy managed a triage process to narrow down offers 12 received to those that were most credible and to 13 ascertain which offers of equipment made were credible. 14 Potential suppliers through the Ventilator Challenge 15 presented their ventilators to a group of clinicians and 16 staff from MHRA, the Cabinet Office and PA Consulting, 17 which in turn made recommendations about whether to 18 select certain ventilators for use in the NHS. 19 The ventilator parts market faced the same type of 20 global competition and disruption as PPE products, 21 complicated by the fact that the UK designs shortlisted 22 in the Ventilator Challenge were often competing for the 23 same components. 24 Transport management and provision was sometimes 25 undertaken on an ad hoc basis in response to events 41 1 probe whether the government achieved the most robust 2 procurement possible under the timescales required, 3 whether its decision to directly award contracts in the 4 Ventilator Challenge exceeded the limits for extremely 5 urgent procurement, and whether some alternative course 6 might have been preferable. 7 I move now to NHS Test and Trace. 8 NHS Test and Trace began as a taskforce reporting to 9 the Prime Minister. It was formally established as an 10 entity in its own right on 28 May 2020 under the 11 leadership of Baroness Dido Harding, with responsibility 12 for leading a mass scale national testing and tracing 13 service for Covid-19. NHS Test and Trace would 14 subsequently, in 2021, be absorbed into what would 15 become the UK Health Security Agency. 16 In March 2020, only NHS pathology laboratories, 17 a few research sites and public health laboratories in 18 the UK had the ability to test for Covid-19. Total 19 testing capacity, using what was then considered to be 20 the gold standard for testing, PCR, was estimated in 21 practice to be just 3,000 a day. It was deemed this 22 needed to increase at scale and speed to 100,000 per day 23 by the end of April 2020, and 200,000 a day by the end 24 of May 2020 and beyond. 25 A call to industry was made on 2 April 2020 by the

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The amount spent on testing by 28 June 2022 eventually reached approximately £26 billion. This was made up of just over £12 billion on PCR tests and just short of 14 billion on lateral flow tests.

1	It is not the place of this module to examine the	1	specifications with which items must comply in order to
2	overall approach to testing, which is of course a matter	2	be properly marketed as PPE for use in the medical
3	for Module 7, yet to come. Instead, the issues to be	3	sector.
4	examined in this module will include the challenges in	4	There are a number of ways suppliers can evidence
5	procuring complex specialist medical equipment such as	5	their compliance with these effectively for testing
6	lateral flow tests and PCRs, the role of domestic	6	samples of their product in laboratories and gaining
7	industry, the reliance placed on external expertise to	7	a certificate of compliance. Only specific
8	advise on procurement, and the effect of ambitious	8	organisations are able to grant such certificates or to
9	public policy announcements such as Operation Moonshot	9	endorse compliance with essential technical standards.
10	on procurement decisions and expenditure.	10	Different countries have different regulatory
11	But what of the logistical challenge and the	11	regimes. This posed an additional challenge for those
12	regulation inspections and distribution that went into	12	procuring PPE during the pandemic, as much of our PPE
13	the procurement exercise? The surge of medical	13	was imported from other countries.
14	equipment and supplies entering the United Kingdom being	14	Furthermore, aspects of the UK's withdrawal from the
15	produced there and being sold for use in our health and	15	European Union were formalised during the pandemic,
16	care sectors also increased the burden on our regulatory	16	including in relation to regulation of medical devices
17	bodies. The regulators responsible for items that we	17	and PPE.
18	referred to as PPE are the MHRA and the Health and	18	The Office for Product Safety and Standards (OPSS),
19	Safety Executive. Depending on the purpose of the item,	19	Trading Standards and Border Force, carried out a great
20	it is either classified as a medical device or as	20	deal of work to ensure that non-compliant PPE was not
21	personal protective equipment. This means that it falls	21	circulating within the UK. The MHRA and Health and
22	within the remit of a different regulator, subject to	22	Safety Executive worked together and were part of
23	different legislation, and regulations, and must comply	23	a group set up by the DHSC called the Regulatory
24	with different specifications.	24	Co-ordination Cell.
25	On top of this, there are numerous technical 45	25	The regulators worked with DHSC and suppliers and 46
1	manufacturers of PPE in an attempt to simplify	1	The logistical challenge was immense and should not be
2	regulatory process, speed it up, and still guarantee the	2	underestimated. As the Chief of the Defence Staff,
3	safety of end users. It granted easements for certain	3	Sir Nicholas Carter stated on 22 April 2020:
4	items, changing the requirements that suppliers had to	4	War all more and the an 40 constant of a similar she's is
		4	"In all my more than 40 years of service, this is
5	comply with. The regulators also assisted DHSC in	4 5	the single greatest logistic challenge that I have come
5 6	comply with. The regulators also assisted DHSC in assessing the compliance of PPE procured by the Parallel		the single greatest logistic challenge that I have come
		5	
6	assessing the compliance of PPE procured by the Parallel	5 6	the single greatest logistic challenge that I have come across."
6 7	assessing the compliance of PPE procured by the Parallel Supply Chain.	5 6 7	the single greatest logistic challenge that I have come across." The DHSC contracted out distribution to companies
6 7 8	assessing the compliance of PPE procured by the Parallel Supply Chain. The British Safety Industry Federation, which	5 6 7 8	the single greatest logistic challenge that I have come across." The DHSC contracted out distribution to companies like Clipper Logistics. Initially, the DHSC pursued
6 7 8 9	assessing the compliance of PPE procured by the Parallel Supply Chain. The British Safety Industry Federation, which represents British manufacturers of protective	5 6 7 8 9	the single greatest logistic challenge that I have come across." The DHSC contracted out distribution to companies like Clipper Logistics. Initially, the DHSC pursued a push model, a policy of sending shipments of PPE to
6 7 8 9 10	assessing the compliance of PPE procured by the Parallel Supply Chain. The British Safety Industry Federation, which represents British manufacturers of protective equipment, has expressed the view that, despite all this	5 6 7 8 9 10	the single greatest logistic challenge that I have come across." The DHSC contracted out distribution to companies like Clipper Logistics. Initially, the DHSC pursued a push model, a policy of sending shipments of PPE to hospitals based on what was available and what they
6 7 8 9 10 11	assessing the compliance of PPE procured by the Parallel Supply Chain. The British Safety Industry Federation, which represents British manufacturers of protective equipment, has expressed the view that, despite all this work, the market was still awash with non-compliant	5 6 7 8 9 10 11	the single greatest logistic challenge that I have come across." The DHSC contracted out distribution to companies like Clipper Logistics. Initially, the DHSC pursued a push model, a policy of sending shipments of PPE to hospitals based on what was available and what they estimated was needed.
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6 7 8 9 10 11 12 13	assessing the compliance of PPE procured by the Parallel Supply Chain. The British Safety Industry Federation, which represents British manufacturers of protective equipment, has expressed the view that, despite all this work, the market was still awash with non-compliant respiratory protective equipment and that this country was similarly unprepared for the value of non-compliant,	5 6 7 8 9 10 11 12 13	the single greatest logistic challenge that I have come across." The DHSC contracted out distribution to companies like Clipper Logistics. Initially, the DHSC pursued a push model, a policy of sending shipments of PPE to hospitals based on what was available and what they estimated was needed. As work to understand demand and stabilise supply chains progressed, trusts were able to feed into what
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1 PPE for distribution to social care and other services 2 that could not access PPE supplies in other ways. But 3 most small social care providers and GPs, totally 20,000 4 individual providers, had signed up only until June 2020 5 to a new e-portal that allowed them to order free PPE 6 directly from the Parallel Supply Chain for delivery 7 through the mail service. 8 By the 28 July 2020, DHSC had plugged the gap and 9 was directly supplying PPE to over 58,000 locations, 10 drawing on the help and expertise of the Ministry of 11 Defence. 12 By 27 September 2020, approximately 4.5 billion 13 items of PPE had been distributed to around 58,000 14 locations. This compares with an estimated 2.04 billion 15 items distributed and used in the NHS over the course of 16 the whole of 2019. 17 The NHS supply chain was complex pre-pandemic, with 18 trusts using a number of suppliers to provide PPE. SCCL 19 was designed to serve only 240 NHS trusts and boards 20 and, as at 2018, had an approximate market share of 38% 21 of the market for medical consumables. It is also 22 important to note that SCCL was not, prior to the 23 pandemic, serving as the sole source of supply of goods 24 24 or PPE to the NHS; it's role therefore changed 25 substantially and dramatically during the pandemic. 25 49 1 army. Wales received PPE from the UK central 2 Government, but also carried out its own procurement of 3 PPE. As at April 2021, Wales had received £880 million 4 through the Barnett formula, as a result of spending on 5 PPE in England. Mark Drakeford has described this as 6 a twin-track approach. 7 On 19 March 2020, Vaughan Gething, Minister for 8 Health and Social Services Group at the time, announced 9 that NHS Wales' services partnership remit would be 10 expanded to include the Social Care Sector. 11 Responsibility for the procurement of PPE in Wales 12 largely stayed in the hands of the NHS Shared Services 13 Partnership, an organisation wholly owned and funded by 14 the Welsh Government but independent of it. This is in 15 sharp contrast to the decision made in England, namely 16 that PPE would be procured by DHSC, essentially in-house 17 by the Government 18 Procurement decisions for PPE in Wales were thus 19 made by staff at NHS Shared Services Partnership, rather 20 than by civil servants or ministers. NHS Shared 21 Services Partnership is not part of the Welsh Government 22 but carries out procurement for items needed across the 23 NHS in Wales. Staff from NHS Shared Services

- 24 Partnership also worked, from different health boards
- 25 across Wales, placing orders for PPE.

I move on now to the devolved administrations. In 1 2 Wales, Scotland and Northern Ireland, the existing 3 procurement bodies, Scotland NSS, NWSSP, and BSO PaLS, 4 retained their procurement responsibilities for PPE. 5 The result was that arm's-length bodies, separate from 6 central governmental authorities, carried out the 7 majority of the purchasing and distribution of PPE. 8 It is worth noting at the outset that none of the 9 devolved administrations set up an equivalent of the VIP 10 Lane for high-profile referrers or for politicians, 11 elected representatives or industry leaders, nor, for 12 that matter, as far as the Inquiry is aware, did other 13 countries overseas. 14 Turning now more specifically to Wales. In the 15 early stages of the pandemic there were concerns about 16 distribution of PPE and about stock levels of PPE 17 generally in Wales. At points in April 2020, there were 18 less than two days' supply of Type IIR masks and 19 surgical gowns. As the pandemic wore on, Welsh 20 Government, local authorities, the care sector and 21 health boards improved their communication and 22 co-ordination and established ways of working that meant 23 PPE and key medical equipment and supplies were

distributed across Wales in an effective way.

Wales also received logistics assistance from the 50

1 The fluctuations in global prices for PPE were of 2 course also experienced in Wales. NHS Wales' Shared 3 Services Partnership reported that, in terms of price 4 increases, the largest increase was for gloves, which 5 cost 800% of the average pre-pandemic price at the peak. 6 At a local level, local authorities used the National 7 Procurement Network to share information about PPE 8 prices and orders but local authorities were operating independently to place orders and secure their own 9 10 supplies of PPE. This brought together the heads of 11 procurement from each of the 22 Welsh local authorities. 12 Individual local authorities did not have the same bulk purchasing power as NWSSP and sometimes found themselves 13 14 paying significantly higher prices than NWSSP. 15 The Welsh National Procurement Service assisted in 16 combatting issues, such as erroneous or fraudulent 17 compliance markings and certificates, and exploitative 18 pricing. While there was some support from NHS Shared 19 Services to local authorities in the early months of the 20 pandemic, arrangements between the NHS Shared Services 21 Partnership and the Welsh Local Government Association 22 were not formalised until 12 October 2020 when NHS 23 Shared Services Partnership formally undertook to 24 provide social care settings with appropriate PPE for 25 the duration of the pandemic. 52

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1	The Welsh Local Government Association has told the	1	d
2	Inquiry that, after the early stages of the pandemic,	2	d
3	supplies were distributed equitably across Wales and	3	le
4	that there were close collaborative relationships across	4	
5	public sector services in Wales and Welsh Government.	5	n
6	A collaborative approach was also taken by Welsh	6	F
7	Government at central level. For example, Mark	7	V
8	Drakeford established a Covid core group and two leaders	8	р
9	of the opposition were invited to attend.	9	а
10	Surveys conducted by the Royal College of Nursing	10	n
11	suggests that confidence in PPE supply increased over	11	0
12	time, including amongst frontline workers. However,	12	V
13	Audit Wales identified the need for improvement in due	13	a
14	diligence processes and noticed increased risk taking by	14	to
15	NHS Shared Services Partnership, including in making	15	S
16	large advance payments. NHS Shared Services Partnership	16	V
17	did not meet its obligations under the procurement	17	
18	regulations to publish contract award notices within the	18	С
19	deadlines.	19	а
20	The health and social care system in Wales also	20	g
21	struggled initially to gather reliable data on stock	21	-
22	levels and usage rates of PPE. NHS Shared Services	22	S
23	Partnership asked Deloitte to carry out modelling work.	23	tł
24	There were challenges in developing reliable models due	24	0
25	to discrepancies in adherence to guidance, across 53	25	С
1	medical supplies and equipment.	1	te
2	During the pandemic, NSS was responsible for the	2	to
3	procurement of PPE, ventilators, and LFT and PCR tests.	3	g
4	Scotland had three main sources of PPE: UK-wide	4	Ģ
5	procurement; its own orders from international	5	h
6	suppliers; and Scottish-based manufacturers. Lack of	6	р
7	PPE and healthcare equipment inventory visibility during	7	
8	the pandemic was identified by the Scottish Government	8	W
9	as a clear vulnerability, whilst NSS had knowledge of	9	d
10	national stock levels. It did not have access to data	10	а
11	for health board inventory held at local department	11	
12	board levels. The Scottish Government had relied on its	12	р
13	agreement with the UK Government to replenish stocks of	13	р
14	PPE using JIT arrangements with manufacturers. These	14	Ģ
15	contracts, however, were ineffective in the face of	15	р
16	global market pressures during the pandemic.	16	n
17	Centrally held PPE stocks in Scotland were very low	17	e
18	at points during April 2020 as PPE was rapidly	18	it
19	distributed to Scottish NHS health boards including only	19	С
20	0.3 days' worth of stock of long-sleeve gowns, one day	20	
21 22	of FFP3 masks, and two days' of visors being available.	21	N d
22	The Scottish Government considered that levels of	22	d
23 24	PPE being delivered to the devolved administrations	23	a
24 25	through UK-wide procurement channels in the early days	24 25	C
20	of the pandemic were limited, which resulted in what it 55	20	Ν

1411 9	
1	different health and care settings and unilateral
2	decisions taken in some health boards to provide higher
3	levels of protection to staff than required by guidance.
4	Wales also invested significantly in its domestic
5	manufacturing industries, the Critical Equipment
6	Requirement Engineering Team (CERET), was set up to help
7	Welsh businesses switch their capacity to PPE
8	production. Life Sciences Hub Wales assisted CERET and
9	also sought to stimulate the creation of innovation,
10	medical suppliers and supplies. Wales provided PPE to
11	other nations of the UK through mutual aid arrangements.
12	Wales accepted ventilators on loan provided from England
13	and sourced through the Ventilator Challenge UK. Prior
14	to these ventilators being sourced, there was
15	significant outlay on ventilators or ventilator parts in
16	Wales.
17	Wales also invested in its own Covid test processing
18	capabilities but procurement of LFT, lateral flow test,
19	and PCR test kits was carried out by the UK central
20	government.
21	Moving on to Scotland. In Scotland, National
22	Services Scotland, NSS, acts as a procurement arm for
23	the whole of the NHS in Scotland, with procedures to
24	oversee the due diligence of suppliers, pricing, quality
25	control, distribution and supply of a wide range of 54
1	termed significant costs being incurred. There appeared
2	to have been tensions between the Scottish and UK
3	governments over supply chain policy. The Scottish
4	Government wished to continue to procure its own PPE and
5	healthcare equipment in opposition to a UK-wide approach
6	proposed in April 2020.
7	It was agreed on 9 April 2020 that the UK Government
8	would continue to buy at best efforts for the UK, but
9	devolved governments were continuing direct procurement
10	also.
11	As the level of global demand and increased pricing
12	posed severe challenges to health and social care
13	provision outwith the hospital settings, the Scottish
14 15	Government took the decision to supply these settings of
15	primary community and social care directly, setting up
16 17	new order and distribution routes and securing
17 18	equipment, to allow two companies in Scotland to produce items of PPE through the creation of domestic supply
19	chain.
	NHS NSS distributed 1.1 billion-items of PPE between
20 21	March 2020 and April 2021. NSS set up regional hubs to
21 22	distribute PPE to social care providers, unpaid carers
22 23	and personal assistants, and provided PPE to primary
23 24	care providers directly, or through arrangements with
24 25	NHS boards. NSS awarded new PPE contracts using
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1 workforce was already under such pressure. emergency procurement procedures, but has been 1 2 2 criticised for the fact that contract award notices were NHS Scotland also secured equipment on loan from the 3 3 not published within the required timescales for most of UK DHSC, with Scotland allocated up to an 8.2% share of 4 the PPE contracts which reduced the transparency of 4 all the equipment procured or stockpiled and a small 5 number of ventilators were accepted of brands familiar decision making. 5 6 On testing, the Scottish Government did not procure 6 to NHS Scotland. 7 PCR tests or lateral flow devices directly, as this was 7 Following the pandemic, the Scottish Government 8 8 done on a four nations basis. consulted on increasing levels of centralisation of 9 9 purchasing and supply of PPE and other healthcare Testing capacity through the purchase of equipment 10 and testing consumables. 10 equipment on behalf of all public sector organisations 11 In 2021, Scottish ministers agreed to loan the UK 11 and social care providers, and is looking at extending 12 Government millions of lateral flow tests. The UK DHSC 12 the remit of the NSS to become responsible for all 13 did offer to supply ventilators to NHS Scotland. Two 13 public sector buying of PPE and healthcare equipment in 14 NHS health boards trailed a ventilator model from the 14 Scotland, including for health boards and local 15 Ventilator Challenge in May 2020 but Scotland's ICU 15 authorities, as well as managing the pandemic stockpile. 16 Resilience and Support Group decided that these did not 16 The Scottish Government believes greater levels of 17 meet NHS Scotland requirements and requested that 17 centralised procurement for all related public 18 18 Scotland's allocation should be held by the DHSC in organisations on a national basis is the best solution. 19 reserve, in the event of an extreme surge scenario. 19 The extent to which this solution might help a UK-wide 20 Alongside efforts to secure additional ventilation 20 pandemic response will be examined. 21 21 equipment, the ICU Resilience Group undertook to Moving now to Northern Ireland. In Northern 22 22 repurpose anaesthetic machines to mitigate against any Ireland, the Department of Health is responsible for 23 potential shortage of ventilators which, in Scotland, 23 health and social care, which is provided by five health 24 24 was considered less of a risk to the NHS than utilising and social care trusts. Departments of the Northern 25 unfamiliar brands of ventilators, especially when the 25 Ireland Executive are required to be advised by a Centre 57 1 of Procurement Expertise (CoPE). The relevant CoPE to 1 stock that were required by NHS England. 2 all DHSC organisations in Northern Ireland is the 2 BSO PaLS was not responsible for the PIPP stockpile 3 BSO PaLS, an arm's-length body of the Department of 3 in Northern Ireland, which is owned by DHSC. DHSC 4 Health. BSO PaLS provides all procurement services to 4 solely determines the type and volume of products held 5 HSC trusts say for construction procurement, which is 5 in the stockpile but the Department of Health has 6 managed by another CoPE. 6 ownership and authority to release times and BSO PaLS 7 7 Prior to the pandemic, BSO PaLS produced nearly all provides a storage, maintenance and stocktaking service. 8 the PPE used in Northern Ireland, although individual 8 Uniquely among the nations of the UK, Northern Ireland 9 HSC trusts do have the right to procure independently. 9 also held a small stockpile of gowns, which had been 10 The Department of Health estimates this accounted for 10 acquired by the Department of Health in preparation for less than 1% of PPE procurement. In 2019, BSO PaLS a possible outbreak of swine flu in 2009. Through 11 11 12 purchased just under £3 million of PPE, primarily 12 engagement between their respective CNOs, 25,000 gowns 13 through four fixed-price contracts awarded through open 13 were sent to England by Northern Ireland in mutual aid. 14 competition. This included £2.7 million spent through 14 In the early stages of the pandemic, BSO PaLS 15 its own contracts, 95% of which related to gloves and 15 amended its procurement processes and engaged in more 16 aprons. BSO PaLS also spent 0.2 million on FFP3 masks 16 negotiated spot buying rather than its usual competitive 17 through the NHS supply chain frameworks. In respect of 17 tendering. The Northern Ireland Audit Office report in 18 ventilators, BSO PaLS did not procure ventilators 18 March 2022 found that BSO PaLS relied heavily on direct 19 directly but facilitated and advised on their purchase 19 award contracts throughout the first wave of the 20 by HSC trusts. 20 pandemic. Between February and November 2020, BSO PaLS 21 Planning and decision-making process in relation to 21 and the Department of Health awarded more than 70 DACs 22 the quantity and other type of ventilator and other 22 with a total initial estimated value of £549 million. 23 critical care equipment required were led by the 23 On 25 June 2020, BSO PaLS established a Dynamic 24 Critical Care Network Northern Ireland. Northern 24 Purchasing System (DPS), for PPE, in order to reduce 25 Ireland also received ventilators from the national 25 reliance on direct award contracts and move towards

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1 a more competitive process. As of March2022, it had 1 2 2 awarded only two competitive contracts under this, 3 totalling £38.3 million. This may reflect the large 3 4 stocks built up under the emergency regulation 4 5 5 contracts 6 BSO PaLS worked with the Medicines Optimisation 6 7 Innovation Centre (MOIC), on a process whereby all PPE 7 8 8 offered by new suppliers was tested to ensure all 9 applicable standards were met. Following due-diligence 9 10 checks by BSO PaLS, the MOIC would carry out 10 11 a pre-procurement assessment involving a technical 11 12 assessment and physical wear test by Public Health 12 13 Agency professionals. 13 14 By May 2020, about 45% of over 600 individual PPE 14 15 products had failed this technical assessment. Once 15 16 a product from a supplier met the technical clinical 16 17 assessment for MOIC, BSO PaLS would negotiate with the 17 18 18 suppliers on price and payment terms, and place 19 an order. BSO PaLS, along with Invest Northern Ireland, 19 20 Construction and Procurement Delivery and the Department 20 21 21 of Health had some success in encouraging local 22 22 businesses to begin manufacturing PPE or scaling up 23 existing production. This resulted in the award of 23 24 24 seven contracts to local businesses with the total 25 estimate value of £165.8 million. 25 61 1 administrations. I move now to the final section of 1 2 these opening submissions, which relates to the approach 2 3 that has been adopted, and that my Lady may wish to 3 4 adopt, to lessons learned and recommendations. 4 5 In considering the very significant quantity of 5 6 evidence which has been gathered by this module to date, 6 7 7 some key themes have emerged. These include: first, the 8 centrality of data to good procurement; second, 8 9 diversification of supply and its need; third, domestic 9 10 10 manufacturing capacity; fourth, fairness in emergency 11 11 procurement; and fifth, linked to that, transparency. 12 12 So dealing with those in turn. First, the 13 13 centrality of data to good procurement. There was very 14 little data available to ministers and officials on 14 15 which to base sound procurement decisions. This data 15 16 deficit in practice affected almost every aspect of 16 17 procurement. 17 18 It is clear that the governments of the UK and 18 19 devolved administrations all struggled to obtain clear 19 20 pictures of the inventories of PPE within both their 20 21 health and social care sectors and the rates at which 21 22 that PPE was being used. 22 23 As it was difficult to keep track of usage rates, so 23 24 it was with anticipated demand. What data did the UK 24 25 Government and devolved administrations have on the 25 63

3 March 2025 The Northern Ireland Audit Office commented that local manufacturers have contributed significantly towards strengthening local supply chains and their continued involvement will be key to ensuring stronger and more sustainable supply confidence. Uniquely among the nations of the UK, social care is managed by the Department of Health in Northern Ireland, rather than being within the remit of the local authorities and, therefore, BSO PaLS was responsible for procuring PPE for their own care homes. However, the independent care sector responsible for many care homes and domiciliary care in Northern Ireland would usually procure their own equipment. In Northern Ireland there were particular concerns around the PPE availability in independently-run care homes and providers of domiciliary care, who would source their own PPE in normal times. The Department of Health issued guidance saying that where ISPs were unable to source adequate PPE supplies, trusts would provide support. However, there were concerns that this did not adequately address the shortages and some care homes reported having to make their own PPE or making appeals for equipment from the community, charitable and commercial sectors. My Lady, that concludes the sections on the devolved 62 make-up of their health and social care workforce? How did this contribute, if at all, to the decisions to procure? The evidence will show that this ought to be a critical factor taken into account in future emergency procurement. The situation for those responsible for purchasing was, it appears, aggravated by an absence of accurate realtime tracking of the volumes of PPE available on the open market, of what was being purchased, and of information such as prices, technical specifications, delivery times, and available contract terms. In a global market in such extreme flux as that which confronted the UK as it entered the pandemic,

access to such kinds of information would have put those taking procurement decisions at a clear advantage. In an imperfectly functioning market, information is itself a valuable commodity to buyers. How can we better arm those making procurement decisions in the future with better data? One of the consequences of the PPE call to arms was that the procurement system was deluged with offers which meant that it had no means by which the information contained within those offers could be analysed and triaged at speed.

