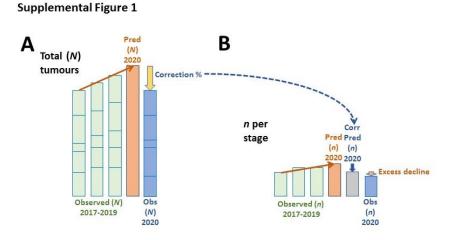


Supplementary Material

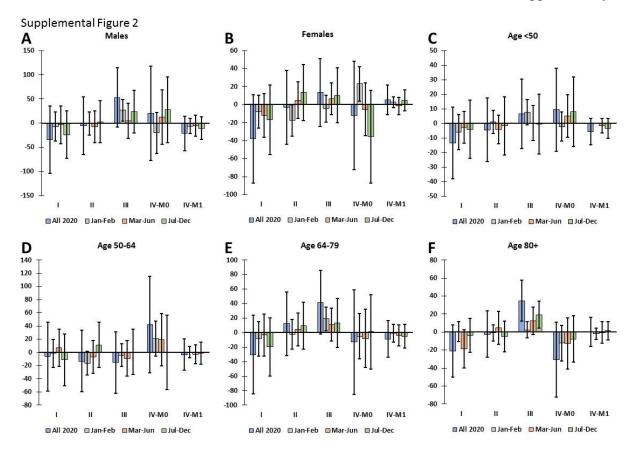
1 Supplementary Figures and Tables

1.1 Supplementary Figures

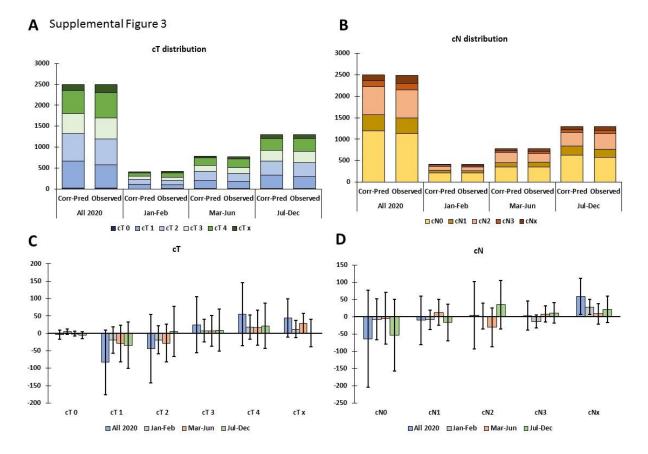


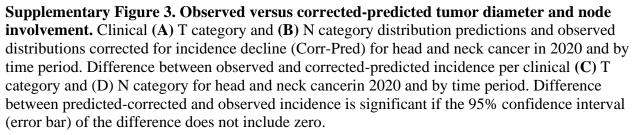
Supplementary Figure 1. Methodology to calculate predicted incidence and stage shift. (A)

Poisson count model was used to estimate the average yearly change in cancer diagnoses over the period 2015-2019 and extrapolated to 2020. (**B**) For each subgroup, the Poisson count model was applied independently to establish the predicted value for 2020. The predicted value for each subgroup was "corrected" for the percent decline/increase of the total group. Predicted values were compared to observed values for 2020.



Supplementary Figure 2. Changes in incidence by clinical stage of head and neck cancer in Belgium in 2020, by sex and age group. Difference between observed and corrected-predicted incidence in 2020 and by time period for (A) males, (B) females, and patients (C) aged <50, (D) aged 50-64, (E) aged 65-79, and (F) and aged 80+. Difference between predicted-corrected and observed incidence is significant if the 95% confidence interval (error bar) of the difference does not include zero.







1.2 Supplementary Tables

Supplementary Table 1. Patient and tumor characteristics.

