

## Supplementary material

**Table S1 Sample selection and number of participants**

Inclusion criteria	Cohort size
Enumerated at 2011 Census in England and Wales, aged 18 to 64 years on 28 February 2022	33,073,531
Linked to NHS 2011-2013 Patient Register	30,905,690
Alive on 28 February 2022	30,443,739
Linked to 2019 English primary care records	26,537,407
Linked to Census 2021 and living in England	20,774,863
Employed and gave occupation information at Census 2021	15,551,429
Had not received a vaccination before 8 December 2020 (first and second vaccinations) or 16 September 2021 (third vaccinations)	15,546,651

**Table S2 Variables used in the analyses**

Variable	Coding	Source
Vaccinated	Received three COVID-19 vaccinations by 28 February 2022	NIMS
Occupation	SOC sub-major groups; SOC unit groups	Census 2021
Age	Age bands (18-24, 25-34, 35-44, 45-54, 55-64)	2011 Census
Sex	Female, Male	2011 Census
Ethnicity	White British, Bangladeshi, Black African, Black Caribbean, Chinese, Indian, Mixed, Other, Pakistani, White other	2011 Census
Region	NUTS1 region of residence	Census 2021
Disability status	Non-disabled, disabled (limited a little), disabled (limited a lot)	2011 Census
Highest level of qualification	Level 4+ (Degree or equivalent), Level 3 (A-level or equivalent), Apprenticeship, Level 2 (GCSE or equivalent), Level 1, Other, No qualification, Not classified	2011 Census
Pre-existing condition	At least one condition identified as a risk factor for COVID-19 in the QCovid risk model	GPES/HES

Table S3 Third vaccination coverage and odds ratios for having received three vaccinations for SOC sub-major groups