5 This itself was aggravated by many stages of the 64

1 DHSC's eight-stage procurement process. As data about 2 such matters as due diligence and technical 3 specifications was sought out and provided, even larger 4 pools of information accrued. Each pool had to be 5 analysed and triaged by specialist teams before a final 6 decision could be taken on whether a contract should be 7 entered into 8 The IT and software systems which officials were 9 required to use did not allow them to work effectively 10 together. Under the considerable pressure of the procurement effort, they were required to rely on 11 12 cumbersome systems based on an exchange of spreadsheets 13 and formed by emails to put together the pieces of an 14 offer. 15 The consequence was a manual, labour-intensive and 16 potentially less effective and efficient approach than 17 it could otherwise have been. 18 Better use. How can there be better use of data, in 19 both procurement and technology, in its interrogation, 20 is a key issue in this model. It ought to be possible, 21 we think, for the governments of the UK and devolved 22 administrations to rely on a procurement system driven 23 by access to live data about inventory, the market, and 24 offers of supply. 25 Diversification of supply, the second theme. 65 1 strategy to support and complement an international 2 trades strategy in which support chains are diversified? 3 Are there areas at which the UK is at a comparative 4 advantage? Are there lessons in which the UK might 5 learn from the approaches taken by the devolved 6 administrations? We think that there are and we will 7 explore them in the hearings. 8 Penultimately, fairness in emergency procurement. 9 It ought not to be forgotten that the enormous sums 10 spent during the pandemic are, of course, public money. 11 Even, and perhaps especially, in an emergency, this 12 Inquiry considers that in the expenditure of such money, 13 fairness and transparency, which I'll move to in 14 a moment, are essential. 15 In order to retain public confidence in the 16 propriety of procurement decisions for which the public 17 bears the cost, there should be a level playing field. 18 What does this mean? That government contracts, both 19 access to, and the award of, should be based on clear 20 and objective criteria. Did the High Priority Lane or 21 the VIP Lane operate in accordance with such principles? It does not appear that it did, but we will examine this 22 23 in detail over the coming hearings. 24 Now, as I said I would, I turn finally to 25 transparency, very much linked to fairness. 67

The UK placed considerable reliance on a relatively 1 2 small number of countries to supply it with healthcare 3 equipment and supplies. Was this the right approach? 4 It created a grave risk that in the event of a global 5 pandemic, global supply chains, generally emanating from 6 a small number of countries and focused on China, would, 7 as they indeed did, cease to function. 8 If the diagnosis is correct, then one of the 9 prescriptions is relatively clear. The Inquiry will 10 hear evidence to the effect that diversification of 11 supply chains for such equipment to include a wider 12 range of countries and regions is a necessary step to be 13 taken to improve resilience. 14 The UK would thereby benefit from a more robust 15 emergency international buying strategy in the event of 16 a future pandemic. 17 Be what about domestic manufacturing capacity? The 18 UK's international buying efforts were complemented by 19 the scaling-up of domestic manufacturing. A small 20 number of strategic suppliers were selected and provided 21 with support by the UK Make team. Is there scope for 22 such support to be broadened to include a wider range of 23 domestic manufacturers, and improved in terms of the 24 speed and technical support which is available? 25 Is there scope for a domestic emergency industrial 66 1 Finally, transparency, an important part of the work of this module, is to open up the systems, the systems 2 3 which expended so much in such a short period of time, 4 to public scrutiny. Much has been speculated and 5 written about the decisions of those involved in 6 procurement on behalf of the UK Government and devolved 7 administrations during the pandemic. Our starting point is that the public has a right to 8 9 know how their money was spent in the name of protecting 10 them from the pandemic. For procurement decisions in 11 the future to be better and represent value for money, 12 there needs to be more and not less transparency. As 13 much as can be published about contracts entered into 14 during an emergency should be published. We will 15 explore the limitations of this approach and how best it 16 may be achieved in the future. 17 My Lady, those conclude the opening submissions made 18 on behalf of the Inquiry. 19 LADY HALLETT: Thank you very much indeed, Mr Wald. 20 A number of Core Participants wish to make oral 21 submissions. I don't wish to have to interrupt so I'm 22 afraid I'm going to insist that people stick to their 23 allotted time. 24 Mr Weatherby. 25

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1	Submissions on behalf of Covid-19 Bereaved Families for	1	concentrating on existing suppliers, rather than
2	Justice by MR WEATHERBY KC	2	a VIP Lane and a desperate shout-out to unknown and
3	MR WEATHERBY: Thank you.	3	opportunist profit seekers?
4	At paragraph 99 of his witness statement,	4	Why did nurses face having to make their own PPE
5	Michael Gove states:	5	from bin liners whilst others lined their pockets?
6	[As read] "Much has been written, broadcast and	6	Did businesses gained preferential access to
7	tweeted about the so-called scandal of PPE procurement.	7	procurement processes because of political patronage?
8	Almost all of it has been politically-motivated bilge."	8	In addition to the statistics Mr Wald has given, the
9	In terms of political motivation, Mr Gove and others	9	Inquiry expert has indicated that the VIP Lane accounted
10	can be assured that the 7,000 family members we	10	for almost 50% of the purchases via the PPE Buy Cell.
11	represent no doubt reflect the voting spread of the	10	No other country operated a VIP Lane which catered for
12	population including across the four nations and	12	friends of government ministers, so why did the UK?
13	jurisdictions. The bereaved just want to know simple	12	For the families, this isn't about the political
14	answers to compelling questions:	13	point scoring; it's about scrutiny. Scrutiny as to
14	Why, apparently, was there no emergency planning for	14	whether cronyism, unfair advantage, corruption, allowed
		15	
16	supply chain disruption and surging demand which is	10	chancers to make fabulous profits at the expense of all
17	entirely foreseeable in a whole system emergency?		of us, the bereaved, key workers, those legitimately
18	Why were there only business-as-usual and	18	doing everything they could to fill the gaps resulting
19	just-in-time procurement processes in place when it was	19	from an absence of planning, and of course, at the
20	obvious that these would fail, as happened with the main	20	expense of the public purse.
21	healthcare supplier Supply Chain Coordination Limited?	21	In the coming days the Inquiry will have the
22	Why was there such limited stockpiling and no central	22	opportunity to ask Mr Gove to assist us with which parts
23	data system to know where stocks were or shortages were	23	of the scandal are politically motivated nonsense and
24	arising?	24	which are, in fact, not nonsense. Because it really is
25	Why was there no emergency procurement process 69	25	beyond argument from open source material, never mind 70
1	the evidence amassed by the Inquiry, that certain	1	the High Court concluded that, and I quote:
2	politically-connected individuals gained massively from	2	" Speed in getting an offer to Technical
3	contracts to supply PPE and medical provisions during	3	Assurance improved the chances of securing a contract."
4	the pandemic.	4	In fact the Inquiry expert and the open evidence of
5	Some companies failed to deliver what they were paid	5	Richard James, a commercial specialist within the
6	for. There was profiteering and price gouging and	6	Complex Transactions Team at the Cabinet Office,
7	processes which led to businesses effectively bidding	7	suggests that the advantage went further than that.
8	against each other, inflating prices.	8	Professor Sanchez-Graells points to the effect of
9	To that end, we're pleased that the Inquiry is to	9	pressure for regular updates from VIP referrals on
10	look at nine example contracts. However, regrettably	10	time-strapped civil servants, whilst Mr James indicates
11	and to the dismay of the families, the Inquiry has	11	that access through the VIP Lane not only gave the
12	chosen not to call any of those who were the suppliers	12	advantage of speed and dedicated updating, but direct
13	in the questionable contracts.	13	and dedicated contact with the Technical Assurance team
14	Of course, the determination of which witnesses are	14	to overcome reasons which might lead to refusal.
15	called to give evidence is for you, but no disrespect is	15	By putting this evidence aside for a moment, the
16	intended in my setting out the concerns of the families.	16	families ask: if the VIP Lane did not advantage those
17	The High Court has already found that the VIP Lane	17	using it, what was its purpose? As the High Court made
18	breached the obligation of equal treatment, potential	18	clear, there were various factors which justified
19	suppliers and middlemen, many of whom were in that lane	19	expediting an offer under an emergency process. The
20	through political patronage and networking, the very	20	political status of the offeror or referrer were not
21	things that are anathema to the essence of public	21	amongst them.
22	procurement regulation.	22	By not calling the suppliers, the Inquiry has
23	Having considered evidence from some witnesses who	23	deprived itself of calling to account those for whom
24	will appear before the Inquiry which indicated that VIP	24	political patronage appears to have been a key element
25	offers were not advantaged at the decision making stage,	25	of getting the contract. It's deprived itself of being

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1	able to ask them how they came to make their bids, to	1
2	explain their commercial expertise and experience and	2
3	history in the areas they sought to supply, it's	3
4	deprived itself of the opportunity to ask questions as	4
5	to whether their attempts to source supplies interfered	5
6	with established suppliers' efforts and drove up prices.	6
7	Were these legitimate intermediaries who could add	7
8	value or chancers who saw opportunities to use their	8
9	political connections and the misery of others to make	9
10	huge, unwarranted profits?	10
11	For example, the Inquiry will not be able to ask	11
12	David Meller of Meller Designs Limited, a donor to the	12
13	Tory party and to Mr Gove's leadership campaign in 2016,	13
14	how his company, a fashion house, was in a better	14
15	position to source PPE than firms which had specialised	15
16	in doing just that for years.	16
17	In referring him to the VIP Lane, Lord Feldman had	17
18	noted that he was "a good friend of Mr Gove".	18
19	Mr Gove's private office chased up the bids asking	19
20	them to be dealt with as "a matter of urgency."	20
21	We've set out some of the detail at paragraph 65 of	21
22	our written submissions for anyone who wants to look at	22
23	it, but why was a fashion house, with pre-pandemic	23
24	profits of £143,000, being so heavily promoted by	24
25	ministers? Meller Designs' profits rose by £13 million 73	25
1	Lord Chadlington, referrer of the SG Recruitment bids,	1
2	Member of the House of Lords, director of	2
3	SG Recruitment's holding company, about his influence in	3
4	the contracts, contacting David Cameron and	4
5	Lord Feldman.	5
6	In his case, you have a statement, but he's not to	6
7	be examined on it. He appears to accept that he stood	7
8	to gain indirectly from these contracts, but to what	8
9	extent did he make clear his potential conflict of	9
10	interest? The correspondence between Lord Chadlington	10
11	and David Sumner shows an alacrity at the magnitude of	11
12	the contracts awarded. Was that because they were	12
13	celebrating their public spirited contribution to	13
14	alleviating the affects of the pandemic or was it	14
15	because they stood to make large amounts of money?	15
16	Reference to the share price in those communications	16
17	may give us a clue to that but asking them directly	17
18	would provide clarity.	18
19	Maybe the owners of these companies have answers;	19
20	maybe they don't. One of the roles of a public inquiry	20
21	is to allay public concern. There's widespread concern	21
22	regarding these and other contracts. The disappointment	22
23	of the families will be shared by many and the decision	23
24	not to call these suppliers will be seen as a lost	24
25	opportunity to establish the true facts and bring	25

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as a result. A significant volume of the goods supplied were unfit for NHS use. The Inquiry is not able to ask David Sumner of SG Recruitment how it, as a recruitment agency, with a turnover of about £500,000 per annum, and which made a £700,000 loss pre-pandemic, was in a better position to source PPE than those in the business. Again, we set out the details in our written submissions at paragraph 62 but some of the detail is confusing to say the least. What we do know is that SG was awarded contracts worth at least £50 million and correspondence between Mr Sumner himself and Lord Chadlington refers to expected revenues of £135 million, and that officials commented that the prices paid were expensive, even for the state of the market at that time. Evidence also suggests that some of the goods provided through this company were unfit for use and some of the goods, hand sanitiser, was sourced from a Scottish company, which had already supplied the NHS, raising the prospect of this intermediary bidding up the price for existing market suppliers. We also know that in time the holding company went into liquidation, raising further questions regarding public funds. The Inquiry is also not calling 74 a measure of accountability. As we know, other processes are looking into the recovery of public funds, and there are ongoing criminal investigations also. Those are not the concerns of the Inquiry. As a matter of law, as has been referred to, although Section 2(1) precludes you determining liability, what has not been mentioned is that the corollary is that other parallel processes are not to inhibit this process, and that's Section 2(2) of the Inquiries Act. With respect to Mr Dyson, he was apparently championed by both Mr Gove and the then Prime Minister Mr Johnson. Mr Dyson is the well known vacuum manufacturer, he took part in the Ventilator Challenge. By April it was clear that his model would not be pursued due to clinical viability and functionality. Nevertheless, Lord Agnew, a minister, warned the Government Chief Commercial Officer, Sir Gareth Rhys Williams, in the following terms: "We're going to have to handle Dyson carefully. I suspect we'll have to buy a few machines, get them into hospitals, so that he can then market

internationally, being able to say that they are being used in UK hospitals. We both need to accept that it

1	will be a bigger decision than we can both make.	1	planning or stockpiling and the diversion of efforts to
2	Remember that he got a personal call from the PM. This	2	the VIP and High Priority Lane.
3	can't be ignored."	3	Thank you, my Lady.
4	As we will hear, the Inquiry expert, Professor	4	LADY HALLETT: We shall break now and I shall return at
5	Sanchez-Graells, described how Dyson was treated as	5	2.05 pm.
6	an affront to the procurement rules.	6	(1.05 pm)
7	Finally, this morning you heard impact evidence. In	7	(The Short Adjournment)
8	our written opening, paragraphs 14 to 25, we set out	8	(2.05 pm)
9	powerful accounts from a number of family members	9	LADY HALLETT: Ms Campbell.
10	illustrating the desperation they felt at the lack of	10	Submissions on behalf of NI Covid-19 Bereaved Families for
11	available PPE and medical equipment, and their belief	11	Justice by MS CAMPBELL KC
12	that it may have contributed to their loved ones	12	MS CAMPBELL: Thank you, my Lady.
13	contracting Covid.	13	My Lady, your task in the coming weeks is to examine
14	Dr Glen Grundle's mum died in hospital in April	14	and make recommendations about the procurement and
15	2020. Many of the staff had no PPE. A ceiling of care	15	distribution of healthcare equipment and supplies so
16	was set to maintain her on a ward rather than admit to	16	that in any future crisis we are better prepared and
17	ICU or provide ventilation. Dr Grundle suspects this	17	better protected.
18	was related to extreme pressure on supplies.	18	To do that, you will embark upon a high level of
19	Janice Glassey was an NHS worker who worked with the	19	plans, structures, communications, contracts and supply
20	team who gave end-of-life care to those discharged home	20	and distribution chains. So packed is your schedule in
21	for their final days. Her daughter, Kerri, recounts	21	this module that for the first time you will not hear
22	that Janice complained to her of a shortage of PPE and	22	direct evidence from the bereaved or others impacted by
23	hand sanitiser at her work. She contracted Covid and	23	delayed or inadequate PPE and medical supplies, but as
24	died.	24	you navigate the evidence from the top of the
25	These and many more are the human costs of no proper 77	25	procurement decision-making models, you will, I know, 78
1	bear in mind that mistakes and missed opportunities, and	1	separate times and in separate locations were two of the
2	the allegations of profiteering so powerfully addressed	2	many people in Northern Ireland who died having
3	by Mr Weatherby before the break, had real world	3	contracted Covid in the care homes in which they lived.
4	consequences.	4	Their respective families and many others raised
5	Those consequences were felt at the time by	5	repeated concerns about the availability and inadequate
6	frontline staff and their patients on hospital wards, in	6	use of PPE which they believe caused their loved ones
7	care homes and in their own homes, and they continue to	7	their lives.
8	have consequences, measured now by the ongoing impact on	8	Michael Mallon, a father of four, was admitted to
9	political confidence in the top echelons of government.	9	Craigavon hospital for a non-Covid related reason in
10	It is hoped that the evidence you will consider in this	10	February 2021. He requested a clean fluid-resistant
11	module will enable you to make strong recommendations to	11	surgical mask only to be told that they were only
12	minimise, so far as possible, frontline consequences in	12	changed every three days. He contracted Covid whilst in
13	any future pandemic or health crisis, but it is also to	13	hospital and died whilst isolated from his family.
14	be hoped that those witnesses from whom you will hear	14	Seamus Anderson, who died in July 2021 in
15	will carefully consider the evidence that they give	15	Altnagelvin hospital, his wife Geraldine had asked if he
16	against the need for this public inquiry to go some way	16	could be placed on an ECMO machine, which she understo
17	to restoring public confidence.	17	would have assisted him, only to be informed that there
18	My Lady, real world consequences. Witnesses,	18	were none available. Understandably, Geraldine is
19	including representatives of the Northern Ireland Covid	19	concerned that a potential shortage of life-saving
20	Bereaved, from whom you have heard in earlier modules	20	equipment cost her husband his life.
21	and from whom you will hear in future modules, have	21	My Lady, we anticipate you will find support for all
22	provided powerful evidence of impact. In our written	22	of these concerns and more in the evidence that you will
23	opening, we remind you of the experience of	23	hear and read in this module.
24	Bridget Halligan, the mother of Agnes McCusker, of	24	We have an aging hospital and care estate with often
25	Basil Elliot, the brother of Anne Elliot, who at	25	no mechanical ventilation, reliant entirely on natural
	79		80

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1	ventilation. And you will hear from the Royal College	1	Ν
2	of Nursing that our frontline nurses repeatedly raised	2	been
3	concerns about the lack of access to PPE and FFP3 masks	3	affect
4	in that environment.	4	F
5	Evidence from trusts reveal that frequent changes to	5	surmo
6	PPE guidance, with the potential for multiple versions	6	patier
7	of guidance in circulation at any given time, led to	7	exhau
8	staff confusion. That confusion, when combined with	8	S
9	stocks on wards visibly running lower, hour by hour,	9	It
10	meant that the healthcare environment was frightening	10	the sa
11	for staff and for patients.	11	count
12	You will learn that some PPE was received by trusts	12	were
13	without EU certification, leading to concerns about the	13	even
14	protection it offered. Some goggles were non-compliant	14	ordina
15	with guidance, not fully enclosing the eye area. Aprons	15	a res
16	were not compatible with PPE dispensers, perforated	16	A
17	edges, poorly manufactured, ripping from one apron to	17	stock
18	the next, making them unusable, some too short to	18	Janua
19	adequately protect uniforms.	19	one v
20	And, my Lady, you well hear of the recurring impact	20	V
21	of the availability of types of FFP3 masks which	21	the D
22	frequently changed with little or no notice. With each	22	a wor
23	new mask introduced there was an inevitable consequence	23	learne
24	on fit testing, with staff having to attend on multiple	24	are q
25	occasions due to changes in mask availability. 81	25	V
1	unprecedented with overall demand rising by 429% at	1	were
2	a time of intense global demand. The evidence you will	2	Т
3	hear presents a very concerning picture about	3	h
4	preparedness for that level of demand, both at	4	Healt
5	a devolved and UK level, but before turning to that,	5	frustra
6	a word on how stock as was available was to be	6	answ
7	distributed domestically in Northern Ireland.	7	secto
8	You have heard many witnesses over the course of	8	[/
9	this Inquiry stressing the benefits of our integrated	9	'socia
10	health and social care system. You also know, indeed	10	in our
11	I addressed you on it at a recent preliminary hearing,	11	23,00
12	that within our care sector 90% of care homes are	12	Socia
13	privately owned, some under the large umbrella of large	13	area
14	providers, some individual family-run care homes.	14	S
15	And yet, in an environment in which even BSO PaLS or	15	Healt
16	the UK Government were struggling to get its place in	16	Healt
17	the market, the Department of Health guidance issued in	17	[/
18	March 2020 outlined that independent care providers were	18	worke
19	to source their own PPE, and that trusts should only	19	distar
20	provide PPE to them when suspected or confirmed Covid	20	C
21	cases arose.	21	Depa
22	The result was that throughout March 2020,	22	parac
23	independent care homes received only a small amount of	23	that s
24	PPE, when already in crisis, and the considerable	24	It
25	shortages in that sector were not addressed, much less 83	25	positi

