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Sent:	10/12/2020 09:37:16
To:	PS FirstMinister [ps.firstminister@gov.wales]; PS Minister Health & Social Services [psmhss@gov.wales]
CC:	Jenkins, Clare (OFM - Special Adviser) [clare.jenkins010@gov.wales]
Subject:	FW: NHS update 9.12 Official Sensitive

I have updated with an additional graph my note on NHS capacity yesterday afternoon, to be clearer about the trajectory of NHS capacity from the current position. I didn't know if Minister or FM would wish to send to Ministers as part of further discussions this week, so they have an uptodate reference point.

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From: Goodall, Andrew (HSS - DG - NHS Wales Chief Executive)
Sent: 09 December 2020 16:45
To: Vaughan Gething (Ministerial) <Vaughan.Gething@gov.wales>; PS Minister Health & Social Services <PSMHSS@gov.wales>; Jenkins, Clare (OFM - Special Adviser) <Clare.Jenkins010@gov.wales>; PS FirstMinister <PS.FirstMinister@gov.wales>; Runeckles, Jane (OFM - Special Adviser) <Jane.Runeckles@gov.wales>; Brindley, Madeleine (OFM - Special Adviser) <Madeleine.Brindley@gov.wales>; Morgan, Shan (PSG - Permanent Secretary's Office) <Shan.Morgan@gov.wales>; Kilpatrick, Reg (EPS - LG Director) <Reg.Kilpatrick@gov.wales>; Atherton, Frank (HSS - Chief Medical Officer) <Frank.Atherton@gov.wales>; Jones, Chris (HSS-DPH-Population Healthcare) <Chris.Jones@gov.wales>; Sallows, Andrew (HSS - Delivery & Performance) <Andrew.Sallows@gov.wales>; Dean, Simon (HSS - Office of the DG - NHS Wales Chief Executive) <Simon.Dean2@gov.wales>; PS to DG for Health and Social Services Chief Executive NHS Wales <pstodgforhsscenhswales@gov.wales>
Subject: NHS update 9.12

Minister – NHS update 9.12 - a visible increase today in overall and confirmed cases. This continues to convey the seriousness of the position now facing the NHS, and we are running ahead of what I shared with cabinet as my personal worse case scenario. I think at the moment we could be around 2500 hospital covid-related patients by Christmas Day, and around 1500 "confirmed" cases as per the forecasts we have shared before. This is because hospital cases did not reduce as wished post-firebreak, even if the position helpfully stabilised.

-        Total covid-related patients in hospital beds visibly increased by +98 overnight to 1936. This represents the highest on record as we see these day-to-day increases and is 153 (9%) higher than same point last week. This is more than 500 higher than the peak of 1398 experienced in the first wave in April. The weekly growth is now increasing visibly form the more stable position a couple of weeks ago. It is very likely we will symbolically be over 2000 covid-related patients in hospital beds over the next couple of days given this growth.
-        Confirmed covid hospital patients in beds has also increased within this by 46 to 1131 – again to a record reported position for confirmed covid-19 cases to date and in excess of the April peak. It is the first time we have exceeded 1100. This 110 (10%) higher than same point last week.