Occupation	Population	Number of people who had received three vaccinations	Proportion of people who had received three vaccinations	Age-standardised proportion of people who had received three vaccinations	Unadjusted OR for having received three vaccinations	Fully adjusted OR for having received three vaccinations
Corporate Managers and Directors	1,387,815	1150400	82.9 (82.8 - 83.0)	75.1 (75.0 - 75.3)	2.73 (2.71 - 2.74)	1.66 (1.65 - 1.67)
Other Managers and Proprietors	645,290	505840	78.4 (78.3 - 78.5)	71.3 (71.1 - 71.5)	2.04 (2.03 - 2.06)	1.34 (1.33 - 1.35)
Science, Research, Engineering and Technology Professionals	762,525	625995	82.1 (82.0 - 82.2)	80.1 (79.9 - 80.3)	2.58 (2.56 - 2.60)	2.13 (2.11 - 2.14)
Health Professionals	725,680	614985	84.7 (84.7 - 84.8)	82.7 (82.5 - 83.0)	3.13 (3.10 - 3.15)	2.61 (2.59 - 2.64)
Teaching and Other Educational Professionals	732,190	612200	83.6 (83.5 - 83.7)	81.3 (81.0 - 81.5)	2.87 (2.85 - 2.89)	2.09 (2.07 - 2.10)
Business, Media and Public Service Professionals	1,021,545	844800	82.7 (82.6 - 82.8)	81.0 (80.8 - 81.2)	2.69 (2.67 - 2.71)	2.28 (2.26 - 2.29)
Science, Engineering and Technology Associate Professionals	291,125	220145	75.6 (75.5 - 75.8)	75.5 (75.2 - 75.8)	1.74 (1.73 - 1.76)	1.67 (1.65 - 1.69)
Health and Social Care Associate Professionals	376,725	282995	75.1 (75.0 - 75.3)	73.5 (73.2 - 73.8)	1.70 (1.68 - 1.71)	1.40 (1.39 - 1.41)
Protective Service Occupations	184,645	143065	77.5 (77.3 - 77.7)	76.2 (75.7 - 76.6)	1.94 (1.91 - 1.96)	1.66 (1.64 - 1.68)
Culture, Media and Sports Occupations	283,580	208750	73.6 (73.5 - 73.8)	73.6 (73.3 - 73.9)	1.57 (1.56 - 1.58)	1.38 (1.37 - 1.39)
Business and Public Service Associate Professionals	976,120	767435	78.6 (78.5 - 78.7)	77.6 (77.4 - 77.8)	2.07 (2.06 - 2.08)	1.83 (1.82 - 1.84)
Administrative Occupations	1,244,505	962670	77.4 (77.3 - 77.4)	74.2 (74.0 - 74.4)	1.92 (1.91 - 1.93)	1.60 (1.59 - 1.61)
Secretarial and Related Occupations	353,415	282350	79.9 (79.8 - 80.0)	73.9 (73.6 - 74.2)	2.23 (2.21 - 2.25)	1.57 (1.56 - 1.59)