1	My Lady, when one just 1% of staff in one trust had
2	been incorrectly fit tested for the available mask, this
3	affected over 1,300 frontline staff in the pandemic.
4	Problems that in non-pandemic times would perhaps be
5	surmountable, take on much greater impact when staff and
6	patients are at extreme risk, are frightened or
7	exhausted and are isolated.
8	So what went wrong?
9	It is fair to observe that BSO PaLS may not warrant
10	the same level of criticism or concern as their
11	counterparts in Westminster. It is clear that efforts
12	were made to increase stockpiles as a matter of urgency,
13	even though emergency planning for stockpiles did not
14	ordinarily fall within BSO PaLS remit. That was
15	a responsibility owned by the DHSC.
16	As it happened, tripling the peacetime PPE
17	stockholding from four weeks to 12 weeks in late
18	January 2020 proved wholly inadequate, equating to just
19	one week's supply in pandemic terms.
20	Why did BSO PaLS have to takeover stockpiling from
21	the DHSC? What were BSO PaLS told to prepare for as
22	a worst-case scenario? And what lessons have been
23 24	learned? How adequate are plans for the future? These
24 25	are questions that we would like publicly answered. We recognised that the workload of BSO PaLS became
25	82
1	were the vulnerability of its residents.
2	The position for domiciliary care is still worse.
3	In an email from the CEO of the Independent
4	Health IHCP written on 23 March 2020, fear and
5	frustration is encapsulated about the lack of immediate
6	answers to the availability of PPE in the domiciliary
7	sector:
8	
•	[As read] "The advice about 'stay at home' and
9	[As read] "The advice about 'stay at home' and 'socially distance' [she writes] does not apply to staff
9 10	'socially distance' [she writes] does not apply to staff
9 10 11	'socially distance' [she writes] does not apply to staff in our sector who continue to work without PPE. We have
10	'socially distance' [she writes] does not apply to staff in our sector who continue to work without PPE. We have 23,000 people every week receiving domiciliary care.
10 11	'socially distance' [she writes] does not apply to staff in our sector who continue to work without PPE. We have
10 11 12	'socially distance' [she writes] does not apply to staff in our sector who continue to work without PPE. We have 23,000 people every week receiving domiciliary care. Social distancing is impossible and this is a high risk
10 11 12 13	'socially distance' [she writes] does not apply to staff in our sector who continue to work without PPE. We have 23,000 people every week receiving domiciliary care. Social distancing is impossible and this is a high risk area for transfer yet no one is taking this seriously."
10 11 12 13 14	'socially distance' [she writes] does not apply to staff in our sector who continue to work without PPE. We have 23,000 people every week receiving domiciliary care. Social distancing is impossible and this is a high risk area for transfer yet no one is taking this seriously." She details a call with the director of Mental
10 11 12 13 14 15	'socially distance' [she writes] does not apply to staff in our sector who continue to work without PPE. We have 23,000 people every week receiving domiciliary care. Social distancing is impossible and this is a high risk area for transfer yet no one is taking this seriously." She details a call with the director of Mental Health, Disability and Older People in the Department of
10 11 12 13 14 15 16	'socially distance' [she writes] does not apply to staff in our sector who continue to work without PPE. We have 23,000 people every week receiving domiciliary care. Social distancing is impossible and this is a high risk area for transfer yet no one is taking this seriously." She details a call with the director of Mental Health, Disability and Older People in the Department of Health in which she was told:
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1	distribution of PPE to the independent sector changed	1
2	within a matter of weeks, at least for care homes. But	2
3	those were critical weeks, and the consequences, we	3
4	know, for those who lived in care home and for families	4
5	who now grieve them were catastrophic.	5
6	So we anticipate that we will ask you consider	6
7	a recommendation that never again can the Department be	7
8	so ill prepared or delegate its responsibility to the	8
9	independent sector.	9
10	My Lady, you know well that those are not the only	10
11	concerns of the Northern Ireland Covid Bereaved. While	11
12	procurement from Belfast has not been subject to the	12
13	same accusations of profiteering or cronyism as	13
14	procurement from London, that is not to say that what	14
15	was happening in London did not impact in Belfast. Nor	15
16	is it to say that there are not domestic improvements	16
17	that can be identified through strengthening supply	17
18	chains, ensuring transparency, leaving a clear audit	18
19	trail of transactions and identifying conflict of	19
20	interest in ensuring data storage. We are particularly	20
21	concerned about an apparent complete loss of all emails	21
22	and messages emanating from the Northern Ireland Bureau	22
23	representative in China, precluding any examination of	23
24	their contact. And we anticipate that by the end of	24
25	this module you will have good reason to make strong 85	25
1	before the Secretary of State Matt Hancock's proposed	1
2	UK-wide protocol to support collaborations on the	2
3	sourcing and supply of PPE would be issued for	3
4	consideration by the devolved administrations in	4
5	May 2021. Too little? Quite possibly. Too late? Most	5
6	definitely.	6
7	My Lady, I end with a reminder that the cost of	7
8	failings that you will consider in this module is not	8
9	only to be identified at the bottom of a bank balance or	9
10	on a balance sheet, the Northern Ireland Covid Bereaved	10
11	continue to pay an enormous price through their grief,	11
12	which is immeasurable and which must not be repeated.	12
13	Thank you.	13
	LADY HALLETT. Thank you your much indeed Mc Comphell	
14	LADY HALLETT: Thank you very much indeed, Ms Campbell.	14
14 15	Ms Parsons.	14 15
15 16		15 16
15 16 17	Ms Parsons. Submissions on behalf of Covid-19 Bereaved Families for Justice Cymru by MS PARSONS	15 16 17
15 16	Ms Parsons. Submissions on behalf of Covid-19 Bereaved Families for	15 16 17 18
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1	recommendations in each of those areas.
2	My Lady, before I conclude, a word about
3	co-ordination with the devolved administrations. In
4	other modules we have addressed you about the lost month
5	of February, when time slipped through fingers like sand
6	through an hourglass, but does this module also expose
7	that there was a lost month of March? Andy Wood, the
8	lead for PPE Buy Cell from whom you will hear this week,
9	sent an email on 22 March 2020 with a ten-point list of
10	basic requirements if he was to, as he put it, stand
11	a chance of success.
12	It's a fair observation that that list tells a tale
13	of starting from scratch. He needs technical assurance,
14	international logistics, new supplier hunters,
15	governance, data, logistics, warehousing.
16	22 March 2020, my Lady, the day before lockdown,
17	starting from scratch.
18	It might be thought unsurprising against that
19	background that two months later, in May 2020, the
20	devolved administrations were individually and
21	collectively raising concerns about an absence of
22	a four nations approach to procurement, and about a lack
23	of transparency about procurement decisions taken by the
24	DHSC apparently on behalf of four UK nations.
25	My Lady, it would be a full ten months after that
	86
1	firsthand, and so they asked themselves: would more and
2	better PPE have saved the lives of their loved ones?
3	Would more and better access to CPAP, oxygen,
4	ventilators have made the difference? Of course,
5	guestions like this on an individual level are not the
6	matter for the Inquiry. But the collective testimony of
7	this group, its collective voice, speaks to the
8	existence of sustained and systemic problems in Wales.
9	Mark Drakeford, First Minister, Vaughan Gething,
3 10	Minister for Health and Social Services, amongst others
10	in the Welsh Government, have prepared statements for
12	this module.
12	They claim that Wales, on a national level, never
14 15	ran out of PPE. They claim that Wales was never short
15 16	of ventilators. Indeed, the picture today, presented in
16 17	opening, was rather rosy: teething problems, yes, but
17 10	a well established equitable way of distribution was
18	established in Wales in due course, characterised by
19 20	close collaboration at all levels of government.
20	My Lady, it is a rosy picture that the members of
21	the group will not recognise. Their questions remain:
22	why did they witness such appalling shortages in PPE,
23	not just in wave one, but in later waves? Why did they
24	experience delays in accessing vital equipment and
25	supplies? 88

Against that main point, that backdrop, I flag some 1 1 2 specific concerns: first and foremost, nosocomial 3 infections. At the pandemic went on, families in Wales 4 felt it was a grim inevitability that, if admitted to 5 hospital during the pandemic, their loved one would 5 6 catch Covid. Their fears were well founded. Data from 7 Public Health Wales showed that, as of 24 February 2021, 8 of patients in Welsh hospitals testing positive for 9 Covid, 53% caught it in hospital. 10 The issue, as ever, is best expressed by the words 11 of the group's members. Anna-Louise Marsh-Rees, 11 12 co-leader of the group, her father caught Covid in 13 hospital in October 2020, as did 21 others on his ward, 14 of which 12, including her father, sadly passed away. 15 Her father had to wait 40 minutes for a high-flow oxygen 16 machine. The hospital confirmed it was being used 17 elsewhere. 18 Ann Marie Richards, her husband caught Covid in 19 hospital in December 2020, as did 25 other patients and 20 25 staff members. Tragically he never recovered. 21 Hywel Dda health board told Ms Richards rather opaquely, 22 and I quote: 23 [As read] "Exposure to multiple hospital environments would have made Mr Richards more vulnerable 24 24 25 to hospital acquired infections." 89 1 overlooked. There were problems with supply of PPE. 2 There were problems with supply of appropriate PPE. 3 There were problems with guidance, targeted as it was to 4 a hospital setting. 4 5 On 19 March 2020, as we heard this morning, the 6 Welsh Government announced that Shared Services had 7 7 expanded its reach to the Social Care Sector. But by 8 May 2020, only two-thirds of care homes were supplied by 9 Shared Services, the remainder, presumably, having to 9 10 make their own arrangements and, as the Welsh Local 11 Government Association observe, problems in supplies 12 were noted in care homes at points throughout the 13 pandemic. 14 As to the type of PPE supplied, we see records of 15 surgical masks, aprons, gloves and eye protection. No 16 sign of FFP3 masks, my Lady, so essential in preventing 17 aerosol transmission 18 Again, the issue is best expressed in the words of 19 one of the group's members, Catherine Griffiths. Her father contracted Covid in his care home in Aberystwyth. 20 21 She describes the last time she saw him: 22 "On 16 November 2020 I was invited to the care home 23 to say goodbye to Dad. I wanted to go in, sit by his 24 side and hold and comfort Dad. My brother urged me not

to. The level of PPE in the home was abysmal. We could 91

Sam Smith-Higgins, the other co-leader of the group, 2 her father caught Covid in hospital in January 2021. He 3 was not permitted access to a HEPA filter, despite such 4 filters being low cost and portable, and nor was he ever evidence offered a mask. He tragically passed away 6 three weeks after admission. 7 Finally, Sylvia, she appeared in the impact video in 8 Module 3, my Lady. She lost her father after he caught 9 Covid in a community hospital in April 2020. She saw 10 undertakers there in full hazmat suits. Healthcare workers, reliant on supplies from the local health 12 board, had nothing. 13 The group's members feel a real sense of betrayal. 14 They did everything in their power to keep their loved 15 ones safe. They followed the Government guidelines 16 stringently, yet they could not keep their loved ones 17 safe in hospital, and the members of the group want to 18 know why was the risk of contracting Covid in hospital 19 so high? Many of them strongly believe that poor 20 prevention and infection control, including lack of 21 appropriate PPE, lack of access to oxygen and 22 ventilators, and poor ventilation, led to the death of 23 their loved ones. Second point, care homes. My Lady, care homes in 25 Wales, particularly in the early stages, were completely 90 1 see the nurse wearing just an apron and a flimsy 2 surgical mask. I was forced to say goodbye to my father 3 whilst standing in the icy rain outside his window." The group is extremely concerned that Covid was left 5 to run rampant through care homes in Wales, leading to 6 an unacceptable loss of life, and they want to know why was the use of PPE in care homes so patchy? Why was 8 supplies of PPE and appropriate PPE so lacking? My Lady, my third and final point: infection 10 prevention and control, IPC guidance on FFP3 masks. 11 Wales went into the pandemic with 90% of its FFP3 12 masks out of date. A four nations meeting on 12 March 13 2020 dealing with shortages of FFP3 masks across the 14 nations flagged that Wales was in particular difficulty. 15 It had just 10,000 of them. To put that in some 16 context, that's just 10% of Northern Ireland's stock, 17 despite Wales having double the population.

18 From 13 March, one day later, IPC guidance was 19 announced that FFP3 masks were to be used only in intensive care units and aerosol-generating procedures. 20 21 Professor Catherine Noakes, from whom you heard in 22 an earlier module, suggested that the reluctance to 23 properly acknowledge airborne transmission was in part 24 because, and I quote: 25 "... the significant resource and operational

"... the significant resource and operational 92

1	implications of doing so."	1	the end often the day, of course, procurement was
2	Was it the case that a shortage of supply improperly	2	ultimately about people. The main purpose of
3	dictated the terms of the IPC guidance? It was known	3	procurement was to save lives. For the members of the
4	that the virus was spread by aerosol transmission from	4	group, procurement didn't save lives, and they, of
5	the early stages of the pandemic. Suffice to quote	5	course, want to know why.
6	Professor Van-Tam, who said in January 2020 that:	6	Thank you, my Lady.
7	"Historical HSE position is that maximum RPE is	7	LADY HALLETT: Thank you very much indeed, Ms Parsons.
8	required."	8	Dr Mitchell.
9	The group want to know why was this ignored? Why	9	Submissions on behalf of the Scottish Covid Bereaved by
10	did IPC guidance not reflect this?	10	DR MITCHELL
11	The impact of IPC guidance was experienced directly	11	DR MITCHELL: I'm instructed by Aamer Anwar on behalf of the
12	by some of the group's members. Sian Haigh, her	12	Scottish Covid Bereaved (microphone off)
13	husband, Alan, was an emergency technician for the Welsh	13	LADY HALLETT: I'm not sure it's working. Try again.
14	Ambulance Service in Carmarthenshire. He caught Covid	14	DR MITCHELL: Hello? Yes.
15	by attending the home of a Covid patient. He was	15	I am instructed by Aamer Anwar & Company on behalt
16	wearing a surgical mask, apron and gloves. His	16	of the Scottish Covid Bereaved. Throughout this
17	colleague had an FFP3 mask and a visor, as she was	17	Inquiry, the bereaved have discovered a great many
18	administering treatment. Both acted in accordance with	18	things that they suspected were indeed true: the country
19	IPC guidance. Sadly Mr Haigh's level of PPE was not	19	was not ready for a pandemic; governments fell into
20	sufficient to protect him. He passed away and his	20	panic and chaos; systems and structures that should work
21	inquest concluded that the cause of death was industrial	21	as checks and balances on power were swept aside for
22	accident due to not having an FFP3 mask.	22	a small group making unchecked and unaccountable
23	So briefly to conclude, my Lady, as we've heard, the	23	decisions. So it is we find that the same problems
24	Inquiry will hear evidence about the process of	24	affected the procurement of PPE.
25	procurement, supply chains, VIP Lanes, and so on, but at 93	25	From the material available so far, it appears that 94
1	this chaos spread to procurement of the vital equipment	1	The disclosure made to Core Participants has brought
1 2	this chaos spread to procurement of the vital equipment that people of our four nations needed so desperately to	1 2	The disclosure made to Core Participants has brought to light research showing that, on occasion, the High
2	that people of our four nations needed so desperately to	2	to light research showing that, on occasion, the High
2 3	that people of our four nations needed so desperately to keep us safe. Market forces dictated that timescales	2 3	to light research showing that, on occasion, the High Priority Lane only provided the most expensive average
2 3 4	that people of our four nations needed so desperately to keep us safe. Market forces dictated that timescales were shortened, demand increased, suppliers were able to	2 3 4	to light research showing that, on occasion, the High Priority Lane only provided the most expensive average price per unit for three categories: gloves, aprons and
2 3 4 5	that people of our four nations needed so desperately to keep us safe. Market forces dictated that timescales were shortened, demand increased, suppliers were able to choose who to sell to and for how much. The Scottish	2 3 4 5	to light research showing that, on occasion, the High Priority Lane only provided the most expensive average price per unit for three categories: gloves, aprons and body bags.
2 3 4 5 6	that people of our four nations needed so desperately to keep us safe. Market forces dictated that timescales were shortened, demand increased, suppliers were able to choose who to sell to and for how much. The Scottish Covid Bereaved asked: where was the accountability for	2 3 4 5 6	to light research showing that, on occasion, the High Priority Lane only provided the most expensive average price per unit for three categories: gloves, aprons and body bags. It was known that the companies involved with the High Priority Lanes were mostly dealing with
2 3 4 5 6 7	that people of our four nations needed so desperately to keep us safe. Market forces dictated that timescales were shortened, demand increased, suppliers were able to choose who to sell to and for how much. The Scottish Covid Bereaved asked: where was the accountability for spending public money?	2 3 4 5 6 7	to light research showing that, on occasion, the High Priority Lane only provided the most expensive average price per unit for three categories: gloves, aprons and body bags. It was known that the companies involved with the High Priority Lanes were mostly dealing with
2 3 4 5 6 7 8	that people of our four nations needed so desperately to keep us safe. Market forces dictated that timescales were shortened, demand increased, suppliers were able to choose who to sell to and for how much. The Scottish Covid Bereaved asked: where was the accountability for spending public money? The processes and procedures that ought to have been	2 3 4 5 6 7 8	to light research showing that, on occasion, the High Priority Lane only provided the most expensive average price per unit for three categories: gloves, aprons and body bags. It was known that the companies involved with the High Priority Lanes were mostly dealing with intermediaries, many of whom were sourcing from the sam
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1	we, the people, are being placed before profit.	1	questions for the Inquiry to explore, on the involvement
2	These are the submissions of the Scottish Covid	2	and representation of Black, Asian and Minority Ethnic
3	Bereaved.	3	people in leadership roles, and decision making in the
4	LADY HALLETT: Thank you very much indeed, Ms Mitchell, I'm	4	procurement processes.
5	very grateful.	5	We urge you and your team to scrutinise how measure
6	Who is next? Mr Thomas?	6	implemented during the pandemic ensured that the
7	Submissions on behalf of the Federation of Ethnic Minority	7	procurement practice and processes were not only
8	Healthcare Organisations by PROFESSOR THOMAS KC	8	efficient but also equitable.
9	PROFESSOR THOMAS: My Lady.	9	Our discussion today is particularly centred on
10	LADY HALLETT: Are you switched on?	10	understanding the impact of these practices and
11	PROFESSOR THOMAS: My Lady, can you hear me?	11	processes on Black, Asian and Minority Ethnic healthcare
12	LADY HALLETT: Yes.	12	and social care workers who were disproportionately
13	Are you switched on, Mr Thomas?	13	affected by the pandemic.
14	PROFESSOR THOMAS: I am.	14	My Lady, we have said it before and it does bear
15	LADY HALLETT: Oh, you are now.	15	repeating: the first ten doctors to die and lose their
16	<b>PROFESSOR THOMAS:</b> "The true measure of any society can be	16	lives to the virus were from the Black, Asian and
17	found in how it treats its most vulnerable members."	17	Minority Ethnic backgrounds. That these deaths were of
18	Ghandi.	18	Black, Asian and Minority Ethnic doctors, was not
19	My Lady, as we commence Module 5 of this Inquiry, we	19	a coincidence.
20	are presented with an opportunity to rigorously examine	20	These tragic losses, representing not just
21	the procurement process during the Covid pandemic. We	21	colleagues but also friends and family, underscored the
22	say that this module is crucial because it focuses on	22	dire consequences of structural and systemic
23	assessing whether these processes adequately consider	23	inequalities deeply rooted in our society. FEMHO's
24	and address the needs of the NHS diverse workforce and	24	members, who stand at the intersection of race and
25	the communities they serve. There are also some key 97	25	healthcare, lived the reality of structural and systemic 98
1	inequalities each and every day of the pandemic. They	1	in Counsel to the Inquiry's opening statement, we trust
2	continue to do so and will continue to do so until real	2	that the Inquiry will address these issues as we proceed
3	action is taken to ensure that society is equal, just	3	in Madula E
4		0	in Module 5.
•	and fair.	4	FEMHO considers that Module 5 examines how
5	Black, Asian and Minority Ethnic staff now make up	4 5	FEMHO considers that Module 5 examines how government procurement processes and procedures and
5 6	Black, Asian and Minority Ethnic staff now make up almost a quarter of the workforce overall, 24.2%; more	4 5 6	FEMHO considers that Module 5 examines how government procurement processes and procedures and decision making differentially affected ethnic minority
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ating: the first ten doctors to die and lose their
to the virus were from the Black, Asian and
ority Ethnic backgrounds. That these deaths were of
k, Asian and Minority Ethnic doctors, was not
incidence.
These tragic losses, representing not just
agues but also friends and family, underscored the
consequences of structural and systemic
ualities deeply rooted in our society. FEMHO's
nbers, who stand at the intersection of race and
thcare, lived the reality of structural and systemic
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ounsel to the Inquiry's opening statement, we trust
the Inquiry will address these issues as we proceed
odule 5.
FEMHO considers that Module 5 examines how
ernment procurement processes and procedures and
sion making differentially affected ethnic minority
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ds of the NHS's diverse workforce?
Were considerations of diversity integral to the
surement process from the outset?
Were the procurement strategies in place
ciently robust to address the urgent needs of all
thcare workers, particularly those from Black, Asian
Minority Ethnic backgrounds who faced
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1	disproportionate risks.
2	What evidence was gathered to show that the measures
3	taken during the procurement processes were effective in
4	preventing losses of healthcare workers, especially
5	amongst ethnic minorities?
6	Where? Where did these measures fall short and why?
7	Then turning to the long-term consequences of the
8	procurement decisions, in the light of the acknowledged
9	structural inequalities, the following questions may be
10	relevant:
11	How did the decisions made during the pandemic
12	affect long-term resilience and equity within the NHS?
13	What steps are now required to rectify these
14	disparities?
15	How did the NHS and the government bodies ensure
16	that compliance with the Public Sector Equality Duty
17	during the procurement processes, if at all?
18	Were any compliance measures effectively monitored
19	and enforced?
20	So my Lady, as ever, FEMHO is here to assist you and
21	the Inquiry in ensuring that the mistakes of the
22	pandemic are not repeated and that the reforms we pursue
23	are bold, inclusive, and lasting. FEMHO wishes to
24	assist you in this with solutions. I've always said
25	this: we want to be solutions orientated. So FEMHO is
	101
1	unsafe for all, both physically and psychologically.
2	Minority ethnic healthcare workers were more likely to
3	work in hazardous conditions, without adequate RPE or
4	PPE, than white counterparts. Not only this, they were
5	the least empowered to speak up about it, and you've
5	the least empowered to speak up about it, and you ve

heard evidence about that in previous modules.

So FEMHO submits that the dire circumstances that they faced and were labouring under, and which their patients and service users were also expected to endure, can be traced back to a highly flawed procurement process and decision making. Never mind having regard to due regard, these processes and decision making appear to have taken no account at all of the Public Sector Equality Duty. No account appears at all to have been taken about the disparate impact, which was obvious, and you've heard evidence about that in previous modules.

We also contend that the structural inequalities shape the availability and indeed access to the lateral flow tests and PCR tests and, as we've previously stated, this Inquiry has the profound responsibility to confront what we describe as uncomfortable truths of systemic inequality and structural. 

24	These are not peripheral issues to the pandemic
25	response, they are central failings that cost lives.
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1	of the view that structural inequalities impacted upon
2	the procurement decisions, the availability of
3	healthcare equipment and supplies during the pandemic,
4	leading to significant shortages of the very equipment
5	that health and social care workers and their patients
6	desperately needed.
7	There is no doubt that PPE was in short supply,
8	we've heard that, and, even when it was available, it
9	was not suitable or effective for some Black, Asian and
10	Minority Ethnic people. Much of the typical PPE
11	procured in the UK has been designed and manufactured
12	based on the average facial measurements of a white man.
13	We've heard that already, and this is just simply
14	unacceptable in today's society.
15	Powered air purifying respirator hoods, which were
16	not required to be close fitting, were not supplied and,
17	even if it appears that the cost differential between
18	this and other PPE was not significant, there was also
19	too few ventilators and not enough oxygen.
20	So let me summarise by just saying this and
21	finishing by saying this: in the circumstances of the
22	pandemic, this was all life-saving equipment which, if
23	not available, quite obviously led to avoidable deaths.
24	The circumstances which health and social care workers
25	faced in the workplace during the pandemic was patently
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1	So, my Lady, we urge this Inquiry to keep these
2	issues at the forefront of its investigation into
3	procurement. Let's ensure that the findings from this
4	Inquiry lead directly to substantial reforms making our
5	healthcare system a fair and safe place for every
6	community it serves.
7	Thank you, my Lady.
8	LADY HALLETT: Thank you very much indeed, Mr Thomas.
9	Mr Stanton.
10	Submissions on behalf of the British Medical Association by
11	MR STANTON
12	MR STANTON: Thank you, my Lady.
13	The opening statement on hehalf of the British

12	MR STANTON: Thank you, my Lady.
13	The opening statement on behalf of the British
14	Medical Association is as follows. Poor procurement and
15	distribution of vital healthcare equipment and supplies
16	meant that healthcare staff had to care for their
17	patients with scarce resources, inadequate equipment,
18	and the ever-present danger of a potentially deadly
19	virus, often without the protection they so desperately
20	needed.
21	This had a devastating and lasting impact on staff
22	and patients alike, causing stress anxiety,
23	moral injury, infection, long-term disease, and sadly,
24	death.
25	This statement covers the procurement, distribution 104

