
Recent trends in incidence and mortality of non-melanoma skin cancer in Northern Ireland

(A comparison between April-December of 2021, 2020 and 2018-2019)

Further information

Further information is available at: www.qub.ac.uk/research-centres/nicr

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INCIDENCE

During the April-December period the number of cases of non-melanoma skin cancer diagnosed decreased between 2018-2019 and 2021 by 15.4% from 3,134 cases per year to 2,651 cases.

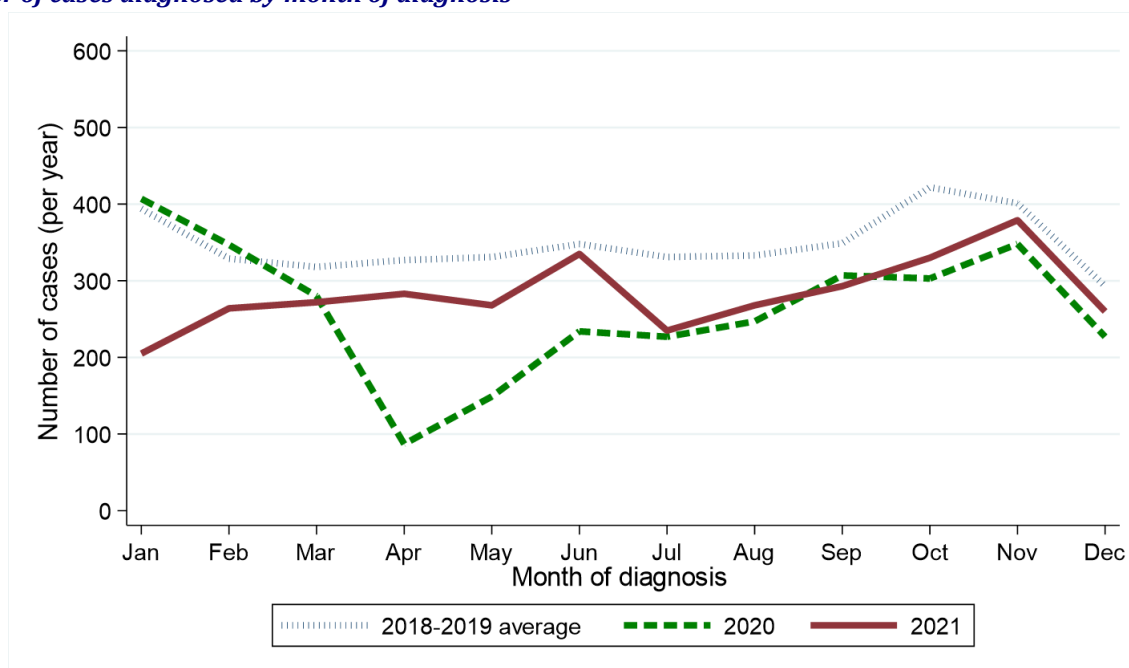
Table 1: Number of non-melanoma skin cancer cases diagnosed in 2018-2021 by month and year of diagnosis

Period of diagnosis	Annual total	Month diagnosed											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
2018-2019*	4,174	394	329	318	327	331	348	331	333	349	422	401	293
2020	3,163	407	347	280	87	149	234	227	247	307	303	348	227
2021	3,392	205	264	272	283	268	335	235	268	293	330	379	260