Overall			2017		2018		2019		2020	
Ν	%		N	%	Ν	%	N	%	N	%
10 582			2 671		2 692		2 728		2 491	
7 750	70.0		4 077	74.0	4.050	70 5	0.004	745	4 700	70.0
										72.2
										27.8
65	(11.9)		64	(11.7)	64	(11.6)	65	(11.7)	65	(11.5)
784	7.4		203	7.6	196	7.3	194	7.1	191	7.7
4 445	42.0		1 179	44.1	1 141	42.4	1 138	41.7	987	39.6
4 161	39.3		988	37.0	1 058	39.3	1 092	40.0	1 023	41.1
1 192	11.3		301	11.3	297	11.0	304	11.1	290	11.6
2 796	26.4		670	25.1	704	26.2	761	27.9	661	26.5
3 057	28.9		787	29.5	789	29.3	762	27.9	719	28.9
1 135	10.7		300	11.2	290	10.8	296	10.9	249	10.0
2 197	20.8		599	22.4	559	20.8	541	19.8	498	20.0
1 397	13.2		315	11.8	350	13.0	368	13.5	364	14.6
1 904	20.8		395	18.2	439	19.0	567	23.6	503	22.3
1 514	16.6		332		379	16.4	406	16.9	397	17.6
						18.6	387	16.1	410	18.2
										36.5
										5.4
										9.5
	N 10 582 7 759 2 823 65 784 4 445 4 161 1 192 2 796 3 057 1 135 2 197 1 397	N % 10 582 7759 73.3 2 823 26.7 65 (11.9) 784 7.4 4445 42.0 4 161 39.3 1192 11.3 2 796 26.4 3057 28.9 1 135 10.7 2197 20.8 1 397 13.2 1 1 1 904 20.8 1 514 16.6 1 645 18.0 3 586 39.2 490 5.4 1 1 1	N % 10 582 7759 73.3 2 823 26.7 65 (11.9) 784 7.4 4445 42.0 4 161 39.3 1 192 11.3 2 796 26.4 3057 28.9 1 135 10.7 2 197 20.8 1 397 13.2 1 192 1 904 20.8 1 397 13.2 1 904 20.8 1 514 16.6 1 645 18.0 3 586 39.2 490 5.4 302 3 586	N % N 10 582 2 671 7 759 73.3 1 977 2 823 26.7 694 65 (11.9) 64 784 7.4 203 4 445 42.0 1 179 4 161 39.3 988 1 192 11.3 301 2 796 26.4 670 3 057 28.9 787 1 135 10.7 300 2 197 20.8 599 1 397 13.2 315 1 904 20.8 395 1 514 16.6 332 1 645 18.0 418 3 586 39.2 925 490 5.4 105	N%N%10 5822 6717 75973.32 82326.765(11.9)64(11.7)7847.42 037.64 44542.01 17944.14 16139.398837.01 19211.330111.32 79626.467025.13 05728.978729.51 13510.730011.22 19720.859922.41 30713.21 90420.83 58639.292542.54905.41054.8	N $%$ N $%$ N10 5822 6712 6927 75973.31 97774.02 82326.769426.065(11.9)64(11.7)64117944.11 951 9774.07847.42037.64 44542.01 17944.11 19211.330111.32 79626.467025.17043 05728.97872 79626.459922.45591 39713.21 13510.730011.22 19720.859922.455931511.8305728.93151 13510.73001 13510.730518.24393151 51416.633215.33791 6451 64518.041819.24303 58639.292542.59304905.41054.8130	N%N%N%10 5822 6712 6927 75973.31 97774.01 95272.52 82326.769426.074027.565(11.9)64(11.7)64(11.6)7847.42037.619667.34 44542.01 17944.11 14142.44 16139.398837.01 05839.31 19211.330111.329711.02 79626.467025.170426.23 05728.978729.578929.31 13510.730011.229010.82 19720.859922.455920.81 39713.231511.835013.01 90420.839518.243919.01 51416.633215.337916.41 64518.041819.243018.63 58639.292542.593040.34905.41054.81305.6	N % N % N % N 10 582 2 671 2 692 2 728 7 759 73.3 1 977 74.0 1 952 72.5 2 031 2 823 26.7 694 26.0 740 27.5 697 65 (11.9) 64 (11.7) 64 (11.6) 655 784 7.4 203 7.6 196 7.3 194 4 445 42.0 1 179 44.1 1 141 42.4 1 138 4 161 39.3 988 37.0 1 058 39.3 1 092 1 192 11.3 301 11.3 297 11.0 304 2 796 26.4 670 25.1 704 26.2 761 3 057 28.9 787 29.5 789 29.3 762 1 135 10.7 300 11.2 290 10.8 296 2 197 20.8	N % N % N % N % 10 582 2 671 2 692 2 728 2 2 2 2 5 2 031 74.5 2 692 2 2 031 74.5 2 823 26.7 694 26.0 740 27.5 697 25.5 697 25.5 697 25.5 697 25.5 697 25.5 697 25.5 697 25.5 697 25.5 697 25.5 (11.7) 64 (11.6) 65 (11.7) 784 7.4 203 7.6 196 7.3 194 7.1 4445 42.0 1 179 44.1 1 141 42.4 1 138 41.7 4 161 39.3 988 37.0 1 058 39.3 1 092 40.0 1 192 11.3 301 11.3 297 11.0<	N % N % N % N % N 10 582 2 671 2 692 2 728 2 491 7 759 73.3 1 977 74.0 1 952 72.5 2 031 74.5 1 799 2 823 26.7 694 26.0 740 27.5 697 25.5 692 65 (11.9) 64 (11.7) 64 (11.6) 65 (11.7) 65 784 7.4 203 7.6 196 7.3 194 7.1 191 4 445 42.0 1 179 44.1 1 141 42.4 1 138 41.7 987 4 161 39.3 988 37.0 1 058 39.3 1 092 40.0 1 023 1 192 11.3 301 11.3 297 11.0 304 11.1 290 2 796 26.4 670 25.1 704 26.2 761 27.9 719

*Percentages for known clinical stage are computed excluding X/NA