4	and the sum arises of the and user is relation to DDF	4
1 2	and the experience of the end user in relation to PPE, testing, ventilators, and oxygen.	1 2
2	First, PPE. The quantity and quality of PPE	2
4	supplies was woefully inadequate, with over four in five	4
4 5	respondents to a BMA survey stating that they did not	4 5
6	feel fully protected during the first wave. There was	5 6
7		0 7
	severe shortages of PPE across all healthcare settings,	
8	particularly in the early months. Healthcare staff were	8 9
9 10	forced to go without PPE, reuse single use items, and	9 10
10 11	use handmade or self-bought items.	
	One GP in Northern Ireland told the BMA: "We were	11
12	sent six pairs of gloves and six aprons in an envelope	12
13	approximately three weeks after the start of lockdown."	13
14	Some Inquiry witnesses have stated that the UK never	14
15	ran out of PPE and that the problems were with the	15
16	distribution rather than overall quantities. It will be	16
17	important for the Inquiry to fully explore both of these	17
18	issues, and yet the bottom line remains that healthcare	18
19	staff did not have access to the life-saving PPE they	19
20	needed when they needed it.	20
21	In some cases, PPE was defective and failed to meet	21
22	safety requirements. Some of these faulty items reached	22
23	frontline staff, with numerous reports of face mask	23
24	straps breaking. Ultimately, billions of pounds' worth	24
25	of PPE arrived unfit for purpose and had to be 105	25
1	Alongside this, the UK's ability to supplement PPE	1
2	stockpiles in times of crisis was compromised by	2
3	a reliance on just-in-time contracts and a lack of	3
4	domestic manufacturing capacity.	4
5	Second, there was a failure to procure adequate and	5
6	appropriate PPE as a direct result of flawed infection	6
7	prevention and control guidance, which failed to	7
8	recommend adequate protection against aerosol	8
9	transmission, despite longstanding scientific	9
10	understanding of the level of protection required in	10
11	these circumstances.	11
12	This failure was influenced by the critical shortage	12
13	of respiratory protective equipment in early 2020.	13
14	Further, once the IPC cell recommended that respiratory	14
15	protective equipment was not required for routine care	15
16	of Covid-19 patients, it stubbornly refused to revise	16
17	its position later in 2020 when there was increasingly	17
18	strong evidence for aerosol transmission and at a time	18
19	when the easing of supply constraints would have made it	19
20	possible to procure the necessary quantities of	20
21	respiratory protection but for the limitations imposed	21
22	by the guidance.	22
23	These mutually reinforcing influences, the initial	23
24	shortages which led to flawed guidance, followed by the	24
25	stubborn refusal to change the flawed guidance, worked	25
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destroyed.
Many BMA members reported feeling pressured to work
without adequate protection. They lived in constant
fear for their own lives, and the lives of their
patients, colleagues and loved ones.
Many healthcare workers, including over 50 doctors,
tragically died, and it cannot be emphasised enough that
these deaths were not inevitable.
Large numbers of staff developed Long Covid and they
continued to experience the devastating personal and
professional effects, with many unable to work or train,
losing their careers and livelihoods as well as their
health.
Adverse impacts were also disproportionately
experienced by women, ethnic minority staff, and those
with a disability or long-term health condition.
There are many factors that contributed to these
failings, but for present purposes, the BMA highlights
just three of the main causes. First, pandemic planning
for PPE was inadequate. The focus on pandemic influenza
rather than preparing for a wider range of threats meant
that the stockpiles were primarily comprised of
fluid-resistant surgical masks rather than respiratory
protective equipment which protect from aerosol
transmission.
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together to leave staff unprotected throughout the pandemic.
Third, the failure of government leaders to act
quickly to secure adequate stocks of PPE, including the

quickly to secure adequate stocks of PPE, including the failure to participate in the joint EU procurement scheme, and processes that were characterised by delay, lack of transparency, and a lack of due diligence, notably in the use of the High Priority Lane. At a time when frontline staff had been risking their lives working in an under recoursed and upsets

their lives working in an under-resourced and unsafe system, BMA members felt particularly let down by reports of these failures and the significant amounts of money wasted. Staff safety was also affected by lack of access to

testing. The initial limited capacity to test at the scale needed, combined with shortages of tests themselves, and the UK Government making relatively little use of the pre-existing NHS laboratories, caused delays in identifying cases and likely meant that staff unwittingly transmitted Covid-19 to patients and colleagues. It also impacted staff capacity at this critical time due to self-isolation. Turning to ventilators. Procurement processes for this equipment were inefficient and inadequate, and resulted in the provision of ventilators that were

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2	unsafe, unsuitable and unfamiliar to staff, which led to	1	hospital oxygen delivery systems was a major concern,
2	the need to transfer patients to different hospitals due	2	and to reduce the risk of this happening, delivery flows
3	to a lack of critical care capacity.	3	were maximised and staff were told to ration oxygen by
4	Time and money were also wasted on new ventilator	4	reducing target oxygen saturation levels in patients,
5	prototypes which were never ultimately purchased,	5	which contributed to stress and moral injury.
6	despite the fact that there were ventilator models that	6	One resident doctor in England told the BMA that:
7	were already approved by the MHRA.	7	[As read] "It was mostly luck that our oxygen
8	All of this led to localised shortages of	8	supplies did not fail."
9	ventilators, especially in London during March 2020, in	9	This highlights an important structural issue: aged
10	response to which anesthesia machines, which are only	10	hospital estates are a key strain on oxygen levels and
11	designed to be used for a few hours at a time, were	11	it is crucial that hospital estates are upgraded to
12	repurposed and used as substitutes for ventilators.	12	ensure they can deliver high-flow piped oxygen when the
13	The necessity of this measure highlights the	13	next pandemic hits, so that this life-saving resource is
14	critical gap in capacity at the height of the first	14	readily accessible at the levels required when needed
15	wave.	15	most.
16	Such shortages also had significant impacts. They	16	My Lady, in conclusion, millions of pounds of public
17	affected patient care, and they also exacerbated the	17	money were wasted through rushed and ill-thought-through
18	atmosphere of stress and uncertainty for staff at an	18	procurement during the pandemic, including PPE that
19	already incredibly challenging time.	19	never reached healthcare staff and ventilators that
20	In respect of oxygen, the pandemic exposed	20	never reached patients.
21	significant vulnerabilities in the UK's medical oxygen	21	Procurement and distribution of healthcare equipment
22	supplies to hospital wards, which had never been	22	are not just bureaucratic processes, they are a lifeline
23	subjected to the strain they were under during the peaks	23	that provide critical protections and supplies to ensure
24	of the pandemic in 2020 and 2021.	24	the safety of those who work in the system and those
25	The risk of a sudden loss of oxygen pressure within 109	25	that they care for. The failure to do this has impacted 110
1	the physical and mental health of healthcare staff, and	1	Submissions on behalf of UK Anti-Corruption Coalition
2	the lack of transparency, robustness and value for money	2	by MR SMITH
			-
3	has damaged their trust and confidence in the systems	3	MR SMITH: My Lady. Thank you for giving the
4	that should have protected them and their patients.	3 4	MR SMITH: My Lady. Thank you for giving the UK Anti-Corruption Coalition the opportunity to speak
4 5	that should have protected them and their patients. Trust will not return easily, and the Inquiry's	3 4 5	<b>MR SMITH:</b> My Lady. Thank you for giving the UK Anti-Corruption Coalition the opportunity to speak today.
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On 20 March 2020, Gavin Hayman of the Open 1 2 Contracting Partnership, a member of UKACC, published 3 an article entitled Emergency procurement for Covid-19: 4 Buying fast, open and smart, with a number of 5 constructive and practical suggestions. 6 Vaccine procurement is widely considered to have 7 been a huge success story, a miracle, a life saver. In 8 contrast, the public and media perception is that the 9 PPE procurement wasn't open or smart and the words 10 "profiteering", "cronyism", "incompetence", "vested 11 interests", "secretive", "corrupt", "ineffective", 12 "hugely wasteful" and even "cover-up" are more likely to 13 spring to mind in the public consciousness. 14 Foremost in our minds in applying to become Core 15 Participants was our collective belief that lives were 16 unnecessarily put at risk and lost, and taxpayers' money 17 wasted, on a colossal scale because of the approach the 18 UK took to the purchase of PPE. 19 In the spectrum of items procured by government, 20 from atomic bombs to zero emission buses, we say that 21 PPE should not be a difficult category to buy properly. 22 We note the NHS was procuring large amounts of PPE 23 before the pandemic for its day-to-day needs, and the 24 PPE requirements, such as masks, aprons and gloves, were 25 straightforward and not, unlike Covid-19, novel. 113 1 Supply Chain Coordination Limited has never published 2 many PPE contracts worth billions of pounds, and most 3 others issued by DHSC have only been partially 4 published, a clear breach of Cabinet Office transparency 5 policy. 6 We have concluded that this is due to a toxic mix of 7 bad recordkeeping, indifference, defensiveness of the 8 organisations concerned. We also surmise that, in some 9 cases, contracts don't even exist, which, if true, is 10 worthy of further investigation by the Inquiry. 11 We would like to reiterate our serious concern that 12 the procurement of some £10 billion worth of Covid 13 related services contracts, many also awarded without 14 competition, remains out of scope for Module 5. Whilst 15 we welcome the inclusion of procurement case studies, we 16 are very concerned, like other CPs, that no suppliers of 17 PPE have been asked to give evidence. We feel strongly 18 that, whilst the government side of procurement is 19 important to scrutinise, in order to get to the bottom 20 of what went wrong, the Inquiry must have evidence in 21 front of it from the supplier side because, to put it 22 frankly, we believe in many cases serious mistakes were 23 made by Government that may have led to incorrect 24 supplies of PPE. 25

For example, many government PPE contracts lacked 115

Yes, during the pandemic the prices may be high, and 1 2 yes, the availability may be a severe constraint, but 3 following standard, best practice procurement principles 4 and techniques, if it should have been possible to avoid 5 many of the problems that arose: incorrect supply, 6 non-compliant packaging, numerous contractual disputes, and a massive write off of taxpayers money. 7 8 It seems reasonable to assume that such problems 9 impacted the availability of PPE in the healthcare 10 settings and care homes with, in some cases, tragic 11 consequences. We say that the government's outsourcing 12 of PPE sourcing to British traders, who, in some cases, 13 had no prior experience supplying PPE, or in some cases 14 no prior existence, was a reckless strategy that should 15 at least have been mitigated by payment conditional on 16 a pre-shipment inspection. This pre-shipment inspection 17 never happened and many of the quality problems were 18 only discovered after the PPE arrived in the UK and the 19 supplier paid in full. This approach increased the 20 shortages of useful PPE and posed a substantial fiscal 21 risk which materialised. 22 We say there is a continued lack of transparency 23 concerning Covid contracts. The government failed and 24 continues to fail to meet its transparency obligations 25 by publishing copies of all PPE contracts in full.

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1 proper technical specification, which increased the risk 2 of an incorrect supply. High Court documents, in the 3 public domain for the PPE Medpro contract suggest this 4 is a real possibility. The evidence from both parties 5 in that case is conflicting and revealing because the 6 PPE supplier has given evidence, raising guestions of 7 government competence that we fear will not necessarily 8 be discovered if the Inquiry in its own investigation only relies on the Government's account of how it 10 responded to suppliers offering PPE. 11 The decision appears inconsistent with the Inquiry's

12 approach to ventilator contracts, where suppliers have 13 been asked to give evidence and, to some extent, 14 provides the central government's debts and ex-ministers 15 and officials with an opportunity to mark their own 16 homework.

17 As Core Participants, we express serious concerns 18 and dismay about the government's repeated delays in 19 providing vital evidence to the Inquiry, which was 20 discussed during the second preliminary hearing. These 21 delays must have impacted significantly the Inquiry's 22 ability to conduct a comprehensive investigation into 23 procurement practices during the pandemic, undermined 24 its effectiveness and the public's right to full 25 accountability and transparency. 116

1	This unacceptable situation is particularly	1	
2	concerning, considering that Prime Minister Keir Starmer	2	b
3	said in July 2024 that "The safety and security of the	3	d
4	country must always be the first priority, and this	4	si
5	government is committed to learning lessons from the	5	w
6	Inquiry and putting better measures in place to protect	6	
7	and prepare us for the impact of any future pandemic".	7	а
8	We are concerned that the interests of central	8	L
9	government departments in this case is their first	9	а
10	priority and we find their excuses unconvincing and	10	g
11	concerning. We appreciate your Ladyship's continued	11	re
12	efforts to obtain all the requested evidence.	12	re
13	The Inquiry's findings and recommendations are	13	
14	crucial to ensure that lessons are learned and	14	re
15	government departments implement safeguards to prevent	15	th
16	the misuse of public funds and poor procurement that put	16	Р
17	lives at risk in future emergencies. We say that the	17	р
18	Government and Department of Health and Social Care in	18	th
19	particular must demonstrate commitment to transparency	19	р
20	and accountability by fully cooperating with the Inquiry	20	а
21	without further delay. We call on the Secretary of	21	ci
22	State for Health and Social Care to make sure this	22	р
23	happens. The Inquiry and the public, particularly the	23	а
24	bereaved families, deserve a full and transparent	24	
25	account of all decisions made during the pandemic. 117	25	w
1	PPE, who in some cases exploited the situation, took	1	а
2	advantage of the Government and NHS's vulnerable	2	
3	position and profiteered at the taxpayers' expense,	3	re
4	whilst in some cases also failing to deliver usable PPE.	4	а
5	As a result, the NHS was not fully protected, nor	5	Ir
6	was a loss of life minimised. Such behaviour was	6	n
7	shameful and those mainly British companies let the	7	th
8	country down in its hour of need and, again, we question	8	
9	why only one PPE contract has been the subject of High	9	c
10	Court action.	10	р
11	Last week the deputy Prime Minister, Angela Rayner,	11	y
12	announced that the Government was investigating under	12	in
13	new powers available to it in the Procurement Act	13	
14	a number of suppliers involved in the refurbishment of	14	LADY
15	Grenfell Tower with a view to possible debarment from	15	
16	involvement in future public contracts. We call on the	16	
17	Government not to wait for your report and to launch	17	
18	similar investigations into certain suppliers of PPE	18	MR M
19	now.	19	b
20	In conclusion, we pay tribute to the work of the	20	w
21	Good Law Project, certain parts of the media,	21	b
22	independent journalists, MPs and Members of the House of	22	G
23	Lords who worked tirelessly to hold the Government	23	
24			
24 25	accountable and exposed many of the issues of concern about if it is approach to procuring PPE to the public	24 25	p u

1	The VIP Lane was created by politicians who went far
2	beyond the call of duty to help, and strayed into
3	dangerous territory and, in some cases, introduced
4	significant additional risks for the NHS, healthcare
5	workers, patients and taxpayers that materialised.
6	In opposition, the current government tabled several
7	amendments to the draft Procurement Bill to outlaw VIP
8	Lanes. These amendments were rejected and have not been
9	addressed by the current government in regulations or
10	guidance and the risk of some future government
11	resorting to VIP Lanes during some further crisis
12	remains something we hope the Inquiry will consider.
13	However, we ask the Government not to wait for your
14	report and publish regulations or guidance prohibiting
15	the use of the VIP Lanes. In opposition, the Labour
16	Party committed to follow Ukraine's footsteps and
17	publish an accessible dashboard of government contracts
18 19	that is available to anyone as part of our public works
20	pledge. The central digital platform is not sufficient and we call upon the Cabinet Office to establish
20 21	citizen-friendly dashboards, so that we can monitor
22	public contracts, including emergency contracts, during
23	any future crisis.
24	We note the stark contrast between AstraZeneca,
25	which sold its vaccine at cost, and British suppliers of
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1	and to the Inquiry's scrutiny.
2	Lives were, without doubt, lost due to very bad and
3	reckless procurement decisions made by the Government,
4	and unscrupulous and greedy suppliers, and we urge the
5	Inquiry to leave no stone unturned to help ensure this
6	never happens again. The families of the bereaved and
7	the wider public deserve nothing less.
8	The pandemic was unavoidable but the sometimes
9	chaotic and ineffective maladministration of the
10	procurement of some PPE most certainly was. We are at
11	your disposal for any clarification or any additional
12	information that you or your team require.
13	Thank you.
14	LADY HALLETT: Thank you, Mr Smith.
15	Mr Mitchell.
16	Submissions on behalf of the Scottish Ministers
17	by MR MITCHELL KC
18	<b>MR MITCHELL:</b> My Lady, this is the opening statement on
19	behalf of the Scottish Government. I appear today along
20	with junior counsel Michael Way, and we are instructed
21	by Caroline Beattie and Callum McCue of the Scottish
22	Government Legal Directorate.
23	During the pandemic, the environment in which
24	procurement agencies found themselves operating was
25	unprecedented, as, around the globe, nations rushed to 120
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clinical experts, and with end users of products.

a diverse range of suppliers.

point did Scotland run out of PPE.

need it at the right time.

action plan.

contracts.

Actual procurement and distribution of PPE and healthcare equipment is delegated to a special health board, NSS. It has proven procedures in place for due diligence, pricing, quality control, distribution, and supply. It has longstanding, trusted relationships with

Prior to the pandemic, Scotland owned a PPE

Government's initial response to the pandemic. Although supplies were stretched in their early months, at no

In April of 2020 the newly established Scottish Government PPE Directorate led on the publication of the

stockpile, which was a vital part of the Scottish

PPE Action Plan. This aimed to ensure that the right PPE of the right quality gets to the people who

It set out the roles and responsibilities at a national level for procurement and distribution, as well as the governance arrangements with the Scottish Government. The PPE Strategy and Governance Board was

responsible for overseeing the implementation of the

During the pandemic, procurement of ICU equipment was undertaken by NSS in collaboration with the Scottish 122

Government to Lyreco, an existing and trusted supplier, to supply PPE to non-health or social care essential services where they were struggling to access it.

Lyreco agreed to supply PPE at a cost basis, making the

In respect of any approach, bid or contact by the Scottish Procurement Property Directorate, there have been no suspicions, concerns, or instances of fraud in relation to procurement or award of contracts before, during or after the pandemic. In addition, no conflicts

contract good value for money.

of interest by civil servants or ministers are identified in the contracts managed by the Scottish Government, relevant to the scope often Module 5.

1	secure the materials necessary to protect their	1
2	citizens. This context is important in arriving at	2
3	a proper understanding of the response to the challenges	3
4	faced. In Scotland, however, remarkable outcomes were	4
5	achieved.	5
6	In large part this was due to robust, tried and	6
7	tested public procurement processes, networks and	7
8	relationships that had existed prior to the pandemic.	8
9	In these regards, Scotland began from a strong	9
10	starting point, yet that was not the only reason for the	10
11	positive outcomes. The Scottish Government sought to	11
12	develop new relationships and to innovate. In this	12
13	opening statement, therefore, our themes are	13
14	collaboration, relationships, innovation, and	14
15	governance.	15
16	These were the keystones of the approach adopted by	16
17	the Scottish Government.	17
18	Looking firstly at some key structures and	18
19	processes. The Scottish Government Procurement and	19
20	Property Directorate is responsible for developing and	20
21	maintaining a framework of Scottish public procurement	21
22	legislation and policy. A significant procurement	22
23	reform programme begun in 2006 had brought about	23
24	a familiarity with policy and with legislation. This	24
25	led to established connections with technical and 121	25
1	Government ICU Resilience and Support Group. This group	1
2	provided central co-ordination and made key decisions on	2
3	the distribution of equipment to NHS boards.	3
4	The Scottish Government entirely recognises the need	4
5	to engage and to work closely with partners across	5
6	the UK. It did and it will continue to do this.	6
7	However, given the expertise and the knowledge possessed	7
8	by NSS of Scottish requirements, the Scottish Government	8
9	is yet to be persuaded that the delegation of emergency	9
10	procurement to a four nations body would bring about	10
11	tangible improvements.	11
12	Turning now to governance, transparency, and	12
13	accountability. The Scottish Government relied upon the	13
14	pre-existing policies, the legislative framework, and	14
15	robust due-diligence checks to ensure good governance	15
16	and transparency.	16
17	The requirement to secure value for money was	17
18	emphasised in policy notes. The normal rules about	18
19	recordkeeping, guarding against conflict of interest,	19
20	continue to apply throughout the pandemic. The use of	20
21	emergency provisions within existing legislation was	21
22	necessary, and contributed to the speed at which the	22
23	Scottish Government and NSS could implement their	23
24	response.	24
25	A framework contract was awarded by the Scottish	25
	123	

Audit Scotland carried out an assessment of the arrangements in place at the Scottish Government to prevent fraud and corruption. Audit Scotland concluded that the Scottish Government had applied the appropriate controls regarding new or extended Covid-19 procurement Looking now at the generation and the processing of supply offers. From early in the pandemic, many offers were received from potential suppliers in relation to PPE. Initially, offers were received via a dedicated mailbox and they were then triaged. Scottish Enterprise and Scottish Development International carried out

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By April 2021, around 88 per cent of Scotland's PPE

by volume, excluding gloves, was being manufactured

domestically. This was a considerable success.

1 significant due-diligence checks, such as visiting 1 2 2 factories, including those based in China and the 3 Far East. In about mid-April of 2020, an online 3 4 4 supplier offer portal was created by NSS to automate and 5 streamline the triage process. Thereafter, NSS applied 5 6 its established procedures. 6 7 Approximately 2,700 offers were received, although 7 8 8 only one progressed to securing a contract from NSS. 9 9 As Mr Wald pointed out this morning, there was no 10 comparable system to the VIP or High Priority Lane in 10 Scotland. As far as the Scottish Government is aware, 11 11 12 no individual or company received preferential treatment 12 13 and procurement or the award of contracts. 13 14 Turning to emergency trade and strategy. At the 14 15 start of the pandemic, a key issue was that items were 15 16 either not produced in Scotland or at the scale needed. 16 17 A strategy was developed that comprised two parts: 17 18 18 firstly, a buy strategy, focused on securing supplies 19 rapidly in the global market; and, secondly, a make 19 20 strategy, focused on building supply capacity within 20 21 21 Scotland's manufacturing base. A major focus was on 22 22 identifying and working with Scottish manufacturers in 23 the production of key healthcare products. The make 23 24 24 strategy help to establish several new domestic supply 25 chains and support greater self-sufficiency. 25 125 1 Further, between April and August 2020, the Cabinet 1 2 Secretary for Health and Sport, Ms Freeman, received 2 3 daily and weekly reports on the status of PPE and its 3 4 distribution. 4 5 5 Notwithstanding Scotland's geography and higher 6 proportion of remote settlements, NSS never reached 6 7 a point where distribution became entirely 7 overstretched. 8 8 9 My Lady, in conclusion, there's more that I could 9 10 mention, such as the work done by the Scottish 10 11 Government to identify the lessons to be learned, the 11 12 potential need for a mechanism to request emergency or 12 13 additional funding from the UK Government, over and 13 14 above that generated through the Barnett formula, and on 14 15 the good uses to which excess stock was put within 15 16 Scotland. 16 17 17 But time does not permit. These are important 18 topics and we would encourage those interested to read 18 19 our written opening statement, which will be available 19 20 on the Inquiry website. 20 21 As we hope we have shown in this opening statement, 21 22 22 the existence of working relationships, innovative 23 approaches, and tried and tested processes, were central 23 24 to the Scottish Government's approach to procurement 24 25 25 during the pandemic. 127

Looking finally at distribution and logistics. In April 2020, the Scottish Government's PPE Directorate assisted in the co-ordination of a range of PPE delivery aspects, including supply to GPs, dentists and social care providers. Prior to the pandemic, care homes procured their own PPE. However, early on in the pandemic, the Scottish Government worked with NSS to establish local PPE hubs. In due course, these hubs supported the whole Social Care Sector with all its PPE needs, where normal supply routes had failed. The hubs also supported unpaid carers and social care personal assistants. In mid-April 2020, the Scottish Government announced that NSS would provide a under-off top-up of supplies to all care homes. From 1 April 2020, frontline staff could raise any issues with the quantity or quality of PPE via a dedicated mailbox. At the same time, health boards established a nominated single point of contact. These individuals were people who were responsible for managing PPE supply within their health boards, and they were in place to resolve issues with supply concerns. 126 All these contributed to a system that was efficient, effective and fair. In closing, the Scottish Government would wish to pay tribute to all its partners with whom it worked and collaborated in providing essential supplies and equipment to keep the people of Scotland safe. Thank you. LADY HALLETT: Thank you very much, Mr Mitchell. We'll break now. I shall return at 3.30. (3.15 pm) (A short break) (3.30 pm) LADY HALLETT: Ms Doherty, there you are. MS DOHERTY: (Microphone off) LADY HALLETT: I can hear you but you're not on the microphone. MS DOHERTY: That's it now. LADY HALLETT: That's it. Submissions on behalf of NHS National Services Scotland by MS DOHERTY KC MS DOHERTY: My Lady, I appear on behalf of NHS National Services Scotland, or NSS for short. A written opening statement for NSS has been provided to the Inquiry but I will not repeat that whole statement today. Instead, I would like to take the opportunity to focus on three 128