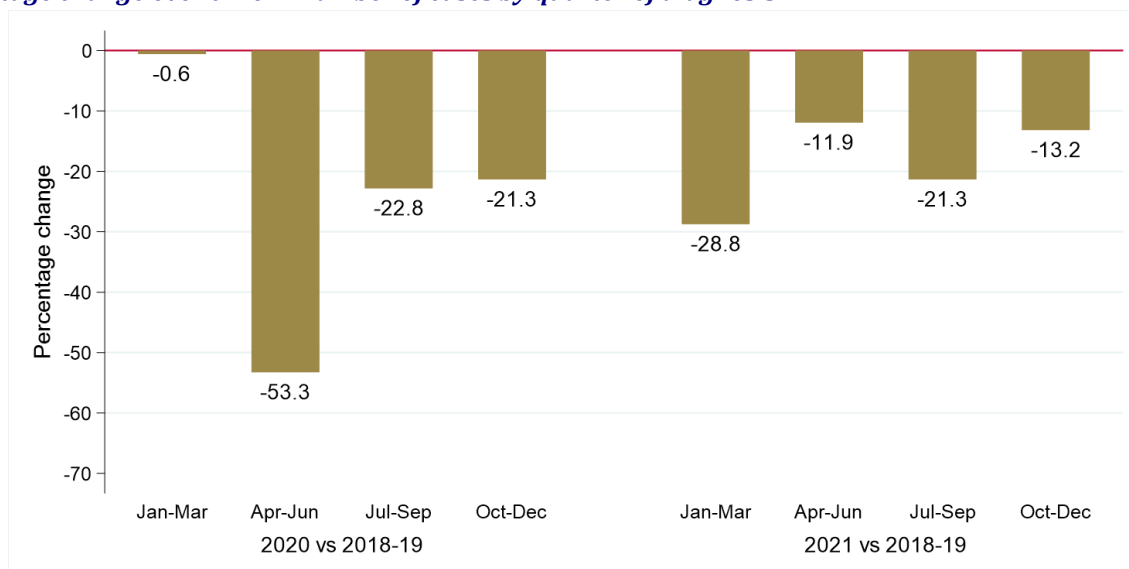
* Average cases per year rounded to the nearest integer. Row sums may thus differ slightly from the total.

Figure 1: Number of non-melanoma skin cancer cases diagnosed in 2018-2021 by month/quarter and year of diagnosis

(a) Number of cases diagnosed by month of diagnosis



(b) Percentage change over time in number of cases by quarter of diagnosis



GENDER

Excluding the first quarter of each year the number of male non-melanoma skin cancer cases diagnosed decreased by 15.9% from 1,804 per year in 2018-2019 to 1,517 in 2021. Between the same two time periods the number of female non-melanoma skin cancer cases diagnosed decreased by 14.7% from 1,330 per year in 2018-2019 to 1,134 in 2021. The change in case distribution by gender between 2018-2019 and 2021 was not statistically significant.

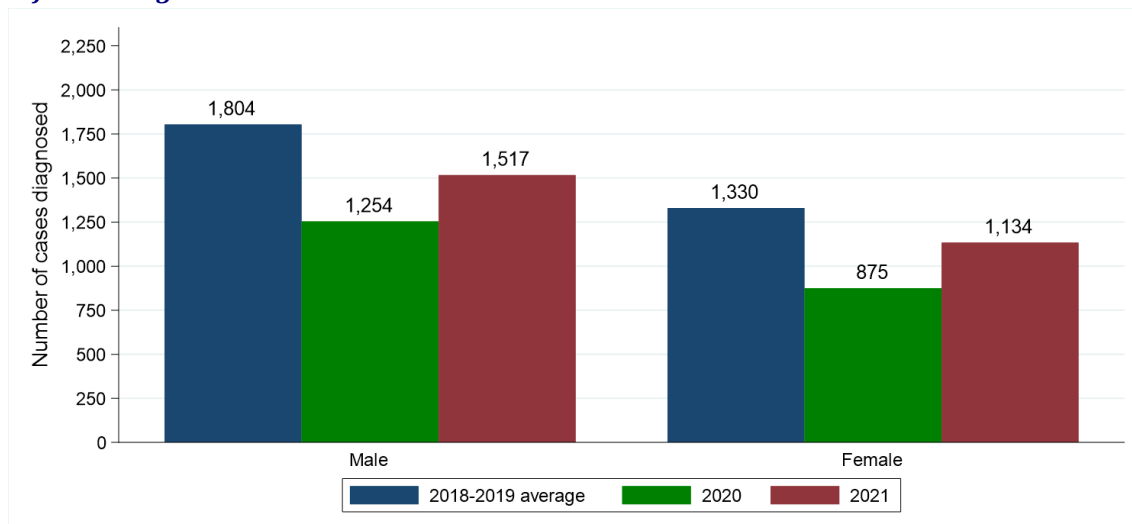
Table 2: Number and proportion of non-melanoma skin cancer cases diagnosed in April-December of 2018-2021 by gender and period of diagnosis

