

Supplementary table 1:

Cohort characteristics and ratios of the proportions for individuals within specific cohorts for entire population

Characteristics		Census (B)	WDS and Census (C)	Census only (E)	B:C	E:C	E:B
Sex	Male	1,443,371 (48.7%)	1,166,262 (47.8%)	277,109 (52.8%)	1.02	1.10	1.08
	Female	1,521,825 (51.3%)	1,273,929 (52.2%)	247,896 (47.2%)	0.98	0.90	0.92
Age group	0-15	509,846 (17.2%)	438,172 (18%)	71,674 (13.7%)	0.96	0.76	0.79
	16-30	514,868 (17.4%)	394,175 (16.2%)	120,693 (23%)	1.07	1.42	1.32
	31-45	526,279 (17.7%)	425,546 (17.4%)	100,733 (19.2%)	1.02	1.10	1.08
	46-60	614,058 (20.7%)	517,685 (21.2%)	96,373 (18.4%)	0.98	0.87	0.89
	61-74	505,577 (17.1%)	423,955 (17.4%)	81,622 (15.5%)	0.98	0.90	0.91
	75+	294,568 (9.9%)	240,658 (9.9%)	53,910 (10.3%)	1.01	1.04	1.03
Ethnicity	Asian, Asian British Or Asian Welsh	80,302 (2.7%)	60,053 (2.5%)	20,249 (3.9%)	1.10	1.57	1.42
	Black, Black British, Black Welsh, Caribbean Or African	24,128 (0.8%)	17,463 (0.7%)	6,665 (1.3%)	1.13	1.76	1.57
	Mixed Or Multiple Ethnic Groups	44,745 (1.5%)	35,376 (1.4%)	9,369 (1.8%)	1.04	1.23	1.18
	Other Ethnic Group	23,858 (0.8%)	18,213 (0.7%)	5,645 (1.1%)	1.07	1.44	1.35
	White	2,792,163 (94.2%)	2,309,086 (94.6%)	483,077 (92%)	1.00	0.97	0.98
LGBTQ+ status	Missing	725,757 (24.5%)	599,676 (24.6%)	126,081 (24%)	1.00	0.98	0.98
	Person Is LGBTQ+	77,430 (2.6%)	58,297 (2.4%)	19,133 (3.6%)	1.09	1.52	1.39
	Person Is Not LGBTQ+	2,162,009 (72.9%)	1,782,218 (73%)	379,791 (72.3%)	1.00	0.99	0.99
Year arrive UK	Arrived After 2000	138,179 (4.7%)	99,978 (4.1%)	38,201 (7.3%)	1.14	1.78	1.56
	Arrived Up To 2000	59,826 (2%)	48,519 (2%)	11,307 (2.2%)	1.02	1.08	1.06

	Born In UK	2,767,191 (93.3%)	2,291,694 (93.9%)	475,497 (90.6%)	0.99	0.96	0.97
Marital status	Married/Civil Partnership	1,101,207 (37.1%)	933,492 (38.3%)	167,715 (31.9%)	0.97	0.84	0.86
	Missing	477,847 (16.1%)	410,086 (16.8%)	67,761 (12.9%)	0.96	0.77	0.80
	Never Married/Civil Partnership	921,328 (31.1%)	721,373 (29.6%)	199,955 (38.1%)	1.05	1.29	1.23
	Separated/Divorced/Widowed	464,814 (15.7%)	375,240 (15.4%)	89,574 (17.1%)	1.02	1.11	1.09
Religion	Christian	1,308,664 (44.1%)	1,094,057 (44.8%)	214,607 (40.9%)	0.98	0.91	0.93
	Missing	183,653 (6.2%)	141,873 (5.8%)	41,780 (8%)	1.07	1.37	1.29
	No Religion	1,371,452 (46.3%)	1,125,277 (46.1%)	246,175 (46.9%)	1.00	1.02	1.01
	Non-Christian Religion	101,427 (3.4%)	78,984 (3.2%)	22,443 (4.3%)	1.06	1.32	1.25
Highest qualification	Higher Level Qualifications	779,151 (26.3%)	634,356 (26%)	144,795 (27.6%)	1.01	1.06	1.05
	Intermediate	1,133,231 (38.2%)	937,270 (38.4%)	195,961 (37.3%)	1.00	0.97	0.98
	Lower Level Qualifications	566,072 (19.1%)	473,365 (19.4%)	92,707 (17.7%)	0.98	0.91	0.93
	No Qualifications	486,742 (16.4%)	395,200 (16.2%)	91,542 (17.4%)	1.01	1.08	1.06
Activity last week	Economically Inactive	1,058,298 (35.7%)	863,049 (35.4%)	195,249 (37.2%)	1.01	1.05	1.04
	Missing	510,302 (17.2%)	438,628 (18%)	71,674 (13.7%)	0.96	0.76	0.79
	Unemployed	73,481 (2.5%)	57,829 (2.4%)	15,652 (3%)	1.05	1.26	1.20
	Working	1,323,115 (44.6%)	1,080,685 (44.3%)	242,430 (46.2%)	1.01	1.04	1.03
Is carer	Carer	301,715 (10.2%)	255,425 (10.5%)	46,290 (8.8%)	0.97	0.84	0.87
	Missing	143,099 (4.8%)	119,843 (4.9%)	23,256 (4.4%)	0.98	0.90	0.92
	Not A Carer	2,520,382 (85%)	2,064,923 (84.6%)	455,459 (86.8%)	1.00	1.03	1.02

Disability	Disability	837,547 (28.2%)	696,690 (28.6%)	140,857 (26.8%)	0.99	0.94	0.95
	No Disability	2,127,649 (71.8%)	1,743,501 (71.4%)	384,148 (73.2%)	1.00	1.02	1.02
Accommodation ownership	Communal Establishment	40,672 (1.4%)	18,375 (0.8%)	22,297 (4.2%)	1.83	5.67	3.10
	Home Owner (Owns Outright)	958,445 (32.3%)	810,728 (33.2%)	147,717 (28.1%)	0.97	0.85	0.87
	Home Owner (With Mortgage)	1,024,398 (34.5%)	868,144 (35.6%)	156,254 (29.8%)	0.97	0.84	0.86
	Rental	941,681 (31.8%)	742,944 (30.4%)	198,737 (37.9%)	1.04	1.24	1.19
Household deprivation	Household Deprived In One Or More Dimension	1,507,526 (50.8%)	1,249,283 (51.2%)	258,243 (49.2%)	0.99	0.96	0.97
	Household Not Deprived In Any Dimension	1,416,998 (47.8%)	1,172,533 (48.1%)	244,465 (46.6%)	0.99	0.97	0.97
	Missing	40,672 (1.4%)	18,375 (0.8%)	22,297 (4.2%)	1.83	5.67	3.10