Skilled Agricultural and Related Trades	147,700	108750	73.6 (73.4 - 73.9)	67.3 (66.9 - 67.8)	1.57 (1.55 - 1.59)	1.02 (1.01 - 1.04)
Skilled Metal, Electrical and Electronic Trades	538,290	352295	65.4 (65.3 - 65.6)	62.9 (62.7 - 63.1)	1.07 (1.06 - 1.07)	0.86 (0.86 - 0.87)
Skilled Construction and Building Trades	538,660	332650	61.8 (61.6 - 61.9)	56.6 (56.4 - 56.8)	0.91 (0.90 - 0.91)	0.67 (0.67 - 0.68)
Textiles, Printing and Other Skilled Trades	260,540	178240	68.4 (68.2 - 68.6)	64.7 (64.4 - 65.0)	1.22 (1.21 - 1.23)	1.07 (1.06 - 1.08)
Caring Personal Service Occupations	1,193,290	851300	71.3 (71.3 - 71.4)	69.6 (69.4 - 69.7)	1.40 (1.39 - 1.41)	1.28 (1.27 - 1.29)
Leisure, Travel and Related Personal Service Occupations	312,520	204500	65.4 (65.3 - 65.6)	64.4 (64.1 - 64.6)	1.07 (1.06 - 1.07)	0.95 (0.94 - 0.96)
Community and Civil Enforcement Occupations	13,015	10035	77.1 (76.4 - 77.8)	74.5 (72.9 - 76.0)	1.89 (1.82 - 1.97)	1.64 (1.57 - 1.71)
Sales Occupations	943,990	610320	64.7 (64.6 - 64.7)	66.2 (66.0 - 66.3)	1.03 (1.02 - 1.03)	1.13 (1.13 - 1.14)
Customer Service Occupations	245,825	160215	65.2 (65.0 - 65.4)	68.8 (68.5 - 69.1)	1.05 (1.04 - 1.06)	1.24 (1.23 - 1.26)

Process, Plant and Machine Operatives	395,640	263240	66.5 (66.4 - 66.7)	60.6 (60.4 - 60.9)	1.12 (1.11 - 1.13)	0.92 (0.91 - 0.93)
Transport and Mobile Machine Drivers and Operatives	571,875	399655	69.9 (69.8 - 70.0)	58.9 (58.6 - 59.1)	1.31 (1.30 - 1.31)	1.01 (1.00 - 1.01)
Elementary Trades and Related Occupations	194,800	112275	57.6 (57.4 - 57.9)	57.2 (56.9 - 57.6)	0.77 (0.76 - 0.77)	0.76 (0.76 - 0.77)
Elementary Administration and Service Occupations	1,205,340	771390	64.0 (63.9 - 64.1)	62.0 (61.9 - 62.2)	(Reference)	(Reference)

Note: ONS Public Health Data Asset and NHS England National Immunisation Management System. The reference category for the ORs is Elementary Administration and Service Occupations. The fully adjusted model includes sex, age band, ethnicity, region, highest level of qualification, disability status and pre-existing health condition.