Gender	Period of diagnosis (Apr-Dec)			Percentage change	
	2018-2019*	2020	2021	2020 vs 2018-2019	2021 vs 2018-2019
All persons	3,134	2,129	2,651	-32.1%	-15.4%
Male	1,804 (57.6%)	1,254 (58.9%)	1,517 (57.2%)	-30.5%	-15.9%
Female	1,330 (42.4%)	875 (41.1%)	1,134 (42.8%)	-34.2%	-14.7%

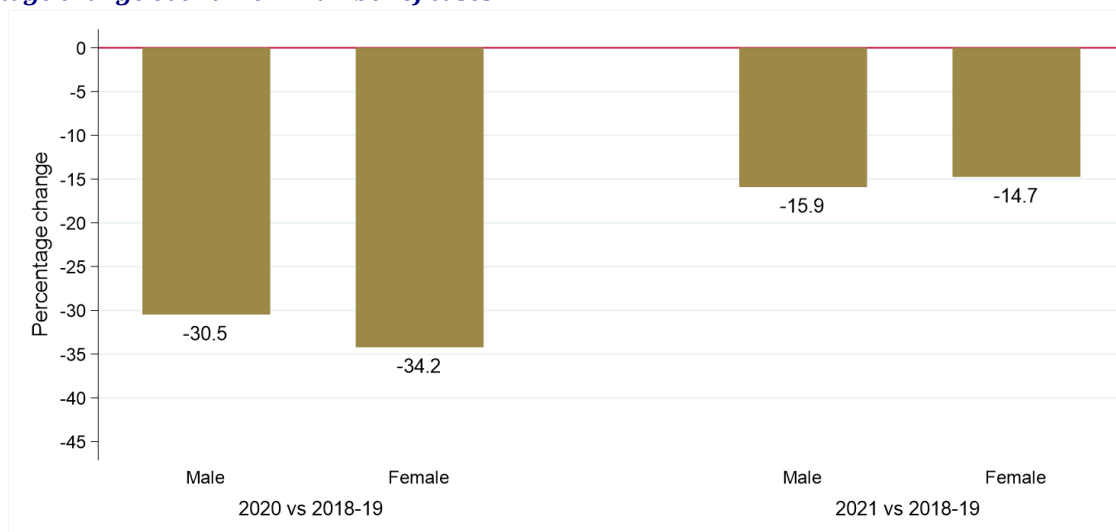
* Average cases per year rounded to the nearest integer. Column sums may thus differ slightly from the total.

Figure 2: Number of non-melanoma skin cancer cases diagnosed in April-December of 2018-2021 by gender and period of diagnosis

(a) Number of cases diagnosed



(b) Percentage change over time in number of cases



AGE

Excluding the first quarter of each year the number of cases of non-melanoma skin cancer diagnosed among those aged 65 to 74 decreased by 23.4% from 837 per year in 2018-2019 to 641 in 2021. Between the same two time periods the number of cases of non-melanoma skin cancer diagnosed among those aged 75 and over decreased by 10.2% from 1,450 per year in 2018-2019 to 1,302 in 2021. The change in case distribution by age between 2018-2019 and 2021 was statistically significant ($p = 0.049$).