- Total covid-related patients in critical care is 75, -2 overnight – this is 6 (9%) higher than last Wednesday. There are 169 total critical care patients, covid and non-covid, 17 above the normal baseline of 152. The critical care network is reporting a reduced number of additional beds that could be opened within 24 hours, due to the current loss of critical care staff due to sickness and absence and competing workforce priorities that is affecting a number of south wales units (apparent in below graph). There is much more visibility of workforce constraints and difficult choices within critical care and more broadly for the NHS.
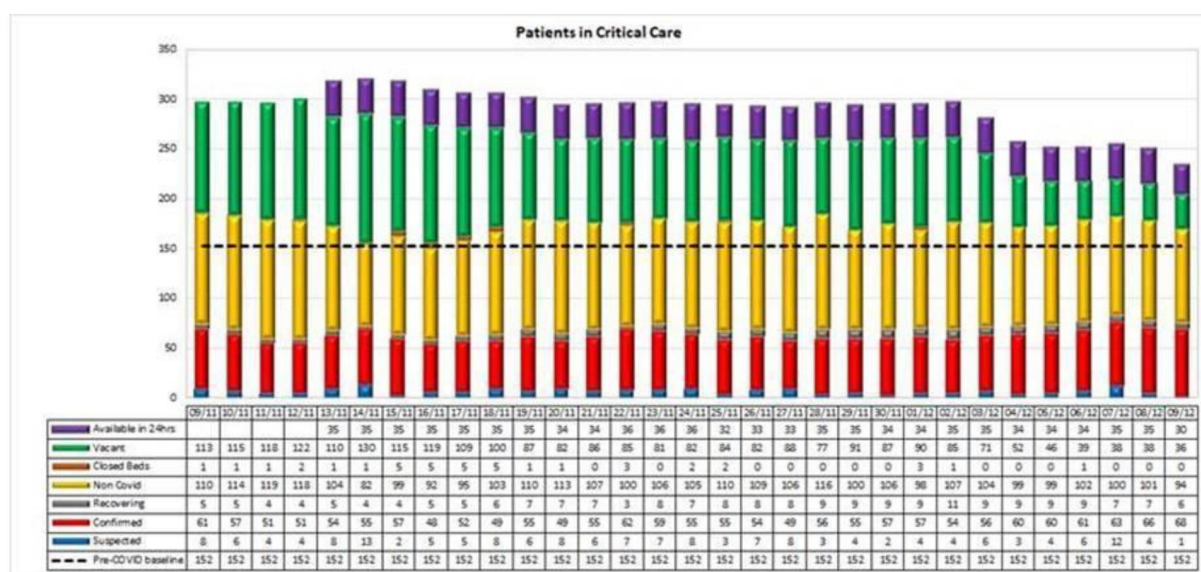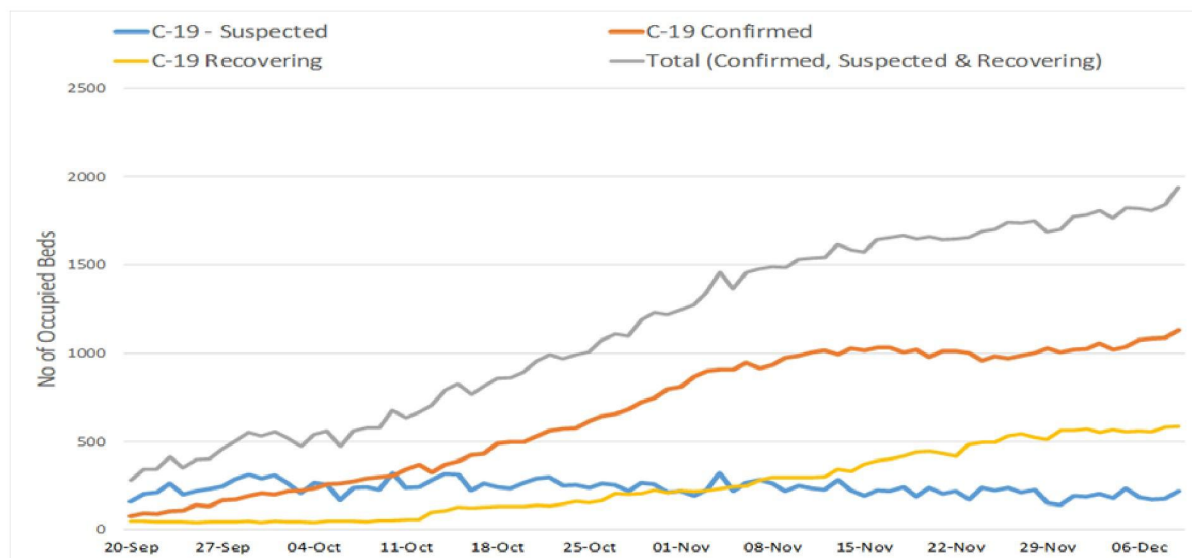
Minister, you are issuing a written statement tomorrow approving a framework in which local decisions can be made to balance emergency care and other activities locally – this is a step ahead of a blanket NHS-wide set of actions as we did back in March – the NHS is currently seeking support for the local choices they need to make rather than, at this point, asking for national actions on routine activities.

If we see these patients convert to hospital beds it is inevitable it will translate to some of the excess mortality that Swansea University modelled, as it is the hospitalisation rates that drive this from high community prevalence.