**Table S4 Vaccination coverage for SOC sub-major groups**

Occupation	Population	Proportion of people who had not received a vaccination (%)	Proportion of people who had received one vaccination only (%)	Proportion of people who had received two vaccinations only (%)	Proportion of people who had received three vaccinations (%)
Corporate Managers and Directors	1,387,815	4.5 (4.5 - 4.6)	1.0 (1.0 - 1.1)	11.5 (11.5 - 11.6)	82.9 (82.8 - 83.0)
Other Managers and Proprietors	645,290	6.0 (5.9 - 6.0)	1.4 (1.4 - 1.4)	14.2 (14.1 - 14.3)	78.4 (78.3 - 78.5)
Science, Research, Engineering and Technology Professionals	762,525	4.7 (4.6 - 4.7)	1.1 (1.1 - 1.1)	12.2 (12.1 - 12.2)	82.1 (82.0 - 82.2)
Health Professionals	725,680	3.1 (3.1 - 3.2)	1.4 (1.3 - 1.4)	10.8 (10.7 - 10.8)	84.7 (84.7 - 84.8)
Teaching and Other Educational Professionals	732,190	4.2 (4.2 - 4.3)	1.0 (1.0 - 1.0)	11.1 (11.1 - 11.2)	83.6 (83.5 - 83.7)
Business, Media and Public Service Professionals	1,021,545	4.3 (4.3 - 4.4)	1.1 (1.0 - 1.1)	11.9 (11.9 - 12.0)	82.7 (82.6 - 82.8)
Science, Engineering and Technology Associate Professionals	291,125	6.6 (6.5 - 6.7)	1.6 (1.6 - 1.7)	16.2 (16.0 - 16.3)	75.6 (75.5 - 75.8)
Health and Social Care Associate Professionals	376,725	7.2 (7.1 - 7.3)	1.7 (1.7 - 1.8)	15.9 (15.8 - 16.0)	75.1 (75.0 - 75.3)
Protective Service Occupations	184,645	4.7 (4.6 - 4.8)	1.4 (1.4 - 1.5)	16.4 (16.2 - 16.5)	77.5 (77.3 - 77.7)
Culture, Media and Sports Occupations	283,580	8.6 (8.5 - 8.7)	1.8 (1.7 - 1.8)	16.0 (15.9 - 16.2)	73.6 (73.5 - 73.8)
Business and Public Service Associate Professionals	976,120	5.5 (5.5 - 5.6)	1.4 (1.4 - 1.4)	14.4 (14.4 - 14.5)	78.6 (78.5 - 78.7)
Administrative Occupations	1,244,505	6.4 (6.4 - 6.4)	1.6 (1.6 - 1.6)	14.6 (14.6 - 14.7)	77.4 (77.3 - 77.4)
Secretarial and Related Occupations	353,415	5.8 (5.8 - 5.9)	1.5 (1.5 - 1.6)	12.7 (12.6 - 12.8)	79.9 (79.8 - 80.0)
Skilled Agricultural and Related Trades	147,700	8.9 (8.8 - 9.1)	2.3 (2.2 - 2.4)	15.1 (15.0 - 15.3)	73.6 (73.4 - 73.9)
Skilled Metal, Electrical and Electronic Trades	538,290	10.3 (10.2 - 10.4)	2.6 (2.5 - 2.6)	21.7 (21.6 - 21.8)	65.4 (65.3 - 65.6)
Skilled Construction and Building Trades	538,660	12.7 (12.6 - 12.7)	3.2 (3.2 - 3.3)	22.4 (22.3 - 22.5)	61.8 (61.6 - 61.9)
Textiles, Printing and Other Skilled Trades	260,540	8.4 (8.3 - 8.5)	2.6 (2.5 - 2.6)	20.6 (20.4 - 20.8)	68.4 (68.2 - 68.6)
Caring Personal Service Occupations	1,193,290	6.6 (6.5 - 6.6)	2.3 (2.3 - 2.3)	19.8 (19.7 - 19.9)	71.3 (71.3 - 71.4)