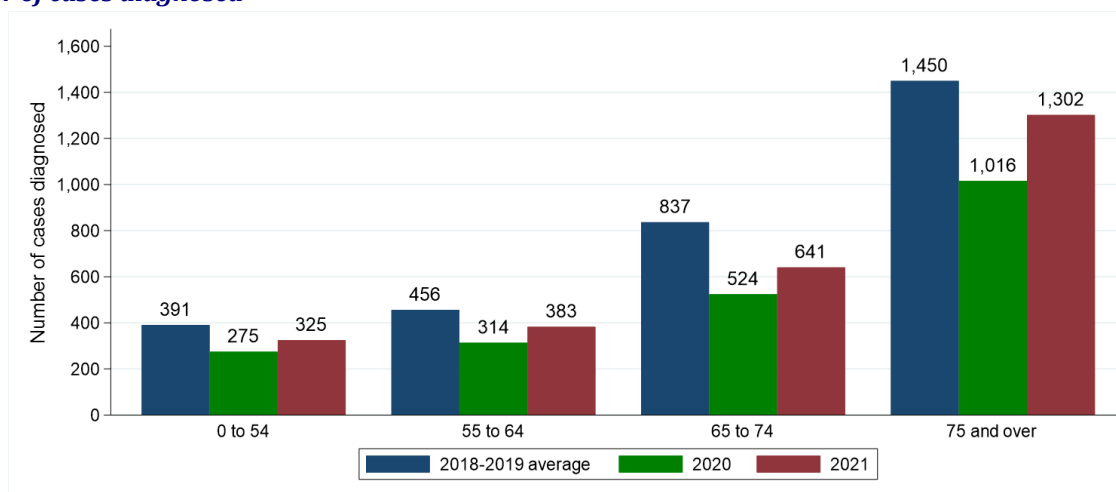
Table 3: Number and proportion of non-melanoma skin cancer cases diagnosed in April-December of 2018-2021 by age and period of diagnosis

Age	Period of diagnosis (Apr-Dec)			Percentage change	
	2018-2019*	2020	2021	2020 vs 2018-2019	2021 vs 2018-2019
All ages	3,134	2,129	2,651	-32.1%	-15.4%
0 to 54	391 (12.5%)	275 (12.9%)	325 (12.3%)	-29.7%	-16.9%
55 to 64	456 (14.6%)	314 (14.7%)	383 (14.4%)	-31.1%	-16.0%
65 to 74	837 (26.7%)	524 (24.6%)	641 (24.2%)	-37.4%	-23.4%
75 and over	1,450 (46.3%)	1,016 (47.7%)	1,302 (49.1%)	-29.9%	-10.2%

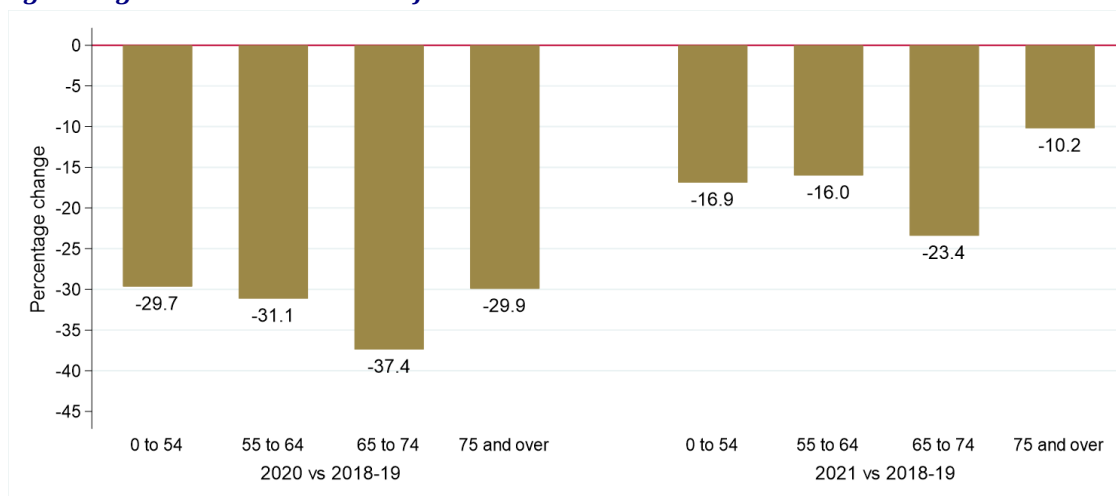
* Average cases per year rounded to the nearest integer. Column sums may thus differ slightly from the total.