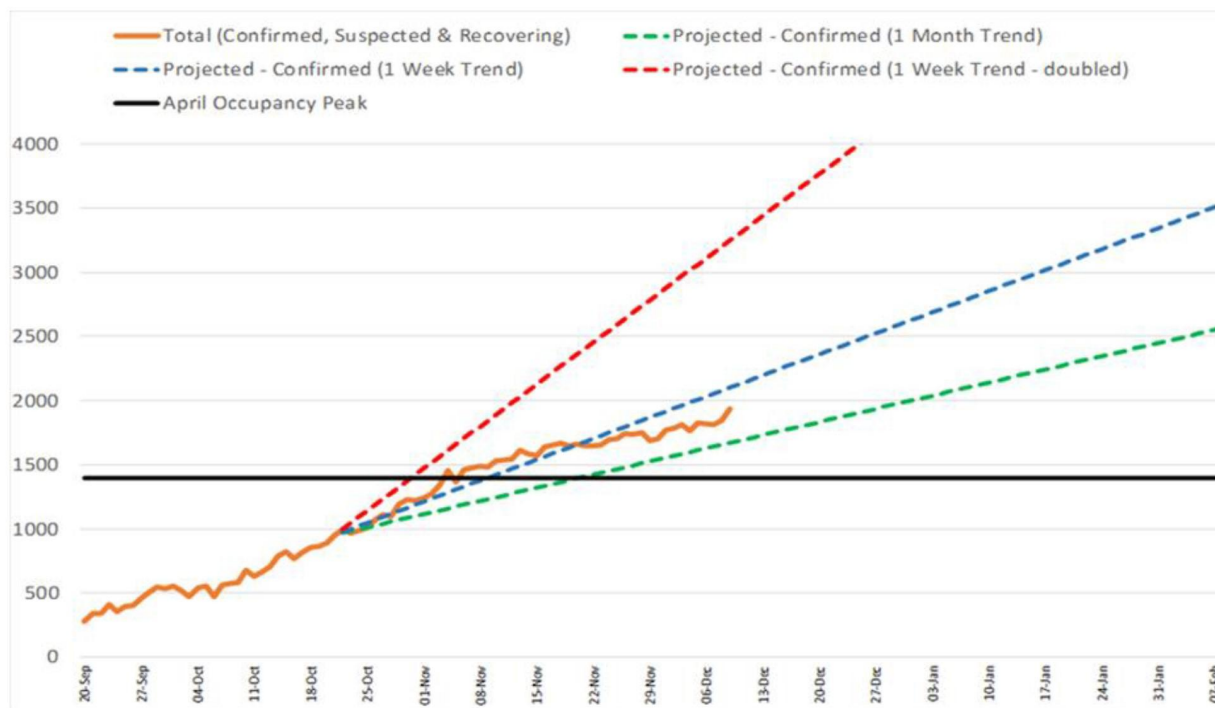The tables below show a comparison of key metrics for yesterday and today and today and the same day last week.

		Critical Care (CC) Beds			Total Beds		
		Current Day	Previous Day		Current Day	Previous Day	
		09-Dec-20	08-Dec-20	Difference	09-Dec-20	08-Dec-20	Difference
Number of available staffed beds	In critical care environment	161	172	-11			
	Outside critical care environment	18	18	0			
	Specialist critical care environment	26	26	0			
Number of closed beds		-	-	0			
Total number of critical care beds		205	216	-11			
Number of COVID-19 patients in occupied beds	Suspected	1	4	-3	220	175	45
	Confirmed	68	66	2	1,131	1,085	46
	Recovering	6	7	-1	585	578	7
Total number of COVID-19 occupied beds		75	77	-2	1,936	1,838	98
Number of non COVID-19 occupied beds		94	101	- 7	6,073	6,060	13
% critical care beds occupied		82%	82%	0%			
% critical care beds occupied COVID-19 related patients		37%	36%	1%			
Number of unoccupied critical care beds		36	38	-2			

	Number of COVID-19 patients in occupied beds	
	Critical care (CC) Beds	Total Beds
Current Day	75	1,936
Same Day Prev Week	69	1,783
Difference	6 (9%)	153 (9%)
Current Day	75	1,936
Highest Prev Day	164	1,936
Difference	-89 (-54%)	0 (0%)