Leisure, Travel and Related Personal Service Occupations	312,520	10.5 (10.4 - 10.6)	2.7 (2.6 - 2.7)	21.4 (21.3 - 21.6)	65.4 (65.3 - 65.6)
Community and Civil Enforcement Occupations	13,015	6.0 (5.5 - 6.4)	1.7 (1.4 - 1.9)	15.4 (14.7 - 16.0)	77.1 (76.4 - 77.8)
Sales Occupations	943,990	9.7 (9.7 - 9.8)	3.1 (3.0 - 3.1)	22.6 (22.5 - 22.7)	64.7 (64.6 - 64.7)
Customer Service Occupations	245,825	10.2 (10.1 - 10.4)	3.0 (3.0 - 3.1)	21.5 (21.4 - 21.7)	65.2 (65.0 - 65.4)
Process, Plant and Machine Operatives	395,640	10.9 (10.8 - 11.0)	2.5 (2.5 - 2.6)	20.1 (19.9 - 20.2)	66.5 (66.4 - 66.7)
Transport and Mobile Machine Drivers and Operatives	571,875	9.5 (9.4 - 9.5)	2.0 (2.0 - 2.1)	18.6 (18.5 - 18.7)	69.9 (69.8 - 70.0)
Elementary Trades and Related Occupations	194,800	15.1 (14.9 - 15.2)	3.9 (3.8 - 4.0)	23.4 (23.2 - 23.6)	57.6 (57.4 - 57.9)
Elementary Administration and Service Occupations	1,205,340	10.9 (10.8 - 10.9)	3.1 (3.1 - 3.2)	22.0 (21.9 - 22.0)	64.0 (63.9 - 64.1)

Note: ONS Public Health Data Asset and NHS England National Immunisation Management System.

**Table S5 Third vaccination coverage and odds ratios for having received three vaccinations for SOC unit groups**

Occupation	Population	Number of people who had received three vaccinations	Proportion of people who had received three vaccinations	Age-standardised proportion of people who had received three vaccinations	Unadjusted OR for having received three vaccinations	Fully adjusted OR for having received three vaccinations
Chief Executives and Senior Officials	61,700	54,610	88.5 (88.3 - 88.8)	78.6 (77.5 - 79.7)	4.57 (4.46 - 4.69)	2.04 (1.99 - 2.10)
Elected Officers and Representatives	2,495	2,160	86.6 (85.2 - 87.9)	78.6 (74.3 - 83.0)	3.89 (3.46 - 4.37)	1.94 (1.71 - 2.20)
Production Managers and Directors in Manufacturing	170,430	142,765	83.8 (83.6 - 83.9)	73.9 (73.3 - 74.5)	3.07 (3.02 - 3.11)	1.42 (1.40 - 1.44)
Production Managers and Directors in Construction	175,480	135,060	77.0 (76.8 - 77.2)	66.6 (66.1 - 67.1)	1.98 (1.96 - 2.01)	0.94 (0.93 - 0.95)
Production Managers and Directors in Mining and Energy	11,515	9,605	83.4 (82.7 - 84.1)	74.9 (72.5 - 77.3)	2.96 (2.82 - 3.11)	1.43 (1.36 - 1.50)
Financial Managers and Directors	212,925	184,880	86.8 (86.7 - 87.0)	79.9 (79.3 - 80.4)	3.92 (3.86 - 3.97)	2.13 (2.10 - 2.16)
Marketing, Sales and Advertising Directors	104,305	91,155	87.4 (87.2 - 87.6)	79.8 (78.9 - 80.7)	4.11 (4.04 - 4.19)	2.13 (2.08 - 2.17)
Public Relations and Communications Directors	12,410	11,415	92.0 (91.5 - 92.5)	84.4 (79.9 - 89.0)	6.86 (6.42 - 7.32)	3.06 (2.86 - 3.27)
Purchasing Managers and Directors	24,370	21,390	87.8 (87.4 - 88.2)	81.6 (79.9 - 83.3)	4.26 (4.10 - 4.43)	2.24 (2.15 - 2.33)
Charitable Organisation Managers and Directors	11,500	10,180	88.5 (87.9 - 89.1)	83.6 (80.7 - 86.4)	4.57 (4.31 - 4.84)	2.33 (2.19 - 2.47)
Human Resource Managers and Directors	111,255	94,240	84.7 (84.5 - 84.9)	79.2 (78.5 - 80.0)	3.29 (3.24 - 3.35)	1.90 (1.86 - 1.93)