Figure 3: Number of non-melanoma skin cancer cases diagnosed in April-December of 2018-2021 by age and period of diagnosis

(a) Number of cases diagnosed



(b) Percentage change over time in number of cases



HEALTH AND SOCIAL CARE TRUST

Excluding the first quarter of each year the number of cases of non-melanoma skin cancer diagnosed among those resident in Northern HSCT decreased by 30.6% from 865 per year in 2018-2019 to 600 in 2021. Between the same two time periods the number of cases of non-melanoma skin cancer diagnosed among those resident in Western HSCT decreased by 0.7% from 446 per year in 2018-2019 to 443 in 2021. The change in case distribution by Health and Social Care Trust between 2018-2019 and 2021 was statistically significant ($p < 0.001$).

Table 4: Number and proportion of non-melanoma skin cancer cases diagnosed in April-December of 2018-2021 by Health and Social Care Trust and period of diagnosis

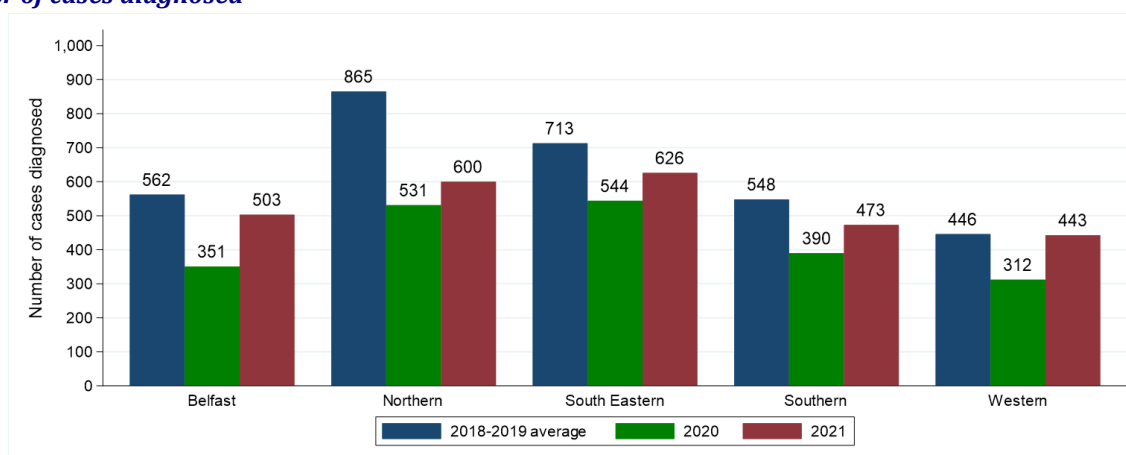
Health and Social Care Trust	Period of diagnosis (Apr-Dec)			Percentage change	
	2018-2019*	2020	2021	2020 vs 2018-2019	2021 vs 2018-2019
Northern Ireland	3,134	2,129	2,651	-32.1%	-15.4%
Belfast	562 (17.9%)	351 (16.5%)	503 (19.0%)	-37.5%	-10.5%
Northern	865 (27.6%)	531 (24.9%)	600 (22.6%)	-38.6%	-30.6%
South Eastern	713 (22.8%)	544 (25.6%)	626 (23.6%)	-23.7%	-12.2%
Southern	548 (17.5%)	390 (18.3%)	473 (17.8%)	-28.8%	-13.7%
Western	446 (14.2%)	312 (14.7%)	443 (16.7%)	-30.0%	-0.7%

* Average cases per year rounded to the nearest integer. Column sums may thus differ slightly from the total.

