

Table 3: Characteristics of people with HIV who died of/with COVID-19 by gender and ethnicity: England, 2nd March to 16th June 2020

		All		Gender				Ethnicity					
				Men		Women		White		Black		Other^^	
		n	%	n	%	n	%	n	%	n	%	n	%
Total		99		68		31		32		61		6	
Median age of death [IQR]		60 years [51-72 years]		61 years [53-74 years]		55 years [46-69 years]		66 years [50-77 years]		59 years [52-66 years]		64 years [40-73 years]	
Year diagnosed with HIV	2020	3	3.0%	3	4.4%	0	0%	2	6.3%	1	1.6%	0	0%
	2018-2019	6	6.1%	4	5.9%	2	6.5%	1	3.1%	5	8.2%	0	0%
	2006-2017	37	37%	25	37%	12	39%	11	34%	22	36%	4	67%
	<2006	53	54%	36	53%	17	55%	18	56%	33	54%	2	33%
Median time living with diagnosed HIV [IQR]		15 years [10-19 years]		15 years [9-21 years]		15 years [11-18 years]		15 years [10-25 years]		15 years [10-18 years]		13 years [10-16 years]	
Death within 3 months of HIV diagnosis		3	3.0%	3	4.4%	0	0%	2	6.3%	1	1.6%	0	0%
Death within 1 year of HIV diagnosis		5	5.1%	4	5.9%	1	3.2%	2	6.3%	3	4.9%	0	0%
Death within 1 month of COVID-19 diagnosis*		78	99%	57	100%	21	95%	25	96%	48	100%	5	100%
Not linked to HIV outpatient care before death		5	5.1%	4	5.9%	1	3.2%	2	6.3%	3	4.9%	0	0%
Year last attended for HIV outpatient care prior to death if linked	2020‡	28	30%	17	27%	11	35%	11	37%	16	28%	1	17%
	2018-2019	60	64%	40	63%	20	65%	15	50%	41	71%	4	67%
	2016-2017	5	5.3%	5	7.9%	0	0%	3	10%	1	1.7%	1	17%
	<2016	1	1.1%	1	1.6%	0	0%	1	3.3%	0	0%	0	0%
Ever on HIV treatment		98	99%	67	99%	31	100%	31	97%	61	100%	6	100%
Median time since HIV treatment initiation [IQR]		14 years [9-18 years]		14 years [9-19 years]		14 years [10-17 years]		14 years [9-22 years]		14 years [9-18 years]		12 years [10-16 years]	
HIV treatment at death		89	94%	59	91%	30	100%	26	87%	58	97%	5	100%
CD4 count (cells/mm ³)**	<50	1	1.4%	1	2.2%	0	0%	1	4.8%	0	0.0%	0	0%
	50-199	10	14%	9	20%	1	4.3%	4	19%	6	13%	0	0%
	200-349	18	26%	10	22%	8	35%	7	33%	9	20%	2	67%
	350-499	18	26%	14	30%	4	17%	4	19%	13	29%	1	33%
	≥500	22	32%	12	26%	10	43%	5	24%	17	38%	0	0%

Viral load measurement (copies/mL)**	<50	74	81%	49	80%	25	83%	22	79%	48	83%	4	80%
	50-199	9	10%	6	9.7%	3	10%	2	7.1%	6	10%	1	20%
	200-1,499	1	1.1%	1	1.6%	0	0%	0	0.0%	1	1.7%	0	0%
	≥1500	7	7.7%	5	7.8%	2	6.7%	4	14%	3	5.2%	0	0%
Co-morbidities†	Any co-morbidity	89	90%	62	91%	27	87%	27	84%	56	92%	6	100%
	Any COVID-19 co-morbidity^	82	87%	56	82%	26	84%	22	69%	55	90%	5	83%
	CVD (including hypertension)	57	69%	42	70%	15	65%	14	56%	38	72%	5	100%
	Hypertension	32	39%	24	40%	8	35%	5	20%	26	49%	1	20%
	Diabetes mellitus	40	48%	31	52%	9	39%	8	33%	28	52%	4	80%
	COPD	8	10%	5	9.3%	3	13%	5	22%	3	6.0%	0	0%
	CKD	32	41%	22	40%	10	43%	6	25%	22	44%	4	100%
	Obesity	34	49%	19	42%	15	60%	6	29%	27	42%	1	60%
Dementia/cognitive impairment	9	18%	5	15%	4	22%	4	27%	5	15%	0	0%	

1 month=28 days; 3 months=91 days; year=365 days; IQR=interquartile range; COPD=chronic obstructive pulmonary disease; CKD=chronic kidney disease; CVD=cardiovascular disease

*80% (n=79) of people with HIV who died of/with COVID-19 were confirmed (positive SARS-CoV-2 test result)

‡ Data for 2020 not complete - up to mid-June 2020.

**Measured within a year of death for people who died of/with COVID-19 and within a year of last attendance for the HIV population

†Detailed information available for those people with a mortality review form completed (n=94) for the remainder, information on co-morbidities was taken from the death certificate.

^Conditions more common in people who died of/with COVID-19 compared to of other causes (19)

^^Other ethnicity: Asian and other/mixed

Proportions may not add up to 100% due to rounding.