Information Technology Directors	69,515	60,485	87.0 (86.8 - 87.3)	77.8 (76.6 - 79.1)	3.98 (3.89 - 4.07)	1.80 (1.75 - 1.84)
Functional Managers and Directors n.e.c.	59,510	52,290	87.9 (87.6 - 88.1)	80.7 (79.3 - 82.1)	4.30 (4.19 - 4.41)	2.02 (1.97 - 2.07)
Directors in Logistics, Warehousing and Transport	8,440	6,860	81.3 (80.4 - 82.1)	69.1 (66.1 - 72.2)	2.58 (2.44 - 2.72)	1.20 (1.14 - 1.28)
Managers and Directors in Retail and Wholesale	261,585	195,810	74.9 (74.7 - 75.0)	69.8 (69.5 - 70.2)	1.77 (1.75 - 1.79)	1.15 (1.14 - 1.17)
Officers in Armed Forces	2,555	2,120	83.0 (81.5 - 84.4)	79.1 (75.6 - 82.7)	2.87 (2.59 - 3.18)	1.72 (1.54 - 1.93)
Senior Police Officers	4,955	4,600	92.8 (92.1 - 93.6)	83.4 (75.6 - 91.2)	7.66 (6.87 - 8.53)	3.24 (2.90 - 3.61)
Senior Officers in Fire, Ambulance, Prison and Related Services	5,375	4,530	84.3 (83.3 - 85.3)	72.9 (69.7 - 76.0)	3.24 (3.01 - 3.49)	1.48 (1.36 - 1.59)
Health Services and Public Health Managers and Directors	44,395	39,180	88.3 (88.0 - 88.6)	82.1 (80.9 - 83.3)	4.46 (4.33 - 4.59)	2.34 (2.27 - 2.42)
Social Services Managers and Directors	33,125	27,085	81.8 (81.4 - 82.2)	75.6 (74.4 - 76.9)	2.66 (2.59 - 2.74)	1.50 (1.45 - 1.54)
Managers and Proprietors in Agriculture and Horticulture	13,475	11,425	84.8 (84.2 - 85.4)	77.2 (75.4 - 78.9)	3.28 (3.13 - 3.44)	1.45 (1.38 - 1.53)
Managers and Proprietors in Forestry, Fishing and Related Services	12,570	9,830	78.2 (77.5 - 78.9)	69.4 (67.7 - 71.2)	2.13 (2.04 - 2.22)	1.00 (0.95 - 1.04)
Hotel and Accommodation Managers and Proprietors	18,230	14,475	79.4 (78.8 - 80.0)	73.0 (71.6 - 74.4)	2.29 (2.21 - 2.38)	1.33 (1.28 - 1.39)
Restaurant and Catering Establishment Managers and Proprietors	63,585	42,520	66.9 (66.5 - 67.2)	65.2 (64.6 - 65.9)	1.20 (1.18 - 1.22)	1.01 (1.00 - 1.03)
Publicans and Managers of Licensed Premises	15,000	10,430	69.5 (68.8 - 70.3)	68.1 (66.7 - 69.4)	1.35 (1.31 - 1.40)	0.92 (0.88 - 0.95)
Leisure and Sports Managers	37,240	28,090	75.4 (75.0 - 75.9)	73.2 (72.2 - 74.1)	1.82 (1.78 - 1.87)	1.16 (1.13 - 1.19)
Travel Agency Managers and Proprietors	6,115	5,135	84.0 (83.1 - 84.9)	77.7 (74.7 - 80.7)	3.12 (2.91 - 3.34)	1.83 (1.70 - 1.96)
Health Care Practice Managers	13,920	11,995	86.2 (85.6 - 86.7)	80.1 (77.8 - 82.4)	3.71 (3.54 - 3.90)	2.00 (1.90 - 2.11)
Residential, Day and Domiciliary Care Managers and Proprietors	33,805	27,680	81.9 (81.5 - 82.3)	75.6 (74.3 - 76.8)	2.68 (2.61 - 2.76)	1.48 (1.44 - 1.53)
Early Education and Childcare Services Proprietors	3,155	2,550	80.8 (79.5 - 82.2)	70.0 (65.1 - 74.9)	2.46 (2.25 - 2.68)	1.11 (1.01 - 1.22)
Managers in Transport and Distribution	55,725	44,000	79.0 (78.6 - 79.3)	71.1 (70.2 - 71.9)	2.23 (2.18 - 2.27)	1.26 (1.23 - 1.29)
Managers in Storage and Warehousing	31,210	23,370	74.9 (74.4 - 75.4)	69.1 (68.1 - 70.1)	1.77 (1.72 - 1.82)	1.16 (1.12 - 1.19)
Managers in Logistics	12,550	10,465	83.4 (82.7 - 84.0)	77.1 (75.2 - 79.0)	2.99 (2.85 - 3.13)	1.79 (1.70 - 1.88)
Property, Housing and Estate Managers	103,960	83,930	80.7 (80.5 - 81.0)	72.0 (71.4 - 72.7)	2.49 (2.45 - 2.53)	1.27 (1.25 - 1.30)
Garage Managers and Proprietors	19,565	14,465	73.9 (73.3 - 74.5)	61.9 (60.6 - 63.3)	1.68 (1.63 - 1.74)	0.78 (0.75 - 0.81)
Hairdressing and Beauty Salon Managers and Proprietors	9,885	6,455	65.3 (64.4 - 66.2)	63.9 (62.1 - 65.7)	1.12 (1.08 - 1.17)	0.74 (0.70 - 0.77)