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1	matters: first, NSS's national procurement systems,	1
2	distinct from the other three nations in the UK; second,	2
3	National Procurement's cooperation with other three	3
4	nations in the UK; and, third, levels of PPE in Scotland	4
5	during the pandemic.	5
6	So the first point, my Lady, national procurement	6
7	systems distinct from the other three nations in the UK.	7
8	NSS provides national strategic support services and	8
9	expert advice to Scotland's NHS. For the purposes of	9
10	this module, the services provided by NSS's National	10
11	Procurement Directorate, National Procurement, for	11
12	short, are particularly relevant.	12
13	Consistent with healthcare in Scotland being	13
14	distinct from the rest of the UK, the systems operated	14
15	by National Procurement for obtaining healthcare related	15
16	equipment and supplies for NHS Scotland are also	16
17	distinct from those elsewhere in the UK. NSS is	17
18	accountable to the Scottish Government for procurement	18
19 20	and distribution of healthcare required equipment and	19
20 21	supplies to NHS Scotland boards by National Procurement. So there's a Scottish NSS, a Scottish procurement	20 21
21	unit, which provides essential procurement and	21
22	distribution service to the Scottish NHS, and the	22
23	Scottish Government with overall responsibility, and	23
24	I stress the self-standing nature of the Scottish	24
20	129	20
1	manage the surge in offers to supply products.	1
2	Contracts with new suppliers were subject to the	2
3	Scottish Government's requirement for supplier	3
4	validation, prior to offers being approved for purchase.	4
5	It's important to note, as has already been said by	5
6	others today, that the High Priority Lane or VIP Lane	6
7	established by the UK Government, did not exist in	7
8	Scotland and National Procurement had no involvement in	8
9	it.	9
10	I note that the Inquiry's expert, Professor	10
11	Sanchez-Graells, has noted with approval in his report	11
12	that Scotland and the other devolved nations were able	12
13	to continue, with limited adaptations, with their	13
14	existing organisational arrangements and processes for	14
15	healthcare procurement which facilitated oversight, and	15
16	he contrasts the position in England, where a new set of	16
17	arrangements was introduced.	17
18	My second point, my Lady, relates to National	18
19	Procurement's cooperation with the other three nations	19
20	of the UK. National Procurement collaborated with the	20
21	four nations' PPE working groups to support mutual aid,	21
22	and to ensure that there was no detrimental effect to	22
23	the supplies to the other UK nations from its	23
24	procurement for Scotland.	24
25	My third point, my Lady, relates to levels of PPE in	25
	131	

position.
Prior to the pandemic, National Procurement had in
place an established and experienced procurement team
which worked closely with the procurement colleagues
across the Scottish health boards. It had established
networks across the NHS and Scotland, and with key
suppliers of healthcare equipment and supplies.
When the NHS in Scotland was placed into emergency
measures at the start of the pandemic, the Scottish
Government established a dedicated PPE team. As
a delivery partner of the Scottish Government, National
Procurement purchased, stored and distributed PE stock
during the pandemic. Its established procurement team
and pre-existing networks proved to be of great benefit
in these tasks.
Relying on its existing systems and knowledge, it
was able to procure high volumes of PPE and other key
equipment. Prices were volatile, which meant National
Procurement had to purchase in a complex and uncertain
market. It was able, however, to obtain most products
at prices commensurate with the prevailing market
conditions, as noted by Audit Scotland in its Covid-19
PPE report. National Procurement relied on its
existing, trusted suppliers where possible.
A supply offers portal was set up to receive and
130
Scotland during the pandemic. At no point during the
pandemic did National Procurement's stockpile of PPE for
NHS Scotland run out Throughout this period incoming
NHS Scotland run out. Throughout this period, incoming stock arrived at the central national distribution
stock arrived at the central national distribution
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in meeting that priority. National Procurement staff responded to the 132

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1	challenge in a professional and efficient manner,	1	pr
2	thereby supporting Scotland's response to the pandemic.	2	he
3	Witnesses to procurement and distribution in	3	
4	Scotland are due to give evidence on Monday, 24 March.	4	op
5	Given the distinct nature of Scotland's procurement	5	Μ
6	services compared to those elsewhere in the UK, it is	6	fo
7	hoped that other witnesses who give evidence in this	7	in
8	module make clear the geographical extent of the	8	as
9	procurement services about which they give evidence.	9	
10	Thank you, my Lady.	10	ca
11	LADY HALLETT: Thank you very much indeed, Ms Doherty.	11	pr
12	Mr Byrne.	12	
13	Submissions on behalf of the Welsh Government by MR BYRNE	13	Pa
14	MR BYRNE: Thank you, my Lady.	14	ar
15	Good afternoon, prynhawn da. I appear on behalf of	15	SL
16	the Welsh Government.	16	
17	During the pandemic, the procurement and	17	ar
18	distribution of key healthcare related equipment and	18	di
19	supplies in Wales was carried out by the NHS Wales	19	ar
20	Shared Services Partnership working with the Life	20	W
21	Sciences Hub and the Surgical Materials Testing	21	de
22	Laboratory.	22	
23	The NHS Wales Shared Services Partnership is an	23	Wa
24	independent organisation established in 2011 to provide	24	SL
25	services on behalf of NHS bodies in Wales including 133	25	SL
1	exceptions.	1	ur
2	Between March 2020 and June 2022, over 1.4 billion	2	de
3	items of PPE were issued in Wales. Of these, over	3	in
4	500 million were issued to the social care sector. At	4	£3
5	no point did Wales run out of PPE at the national level.	5	ur
6	As my Lady is aware, procurement processes in Wales	6	ar
7	were different from those in England. In Wales, there	7	m
8	was a strong centralised NHS procurement system in place	8	er
9	before the pandemic, and there were no high priority or	9	ar
10	VIP Lanes at any time.	10	of
11	All offers to supply PPE or other key healthcare	11	sc
12	equipment and supplies in Wales was subject to the same	12	pa
13	transparent and rigorous processes. As a result, Wales	13	P
14	did not encounter the problems that were experienced in	14	ro
15	England. No reports were required to be made to the	15	ke
16	Welsh Government's Head of Counter Fraud in respect of	16	pa
17	PPE or other healthcare procurement during the pandemic,	17	fu
18	nor were any reports required to be made in respect of	18	pr
19	conflicts of interest, preferential treatment or	19	er
20	suspected or attempted fraudulent attempts to secure	20	ke
20	contracts.	20	
22	The Welsh Government had no cause to report	21	£1
23	suspected PPE fraud to the police or to the Crown	23	G
20		20	

24 Prosecution Service.

25

Wales also did not experience the same level of 135

procurement. It is the central procurement body for key nealthcare equipment and supplies in Wales. During the pandemic it carried out all the perational procurement for NHS bodies and, from March 2020, it was also the operational procurement body or the Social Care Sector and the wider NHS in Wales, ncluding independent contractors in primary care, such as GPs, dentists, pharmacies, and optometrists. The types of PPE to be used in health and social are settings were specified by the UK infection prevention and control sales guidance. Within that framework, the NHS Wales Shared Services Partnership was responsible for decisions about what PPE and other supplies to buy, in what quantity, from which uppliers, and at what cost. It was also responsible for contractual arrangements and provisions, the use of framework agreements and lirect awards, the publishing of contract award notices and the management of contracts once awarded. The NHS Nales Shared Services Partnership also carried out lemand modelling, stock management, and distribution. The Welsh Government's practical role in procurement was limited. It provided funding, oversight and upport. It did not conduct procurement of healthcare supplies or equipment apart from certain limited 134

1	unusable or expired stock having to be written off or
2	destroyed as in England. In the two-year period ending
3	in April 2022, NHS Wales expenditure on PPE was some
4	£385 million, of which just over 3% was written off as
5	unusable due to shelf-life expiry. Although, of course,
6	any amount of waste is regrettable and must be
7	minimised, a figure of 3% represents a modest margin of
8	error in light of the fast-paced changes of the pandemic
9	and the overriding need to ensure that sufficient stocks
10	of PPE were available. Wales was also able to donate
11	some excess stocks to other countries during the
12	pandemic.
13	As noted earlier, the Welsh Government's practical
14	role in respect of the procurement and distribution of
15	key healthcare equipment and supplies during the
16	pandemic was principally to facilitate and provide
17	funding, oversight and support. It also enabled some
18	procurement through existing framework agreements and
19	engage with industry to stimulate the domestic supply of
20	key products.
21	As to funding, between 2020 and 2022, Wales received
22	$\pounds$ 1.022 billion in consequential funding from the UK
23	Government for PPE. In the two-year period ending April
24	2022, NHS Wales' expenditure on PPE totalled

25 approximately £385 million.

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1	The Cardiff University Wales Governance Centre	1
2	estimated that the cost of PPE and the devolved element	2
3	of the Test and Trace system in Wales cost approximately	3
4	half the level of consequential funding stemming from	4
5	English spending on test and trace and PPE, representing	5
6	a £158 lower cost per person in Wales than in England.	6
7	As is set out in detail in the Welsh Government's	7
8	evidence, funding for the procurement and distribution	8
9	of healthcare equipment and supplies was subject to	9
10	scrutiny by ministers via the Star Chamber. Starting in	10
11	April defend ministerial PPE meetings also provided	11
12	a forum to raise and resolve any emerging issues at	12
13	a ministerial level and an opportunity to review details	13
14	of the current and future stock position and the	14
15	forwarded order pipeline.	15
16	Procurement was also subject to the oversight by the	16
17	Covid-19 Health Countermeasures Group and later the PPE	17
18	Sourcing and Distribution Group.	18
19	In addition to funding and monitoring PPE stock	19
20	supplies the Welsh Government recognised the need to act	20
21	quickly to secure the domestic supply of key products	21
22	which global markets would be unable to provide	22
23	reliably. In March 2020, the Welsh Government	23
24	established the Critical Equipment Requirement	24
25	Engineering Team, known by the acronym CERET, made up of 137	25
1	the pandemic influenza stockpile worked as an effective	1
2	buffer, some items were inadequate and stocks were	2
3	exhausted much quicker than expected, meaning that Wales	3
4	needed to procure more PPE than initially anticipated to	4
5	meet demand. That was a difficult task because most	5
6	supplies came from China and India and, due to	6
7	an increased global demand for such supplies and	7
8	lockdown restrictions in those countries, they were	8
9	difficult to obtain.	9
10	In response, the Welsh Government adopted	10
11	a multi-pronged approach. It supported the procurement	11
12	of additional PPE supplies. It worked with other UK	12
13	nations to pool procurement efforts and provide mutual	13
14	aid, and it continued international supplies and	14
15	increased collaboration with Welsh businesses to produce	15
16	PPE domestically. At no time did Wales run out of PPE.	16
17	That said, even where there was sufficient PPE	17
18	stock, there were distribution challenges. As the	18
19	Inquiry heard in Module 3, there were instances of	19

stock, there were distribution challenges. As the
Inquiry heard in Module 3, there were instances of
healthcare workers in Wales who were unable to obtain
PPE or were so concerned about the availability of PPE
that they were forced to adopt unsafe infection and
prevention control practices. Although the Welsh
Government addressed the question of supply at
a national level, the Inquiry heard evidence during
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1	key individuals with specialist expertise in health
2	finance, procurement and innovation from both within and
3	outside government. CERET supported the development and
4	manufacture of new products and secured components, raw
5	materials and services to help meet the needs of Wales
6	during the early phases of the pandemic. This included
7	supporting the Welsh manufacturers to change their
8	existing production lines, to manufacture PPE and
9	explore new methods of production that aim to offer
10	public bodies a strong local supply chain.
11	CERET did not carry out any procurement of
12	healthcare related supplies, apart from a single
13	instance in respective components for continuous
14 15	positive airway pressure devices and materials to enable
15 16	volunteers to make scrubs. Together, these amounted to a spend of less than £650,000, and these were the only
16 17	healthcare equipment or supplies directly procured by
18	any part of the Welsh Government for the health or
19	social care sectors during the pandemic.
20	My Lady, the Welsh Government is very aware that
21	an important if not predominant public concern will be
22	whether there were sufficient supplies of PPE available
23	to those working in the health and social care sectors.
24	In Wales, it was realised early in the pandemic that
25	the stock of PPE was diminishing very rapidly. Although
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1	Module 3, which the Welsh Government accepts, that
2	delivering PPE stock to local health boards did not
3	necessarily mean it reached the right hospital or the
4	right ward.
5	As the Inquiry knows, the Welsh Government is not
6	responsible for the operational delivery of social care,
7	nor does it directly fund the delivery of social
8	services or social care. That is the legal respond of
9	local authorities in Wales. Ordinarily, PPE for the
10 11	Social Care Sector was sourced by each local authority
11 12	for its local area and private providers were responsible for sourcing their own.
12	However, early in the pandemic, local authorities
13	were experiencing difficulties in providing sufficient
15	amounts of PPE to the sector because global supply
16	chains were collapsing and PPE was in very high demand.
17	Following Welsh Government discussions with the NHS
18	Wales Shared Services Partnership and local authority
19	leaders, the Minister for Health and Social Services
20	announced on 19 March 2020 that the NHS Wales Shared
21	Services Partnerships procurement and distribution remit
22	would expand to include the Social Care Sector.
23	This allowed more effective central procurement by
24	the NHS Wales Shared Services Partnership than would
25	have been possible by individual local authorities.

1	PPE to manage Covid-19 was provided for free to the	1	is
2	Social Care Sector in Wales during the pandemic. It was	2	w
3	also provided for free to independent NHS contractors in	3	m
4	primary care, such as GPs, dentists, pharmacies and	4	he
5	optometrists.	5	be
6	In conclusion, my Lady, as in all other modules, the	6	
7	Welsh Government will do all that it can to help and	7	al
8	support the Inquiry's investigation.	8	0
9	Thank you.	9	w
10	LADY HALLETT: Thank you very much, Mr Byrne.	10	р
11	Ms Murnaghan, there you are.	11	of
12	Submissions on behalf of the Department of Health in	12	w
13	Northern Ireland by MS MURNAGHAN KC	13	р
14	MS MURNAGHAN: My Lady, I appear on behalf of the Department	14	as
15	of Health in Northern Ireland, which I'll refer to in	15	
16	the course of this submission as "the Department".	16	cł
17	My Lady, the Department would like to, again, take	17	is
18	the opportunity to offer its sincere condolences to	18	th
19	those who have been bereaved because of Covid-19. It	19	W
20	extends its sympathy to the wider public who suffered	20	
21	during the pandemic, both in terms of the virus and also	21	is
22	of the impact of the many measures that have been taken	22	e
23	to combat that virus.	23	th
24	My Lady, the Department recognises the effects of	24	D
25	Covid-19 are ongoing, and that the impact of the virus 141	25	de
1	medical equipment, PPE, and other critical supplies.	1	С
2	We will also address the second facet of this	2	Fi
3	module, namely that of the distribution of equipment and	3	Μ
4	supplies.	4	P
5	My Lady, as we've said before, Northern Ireland in	5	re
6	this regard faced unique geographical and logistical	6	e)
7	challenges, and efforts were made to ensure	7	N
8	a coordinated approach and an approach that prioritised	8	рі
9	the safety of healthcare workers, patients and the	9	
10	public.	10	th
11	In its corporate statement which has been provided	11	B
12	already to the Inquiry, the Department has explained how	12	he
13	medical equipment is generally procured in	13	
14 15	Northern Ireland, and the Department believes that an	14	di
15	understanding of the outline of the procurement process	15	ke In
16 17	will be key to this module, and I'll set that out very briefly.	16 17	Ire
			io
18	In Northern Ireland, the Northern Ireland Public	18	is fo
19 20	Procurement Policy was agreed by the Northern Ireland Executive in 2022. That policy requires all	19 20	fo
20 21	departments and not just the Department of Health,	20 21	W
21	but all departments, agencies, non-departmental public	21 22	th
22	bodies and public corporations to carry out all	22	re
20			
24	procurement activities by way of a documented service	74	
24 25	procurement activities by way of a documented service level agreement. And that is carried out with the	24 25	th in

	is still being felt by many individuals as well as the
2	wider health and social care system. Like in previous
3	modules, the bravery, commitment and professionalism of
Ļ	health and social workers across Northern Ireland must
5	be praised.
5	In this submission, my Lady, the Department would
,	also like to thank the staff of the Business Services
3	Organisation, which has been referred to today as BSO,
)	who worked behind the scenes in exploring potential new
0	procurement routes for medical equipment and the supply
1	of personal protective equipment. This was at a time
2	when the global supply chain was experiencing extreme
3	pressure. The Department wishes also to thank those who
4	assisted in the distribution of that vital equipment.
5	The Covid-19 pandemic presented unprecedented
6	challenges to the public health systems worldwide and it
7	is important to acknowledge that the work carried out by
8	these staff members was integral to protecting frontline
9	workers and the wider population.
0	Now, my Lady, the Department's role in procurement
1	is somewhat limited in comparison to these areas
2	examined in other modules to this Inquiry. However, by
3	this statement, we wish to outline the role that the
4	Department did play in the decisive actions and
5	decisions that were taken in respect of procurement of
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	Central Procurement Directorate in the Department of
2	Finance or a relevant Centre of Procurement Expertise.
}	My Lady, you'll have heard of those Centres of
Ļ	Procurement Expertise, or CoPEs as they have been
5	referred to this morning, and these are centres of
5	excellence with specialist procurement expertise across
,	Northern Ireland public sector, and they undertake
3	
	procurement activities in relevant sectors.
)	. Although the Department uses three CoPEs generally,
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) O 1	. Although the Department uses three CoPEs generally,
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1		
	human infectious diseases, mass casualties. This	1
2	department also leads on the civil contingency	2
3	arrangements for storage management and distribution in	3
4	Northern Ireland, including the Pandemic Influenza	4
5	Preparedness Programme (PIPP). And I'll return to that	5
6	shortly.	6
7	As I've highlighted, my Lady, at the start of this	7
8	statement, Northern Ireland faced logistical and	8
9	geographical challenges at a time when the global supply	9
10	chain was under extreme pressure. Despite these	10
11	pressures, BSO PaLS worked to expand capacity and to	11
12 13	meet demand, and played an important role in Northern	12 13
13	Ireland's pandemic response. In working to scale its capacity to meet demand, it	13
15	is the overall view of the Department that BSO PaLS	14
16	performed well, particularly considering the	16
17	difficulties that they faced. The Department assisted	10
18	BSO PaLS in securing ministerial approval for	18
19	establishing a Dynamic Purchasing System for PPE. This	19
20	Dynamic Purchasing System, or which we've referring to	20
21	as the DPS, effectively allowed BSO PaLS to access	21
22	a pool of essentially pre-approved suppliers. This	22
23	thereby enabled access to supplier routes more quickly.	23
24	The establishment of the DPS was in recognition of	24
25	the significant increase in demand which had been	25
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1	Services Division, the contract was effectively	1
2	a cross-departmental arrangement and was signed by the	2
3		
	Department's previous minister, the First Minister, and	3
4	the Deputy First Minister, all on behalf of the Northern	3 4
4 5		
	the Deputy First Minister, all on behalf of the Northern	4
5	the Deputy First Minister, all on behalf of the Northern Ireland Executive.	4 5
5 6	the Deputy First Minister, all on behalf of the Northern Ireland Executive. My Lady, if I could now turn to the second limb of	4 5 6
5 6 7	the Deputy First Minister, all on behalf of the Northern Ireland Executive. My Lady, if I could now turn to the second limb of this module, being the distribution of medical	4 5 6 7
5 6 7 8 9 10	the Deputy First Minister, all on behalf of the Northern Ireland Executive. My Lady, if I could now turn to the second limb of this module, being the distribution of medical equipment. The emergency planning branch in the Department managed the stockpile of Pandemic Influenza Preparedness	4 5 7 8 9 10
5 6 7 8 9 10 11	the Deputy First Minister, all on behalf of the Northern Ireland Executive. My Lady, if I could now turn to the second limb of this module, being the distribution of medical equipment. The emergency planning branch in the Department managed the stockpile of Pandemic Influenza Preparedness Programme, both before and during the pandemic. BSO was	4 5 7 8 9 10 11
5 6 7 8 9 10 11 12	the Deputy First Minister, all on behalf of the Northern Ireland Executive. My Lady, if I could now turn to the second limb of this module, being the distribution of medical equipment. The emergency planning branch in the Department managed the stockpile of Pandemic Influenza Preparedness Programme, both before and during the pandemic. BSO was responsible for requesting the release of that PIPP	4 5 7 8 9 10 11
5 6 7 8 9 10 11 12 13	the Deputy First Minister, all on behalf of the Northern Ireland Executive. My Lady, if I could now turn to the second limb of this module, being the distribution of medical equipment. The emergency planning branch in the Department managed the stockpile of Pandemic Influenza Preparedness Programme, both before and during the pandemic. BSO was responsible for requesting the release of that PIPP stock at the start of the pandemic, which the Chief	4 5 7 8 9 10 11 12 13
5 6 7 8 9 10 11 12 13 14	the Deputy First Minister, all on behalf of the Northern Ireland Executive. My Lady, if I could now turn to the second limb of this module, being the distribution of medical equipment. The emergency planning branch in the Department managed the stockpile of Pandemic Influenza Preparedness Programme, both before and during the pandemic. BSO was responsible for requesting the release of that PIPP stock at the start of the pandemic, which the Chief Medical Officer approved.	4 5 7 8 9 10 11 12 13 14
5 6 7 8 9 10 11 12 13 14 15	the Deputy First Minister, all on behalf of the Northern Ireland Executive. My Lady, if I could now turn to the second limb of this module, being the distribution of medical equipment. The emergency planning branch in the Department managed the stockpile of Pandemic Influenza Preparedness Programme, both before and during the pandemic. BSO was responsible for requesting the release of that PIPP stock at the start of the pandemic, which the Chief Medical Officer approved. The Department established a PPE strategic cell on	4 5 7 8 9 10 11 12 13 14 15
5 6 7 8 9 10 11 12 13 14 15 16	the Deputy First Minister, all on behalf of the Northern Ireland Executive. My Lady, if I could now turn to the second limb of this module, being the distribution of medical equipment. The emergency planning branch in the Department managed the stockpile of Pandemic Influenza Preparedness Programme, both before and during the pandemic. BSO was responsible for requesting the release of that PIPP stock at the start of the pandemic, which the Chief Medical Officer approved. The Department established a PPE strategic cell on the 23 March 2020, and the aim of that cell was to	4 5 7 8 9 10 11 12 13 14 15 16
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ry	3 March 2025
	encountered in the first wave, and was considered an
	opportunity to mitigate supply chain issues such as the rapidly changing supply and demand position.
	So, my Lady, the Department, in conjunction with the
	Northern Ireland Executive, explored many channels, both
	locally and internationally, in an attempt to procure
	a PPE for Northern Ireland and, in respect of this, officials in the Department, BSO and the Department of
	Finance, worked in collaboration with officials from the
	Executive Office, and in this collaboration they were
	able to purchase significant stock on behalf of Northern
	Ireland directly from China. That became colloquially
	known as "the China contract". This contract was with
	a company that had been identified by the Northern
	Ireland Bureau in China and Invest NI and had been
	approved by the Chinese government to export PPE.
	Conscious of the need to ensure value for money,
	several pieces of work were undertaken and they included
	a due diligence report for the Department of Finance,
	an assessment of value for money that was carried out by
	BSO, and validation of the products by experts in
	infection and control from the Medicines Optimisation and Innovation Centre.
	So while this Chinese contract was led by BSO PaLS,
	and the Department of Finance's CFP Supplies and
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	social care sites, and for trusts to be able to maintain
	local stock levels higher than what would normally be
	expected.
	In addition to this, there was an oxygen supply
	working group which was established and that worked with
	the Health and Social Care Trusts, and the existing
	regional oxygen supplier, BOC, and their aim was to coordinate and authorise a prioritised work plan to
	enhance the trust's infrastructure and capacity for
	oxygen supplies at that time.
	Thereafter, with the development of lateral flow
	tests, the Health Minister approved the establishment of
	a Northern Ireland SMART smart meaning Systemic
	Meaningful Asymptomatic and Repeated Testing, a SMART
	programme board, and that was done in the Department in
	March 2021.
	The board had advice and had fulfilled an advice and
	administrative role in relation to some aspects of
	distribution and worked very closely with DHSC, UKHSA,

BSO and a range of other local delivery partners to assist at times, coordinating the distribution of those

lateral flow tests to sites across Northern Ireland.

