

Distribution

With a national weekly average of ~70K first dose administrations of the Pfizer-BioNTech vaccin, the second dose is secured until the end of March if buffer is built

	Past									Confirmed	Planned, not confirmed			
	28/12	4/1	11/1	18/1	25/1	1/2	8/2	15/2	22/2	1/3	8/3	15/3	22/3	29/3
Theoretically delivered doses¹	9.750	162.825	97.500	86.580	78.390	97.110	98.280	117.000	120.510	114.660	117.000	117.000	117.000	117.000
Effectively estimated delivered doses²	10.725	179.108	107.640	86.580	78.390	97.110	98.280	117.000	120.510	114.660	117.000	117.000	117.000	117.000
Total doses administered per week	793	26.327	96.133	115.725	88.390	127.704	135.825	97.531	91.571	90.893	105.468	130.000	140.000	140.000
• First dose administered³	793	26.327	96.133	114.932	62.063	31.571	20.893	35.468	60.000	70.000	70.000	70.000	70.000	70.000
• Second dose required	0	0	0	793	26.327	96.133	114.932	62.063	31.571	20.893	35.468	60.000	70.000	70.000
Waste⁴	0	527	1.923	2.315	1.768	2.554	2.717	1.951	1.831	1.818	2.109	2.600	2.800	2.800
Emergency stock accumulated	0	10.530	9.360	2.340	8.190	9.360	7.020	9.360	9.360	9.360	8.190	9.360	9.360	9.360
Buffer accumulated⁶	0	0	0	0	0	0	0	0	9.360	17.550	25.740	33.930	42.120	50.310
Remaining doses	9.932	151.656	162.410	137.971	120.353	86.035	48.113	63.292	81.039	94.799	97.201	72.241	38.251	4.261

Weekly number of 1st dose per fed. entity as of 15/2⁵

- German-speaking region: ~ 400/ ~ 475
- Wallonia: ~ 21.400 / ~ 21.900
- Flanders: ~ 38.000 / ~ 40.400
- Brussel: ~ 10.100 / ~ 7.100