Waste Disposal and Environmental Services Managers	7,760	5,895	76.0 (75.0 - 76.9)	66.1 (64.0 - 68.1)	1.88 (1.78 - 1.98)	0.95 (0.89 - 1.00)
Managers and Directors in the Creative Industries	40,850	35,510	86.9 (86.6 - 87.3)	80.2 (78.9 - 81.6)	3.95 (3.84 - 4.07)	1.83 (1.77 - 1.89)
Betting Shop and Gambling Establishment Managers	4,255	2,975	69.9 (68.5 - 71.3)	65.7 (63.2 - 68.3)	1.38 (1.29 - 1.47)	0.97 (0.90 - 1.04)
Hire Services Managers and Proprietors	9,210	7,170	77.9 (77.0 - 78.7)	71.2 (69.3 - 73.1)	2.08 (1.98 - 2.19)	1.24 (1.17 - 1.31)
Directors in Consultancy Services	37,130	33,240	89.5 (89.2 - 89.8)	79.9 (77.7 - 82.0)	5.08 (4.91 - 5.25)	1.99 (1.92 - 2.06)
Managers and Proprietors in Other Services n.e.c.	96,075	74,250	77.3 (77.0 - 77.5)	69.1 (68.5 - 69.8)	2.02 (1.99 - 2.05)	1.08 (1.06 - 1.10)
Chemical Scientists	5,385	4,415	82.0 (81.0 - 83.0)	82.3 (79.8 - 84.9)	2.70 (2.52 - 2.89)	2.39 (2.22 - 2.58)
Biological Scientists	8,015	6,815	85.0 (84.2 - 85.8)	83.3 (81.2 - 85.5)	3.36 (3.16 - 3.57)	2.19 (2.05 - 2.34)
Biochemists and Biomedical Scientists	21,260	18,015	84.7 (84.3 - 85.2)	84.3 (83.0 - 85.7)	3.30 (3.18 - 3.42)	3.07 (2.94 - 3.19)
Physical Scientists	4,055	3,595	88.7 (87.7 - 89.6)	88.1 (84.9 - 91.3)	4.69 (4.26 - 5.17)	3.32 (3.00 - 3.67)
Social and Humanities Scientists	4,550	3,995	87.8 (86.9 - 88.8)	87.4 (84.5 - 90.3)	4.34 (3.97 - 4.74)	3.32 (3.02 - 3.65)
Natural and Social Science Professionals n.e.c.	10,000	8,845	88.5 (87.8 - 89.1)	87.8 (85.8 - 89.9)	4.53 (4.26 - 4.82)	3.53 (3.31 - 3.76)
Civil Engineers	29,825	23,075	77.4 (76.9 - 77.8)	76.1 (75.1 - 77.1)	2.03 (1.98 - 2.09)	1.54 (1.49 - 1.58)
Mechanical Engineers	52,385	39,420	75.3 (74.9 - 75.6)	73.6 (72.9 - 74.3)	1.81 (1.77 - 1.84)	1.26 (1.23 - 1.29)
Electrical Engineers	14,960	11,070	74.0 (73.3 - 74.7)	71.3 (70.0 - 72.7)	1.69 (1.62 - 1.75)	1.09 (1.05 - 1.14)
Electronics Engineers	8,240	6,510	79.0 (78.1 - 79.9)	75.7 (73.7 - 77.7)	2.22 (2.11 - 2.35)	1.35 (1.27 - 1.43)
Production and Process Engineers	19,345	15,480	80.0 (79.5 - 80.6)	77.2 (75.9 - 78.5)	2.37 (2.29 - 2.46)	1.63 (1.57 - 1.69)
Aerospace Engineers	5,795	4,605	79.5 (78.4 - 80.5)	76.8 (74.6 - 79.1)	2.31 (2.17 - 2.47)	1.43 (1.34 - 1.54)
Engineering Project Managers and Project Engineers	18,680	15,515	83.1 (82.5 - 83.6)	79.7 (78.2 - 81.1)	2.92 (2.81 - 3.04)	1.87 (1.79 - 1.95)
Engineering Professionals n.e.c.	61,550	48,790	79.3 (78.9 - 79.6)	77.5 (76.8 - 78.2)	2.27 (2.23 - 2.32)	1.58 (1.54 - 1.61)
IT Project Managers	21,340	18,255	85.5 (85.1 - 86.0)	81.3 (79.6 - 82.9)	3.51 (3.38 - 3.65)	2.11 (2.03 - 2.20)
IT Managers	91,735	79,265	86.4 (86.2 - 86.6)	80.2 (79.4 - 81.0)	3.78 (3.70 - 3.85)	2.13 (2.08 - 2.17)
IT Business Analysts, Architects and Systems Designers	63,630	53,760	84.5 (84.2 - 84.8)	81.1 (80.2 - 81.9)	3.23 (3.16 - 3.30)	2.16 (2.11 - 2.21)
Programmers and Software Development Professionals	131,250	107,195	81.7 (81.5 - 81.9)	81.7 (81.1 - 82.2)	2.65 (2.61 - 2.69)	2.26 (2.22 - 2.29)
Cyber Security Professionals	11,955	9,715	81.3 (80.6 - 82.0)	80.2 (78.5 - 81.9)	2.57 (2.46 - 2.69)	1.99 (1.90 - 2.10)
IT Quality and Testing Professionals	8,870	7,145	80.6 (79.7 - 81.4)	80.7 (78.6 - 82.8)	2.46 (2.33 - 2.59)	2.15 (2.03 - 2.27)
IT Network Professionals	9,340	6,970	74.6 (73.7 - 75.5)	72.8 (71.0 - 74.6)	1.74 (1.66 - 1.83)	1.33 (1.27 - 1.40)
Information Technology Professionals n.e.c.	43,600	36,340	83.3 (83.0 - 83.7)	79.0 (78.0 - 80.0)	2.97 (2.90 - 3.05)	1.86 (1.81 - 1.91)