Therefore, my Lady, to conclude, we'd like to say

yet again that we welcome the opportunity to provide

this opening statement. We hope that our input into

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1	this module and this overview, which summarises the role	1	continue to suffer the effects of the pandemic.
2	of the Department, will be useful in setting the scene.	2	The Inquiry will know that the Local Government
3	We also wish to reiterate our thanks to the health and	3	Association, having all but two local authorities as
4	social care workers, and officials in BSO, departmental	4	members, is the voice of the local government.
5	officials, all of whom have been instrumental in the	5	This opening statement for Module 5 seeks to
6	fight against Covid-19, and we welcome this module of	6	highlight key points from the witness statement from the
7	the Inquiry, hope to learn lessons from this, and	7	Chief Executive Joanna Killian.
8	consider what things could have been done better and to	8	It aims in particular to highlight the lessons that
9	learn from those who did differently.	9	must be learned in order to enable local government to
10	Thank you very much.	10	deal with procurement in the context of any future
11	LADY HALLETT: Thank you very much indeed, Ms Murnaghan.	11	pandemic with the greatest resilience and preparedness.
12	Ms Stober, I think you're wearing two different but	12	Ms Killian's statement emphasises that future
13	related hats?	13	national planning processes must involve local
14	MS STOBER: Yes, my Lady, can you hear me?	14	authorities, along with those organisations and bodies
15	LADY HALLETT: I can, thank you.	15	such as care provider organisations delivering the
16	Submissions on behalf of the Local Government Association	16	services that require PPE.
17	and the Welsh Local Government Association by MS STOBER	17	This proposition should be uncontentious, but her
18	MS STOBER: Excellent, thank you. I represent the interests	18	statement makes clear why it is so important. The fact
19	of both the Local Government Association and the Welsh	19	is that the pandemic started in early 2020:
20	Local Government Association.	20	Local government had not been adequately engaged in
21	I shall first start with the submissions of the	21	the planning process, such as Cygnus.
22	Local Government Association but I'd like to say, on	22	There were found to be inadequate supplies of PPE.
23	behalf of both associations, I extend their condolences	23	The adult social care sector in particular was
24	to all of those who suffered the terrible effects of the	24	adversely affected because of the shortage, both when
25	pandemic, those who lost lives of families and those who	25	supplies were redirected to the NHS, or distribution
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1	networks were suboptimal.	1	pandemic, a cost that the adult social care sector had
1 2	networks were suboptimal. When the pandemic started in early 2020, the	1 2	pandemic, a cost that the adult social care sector had previously not had to consider and was not prepared for.
			•
2	When the pandemic started in early 2020, the	2	previously not had to consider and was not prepared for.
2 3	When the pandemic started in early 2020, the mismatch between the preparation that had been made and	2 3	previously not had to consider and was not prepared for. Councils and the wider care sector also struggled
2 3 4	When the pandemic started in early 2020, the mismatch between the preparation that had been made and the actual need for PPE was soon very evident.	2 3 4	previously not had to consider and was not prepared for. Councils and the wider care sector also struggled with changes in instructions and guidance on PPE use,
2 3 4 5	When the pandemic started in early 2020, the mismatch between the preparation that had been made and the actual need for PPE was soon very evident. The greatest challenges with PPE procurement	2 3 4 5	previously not had to consider and was not prepared for. Councils and the wider care sector also struggled with changes in instructions and guidance on PPE use, which exposed staff, patients, clients and service users
2 3 4 5 6	When the pandemic started in early 2020, the mismatch between the preparation that had been made and the actual need for PPE was soon very evident. The greatest challenges with PPE procurement concerned a shortage of suitable PPE for those that	2 3 4 5 6	previously not had to consider and was not prepared for. Councils and the wider care sector also struggled with changes in instructions and guidance on PPE use, which exposed staff, patients, clients and service users to risks.
2 3 4 5 6 7	When the pandemic started in early 2020, the mismatch between the preparation that had been made and the actual need for PPE was soon very evident. The greatest challenges with PPE procurement concerned a shortage of suitable PPE for those that needed it, the difficulty in procuring it, given the	2 3 4 5 6 7	previously not had to consider and was not prepared for. Councils and the wider care sector also struggled with changes in instructions and guidance on PPE use, which exposed staff, patients, clients and service users to risks. Of course, it did not fall to the LGA to remedy
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o the combination	of government planning an	d PPE
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1	stockpiling, based on the assumption of an influenza	1
2	pandemic, reliance on a just-in-time approach to the	2
3	delivery of equipment beyond pre-existing stockpiles,	3
4	a lack of planning in the UK to be able to put in place	4
5	alternative production plans to respond to the global	5
6	shortage of PPE, when the Covid-19 pandemic hit the UK,	6
7	the UK began from a place of significant disadvantage	7
8	with insufficient PPE resources to supply the NHS,	8
9	Social Care Sector and frontline workers, and inadequate	9
10	mechanisms to rectify this.	10
11	It is obvious that, if these were to recur in the	11
12	future, no lessons would have been learnt from the	12
13	Inquiry. That is why she has emphasised that the UK	13
14	national planning needs to consider the following:	14
15	1. Which setting and workers will require access to	15
16	PPE; what sort of PPE they will need; how much PPE will	16
17	be needed as a result; and the relevant specification	17
18	for that PPE.	18
19	2. Where that PPE is sought from at a time when	19
20	global demand for PPE will peak and supply chains will	20
21	be disrupted, whether that is through stockpiles, the	21
22	ability to make a step change in domestic production in	22
23	a matter of weeks or a combination of both.	23
24	3. The distribution processes and plans needed to	24
25	ensure PPE can be delivered in a timely manner to	25
	153	
1	will discuss in relation to Wales.	1
2	This network was, at the material time, the	2
3	all-Wales forum to support local procurement	3
4	collaboration and knowledge sharing. It worked then as	4
5	it does now: to coordinate collaborative procurement	5
6	activity and knowledge sharing across local government	6
7	in Wales and with the wider public sector, including the	7
8	Welsh Government.	8
9	The work of procurement as it related to Adult	9
10	Social Care was supported by the National Commissioning	10
	Board. Accordingly, within Wales, there was a sound	
11	Doard. Accordingly, within Wales, there was a sound	11
11 12	basis for co-ordination of effort to make sure that	11 12
12	basis for co-ordination of effort to make sure that	12
12 13	basis for co-ordination of effort to make sure that procurement worked well.	12 13
12 13 14	basis for co-ordination of effort to make sure that procurement worked well. The issues of concerns lay elsewhere. As the	12 13 14
12 13 14 15	basis for co-ordination of effort to make sure that procurement worked well. The issues of concerns lay elsewhere. As the Inquiry will already know from Modules 1 and 2, in the	12 13 14 15
12 13 14 15 16	basis for co-ordination of effort to make sure that procurement worked well. The issues of concerns lay elsewhere. As the Inquiry will already know from Modules 1 and 2, in the years before the pandemic, the work on resilience and	12 13 14 15 16
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1	everyone who needs it.
2	The Inquiry is asked to make these points explicitly
3	in its report on this module. If it does, the
4	recommendation can provide a firm foundation for
5	building England's resilience and preparedness. If this
6	does not occur, the same problems she has noted will
7	recur. That simply cannot be allowed to happen.
8	My Lady, I now turn to the submissions of Local
9	Government Association. Again, as the Inquiry will
10	know, the Welsh Local Government Association represents
11	the voice of local government in Wales. All 22 local
12	authorities are members of WLGA.
13	This opening statement seeks to highlight key points
14	from the witness statement of the chief executive,
15	Dr Chris Llewelyn. His statement sets out much detail
16	of the many meetings that took place within Wales at
17	both the political and officer level. It is not
18	necessary in this opening to detail these, but the
19	Inquiry has the exhibits that relate to them.
20	There is much that went well in Wales in terms of
21	discussions about procurement. Thus, Wales benefited
22	greatly from the work of the National Procurement
23	Network, which brought together the heads of procurement
24	from each of the 22 Welsh authorities and was
25	specifically concerned with the issues which this module
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1	Much of the planning is undertaken in cross-public
2	sector partnership and will include plans for care homes
3	and the wider care sector.
4	Medical provision is the responsibility of the NHS
5	in Wales, and pandemic stocks for emergency supplies of
6	medical equipment and supplies are procured, stored and
7	distributed by NHS.
8	Reflecting on the experiences of Covid-19 pandemic
9	and the importance of securing supplies of PPE for
10	Wales, WLGA would expect to see the procurement sector
11	included within any future exercises.

	included manifully fathere exercises.
2	Inevitably, without national preparatory exercises
3	in Wales, there was a significant tension between the
ŀ	work of the government to support the NHS in Wales, and
5	an equivalent urgency being given to the needs of local
6	government.
,	Moreover, guidance on the way to approach these
3	needs was missing or inadequate and did not initially
)	help to resolve the tension. Local authorities were
)	therefore left to their own devices to ensure adequate

procurement, placing their own orders and chasing their leads.

Dr Llewelyn points out that this also led to

- 4 problems of a very specific kind, because non-compliant
- 5 stock was sometimes supplied and price gouging occurred.
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1	Individual councils therefore had to be alert to risks
2	involved in their own procurement decisions, balancing
3	cost and size of order in the context of rising demand
4	and prices. Of course, it left councils open to
5	exploitation and at risk of receiving poor quality
6	stock.
7	In the context of a worldwide pandemic, this was
8	very far from an optimal approach, setting England and
9	Wales in conflict, though, fortunately and very much to
10	their credit, there was a spirit of cooperation between
11	Welsh authorities.
12	Dr Llewelyn notes the analysis of Professor James
13	Downe of Cardiff Business School:
14	"There is no doubt that nationally coordinated
15	collective response would have helped mitigate the
16	problems of supply and price of PPE. The initial phase
17	of council working independently to procure PPE
18	continued for far too long before cross-sector
19	collaboration was put in place. It was argued that it
20	was only when NHS supplies were stabilised that the
21	Welsh Government attention turned to the care sector.
22	"Local [authorities] did their best in sharing
23	information about suppliers and did not seem to abuse
24	the system by procuring more than their 'fair share'.
25	Rather than there being competition between councils,
	157
1	receipt of care."
2	The Inquiry is therefore asked to recommend that in
3	the preparation for another pandemic, WLGA is closely
4	involved, Welsh Government ensures that local government
5	is not required to manage risks on a piecemeal basis
6	and, finally, that there is a parity of preparation for
7	the needs of both the NHS and local government.
8	Thank you, my Lady. We continue to assist in this
9	Inquiry.
10	LADY HALLETT: Thank you very much indeed, Ms Stober.
11	Ms Hannaford.
12	Submissions on behalf of the Cabinet Office by
13	
14 15	MS HANNAFORD: Thank you, my Lady.
15	This is the opening statement on behalf of the Cabinet Office. The Cabinet Office, including
17	Number 10, remains committed to assisting the Inquiry's
18	investigations across all modules. It continues to
10	0
20	provide assistance to both ministers from the previous administration and to current and former civil servants.
20 21	so as to ensure that the Inquiry is provided with the
21 22	best evidence available.
22	The Cabinet Office has provided extensive material
23 24	to assist the Inquiry's investigations in this module.
24 25	This has included three detailed written corporate
20	159

1	the ethos was one of working together and sharing
2	intelligence. There were also examples of cross-border
3	working as masks were received in Wales from Scotland in
4	April 2020 and Wales sent a consignment of masks to NHS
5	England in May 2020 as part of the Mutual Aid Scheme.
6	Overall, more stock was provided by Wales to other
7	countries than they received.
8	"There are lessons to be learned around supply,
9	particularly the resilience on international supply
10	chains and the risks involved in these chains breaking
11	down. Welsh councils generally found that their
12	pre-pandemic framework suppliers did not deliver. It
13	was the off-framework suppliers who provided better
14	pricing, availability and were able to work smarter and
15	deliver products. There are case studies of good
16	practices in onshore production of PPE in Wales,
17	including RotoMedical, which has provided Welsh-made
18	face coverings at scale for pupils in Welsh schools.
19	Dr Llewelyn concludes:
20	" In the eventuality of a future pandemic, the
20	WLGA considers it imperative that these working
22	arrangements be reached in a much shorter time frame,
23	minimising the risks borne by individual local
23	authorities and their procurement expertise, and
25	reducing potential harm faced by those providing and in
20	158
1	witness statements from Gareth Rhys Williams, then the
2	Government Chief Commercial Officer, Clare Gibbs,
3	currently the Joint Interim Government Chief Commercial
4	Officer, and Mark Cheeseman, Chief Executive of the
5	Public Sector Fraud Authority. These statements are
6	supplemented by significant disclosure and support for
7	number of individual witnesses.
8	The Cabinet Office recognises that there has been
9	significant public interest in procurement during the
10	pandemic, including allegations of fraud and cronyism.
11	It takes these allegations seriously, and is keen to
12	receive the Inquiry's findings. The government is
13	committed to introducing a duty of candour on public
14	authorities, to improve transparency and accountability,
15	and has appointed a Covid Counter-Fraud Commissioner.
16	We encourage the Inquiry to consider the changes the
17	government is already making when formulating its

government is already making when formulating its recommendations.

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The scale of the challenge posed by the pandemic was unique in peacetime. This included the need for the government to source significant volumes of key goods and services with extreme urgency, in an environment of considerable international market disruption and competition. For example, up to 20 times the normal volume of PPE

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1	was needed. Commercial professionals bought essential
2	equipment for frontline health and social workers, and
3	enabled a national testing network to be set up from
4	scratch.
5	Staff sought to secure deals with scarce PPE in
6	order to allow the NHS to continue to function. There
7	were pressures on them to reassure ministers, the press,
8	and the broader public, that the system was working and
9	that they were moving with speed.
10	The work undertaken by Cabinet Office staff was wide
11	in scope, carried out at great pace, in improvised and
12	usually virtual teams, and facing unprecedented market
13	conditions. This activity supported our ability to
14	combat the virus, supported the NHS, and ultimately
15	helped protect the public.
16	Ministers and officials from the Cabinet Office had
17	key roles in for meeting and executing procurement
18	during the pandemic. First, Cabinet Office ministers,
19	including the Prime Minister, with support from
20	officials, provided a strategic response.
21	Second, the Cabinet Office provided the public
22	sector with prompt guidance on policy applicable in
23	emergency procurement.
24 25	Third, the Cabinet Office directly led one element of procurement activity, the Ventilator Challenge.
20	161
1	regulation 32 particularly when time was limited
1 2	regulation 32, particularly when time was limited, because the small amount of available stock would
1 2 3	because the small amount of available stock would
2	because the small amount of available stock would otherwise be sold to competing countries.
2 3 4	because the small amount of available stock would
2 3	because the small amount of available stock would otherwise be sold to competing countries. As to the operational response, firstly ventilators. The Cabinet Office led the Ventilator Challenge, an
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2 3 4 5 6 7	because the small amount of available stock would otherwise be sold to competing countries. As to the operational response, firstly ventilators. The Cabinet Office led the Ventilator Challenge, an initiative to design and build new ventilators in the UK. Immediately prior to the pandemic there were no
2 3 4 5 6 7 8	because the small amount of available stock would otherwise be sold to competing countries. As to the operational response, firstly ventilators. The Cabinet Office led the Ventilator Challenge, an initiative to design and build new ventilators in the UK. Immediately prior to the pandemic there were no intensive care ventilators made in the UK. In
2 3 4 5 6 7 8 9	because the small amount of available stock would otherwise be sold to competing countries. As to the operational response, firstly ventilators. The Cabinet Office led the Ventilator Challenge, an initiative to design and build new ventilators in the UK. Immediately prior to the pandemic there were no intensive care ventilators made in the UK. In March 2020 DHSC anticipated that up to 90,000 patients
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And fourth, Cabinet Office commercial staff were 1 2 redeployed from their normal role to support DHSC and 3 the NHS on other key procurement activities of interest 4 to this Inquiry, including PPE and testing. 5 Public sector procurement is required to be carried 6 out in accordance with the Public Contracts Regulations 2015. It was apparent at the outset of the pandemic 8 that the time needed to execute competitive procurement q procedures under the regulations in many cases would not 10 enable the government to procure items or services at 11 the pace required. For example, a competitive dialogue procedure typically takes months to complete. 12 13 The Cabinet Office issued a Procurement Policy Note 14 in March 2020 explaining the options available to 15 procure correctly at the necessary speed. These 16 included the use of accelerated procedures, the use of 17 existing frameworks, and the use of the flexible 18 emergency procurement procedure provided by 19 regulation 32, which allows direct awards of contracts 20 for cases of extreme urgency brought about by 21 unforeseeable events where the usual time limits cannot 22 be complied with, exactly the situation the UK found 23 itself in when competing with other countries to obtain 24 globally scarce PPE. 25 It was frequently necessary to rely on 162

pre-pandemic stockholding and the supply chains of the suppliers who had been used before the pandemic. These suppliers struggled to fulfil existing orders and could not respond to the sudden and enormous leap in demand. In addition, the existing systems and structures of the principal buying organisation, SCCL, were not designed to cope with the many new suppliers.

DHSC set up a Parallel Supply Chain to radically increase capacity. A Cabinet Office team was deployed 10 to set up the buying arm of the Parallel Supply Chain, 11 the PPE Buy Cell, on around 21 March 2020. This team quickly grew to almost 800 people, including over 50 12 13 from the Cabinet Office. More than 18 billion items of 14 PPE were ordered in 15 weeks of operation.

15 The UK buy stream, one of the four buying streams in 16 the Parallel Supply Chain, received thousands of offers 17 from suppliers all over the world. These potential 18 suppliers were instructed to fill in a web form. The 19 number of offers quickly exceeded the capacity of the 20 PPE Buy Cell to process them, some 3,000 by 21 7 April 2020, and 25,000 over the 15 week period of the 22 Buy Cell. 23 Many such suppliers, some frustrated by what they 24 saw as delays in processing their offers, appealed to

25 their MPs, to ministers and to the DHSC and NHS

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1	officials directly, and this resulted in requests for	1	PestFix and Ayanda, would have very likely resulted in
2	follow-up.	2	the award of contracts, whether on the High Priority
3	Those MPs and senior officials often, in turn,	3	Lane or not, based on the merits of the offers. It will
4	contacted the Buy Cell to find out what had happened to	4	obviously be for the Inquiry to reach its own
5	the offer. Referrers wanted to know that good offers	5	conclusions on the evidence of the different witnesses.
6	were being picked up and processed. The pressure of	6	The Cabinet Office at this point notes the following
7	responding to these requests took up significant	7	key points: firstly, the priority and non-High Priority
8	resources within the Buy Cell. These two routes, direct	8	Lane were both methods of entry into the Buy Cell. They
9	email and the web form, were in place at the beginning	9	constituted only the first stage, an initial check or
10	of April. The direct email route became what is now	10	opportunity stage. If considered worthwhile, offers
11	known as the High Priority Lane, which, in addition to	11	were passed through technical assurance and subseque
12	checking opportunities, worked as a handling team to	12	processes and then approval. These stages were
13	respond to the requests and to absorb the pressure.	13	independent of the High Priority Lane and applied to
14	There has been a significant amount of criticism of	14	both High Priority Lane and non-high Priority Lane
15	the High Priority Lane and suggestions made that it was	15	opportunities.
16	a method for minister's associates to obtain contracts	16	Second, a range of people referred offers to the
17	improperly. This is dealt with in the Cabinet Office's	17	High Priority Lane, including parliamentarians from the
18	corporate witness statements.	18	majority party at the time, as well as other parties,
19	Cabinet Office acknowledges that the judgment in the	19	doctors, union officials and health service managers.
20	PestFix judicial review proceedings considered the	20	And thirdly, those cases on the High Priority Lane
21	question of whether there had been unequal treatment by	21	which obtained contracts did so because they passed
22	use of the High Priority Lane. The judgement stated	22	technical assurance and were selling required goods for
23	that the use of the High Priority Lane breached equal	23	an appropriate price.
24	treatment rules, although also stated that the specific	24	Almost 90% of suppliers referred through the High
25	offers considered in the judicial review, that's from	25	Priority Lane were unsuccessful, and whilst
	165		166
1	proportionately more offers on the High Priority Lane	1	Three key points in relation to lessons learned.
2	received contracts than those on the non-High Priority	2	The Cabinet Office faced a number of difficulties,
3	Lane, many of the offers on the non-high priority stream	3	including data collection, lack of stockpile, and the
4	were of poor quality.	4	challenging number of offers to the Buy Cell. The
5	Thirdly, testing. In March 2020, the effective	5	appropriate solution, therefore, for the future,
6	capacity to perform Covid-19 tests in the UK was	6	requires careful weighing up.
7	estimated at 3,000 per day. The Secretary of State for	7	Secondly, procurement regulation, as a result of
8	Health and Social Care set a goal to be able to perform	8	learnings for emergency procurement, changes were
9	100,000 tests by the end of April 2020. A Cabinet	9	incorporated into the Procurement Act 2023 to equip the
10	Office team supported DHSC in buying equipment,	10	government to respond to future large-scale emergencie
11	consumables and services to achieve this goal and	11	effectively.
12	provided commercial leadership for the NHS Test and	12	Then, thirdly, tackling fraud. The pandemic
13	Trace organisation until August 2020.	13	prompted efforts to strengthen the government's respons
14	Expert evidence. The Inquiry has commissioned its	14	to public sector fraud, including the PSFA, launched in
15	own experts to provide their views on both procurement	15	August 2022. In December 2004, the government appoi
16	during the pandemic and wider supply chains landscape.	16	a counter-fraud commissioner.
17	Although we have expressed some concerns about	17	And finally, the Public Authorities (Fraud, Error
18	Professor Sanchez-Graells's report, we have welcomed the	18	and Recovery) Bill intends to safeguard public money by
19	opportunity to provide comments on the draft reports and	10	reducing public sector fraud, error and debt.
20	encourage the Inquiry to consider these comments in	20	So, in conclusion, the nature and scale of the
20 21		20 21	
21 22	detail alongside the evidence.	21	challenge was unprecedented in peacetime for
	Three key points in relation to lessons that can		procurement. Responding to this challenge required
23	LADY HALLETT: I'm afraid I'm going to have to ask you to	23	a sustained effort by commercial staff to support the
1	bring it to a close.	24	NHS. The Cabinet Office welcomes the opportunity to
24 25 I	MS HACKER: My Lady, yes.	25	contribute evidence to this module, and is keen to learn

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1	lessons that will enable an effective commercial	1	ç
2	response to any future such emergency.	2	i
3	Thank you.	3	
4	LADY HALLETT: Thank you Ms Hannaford.	4	i
5	Last, but definitely not least, Ms Idelbi.	5	ł
6	Submissions on behalf of UK Health Security Agency by	6	i
7	MS IDELBI	7	١
8	MS IDELBI: Thank you, my Lady. I appear on behalf of the	8	C
9	United Kingdom Health Security Agency, or UKHSA, as	9	t
10	I will refer to the agency. In this module about	10	I
11	procurement, the Inquiry has asked us to assist on the	11	
12	procurement of Covid-19, polymerase chain reaction	12	â
13	tests, referred to as PCR tests, those that have to go	13	(
14	to a lab for processing, and lateral flow tests,	14	0
15	including, in particular, lateral flow antigen tests,	15	I
16	LFD tests, which through their wide use through the	16	I
17	pandemic we will all be familiar with, some of us may	17	I
18	have a box or two at home.	18	
19	An issue that my Lady will be considering in this	19	١
20	module is whether the adequate balance was achieved	20	t
21	between speed, quality and cost.	21	(
22	That is an important question but it is one that	22	á
23	must be viewed in light of the circumstances at the	23	0
24	time, which are, such as your Ladyship has heard, the	24	
25	need to buy in high volumes, at speed, in the face of 169	25	ł
1	NHS Test and Trace. In January 2020, PHE worked at	1	t
2	exceptional speed with international collaborators to	2	(
3	succeed in developing a Covid-19 PCR assay that went on	3	t
4	to underpin commercial Covid-19 PCR tests globally.	4	I
5	Additionally, PHE evaluated a variety of proposed	5	
6	Covid-19 tests, including starting in late summer 2020,	6	(
7	90 different types of LFD tests in five months.	7	â
8	NHS Test and Trace was established on 28 May 2020 to	8	
9	lead an at-scale testing and tracing service which	9	t
10	included making testing available at speed to meet the	10	5
11	government's announced testing targets.	11	t
12	From September 2020, NHS Test and Trace established	12	١
13	a dedicated commercial function to undertake the work to	13	ł
14	get tests to the public.	14	(
15	Being able to identify whether somebody is	15	t
16	infectious is critical because it allows for a better	16	
17	use of mitigation measures, particularly when there is	17	τ
18	no established vaccine or known treatment.	18	(
19	Identifying the infected and infectious cases by the	19	F
20	use of PCR tests in the NHS workforce was aimed not only	20	
21	at maintaining the health of those workers themselves, but also facilitating the continuing availability of NHS	21	\ -
~~		22	
22		<b>^</b> 2	
23	key workers to support the early response in 2020.	23 24	ι
		23 24 25	l

global competition, across disrupted supply chains, and in the context of an ever-changing new virus. That context, when considering this question, includes the unique challenges experienced in the procurement of tests: that tests had to be integrated into complex distribution and digital systems; that the way testing would be used was subject to continuous debate and changing policies; but, most critically, that, at the outset of the pandemic, a Covid-19 test did not exist. Tests had to be designed, developed, validated, authorised, before they could be commercially rolled out. So, in this extraordinary emergency, if the quality of a test must meet a minimum efficiency requirement, and if the loss of speed risks greater losses in humans and economic terms, how should cost be regarded in the balancing exercise? As UKHSA said before, in lessons to be learnt now, we must acknowledge that risk appetites change. After the emergency, the question is what systems need to be developed for a better response in the future that can achieve an adequate balance between speed, quality and cost, regardless of the infection pathogen. UKHSA, in October 2021, brought together the health protection elements of Public Health England, PHE, and 170 to 2 million infections, and part of that capability came from the rising availability of LFD tests, which then paved the way to reduce restrictions until the rollout of effective vaccines. Getting to that point needed the confidence to consider and progress novel technologies to evaluation, accepting that not every option may yield success. As with vaccines, the human and financial costs of the pandemic framed a political risk appetite to make significant investments in testing technologies, but if the next pandemic were to involve a different pathogen with different characteristics to Covid-19, the political, commercial and operational responses may be different. Science may offer different types of testina So if that future pandemic requires a very different type of test, how does one identify that test more quickly, so that robust, commercial and operational processes can be established with parallel speed? It's important to acknowledge that any preparatory work is understandably framed by funding priorities. The cost of an always on, always ready system is unlikely to represent value for money for the public. UKHSA is building systems that are pathogen agnostic and scalable, so that it can use those systems and its