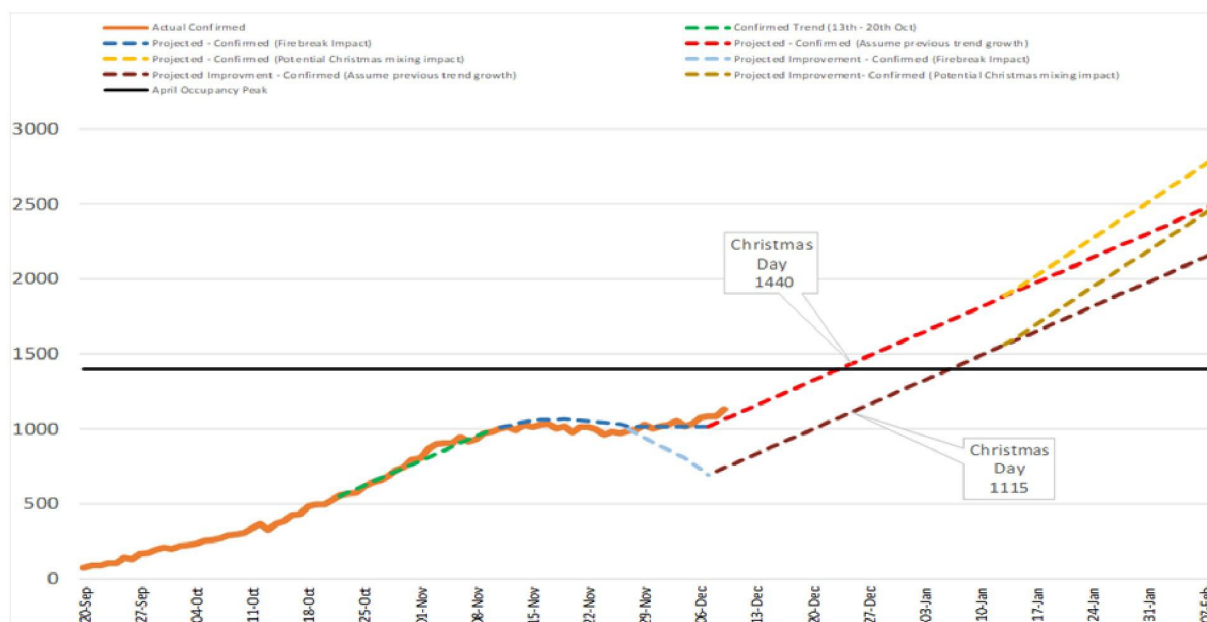|	09/11	10/11	11/11	12/11	13/11	14/11	15/11	16/11	17/11	18/11	19/11	20/11	21/11	22/11	23/11	24/11	25/11	26/11	27/11	28/11	29/11	30/11	01/12	02/12	03/12	04/12	05/12	06/12	07/12	08/12	09/12
Available in 24hrs						35	35	35	35	35	35	34	34	36	36	36	32	33	33	35	35	34	34	35	35	34	34	34	35	35	30
Vacant	113	115	118	122	110	130	115	119	109	100	87	82	86	85	81	82	84	82	88	77	91	87	90	85	71	52	46	39	38	38	36
Closed Beds	1	1	1	2	1	1	5	5	5	5	1	1	0	3	0	2	2	0	0	0	0	0	3	1	0	0	0	1	0	0	0
Non Covid	110	114	119	118	104	82	99	92	95	103	110	113	107	100	106	105	110	109	106	116	100	106	98	107	104	99	99	102	100	101	94
Recovering	5	5	4	4	5	4	4	5	5	6	7	7	7	3	8	7	8	8	8	9	9	9	9	11	9	9	9	9	7	7	6
Confirmed	61	57	51	51	54	55	57	48	52	49	55	49	55	62	59	55	55	54	49	56	55	57	57	54	56	60	60	61	63	66	68
Suspected	8	6	4	4	8	13	2	5	5	8	6	8	6	7	7	8	3	7	8	3	4	2	4	4	6	3	4	6	12	4	1
Pre-COVID baseline	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152

We are now tracking the trend line for total covid-related cases as below (alongside the confirmed category tracking). Total covid-related patients in hospital beds could now be around 2500 by Christmas Day and, unchecked, around 3000 by mid-January. This doesn't account for post-Christmas impact of lifting of restrictions, but there would be a 2-3 week lag on NHS impact.

Note graph below tracks "confirmed" rather than total covid-related patients in hospital beds. We expect the position on Christmas Day to e 1500, a 50% increase on the actual NHS position at the time of the cabinet discussion. This could be c1900 confirmed patients by mid-january.

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