

Distribution

With a national weekly average of ~58.75K first dose administrations of the Pfizer-BioNTech vaccin, the second dose is secured until the end of March if buffer is built

	Past						Communicated, Confirmed		not 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	89.700	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	693	18.803	80.947	92.367	93.803	128.947	148.474	133.750	106.750	115.550	117.500	117.500	117.500	117.500	
• First dose administered³	693	18.803	80.947	91.674	75.000	48.000	56.800	58.750	58.750	58.750	58.750	58.750	58.750	58.750	
• Second dose required	0	0	0	693	18.803	80.947	91.674	75.000	48.000	56.800	58.750	58.750	58.750	58.750	
Waste⁴	0	376	1.619	1.847	1.876	2.579	2.969	2.675	2.135	2.311	2.350	2.350	2.350	2.350	
Emergency stock accumulated	0	8.775	7.800	780	6.630	6.630	5.460	7.800	8.970	8.970	8.970	8.970	8.970	8.970	
Buffer accumulated	0	0	0	0	0	0	0	0	8.436	16.463	24.653	32.843	41.033	49.223	
Remaining doses	10.032	161.185	187.235	186.620	163.481	129.065	77.072	55.307	57.326	46.098	35.058	24.018	12.978	1.938	

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

- German-speaking region: ~ 520 / ~ 340
- Wallonia: ~ 18.700 / ~ 17.900
- Flanders: ~ 33.500 / ~ 31.900
- Brussel: ~ 4.800 / ~ 8.500

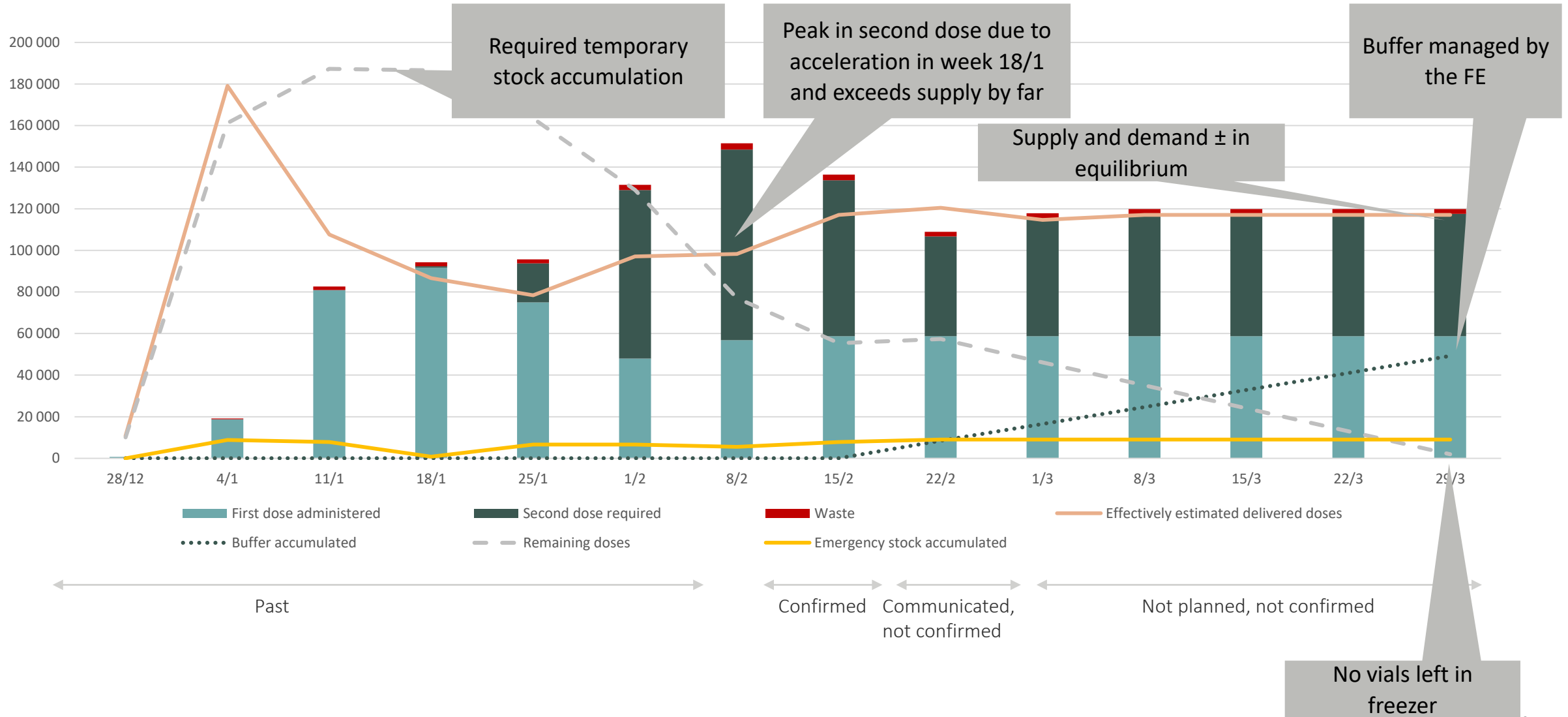
Key messages

1. Belgium could administer a weekly average of ~58.75K 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 buffer is progressively 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: Sciensano (28/12 – 18/1); 4: FAMHP estimate; 5: number can differ in function of quota used in previous weeks
Assumptions: 2% waste; 7% of delivered vaccins allocated to buffer as of 22/2; 3 week interval between dose 1 and 2

Distribution

With a national weekly average of ~58.75K first dose administrations of the Pfizer-BioNTech vaccin, the second dose is secured until the end of March while a strategic stock is built to mitigate supply chain interruptions



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						Planned, confirmed				Planned, not confirmed				
	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	5/4
Theoretically delivered doses¹	0		8.400	0	13.200	25.200	0	0	48.000	0				159.600	
Effectively estimated delivered doses	0		8.400	0	13.200	25.200	0	0	48.000	0	0	0	0	159.600	
Total doses administered per week	0		0	3.044	4.800	5.856	5.000	7.644	9.400	10.456	9.600	9.200	9.200	9.200	19.600
• First dose administered³	0		0	3.044	4.800	5.856	5.000	4.600	4.600	4.600	4.600	4.600	4.600	4.600	15.000
• Second dose required	0		0	0				3.044	4.800	5.856	5.000	4.600	4.600	4.600	4.600
Waste⁴	0		0	61	96	117	100	153	188	209	192	184	184	184	392
Emergency stock accumulated	0		400	400	400	600	600	600	3.400	3.400	3.400	3.400	3.400	3.400	3.400
Buffer accumulated	0		0	0	0	0	0	0	0	0	0	0	0	0	0
Remaining doses	0	8.000	4.895	13.199	32.226	27.126	19.329	54.941	44.276	34.484	25.100	15.716	165.932	145.940	126.340

Weekly number of 1st dose per fed. Entity (15/2-29/3)⁵

- German-speaking region: ~63
- Wallonia: ~1.400
- Flanders: ~2.400
- Brussel: ~700

Key messages

1. Belgium could administer ~4.6K (week 15/2 - 29/3) and ~15K (week 5/4) 1st doses 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: revised planning Moderna (28/1/2021); 3: Sciensano; 4: FAMHP estimate; 5: number can differ in function of quota used in previous weeks
Assumptions: 2% waste; minimal strategic 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

