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Table 1: Sample characteristics (n=469368)

Age	Mean	Range	S.D		
	46	18-114	19.25		
Age categories	18-44 (%)	45-64 (%)	65-85 (%)	85+ (%)	
	236070 (50.3)	138745 (29.6)	81784 (17.4)	12769 (2.7)	
Gender	Male (%)	Female (%)	Unknown (%)		
	236755 (50.4)	232608 (49.6)	5 (0.0)		
Smoking status	Current (%)	Unknown (%)			
	83462 (17.8)	340 906 (82.2)			
Index of multiple deprivation (IMD)	5 - least deprived (%)	4 (%)	3 (%)	2 (%)	1 – most deprived (%)
	81200 (17.3)	72097 (15.4)	76664 (16.3)	71708 (15.3)	155673 (33.2)

Table 2: Prevalence of individual long-term conditions

	LTC prevalence in total population (%)	LTC prevalence in individuals without depression (%)	LTC prevalence in individuals with depression (%)
Chronic Obstructive Pulmonary Disease	12087 (2.6)	8888 (2.3)	3199 (4.3)
Asthma	56327 (12.0)	43983 (11.2)	12344 (16.4)
Diabetes	30164 (6.4)	23565 (6.0)	6599 (8.8)
Hypertension	76298 (16.3)	61550 (15.6)	14748 (19.6)
Cardiovascular disease	49629 (10.6)	38209 (9.7)	11420 (15.2)
Angina	10374 (2.2)	7897 (2.0)	2477 (3.3)
Atrial Fibrillation	33207 (7.1)	24907 (6.3)	8300 (11.1)
Heart failure	6041 (1.3)	4850 (1.2)	1191 (1.6)
Ischaemic Heart Disease	20682 (4.4)	16223 (4.1)	4459 (5.9)
Peripheral Vascular Disease	4013 (0.9)	3161 (0.8)	852 (1.1)
Cerebrovascular accident	11625 (2.5)	9012 (2.3)	2613 (3.5)
Transient Ischemic Attack	5907 (1.3)	4570 (1.2)	1337 (1.8)
Stroke	7042 (1.5)	5456 (1.4)	1586 (2.1)
Chronic Kidney Disease	20378 (4.3)	16591 (4.1)	3787 (5.0)
Hypothyroidism	20862 (4.4)	15534 (3.9)	5328 (7.1)
Cancer	18082 (3.9)	14446 (3.7)	3636 (4.8)
Epilepsy	6496 (1.4)	4990 (1.3)	1506 (2.0)
Dementia	4952 (1.1)	3724 (0.9)	1228 (1.6)
Serious Mental Illness	5102 (1.1)	2709 (0.7)	2393 (3.2)
Learning disability	3046 (0.6)	2595 (0.7)	451 (0.6)
Depression	75107 (16.0)		

Table 3: Predictors of access to unscheduled care in individuals with ≥ 1 long-term condition

Variable	B	S.E.	Wald	df	p	Odds ratio	95% C.I. for ORs	
							Lower	Upper
Age								
18-44 (reference)								
45-64	-.240	.017	193.624	1	.000**	.787	.761	.814
65-84	-.184	.017	113.945	1	.000**	.832	.804	.860
85+	.362	.026	193.804	1	.000**	1.436	1.365	1.511
Gender								
Male (reference)								
Females	.058	.011	27.750	1	.000**	1.060	1.037	1.083
IMD								
IMD 5: 20% least deprived (reference)								
IMD 4: 60-80% most deprived	.040	.020	4.038	1	.044*	1.040	1.001	1.081
IMD 3: 40-60% most deprived	.079	.019	16.928	1	.000**	1.082	1.042	1.123
IMD 2: 20-40% most deprived	.149	.020	54.601	1	.000**	1.160	1.115	1.207
IMD 1: 20% most deprived	.293	.016	319.749	1	.000**	1.340	1.298	1.384
No. of LTCs	.268	.006	2295.86 3	1	.000**	1.307	1.293	1.322
Diagnosis of depression								
No (reference)								
Yes	.466	.025	337.985	1	.000**	1.594	1.517	1.675
Interaction between age and depression								
18-44 (reference)								
45-64	-.078	.033	5.606	1	.018*	.925	.867	.987
65-84	-.219	.034	40.761	1	.000**	.804	.751	.859
85+	-.356	.060	35.120	1	.000**	.700	.622	.788

*Significant at $p < .05$

**Significant at $p < 0.001$ (significant at Bonferroni correct alpha value of 0.004)