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1	knowledge to respond to a new emerging infection.
2	Similarly, UKHSA invites the Inquiry to consider
3	recommendations that are pathogen agnostic, taking into
4	account the benefits that the Procurement Act may be
5	able to offer.
6	You and your team, as well as the Core Participants,
7	will have our written submissions, and I do not propose
8	to read them out. Rather, given the importance rightly
9	placed on lessons learnt and noting the time, I want to
10	highlight three key themes which have particular
11	resonance for the future.
12	Firstly, a need to foster partnerships.
13	Collaboration between government departments, four
14	nations, the private sector, and academia were critical
15	to the development and procurement of PCR and LFD tests.
16	Innovative science requires collaboration and
17	significant public and private sector funding.
18	Accordingly, UKHSA's commercial strategy highlights as
19	a first priority establishing a range of partnerships to
20	benefit from different kinds of collaboration.
21	Secondly, transparency. Transparency enhances
22	internal confidence and oversight over contract awards,
23	industry confidence in UKHSA as a partner, and of course
24	public confidence. UKHSA prioritises transparency.
25	The Inquiry will consider the question: in what 173
1	of the workforce later. Finding the adequate balance
-	

2	will involve challenging choices for elected decision
3	makers on the appropriate funding available, and
4	recommendations will need to reflect that delicate
5	exercise, and be aligned across the commercial functions
6	in government, who will again have to work together in
7	a future pandemic for an effective pandemic procurement
8	response.
9	My Lady, those are the submissions on behalf of
10	UKHSA.
11	LADY HALLETT: Thank you very much indeed, Ms Idelbi, very
12	grateful.
13	I think that completes all the submissions.
14	Mr Wald you don't wish to say anything further?
15	Very well, I'd like to thank everybody, both those
16	who have made the oral submissions and the written
17	submissions. Despite the reservations expressed by
18	some, I feel confident that together we can investigate
19	fully, fairly, and openly the relevant issues that this
20	module presents, and if any improvements need to be
21	made, that I can make the necessary recommendations.
22	So I shall return tomorrow morning at 10.00.
23	Thank you very much.
24	(4.36 pm)
25	(The hearing adjourned until 10.00 am the following day) 175

1	circumstances might a prioritisation system assist in
2	the procurement of key healthcare equipment and supplies
3	in an emergency?
4	Clearly, a system aimed at ensuring that offers of
5	quality products are not missed when working at speed is
6	important. But the value of such systems will be better
7	understood when they are transparent, and the routes to
8	entry for suppliers are clear for all.
9	UKHSA's commercial strategy is aimed at making it
10	easier for businesses of all sizes and sectors to access
11	opportunities to work with UKHSA, whether established
12	international corporations or innovative start-ups,
13	facilitating transparency in the contracting process.
14	And thirdly, commercial capability and expertise.
15	As I've said, the successful procurement and deployment
16	of tests required contribution of scientists, academics,
17	and industry and, of course, many professionals in the
18	commercial and operations teams whose efforts need to be
19	acknowledged.
20	The task demanded a huge workforce, one that would
21	not be cost effective to maintain beyond a pandemic.
22	UKHSA's commercial work includes assuring exercise giant

- 23 scaling capacity if a surge workforce is needed again.24 Planning for a surge workforce itself involves
- 25 balancing the cost now against the impact on the quality 174