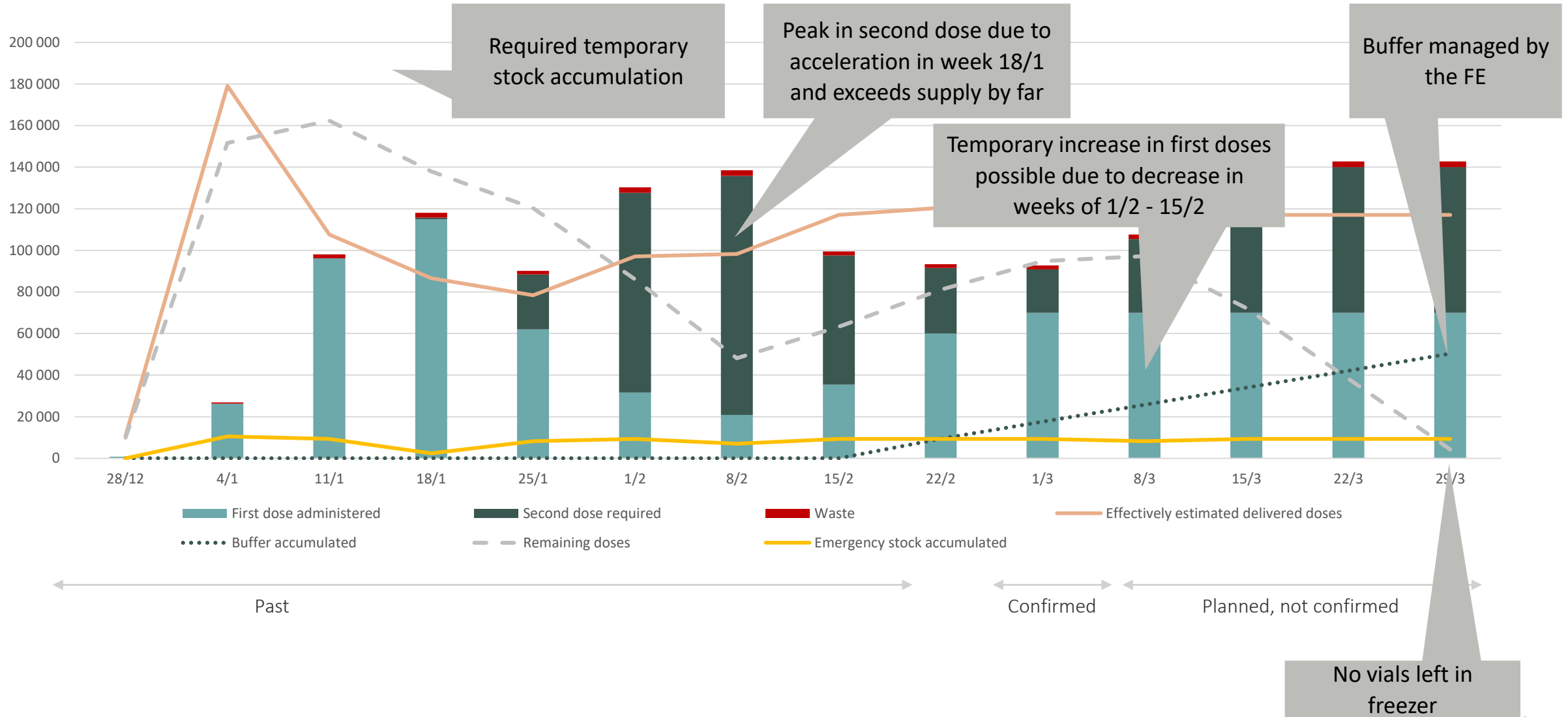
Key messages

1. Belgium could administer a weekly average of ~70K 1st doses without compromising the 2nd dose
2. Temporary accumulating some stock is needed to secure the 2nd dose based on current planning
3. A theoretical buffer is built to cope with supply chain interruptions and is managed by the FE
4. Mitigations are only feasible if planning of week_x is based on deliveries in week_{x-1}

Sources: 1: Planning Pfizer; 2: Planning Pfizer adjusted for use of 6th dose; 3: Control Tower (26/2/2021); 4: FAMHP estimate; 5: number can differ in function of quota used in previous weeks and depends on applied distribution key per phase; 6: Buffer is managed by federated entities
Assumptions: 2% waste; 7% of delivered vaccins allocated to buffer as of 22/2; 3 week interval between dose 1 and 2

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Distribution

The Moderna vaccine is subject to irregular deliveries – prudent start of first dose administration to spread the risk of supply chain issues that may compromise the administration of the second dose

	Past							Confirmed	Planned, not confirmed				Not planned					
	11/1	18/1	25/1	1/2	8/2	15/2	22/2	1/3	8/3	15/3	22/3	29/3	5/4	12/4	19/4	26/4	3/5	
Theoretically delivered doses¹	8.400	0	13.200	25.200	0	0	48.000		63.600		96.000							
Effectively estimated delivered doses	8.400	0	13.200	25.200	0	0	48.000	0	63.600	0	96.000	0						
Total doses administered per week	0	4.365	1.664	9.148	8.944	5.169	6.264	24.898	24.694	16.554	20.350	31.500	31.500	15.750	15.750	15.750	15.750	
• First dose administered²	0	4.365	1.664	9.148	8.944	804	4.600	15.750	15.750	15.750	15.750	15.750	15.750					
• Second dose required	0	0				4.365	1.664	9.148	8.944	804	4.600	15.750	15.750	15.750	15.750	15.750	15.750	
Waste³	0	87	33	183	179	103	125	498	494	331	407	630	630					
Emergency stock accumulated	400	400	400	600	600	600	800	800	800	800	800	800	800	800	800	800	800	
Buffer accumulated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Remaining doses	8.000	3.548	15.050	30.719	21.597	16.324	57.735	32.339	70.751	53.866	129.109	96.979	64.849	49.099	33.349	17.599	1.849	

Weekly number of 1st dose per fed. Entity (until 7 Mar / as of 8 March)⁴

- German-speaking region: ~200/~100
- Wallonia: ~4.800/~4.900
- Flanders: ~8.300/~9.100
- Brussel: ~2.400/~2.600

Key messages

1. Belgium could administer ~15.75K 1st doses between 1/3 and 5/4 without compromising the 2nd dose
2. Temporary accumulating some stock is needed to secure the 2nd dose based on current planning
3. Mitigations are only feasible if planning of first doses is spread across time

Sources: 1: Planning Moderna; 2: Control Tower (26/3/2021); 3: FAMHP estimate; 4: number can differ in function of quota used in previous weeks and depends on applied distribution key per phase
Assumptions: 2% waste; minimal emergency stock ad-hoc built as of 1/2; 4 week interval between dose 1 and 2

Distribution

The **Moderna** vaccine is subject to irregular deliveries – prudent start of first dose administration to spread the risk of supply chain issues that may compromise the administration of the second dose