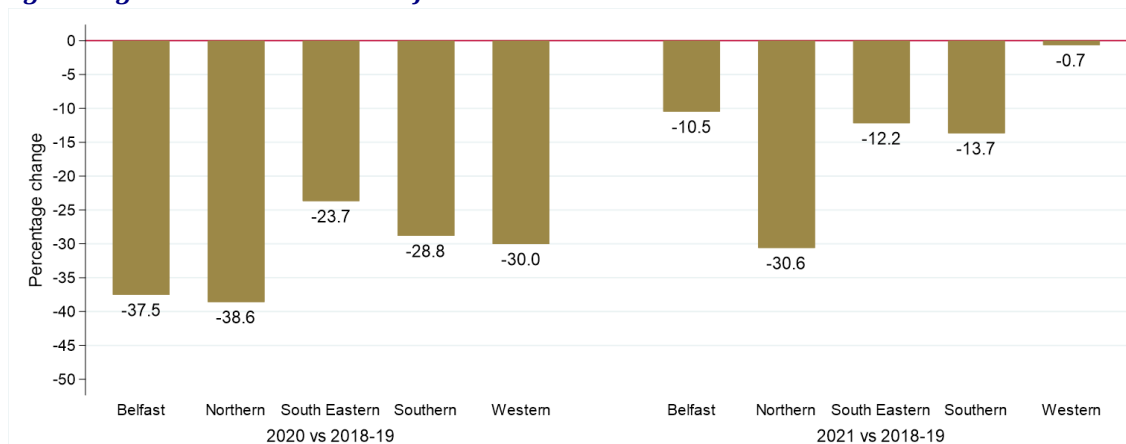
Note: Cases with unknown Health and Social Care Trust are included in totals.

Figure 4: Number of non-melanoma skin cancer cases diagnosed in April-December of 2018-2021 by Health and Social Care Trust and period of diagnosis

(a) Number of cases diagnosed



(b) Percentage change over time in number of cases



SOCIO-ECONOMIC DEPRIVATION

Excluding the first quarter of each year the number of cases of non-melanoma skin cancer diagnosed among those resident in the most deprived quintile decreased by 16.9% from 427 per year in 2018-2019 to 355 in 2021. Between the same two time periods the number of cases of non-melanoma skin cancer diagnosed among those resident in the least deprived quintile decreased by 15.8% from 796 per year in 2018-2019 to 670 in 2021. The change in case distribution by deprivation quintile between 2018-2019 and 2021 was not statistically significant.

Table 5: Number and proportion of non-melanoma skin cancer cases diagnosed in April-December of 2018-2021 by deprivation quintile and period of diagnosis

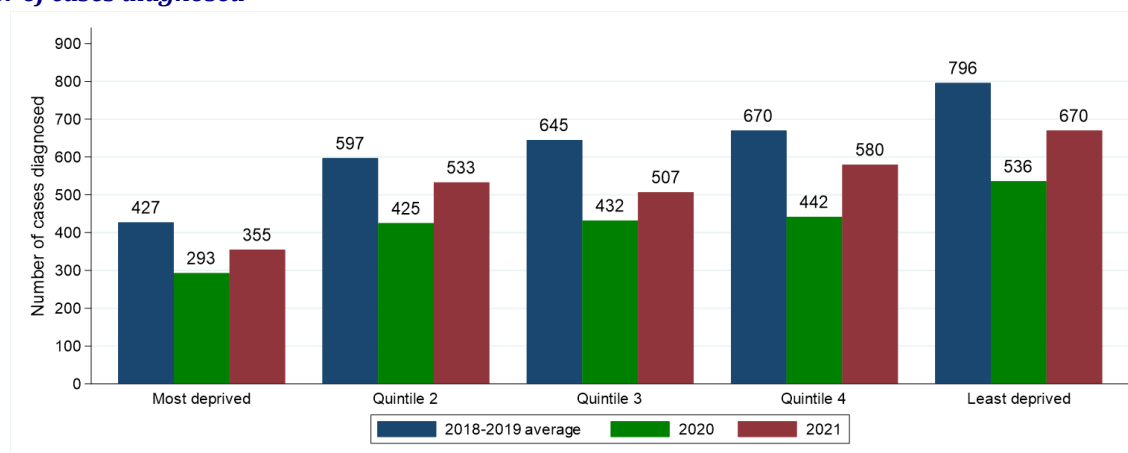
Deprivation quintile	Period of diagnosis (Apr-Dec)			Percentage change	
	2018-2019*	2020	2021	2020 vs 2018-2019	2021 vs 2018-2019
Northern Ireland	3,134	2,129	2,651	-32.1%	-15.4%
Most deprived	427 (13.6%)	293 (13.8%)	355 (13.4%)	-31.4%	-16.9%
Quintile 2	597 (19.0%)	425 (20.0%)	533 (20.1%)	-28.8%	-10.7%
Quintile 3	645 (20.6%)	432 (20.3%)	507 (19.1%)	-33.0%	-21.4%
Quintile 4	670 (21.4%)	442 (20.8%)	580 (21.9%)	-34.0%	-13.4%
Least deprived	796 (25.4%)	536 (25.2%)	670 (25.3%)	-32.7%	-15.8%

* Average cases per year rounded to the nearest integer. Column sums may thus differ slightly from the total.