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34/9 68/19 7/84 7/89 3/4         59/2         18 [1] 4/2/10         55/13 6/0 3/9 50/2         12 6 billion [1] 4/2/3           97/14 97/19 7/14 /2         14 billion [1] 15/2         18 [1] 4/2/10         55/13 6/0/20 60/23         27 February [1]           97/16 97/12 97/15         14 billion [1] 12/2         18 [1] 4/2/10         57/13 6/0/20 60/27         27 February [1]         27/15           12/81 813/11 41/10         16 [1] 2/2/1         18 [1] 4/2/10         57/13 6/0/20 60/27         27 February [1]         27           14/9/11 14/2/10         18 [1] 4/2/10         57/13 6/0/20 60/27         58/13 60/20 60/27         27 February [1]         27           12/8/13 13/11 14/1/10         16 [1] 4/2/2         57/13 6/0/20 60/27         58/13 60/20 60/27         27 February [1]         49/12           13/14         140/12         21/2/2         21/3 10/17         10/14 4/22         49/12         49/12         49/12           13/14         110/20 [1] 52/12         16/17 80/12         27         28 billion [1] 4/2/3         49/12         28 billion [1] 4/2/3         28 billion [1] 4/2/3 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
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149/1 149/1 5201       10 0 April [1] 28/12       43/18 69/1 78/10       10/7/3 107/17 109/9       18/19       11/19         167/23 163/4 175/11       10,000 [1] 32/15       8/16 87/19 107/6       10/24 113/1 12/31       25/3 12/56 12/6/16       28 July [1] 4/9/8         13/14       10.000 [1] 32/15       10/2/15       13/16 13/22       12/53 12/56 12/6/16       28 July [1] 4/9/8         12/13       10/13 10/17       10/13 10/17       13/14       13/14       13/14       25/3 12/56 12/6/16       28 July [1] 4/9/8         12/12       10/15/26       10/15/26       11/19       11/19 14/12/5 14/21       13/15 13/12 13/62 12/16       28/12 14/11       25/12 14/11       26/12 14/16       28/12 14/11       26/12 14/16       28/11 14/11       26/11 14/11       <	128/18 133/11 141/10				
10/12 1036* 07         10 billion [1] 115/1         87/16 87/19 107/16         109/24 113/1 122/13         122/13         123/14         121/13         112/13         112/14         123/14 </td <td>149/11 149/15 159/10</td> <td></td> <td></td> <td></td> <td></td>	149/11 149/15 159/10				
Instruct. [1]       10,000 [1] 92/15       108/20 112/18 113/3       125/3 126/5 126/16       22 June 2022 [2]         MR MITCHELL: [1]       10.000 [1] 17/2       113/25 (24/18 130/2)       126/13 126/5 126/16       22 June 2022 [2]         MR SMITH: [1]       10.30 [1] 17/2       113/25 (24/18 130/2)       126/13 127/1 13/21       12/3 136/2       12/2 May [2] 43/10         MR SMITH: [1]       10.30 [1] 17/2       114/16 14/15 (24/16 136/2)       12/2 May [2] 43/10       12/2 May [2] 43/10         MR SMALD: [2] 2/18       100 days [1] 5/6       107/16 16/11 71/16       13/25 (14/11 71/16)       12/2 [1] 21/11         MR WALD: [2] 2/18       101 Logistic [1]       17/13 171/1 171/6       13/17 171/171/16       3       3000 [1] 2/10 (1] 29/12         MR WALD: [2] 2/18       114 [1] 32/1       118/21       117/12       171/24       13/05 [1] 2/10 (1] 29/12       30.00 [1] 2/11 (1/10 (2))       30.00 [1] 2/11 (1/10 (2))       30.00 [1] 2/11 (1/10 (2))       30.00 [1] 2/11 (1/10 (2))       30.00 [1] 2/11 (1/10 (2))       30.00 [1] 2/12 (1/11 (1/10 (2)))       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14       30.00 [1] 3/14	167/23 169/4 175/11				
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120/16         10.3 [T] 99/12         14/16 9 14/25 142/15         137/23 140/20 147/16 17/16           MR SMITH: [1]         10.0 [1] 1/2         149/0 153/6 156/8         150/19 151/2 156/4         288 [T] 2/1/11           104/12         100 days [1] 5/6         100 million [1] 4/24         17/13 171/4 171/6         158/5 162/14 163/9         288 [T] 2/1/11           104/12         100 days [1] 5/6         100 million [1] 4/24         17/13 171/4 171/6         158/5 162/14 163/9         288 [T] 2/1/11           1167/9         177/2 177/6 177/6         17/8         17/12 171/6         17/8         285 [T] 2/1/11           11 65/3         167/9         177/8 171/12 77/6         17/8         16/21 167/7         3         3million [1] 59/12           3/4/20         1169/3         17/25         17/25         17/25         3/15 [T] 128/10         3.30 [Z] 128/9 128/12           11 159/14         11 145 [T] 33/23         115 [T] 13/2         2/16 [T] 128/17         2/17/2         30 June 2020 [T] 5/7         30 June 2020 [T] 5/7           167/2         11 11/2         12 42/10 0 89/14         2/70 [T] 128/7         2/26 [T] 17/2         30 June 2020 [T] 15/7         30 June 2020 [T] 15/7           11 159/14         12 0 0 [T] 3/4/1         2/17 17/2         2/17 11/2         2/17 11/2         2/17 11/2					
Ink Simith. [1]       10.30 [1]       12/3       149/6 153/6 156/8       150/19 151/2 158/4 122/14 128/11 235 [1] 21/10         MR STANTON: [1]       100 days [1] 5/6       167/6 159/12 170/8       158/5 156/24 163/9       288 [1] 21/11         MR WALD: [2] 2/18       100,000 [2] 43/22       177/3 171/4 171/6       158/5 162/4 163/9       298 [1] 21/10         MR WEATHERBY:       101 Logistic [1]       128/17       177/2 171/1 171/8       171/2 171/1 171/8       3 million [1] 59/12         MS CAMPBELL: [1]       111 [1] 3/21       19 Peruary [1]       171/2 171/2 171/2 171/2 171/2 170/2       3 million [1] 59/12         MS CAMPBELL: [1]       114/5 [1] 3/16       91/5 140/20       177/1       171/12 171/2 171/2 170/2       3 million [1] 59/12         MS DACKETY: [3]       112 million [2] 170/2       2       2       112/3       3 million [1] 50/12       3 march [3] 17/2         MS HACKET [1]       12 [2] 42/10 89/14       2.7 million [1] 42/14       2.96 pm [1] 142/14       202 [1] 20/12       202 [1] 20/12       202 [1] 20/12       202 [1] 20/12       202 [1] 20/12       200 [1] 30/14       202 [2] 30/14       20/42/22         MS MACKET [1]       13 March [2] 40/15       20 000 [1] 49/32       20 [1] 78/5       20.000 [1] 49/32       20 [1] 14/1       20 [2] 30/14/3       20 [2] 30/14/3       20 [2] 30/14/3       20 [					
11253       100 days [1] 5/6       167/6 169/12 170/9       158/5 162/14 163/9       29.2 [1] 9/8         104/12       100 million [1] 42/2       17/3 171/4 171/6       163/7 163/23 164/11 23/23       129/14       129/14       129/14       163/7 163/23 164/11 23/23       129/14       129/14       163/7 163/23 164/11       163/7 163/23 164/11       129/14       163/7 163/23 164/11       163/7 163/24       163/7 172/14       163/7 172/14       163/7 163/24       170/7 172/14       171/7 172/7 172/14       171/7 172/7 172/14       171/7 172/7 172/14       171/7 172/7 172/14       171/7 172/7 172/7 172/14       171/7 171/7 171/7 171/7 171/7 171/7 171/7 171/7 171/7 171/7 171/7 171/7					
Ink S TANTON: [1]         100 milion [1] 4/24         171/3 171/4 171/6         163/17 163/23 164/11 295 [1] 21/10           MR WALD: [2] 2/18         100 milion [1] 4/24         171/3 171/4 171/6         163/21 164/11 295 [1] 21/10           MR WALD: [2] 2/18         101 Logistic [1]         19 February [1]         171/3 171/1 171/6         3           MR WALD: [2] 2/18         11 [1] 3/1         19 February [1]         171/2 171/2 171/2 171/2         3.000 [1] 29/10 43/21           MS CAMPBELL: [1]         11 [1] 3/21         19 March [3] 51/7         11/25         200 [1] 21/12         2021 [16] 171/2         3.000 [2] 12/20 103/21           MS BACKER [1]         12/71         201 [1 1/25/7         21/72         21/72         21/72         21/72         21/72         21/72         21/72         21/72         20/71         20/21 [13/24         3.00 [2] 12/24/2         20/71         20/21 [1] 3/2         20/71         20/21 [1] 3/2         20/71         20/72         20/71         20/72         20/71         20/72         20/71         20/72         20/71         20/72         20/71         20/72         20/71         20/72         20/71         20/72         20/71         20/72         20/71         20/72         20/71         20/72         20/71         20/72         20/71         20/72 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
104/12         100,000 [2] 43/22         172/12 176/6 176/6         164/21 167/5 167/9           34/20         101 Logistic [1]         176/10         167/13 171/11 171/6         3           MR WALTHERBY:         101 Logistic [1]         19 February [1]         171/8 171/12 171/23         3.000 [2] 29/10 43/21           MS CAMPBELL: [1]         111 [1] 3/21         19 February [1]         171/8 171/12 171/23         3.001 [2] 29/10 43/21           MS CAMPBELL: [1]         111 [3/21         19 February [1]         12021 [16] 171/24         3.000 [2] 12/9 12/9/12           MS CAMPBELL: [1]         111 [2] 32/1         19 February [1]         102/1         2021 [16] 171/24         3.00 [2] 12/9 12/9/12           12/8/14 12/8/17 128/21         115 [1] 33/23         2 million [1] 12/7         201 [1] 12/7         3.00 March 2020 [1] 5/7           167/25         115 [1] 33/23         2 million [1] 41/2         2.06 [1] 78/8         3.06 [1] 31/4         30.000 [2] 12/9 12/9/12         3.06 million [1] 41/2         2022 [10] 225 42/22         40/4           167/15         20 March [1] 13/14         13.000 [1] 3/23         3.000 [1] 3/2         3.000 [1] 3/2         3.000 [1] 3/2         3.000 [1] 3/2         3.000 [1] 3/2         4/2/2         3.000 [1] 3/1         3.000 [1] 3/2         3.000 [1] 3/2         3.0000 [1] 3/2         3.000 [1] 3/2         <					
NRK WALD: [2]         Z/16         157/9         1         176/10         167/13         171/14         171/16         3         million [1]         59/12           MR WEATHERBY:         101 Logistic [1]         23/15         13/21         171/8         171/13         171/13         171/13         171/13         3         million [1]         59/12         3,000 [4]         29/10         43/21         171/24         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25         171/25					<u> </u>
34/20         101 Logistic [1]         19 February [1]         171/8 171/21 171/23         3 million [1] 59/12           11 69/3         19/21         19/21         19/21         19/21         30/00 [4] 29/10 43/21           18/21         11/25         19/21         19/21         19/21         20/21 [16] 17/24         30/00 [4] 29/10 43/21           18/21         12/21         19/21         19/21         20/21 [16] 17/24         30/00 [1] 29/12         30/21 [28/21/01         16/20 [16/77           17/25         115 [1] 33/23         115 [1] 128/14         20/21 [10/27         30/110 [10/21 [10/27         30/110 [10/21 [10/27         30/110 [10/21 [10/27         30/110 [10/21 [10/27         30/110 [10/21 [10/27         30/110 [10/21 [10/27         30/110 [10/21 [10/27         30/110 [10/21 [10/27         30/110 [10/21 [10/27         30/110 [10/21 [10/27         30/110 [10/21 [10/21 [10/27         30/110/21 [					3
Nik WCATHERBT: [1] 69/3         23/15         23/15         18/21         17/124         3.000 [a] 29/10 43/21           MS CAMPBELL: [1] MS CAMPBELL: [1] MS DOHERTY: [3] [28/14 128/17 128/21         11 [1] 3/21         19 March [3] 51/7         2021 [16] 17/24         3.000 [a] 29/10 43/21           MS CAMPBELL: [1] MS LACKER: [1] 167/25         11 [1] 33/23         19/5 140/20         27/11 80/10 80/14         3.30 [2] 128/9 128/12           MS HANAFORD: 11] 159/14         12 [2] 42/10 89/14         2,700 [1] 125/1         22/66 [1] 29/11         206/14 148/16 170/24         30 June 2020 [1] 5/7           MS MURNAGHAN: 11] 159/14         12 October [1] 52/22         2.66 [1] 78/5         136/21 36/21 36/21         30.000 [2] 40/14           12 Weeks [1] 82/17         20 [1] 71/2         205 pm [1] 78/5         136/21 36/21         30.000 (3] 40/15           168/3         12 00 [1] 34/18         27 million [1] 59/14         2023 [3] 4/3 16/10         40/18 41/8           12 20 1[1] 14/14         13 million [1] 73/25         2025 [1] 1/1         30.000 [3] 40/15         40/18 41/8           13 millon [1] 73/25         201 [2] 11/12         2024 [1] 117/31         21 [1] 59/16         35 million [1] 63/1           14/14 149/18         13.2 [1] 99/10         21/25         21/25         223 [1] 62/11         42/23           14/16 11         13.4 <td></td> <td></td> <td></td> <td></td> <td>3 million [1] 59/12</td>					3 million [1] 59/12
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NB S CAMPELL: [1]       11 ÅE [1] 34/16       91/5 140/20       43/14 Å47 51/3 66/21       3.30 [2] 128/10         MS DOHERTY: [3]       112 million [2] 17/25       2       57/11 80/10 80/14       3.30 [2] 128/10 12/12         MS HACKER: [1]       115 [1] 32/21       21 [3 4/14 (27 51/24)       3.30 [2] 128/10 12/12       3.30 [2] 128/10 12/12         167/25       115 [1] 122/11       21 [2] 42/10 88/14       27/00 [1] 12/27       17/125       30 March 2020 [1]         169/3       12 billion [1] 42/24       2.946 [1] 29/11       2022 [10] 2/25 42/22       40/4       30 May 2022 [1]         169/3       13 66/11 52/22       2.05 pm [1] 78/5       30 f3 36/21 136/24       42/22       30,000 [3] 40/15         169/8       13 [2] 21/18 151/17       20 [1] 2/10       18/9       30,000 [3] 40/15       30,000 [3] 40/15         13 million [1] 73/25       13 million [1] 73/25       20 fmol [1] 80/25       203 [3] 4/3       30,000 [3] 40/15         14/9/14       13 3,000 [1] 42/5       20,000 [1] 49/3       21 [1] 8/13       30,000 [3] 40/15         13 million [1] 73/25       13 million [1] 73/25       20 00 million-items [1]       2022 [1] 1/1       30,000 (9) 40/15         13 3,000 [1] 42/5       20,000 [1] 43/3       21 [19/14]       30,7 [2] 33/11 33/23       31 January [2] 18/2         <					
1/6/12 MS DOHERTY: [3] 128/14 128/17 128/21       112 million [2] 17/25 17/25       57/11 80/10 80/14 87/5 89/7 90/2 109/24 30 [1] 31/4       30 [2] 128/9 128/12 87/5 89/7 90/2 109/24 30 June 2020 [1] 5/7 30 June 2020 [1] 5/7 30 June 2020 [1] 5/7 30 March 2020 [1]         MS HACKER: [1] 167/25       115 [1] 33/23 12 [2] 42/10 80/14 2 [2] billion [1] 42/24 2 [2] cotober [1] 52/24 2 [2] cotober [1] 52/24 2 [2] cotober [1] 52/24 2 [2] cotober [1] 52/24 2 [2] cotober [1] 52/14 2 [2] cotober [1] 2/10 2 [2] cotaber [1] 113/1 2 [2] cotaber [1] 2/10 2 [2] cotaber [1] 113/1 2 [2] cotaber [1] 2/10 2 [1] 2/10 2 [1] 2/10 2 [1] 2/10 2 [1] 2/10 2 [1] 2/10 2 [1] 2/11 2 [2] cotaber [1] 2/12 2 [1] 2/11 15/11 2 [2] cotaber [1] 2/12 2 [1] 2/11 15/11 2 [1] 2/12 2 [1] 2/11 15/11 2 [1] 2/12 2 [1] 2/11 15/11 2 [1] 2/12 2 [1] 2/11 15/11 2 [1] 12/12 2 [1] 2/11 15/11 2 [1] 12/12 2 [					<b>3.15 [1]</b> 128/10
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MS HACKER: [1]       115 [1] 33/23       27 minition [1] 125/7       126/7 14/91 6 1/02/4       30 March 2020 [1]       30 March 2020 [1]         MS HANNAFORD:       12 [2] 42/10 89/14       2,700 [1] 125/7       171/25       30 March 2020 [1]       30 March 2020 [1]         MS HANNAFORD:       12 [0] 14/24       2,946 [1] 29/11       2022 [10] 2/25 42/22       30 March 2020 [1]         MS IDELBI: [1]       12 October [1] 52/22       205 [1] 78/6       136/3 136/21 136/24       40/4         MS MURNAGHAN:       12 01/14 8151/17       20.05 [1] 78/5       143/20 168/15       30,000 [3] 40/15         MS PARSONS: [1]       31 January [2] 40/15       20 dimes [1] 160/25       2025 [1] 11/1       30.000 ventilators [1]         87/18       33.000 [1] 42/5       20 dimes [1] 160/25       2025 [1] 11/1       30.7 [2] 33/11 33/23       31 January [2] 18/2         92/18       92/18       200.000 [1] 49/3       21 [1] 89/13       31 January [2] 18/2         149/14 149/18       13.5 billion [1] 42/4       2006 [1] 160/25       223 [3] 52/11 15/1/1       32 [2] 16/21 16/3         13.2 [1] 99/10       32.2 [1] 99/10       2015 [1] 68/15       224 April [1] 48/3       38 [1] 49/20         33.8 billion [1] 42/4       2006 [1] 43/23       223 [3] 52/11 15/1/1       36 [1] 31/11       37 [2] 89/15 16/15				87/5 89/7 90/2 109/24	<b>30 [1]</b> 31/4
167/26       12 [2] 42/10 89/14       2,946 [1] 29/11       2022 [10] 2/25 42/22       30 Match 2020 [1]         MS HANNAFORD:       12 billion [1] 44/24       204 billion [1] 49/14       44/22 60/18 135/2       30,000 [3] 40/15         MS MUNNAGHAN:       12 0ctober [1] 52/22       2.05 [1] 78/5       30,000 [3] 40/15       30,000 [3] 40/15         MS MUNNAGHAN:       13 [2] 21/18 151/17       2.05 [1] 78/5       2.05 [1] 112/10       136/21 136/24       40/4         MS PARSONS: [1]       13 March [2] 40/15       2.05 [1] 112/10       2024 [1] 117/3       42/23         MS STOBER: [2]       13 million [1] 73/25       20,000 [1] 49/3       20 million-items [1]       2024 [1] 117/3       30.7 [2] 33/11 33/23         13,000 [1] 42/5       13,000 [1] 42/5       200 million-items [1]       201 [2] 16/12       201 million-items [1]       21/15         13,001 [1] 47/24       136,000 [1] 47/2       2000 [1] 43/23       22 [3] 52/11 154/11       36 [1] 31/11         13,000 [1] 42/2       138,600 [1] 39/7       2006 [2] 11/11       22 March 2020 [1]       16/13         14 [1] 77/8       134 [1] 42/2       2000 [1] 60/11       23 March [1] 47/4       36 [1] 13/14         138,601 [1] 47/24       2006 [2] 11/11       23 March [1] 48/3       38 million [1] 61/3         138,611 [1] 47/2       138,611		<b>115 [1]</b> 33/23		126/1 148/16 170/24	
MS HANNAFORD: [1] 159/14         12 Dillion [1] 44/24         2,946 [1] 29/11         2022 [10] 2/5 42/22         40/4           MS IDELB[1]         12 March [1] 92/12         2.04 billion [1] 44/12         2.05 [1] 78/8         136/3 136/21 136/24         42/22 60/18 135/2         30,000 [3] 40/15           MS IDELB[1]         12.00 [1] 34/18         13 [2] 21/18 151/17         2.05 [1] 78/8         136/3 136/21 136/24         42/22         30,000 [3] 40/15           MS MURNAGHAN:         13 [2] 21/18 151/17         13 March [2] 40/15         2.07 [1] 17/3         143/20 168/15         30,000 ventilators [1]           MS TOBER: [2]         13 million [1] 73/25         20,000 [1] 49/3         2025 [1] 1/1         30,7 [2] 33/11 33/23           MS STOBER: [2]         13,000 [1] 42/5         200,000 [1] 49/3         21 [1] 89/13         31 January [2] 18/2           MS STOBER: [2]         13,000 [1] 42/5         200,000 [1] 43/23         21 [1] 48/13         31 January [2] 18/2           MS STOBER: [4]         138,000 [1] 39/7         2005 [1] 60/1         22 April [1] 48/3         38 fillion [1] 3/1         37 banuary [2] 18/2           MS STOBER: [4]         14 [1] 77/8         2005 [1] 60/11         22 April [1] 48/3         38 fillion [1] 3/1         38 banuary [2] 18/2         38 banuary [2] 16/2         38 banuary [2] 16/2         38 banuary [2] 16/2         38 banu		<b>12 [2]</b> 42/10 89/14			
[1] 159/14       12 March [1] 92/12       2.05 [1] 78/8       136/3 136/22       30 May 2022 [1]         MS IDELEI: [1]       12 October [1] 52/22       2.05 [1] 78/8       136/3 136/21 136/24       42/22         MS MURNAGHAN:       13 [2] 21/18 15/17       20.05 [1] 78/8       136/3 136/21 136/24       30.000 [3] 40/15         MS PARSONS: [1]       13 March [2] 40/15       20.05 [1] 78/8       20.05 [1] 78/8       20.05 [1] 78/8       30.000 [3] 40/15         MS PARSONS: [1]       13 March [2] 40/15       20 March [1] 113/1       20 [1] 17/13       168/9       30.000 ventilators [1]         97/18       13 million [1] 73/25       20.000 [1] 49/3       201 [1] 160/25       2025 [1] 1/1       30.7 [2] 33/11 33/23         149/14 149/18       13.00 [1] 42/5       200 million-items [1]       21 [1] 89/13       31 January [2] 18/2         97/11 97/14 97/16       13.5 million [1] 74/14       2004 [1] 168/15       22 April [1] 48/3       36 [1] 31/1         14 [1] 77/8       12/125       2009 [1] 60/11       22 April [1] 48/3       38 5 million [1] 61/3         'buil [1] 39/24       14 billion [1] 3/1       2014 [1] 122/1       23 March [2] 89/16 15/11       36/61 [1] 49/20         'at [1] 157/24       14 billion [1] 3/1       2015 [1] 162/7       23,000 people [1]       38.5 million [2] 16/4/1					
Mis DELBI: [1] 169/8       12 October [1] 52/22       2.05 pm [1] 78/5       13/32/1 33/21       42/22       30,000 [3] 40/15         MS MURNAGHAN: [1] 141/14       20 esks [1] 82/17       2.05 pm [1] 78/5       2.03 pm [1] 78/5       143/20 168/15       30,000 ventilators [1]         MS MURNAGHAN: [1] 141/14       13 March [2] 21/18 151/17       20 March [1] 113/1       2023 [3] 4/3/16/10       168/9       30,000 ventilators [1]         MS STOBER: [2] 149/14 149/18       13,000 [1] 42/5       20,000 [1] 49/3       21 [1 89/13       31 January [2] 18/2         MS STOBER: [2] 149/14 149/18       13,000 [1] 73/25       20,000 [1] 43/3       21 [1 89/13       31 January [2] 18/2         MS STOBER: [2] 149/14 149/18       13.2 [1] 99/10       21/25       2000 [1] 43/3       21 [1 4/24       168/9       30,72 [3 3/11 33/23       31 January [2] 18/2         97/11 97/14 97/16       13 shillion [1] 4/24       2004 [1] 168/15       21 March 2020 [1]       18/13       38 [1] 49/20         '       138,500 [1] 3/1       2005 [1] 6/9       22 April [1] 48/3       38 5 million [1] 3/1       38 5 million [1] 13/2       136/25       4       4,000 ventilators [1]       136/25       4       4,000 ventilators [1]       136/25       4       4,000 v		12 March [1] 92/12			
169/8       12.00 [1] 34/18       12.00 [1] 34/18       2.07 [1] 141/14       2.03 [1] 159/14       2023 [3] 4/3 16/10       40/18 41/8         13 [2] 21/18 151/17       13 March [2] 40/15       20 March [1] 113/1       2024 [1] 117/3       42/13         87/18       13 million [1] 73/25       20 March [1] 160/25       200 million-items [1]       2025 [1] 1/1       30.7 [2] 33/11 33/23         87/18       13 million [1] 73/25       13.000 [1] 42/5       20 000 [1] 49/3       21 [1] 89/13       31 January [2] 16/2         149/14 149/18       13.2 [1] 99/10       21/25       20 000 [1] 43/23       21 [1] 89/13       31 January [2] 16/2         97/11 97/14 97/16       13.8 billion [1] 74/14       200 [1] 42/4       200 [1] 43/2       22 [3] 52/11 154/11       36 [1] 31/11         138 billion [1] 74/14       138 billion [1] 74/14       2005 [1] 6/9       22 April [1] 48/3       38.3 million [1] 71/12         138 billion [1] 74/14       144/24       2005 [1] 6/9       22 March 202 [1]       38.3 million [1] 61/3         14 billion [1] 3/17       2005 [1] 60/11       23 March [1] 147/16       38.6 million [1] 61/3         14 billion [1] 3/12       2014 [1] 132/24       23.000 people [1]       84/4         0.2 [1] 3/22       15 week [1] 164/21       2016 [1] 73/13       23,570 [1] 34/1       400 million [1] 49			<b>2.05 [1]</b> 78/8		
MS MURNAGHAN: [1] 141/14         12.00 [1] 34/18         20 [1] 2/10         20 [1] 2/10         168/9         30,000 ventilators [1]         42/23           MS PARSONS: [1] 87/18         13 march [2] 40/15         20 March [1] 113/1         2024 [1] 117/3         2025 [1] 1/1         2025 [1] 1/1         2025 [1] 1/1         2025 [1] 1/1         2025 [1] 1/1         2026 [1] 11/1         2026 [1] 11/1         2026 [1] 11/1         2026 [1] 11/1         21/25         200 million-items [1] 21/23         2025 [1] 4/1         36 [1] 31/1					
[1] 141/14       13 [2] 21/18 151/17       20 [1] 21/10       13 million [1] 13/1       20 [1] 21/10       20 [1] 11/12       200 [1] 49/2       200 [1] 49/2       200 [1] 14/2       200 [1] 14/2       200 [1] 16/11       20 [1] 16/11       20 [1] 11/12       20 [1] 11/14       20 [1] 11/12 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
MS PARSONS: [1]       92/18       20 times [1] 160/25       2025 [1] 1/1       30.7 [2] 33/11 33/23         87/18       3 million [1] 73/25       20,000 [1] 49/3       21 [1] 89/13       21 [1] 89/13       31 January [2] 18/2         149/14 149/18       13.2 [1] 99/10       21/25       21 March 2020 [1]       18/13       32 [2] 162/19 163/1         PROFESSOR       13.8 billion [1] 74/14       2004 [1] 168/15       21 March 2020 [1]       18/13       32 [2] 162/19 163/1         97/11 97/14 97/16       13.8 fold [1] 4/24       2004 [1] 168/15       22 April [1] 48/3       38 [1] 49/20         97/11 97/14 97/16       138 fold [1] 4/24       2006 [2] 11/11       22 March 2020 [4]       38.8 million [1] 3/1         138,000 [1] 39/7       2005 [1] 6/9       22 April [1] 48/3       38 [1] 49/20       38.8 million [1] 61/3         14 [1] 77/8       14 [1] 77/8       121/23       5/7 23/22 86/9 86/16       38.5 million [2] 136/4         14 49 billion [1] 3/1       2014 [1] 133/24       2014 [1] 133/24       23 March 2020 [1]       44/4         14 49 billion [1] 3/1       2015 [1] 162/7       23,000 people [1]       44/4       40,000 ventilators [1]         15,000 [1] 28/18       2019 [6] 4/4 21/9       24 February [1] 89/7       45 billion [1] 49/12       40 [2] 89/15 151/15         0.2 [1] 3/2					
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Ms S 10BER; [2]       13,000 [1] 42/5       200 million-items [1]       21 March 2020 [1]       18/13         149/14 149/18       PROFESSOR       13.2 [1] 99/10       21/25       200 million-items [1]       21 March 2020 [1]       18/13         97/11 97/14 97/16       13.8 billion [1] 4/24       2004 [1] 168/15       164/11       36 [1] 31/1       36 [1] 31/1         '       13.8 billion [1] 74/14       2004 [1] 168/15       154/24       376 billion [1] 3/18         '       138-fold [1] 4/24       2006 [2] 11/11       154/24       376 billion [1] 3/18         '       138-fold [1] 4/24       2006 [2] 11/11       21/23       272 March 2020 [4]       38.3 million [1] 61/3         '       14 [1] 77/8       121/23       2006 [1] 60/11       23 March 2020 [1]       38.5 million [2] 136/4         '       14 billion [1] 4/24       2014 [1] 162/7       23 March 2020 [1]       4/4         '       14 billion [1] 4/7       2015 [1] 162/7       23,000 people [1]       4/4         '       15 week [1] 164/14       2018 [1] 49/20       23,000 people [1]       4/4         0.2 [1] 3/22       15,000 [1] 28/18       2019 [6] 4/4 21/9       24 February [1] 89/7       400 [2] 89/15 151/15         0.2 [1] 3/22       15,367 [1] 11/12       15,367 [1] 11/12       20					
149/14 149/18       PROFESSOR         PROFESSOR       13.2 [1] 99/10       21/25       164/11       32 [2] 162/19 163/1         13.8 billion [1] 4/24       200,000 [1] 43/23       154/24       36 [1] 31/11       376 billion [1] 3/18         97/11 97/14 97/16       135 million [1] 74/14       2004 [1] 168/15       154/24       38 [1] 49/20         13.8 billion [1] 19/7       138 fold [1] 4/24       2006 [2] 11/11       22 April [1] 48/3       38 [1] 49/20         14 [1] 77/8       121/23       5/7 23/22 86/9 86/16       385 million [1] 14/7       386 million [1] 16/7         14 billion [1] 3/1       11 73/24       2009 [1] 60/11       23 March 2020 [1]       38.5 million [2] 136/4         14 wild [1] 39/24       164/11       2015 [1] 162/7       23,000 people [1]       38.5 million [1] 41/2         15 week [1] 164/14       2018 [1] 49/20       23,570 [1] 34/1       4.36 [1] 175/24         0       15,000 [1] 28/18       2019 [6] 4/4 21/9       24 February [1] 89/7       40 [2] 89/15 151/15         16.3/20       15,367 [1] 11/12       2020 [105] 2/24 4/4       24.2 [1] 99/6       400 [1] 29/13         1       16 [1] 21/18       18/5 18/13 21/1 21/9       24 March [1] 49/19       400 million [1] 21/22         1       16 [1] 21/18       18/5 18/13 21/1 21/9       2	MS STOBER: [2]				
PROFESSOR THOMAS: [4] 97/9 97/11 97/14 97/16       13.8 billion [1] 4/24 135 million [1] 74/14       200,000 [1] 43/23 2004 [1] 168/15       22 [3] 52/11 154/11 154/24       36 [1] 31/11 376 billion [1] 3/18 38 [1] 49/20         '       13.8 billion [1] 74/14       2004 [1] 168/15       22 April [1] 48/3       38 [1] 49/20         'bull [1] 20/19       14 [1] 77/8       121/23       2006 [2] 11/11       15/7 23/22 86/9 86/16       385 million [1] 61/3         'bull [1] 157/24       14 billion [1] 44/25       2009 [1] 60/11       23 March 2020 [4]       38.5 million [2] 136/4         'scially [1] 84/8       14.9 billion [1] 73/24       2014 [1] 123/24       2014 [1] 121/10       84/4       385 million [2] 136/4         'wild [1] 39/24       15 week [1] 164/14       2014 [1] 121/10       23,000 people [1]       84/11       4.000 ventilators [1]         0.2 [1] 3/22       15,000 [1] 28/18       2019 [6] 4/4 21/9       24 February [1] 89/7       4.5 billion [1] 49/12         0.2 [1] 3/20       15,367 [1] 11/12       2016 [1] 73/13       24/12       24 March [1] 133/4       40 [2] 89/15 151/15         1       15,000 ventilators [1]       16/14       2019 [6] 4/4 21/9       24 February [1] 89/7       4.5 billion [1] 49/12         1       16 [1] 21/18       18/5 18/13 21/1 21/9       25 [3] 77/8 89/19       41.2 billion [1] 21/22         <		· • •			
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9/7/11/9/7/14/9/7/10       138,000 [1] 39/7       2005 [1] 6/9       22 April [1] 48/3       38 [1] 49/20         '       138-fold [1] 4/24       121/23       2006 [2] 11/11       22 March 2020 [4]       38.5 million [1] 61/3         'bull [1] 20/19       14 [1] 77/8       14 9 billion [1] 3/1       121/23       57 23/22 86/9 86/16       38.5 million [1] 61/3         'socially [1] 84/9       14.9 billion [1] 3/1       2011 [1] 133/24       2014 [1] 133/24       23 March 2020 [1]       38.5 million [2] 136/4         'wild [1] 39/24       14.6 million [1] 4/7       15 weeks [1] 164/21       2015 [1] 162/7       23,000 people [1]       4/.000 ventilators [1]         0.2 [1] 3/22       15,000 [1] 28/18       2019 [6] 4/4 21/9       23,570 [1] 34/1       4.5 billion [1] 49/12         1.5,000 [1] 28/18       2020 [105] 2/24 4/4       24 February [1] 89/7       40 [2] 89/15 151/15         1.63/20       15,367 [1] 11/12       15/8 18/13 21/1 21/9       25 [3] 77/8 89/19       400 million [1] 21/22         1.April [1] 126/19       16 [1] 21/18       18/5 18/13 21/1 21/9       25 [3] 77/8 89/19       41.2 billion [1] 2/25         1.300 frontline [1]       16 November [1]       29/8 37/25 38/22       39/20       411 [1] 21/10         2/3       2/3       16/11       25 January [1] 36/16       430 [1] 33/2		<b>13.5 million [1]</b> $\frac{1}{74}$			
'       138-fold [1]       4/24       2006 [2]       11/11       22 March 2020 [4]       38.3 million [1]       61/3         'bull [1]       20/19       14 [1]       77/8       121/23       2009 [1]       60/11       23 March 2020 [4]       38.5 million [2]       136/4         'socially [1]       84/9       14 billion [1]       3/1       2011 [1]       133/24       2009 [1]       60/11       23 March 2020 [1]       38.5 million [2]       136/4         'wild [1]       39/24       14 billion [1]       73/24       2014 [1]       112/10       23 March 2020 [1]       4       4       4       4       136/25       4         0       15 week [1]       164/21       2015 [1]       162/7       23,000 people [1]       84/4       4/4       4/9       4/9       4/9       4/9       23,570 [1]       34/1       4/9       4/9       2/9       4.36 [1]       175/24       4.5 billion [1]       4/9       4/9       2/9       4.36 [1]       175/24       4.5 billion [1]       4/9       4/9       2/9       4.36 [1]       175/24       4.5 billion [1]       4/9       4/9       1/9       4/9       4/9       1/9       4/9       4/9       2/1/9       4/9       4/9       1/9       4/9	97/11 97/14 97/16				
ibull [1] 20/19 'fair [1] 157/24 'socially [1] 84/9 'stay [1] 84/8 'Wild [1] 39/24       14 [1] 77/8 14 billion [1] 44/25 14.9 billion [1] 44/25 14.9 billion [1] 3/1 143,000 [1] 73/24 2014 [1] 112/10 2015 [1] 162/7 15 week [1] 164/21 2015 [1] 162/7 2015 [1] 162/7 2015 [1] 162/7 2016 [1] 73/13 0.2 rillion [1] 59/16 0.3 [1] 55/20       5/7 23/22 86/9 86/16 23 March [1] 147/16 38/4       385 million [2] 136/4 136/25         0       14 (1) 77/8 14,000 [1] 73/24 14,000 [1] 73/24       2019 [1] 60/11 2011 [1] 133/24 2014 [1] 112/10 2015 [1] 162/7 2016 [1] 73/13 2016 [1] 73/13 2019 [6] 4/4 21/9 2019 [6] 4/4 21/9 2019 [6] 4/4 21/9 2019 [6] 4/4 21/9 21/19 21/24 49/16 59/11       385 million [2] 136/4 136/25         0       15,000 [1] 28/18 15,000 [1] 28/18       2019 [6] 4/4 21/9 2019 [6] 4/4 21/9 21/19 21/24 49/16 59/11       23,570 [1] 34/1 24,600 [1] 28/17 24,000 [1] 28/17       365 [1] 175/24 40 [2] 89/15 151/15 40 years [1] 48/4 400 [2] 89/15 151/15 40 years [1] 48/4 400 [1] 29/13 400 million [1] 21/22 41.2 billion [1] 21/22 41.2 billion [1] 21/22 41.2 billion [1] 22/5 411 [1] 21/10 42 [1] 99/7 42 [1] 83/1 430 [1] 33/22 439 million [1] 17/25	1				
bill [1] 20/19       14 billion [1] 44/25       2009 [1] 60/11       23 March [1] 147/16       136/25         'socially [1] 84/9       14.9 billion [1] 3/1       2014 [1] 133/24       2014 [1] 133/24       23 March [1] 147/16       136/25         'wiid [1] 39/24       14 million [1] 4/7       2015 [1] 162/7       23,000 people [1]       4/4       4,000 ventilators [1]       4/2/9         0       15 weeks [1] 164/14       2015 [1] 162/7       23,570 [1] 34/1       4.36 [1] 175/24       4.36 [1] 175/24         1.5 weeks [1] 164/14       15,000 [1] 28/18       2019 [6] 4/4 21/9       23,570 [1] 34/1       4.36 [1] 175/24         0.2 million [1] 59/16       15,000 ventilators [1]       21/19 21/24 49/16       24 March [1] 133/4       40 [2] 89/15 151/15         1.5 weeks [1] 11/12       15,867 [1] 11/12       2020 [105] 2/24 4/4       24,000 [1] 28/17       40 [2] 89/15 151/15         1.5 march [1] 137/6       14/9 5/7 5/7 13/2 17/14       2020 [105] 2/24 4/4       24.0 [1] 49/19       400 million [1] 21/22         1.1 April [1] 126/19       16 [1] 21/18       18/5 18/13 21/1 21/9       25 [3] 77/8 89/19       400 million [1] 2/25         1.300 frontline [1]       16 November [1]       29/23 37/25 38/22       39/20       25 June [1] 60/23       41 [1] 13/2         1.22       164 [1] 151/16       40/16 40/18 42/10 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
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126/24 127/15 134/12       161/2 17/1/21 17/1/23       year [5] 4/4 30/16         138/2 144/20 154/16       workforce [11] 13/13       40/5 136/2 136/23         163/21 165/8       years [4] 48/4 73/16         163/21 165/8       174/23 174/24 175/1       years [4] 48/4 73/16         163/21 165/8       174/23 174/24 175/1       yes [8] 2/14 88/16         without [13] 1/23       174/23 174/24 175/1       yes [8] 2/14 88/16         25/22 81/13 84/10       96/15 108/10 125/22       yet [11] 20/10 29/17         95/10 103/3 104/19       96/15 108/10 125/22       yet [11] 20/10 29/17         96/15 108/10 125/22       yet [11] 20/10 29/17       127/22 13/121 133/20         96/15 108/10 125/22       yet [11] 20/10 29/17       127/22 13/121 133/20         171/21 120/2 156/12       127/12 13/121 133/20       45/3 83/15 84/13         90/16 99/9 105/18       127/17 158/1 158/3       121/10 123/9 148/24         150/6 151/16 154/14       163/21       yout [106] 6/1 6/7 7/3         worklace [1] 102/25       worklace [1] 102/25       yout [106] 6/1 6/7 7/3         87/23       works [1] 118/18       24/22 26/18 27/1 34/5         worklace [1] 102/25       vork [1] 13/123 19/2       34/20 35/15 35/17         19/5 19/16 79/3 79/18       36/15 36/20 68/19         69/3 71/15 75/6 76/7 <th></th> <th>1/0// 153/0 153/15</th> <th><u>Y</u></th> <th></th> <th></th>		1/0// 153/0 153/15	<u>Y</u>		
138/2 144/20 154/16       Workforce [11] 13/13       40/5 150/2 150/23         138/2 144/20 154/16       58/1 64/1 97/24 99/6       years [4] 48/4 73/16         163/21 165/8       100/19 171/20 174/20       155/16 163/21         without [13] 1/23       174/23 174/24 175/1       yes [8] 2/14 88/16         95/10 103/3 104/19       96/15 108/10 125/22       yet [11] 20/10 29/17         95/10 103/3 104/19       96/15 108/10 125/22       yet [11] 20/10 29/17         105/9 106/3 115/13       127/22 131/21 133/20       45/3 83/15 84/13         117/21 120/2 156/12       127/22 131/21 133/20       45/3 83/15 84/13         witnesse [9] 11/10       131/11 69/4 88/22       157/17 158/1 158/3       121/10 123/9 148/24         160/1 165/18       tisk/21 161/8 174/5       yield [1] 172/7       you [106] 6/1 6/7 7/3         workings [1] 12/9       workload [1] 82/25       7/7 11/2 11/3 11/25         works [2] 38/23       workload [1] 82/25       7/7 11/2 11/3 11/25         works [1] 11/23       morkload [1] 82/25       7/7 11/2 11/3 11/25         works [1] 18/18       9/2 105/15 35/17       19/5 19/16 79/3 79/18         36/15 36/20 68/19       6/3 71/15 75/6 76/7       7/7 78/3 78/12 78/18         worldwide [2] 142/16       78/21 78/24 78/25       79/10 79/11 79/14         166/5		161/2 171/21 171/23			
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without [13]       1/23         25/22       81/13       84/10         95/10       103/3       104/19         105/9       106/3       115/13         117/21       120/2       150/22       94/14         96/15       108/10       125/22         117/21       120/2       150/6         117/21       120/2       150/6         117/21       120/2       150/6         117/21       120/2       158/21         138/23       145/14       148/5         138/23       145/14       148/5         150/6       151/16       154/14         160/1       165/18       158/21       161/8         workings [1]       12/9       you [106]       6/1         worksgt1]       11/23       7/1/12       11/2         worklad [1]       82/25       7/7       7/11/2       11/2         worklad [1]       102/25       12/4       14/9       14/11       23/16         worklad [1]       102/25       12/4       14/9       14/11       23/16         works [1]       118/18       24/22       26/18       27/1       34/20         13/3       133/7<	163/21 165/8				
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133/3       133/7       160/7         166/5       world's [1]       19/9         WLGA [5]       154/12       worldwide [2]       142/16         77/7       78/3       78/12       78/21         77/7       78/3       78/12         166/5       9/9       77/7         9/10       79/10       79/11         79/10       79/11       79/14					
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