Note: Cases with unknown deprivation quintile are included in totals.

Figure 5: Number of non-melanoma skin cancer cases diagnosed in April-December of 2018-2021 by deprivation quintile and period of diagnosis

(a) Number of cases diagnosed



(b) Percentage change over time in number of cases



MORTALITY

During the April-December period the number of deaths from non-melanoma skin cancer increased between 2018-2019 and 2021 by 3.7% from 27 deaths per year to 28 deaths.

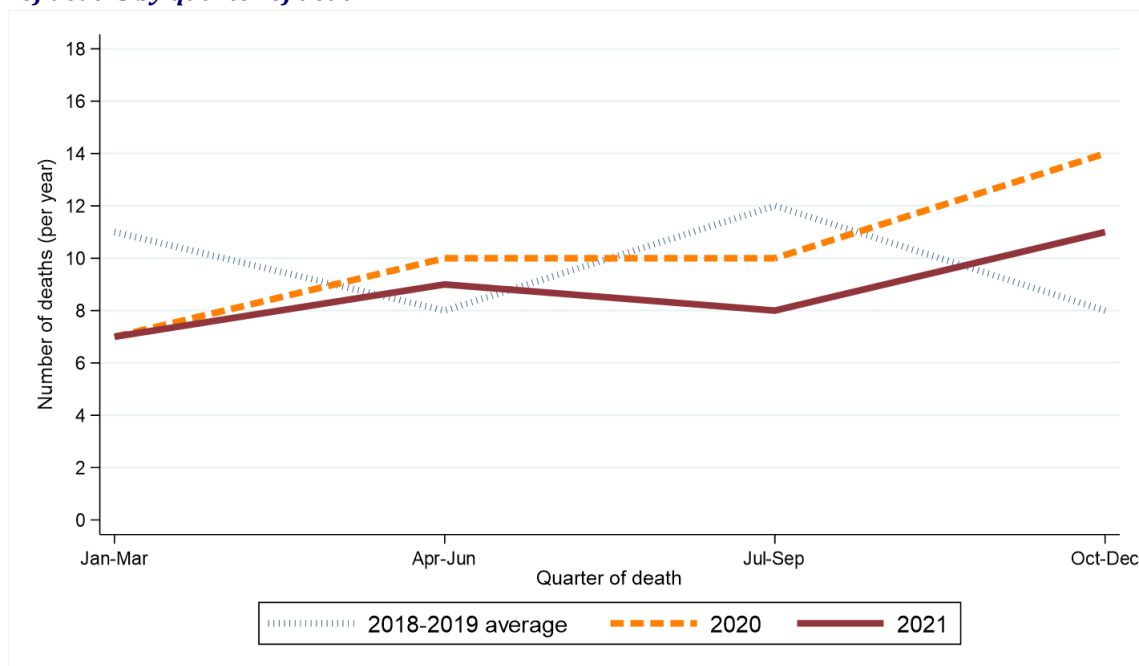
Table 6: Number of non-melanoma skin cancer deaths in 2018-2021 by quarter and year of death

Period of death	Annual total	Quarter of death			
		Jan-Mar	Apr-Jun	Jul-Sept	Oct-Dec
2018-2019*	38	11	8	12	8
2020	41	7	10	10	14
2021	35	7	9	8	11

* Average deaths per year rounded to the nearest integer. Row sums may thus differ slightly from the total.

Figure 6: Number of non-melanoma skin cancer deaths in 2018-2021 by quarter and year of death

(a) Number of deaths by quarter of death



(b) Percentage change over time in number of deaths by quarter of death