Web Design Professionals	8,080	6,095	75.4 (74.5 - 76.4)	76.2 (74.0 - 78.4)	1.82 (1.73 - 1.92)	1.63 (1.54 - 1.72)
Graphic and Multimedia Designers	43,560	33,770	77.5 (77.1 - 77.9)	78.5 (77.6 - 79.4)	2.05 (2.00 - 2.10)	1.70 (1.65 - 1.74)
Conservation Professionals	6,070	5,395	88.9 (88.1 - 89.7)	87.3 (84.5 - 90.0)	4.68 (4.32 - 5.07)	2.78 (2.56 - 3.02)
Environment Professionals	17,225	15,130	87.8 (87.3 - 88.3)	86.5 (84.9 - 88.1)	4.27 (4.08 - 4.47)	2.82 (2.69 - 2.96)
Research and Development (R&D) Managers	29,700	26,235	88.3 (88.0 - 88.7)	85.2 (83.6 - 86.8)	4.49 (4.33 - 4.65)	2.82 (2.71 - 2.92)
Other Researchers, Unspecified Discipline	12,125	10,610	87.5 (86.9 - 88.1)	87.5 (85.4 - 89.5)	4.15 (3.93 - 4.38)	3.96 (3.74 - 4.19)
Generalist Medical Practitioners	76,175	69,215	90.9 (90.7 - 91.1)	88.6 (87.5 - 89.7)	5.91 (5.76 - 6.06)	5.97 (5.82 - 6.13)
Specialist Medical Practitioners	39,955	37,280	93.3 (93.1 - 93.6)	87.7 (85.8 - 89.5)	8.27 (7.95 - 8.60)	4.75 (4.56 - 4.95)
Physiotherapists	27,215	24,445	89.8 (89.5 - 90.2)	90.1 (88.8 - 91.4)	5.25 (5.04 - 5.46)	4.00 (3.84 - 4.17)
Occupational Therapists	19,870	17,505	88.1 (87.6 - 88.5)	87.5 (85.9 - 89.0)	4.39 (4.20 - 4.58)	2.92 (2.79 - 3.05)
Speech and Language Therapists	9,525	8,765	92.0 (91.5 - 92.6)	92.0 (89.6 - 94.5)	6.79 (6.30 - 7.31)	4.99 (4.62 - 5.39)
Psychotherapists and Cognitive Behaviour Therapists	14,150	11,970	84.6 (84.0 - 85.2)	80.2 (77.2 - 83.3)	3.25 (3.10 - 3.40)	1.49 (1.42 - 1.57)
Clinical Psychologists	8,385	7,690	91.7 (91.1 - 92.3)	92.1 (88.2 - 96.0)	6.51 (6.03 - 7.04)	4.64 (4.28 - 5.02)
Other Psychologists	9,075	7,605	83.8 (83.0 - 84.6)	84.7 (82.6 - 86.7)	3.09 (2.93 - 3.27)	2.92 (2.74 - 3.10)
Therapy Professionals n.e.c.	15,345	11,035	71.9 (71.2 - 72.6)	71.8 (70.3 - 73.3)	1.52 (1.47 - 1.58)	0.92 (0.89 - 0.96)
Midwifery Nurses	23,900	19,240	80.5 (80.0 - 81.0)	80.2 (79.0 - 81.5)	2.45 (2.37 - 2.53)	1.71 (1.65 - 1.77)
Community Nurses	38,965	33,700	86.5 (86.1 - 86.8)	82.6 (81.3 - 84.0)	3.80 (3.69 - 3.92)	1.97 (1.91 - 2.04)
Specialist Nurses	29,005	26,180	90.3 (89.9 - 90.6)	86.1 (84.3 - 87.8)	5.51 (5.30 - 5.73)	2.84 (2.72 - 2.95)
Nurse Practitioners	31,840	27,385	86.0 (85.6 - 86.4)	81.3 (80.0 - 82.6)	3.65 (3.54 - 3.77)	2.14 (2.07 - 2.21)
Mental Health Nurses	17,225	13,190	76.6 (75.9 - 77.2)	74.5 (73.1 - 76.0)	1.94 (1.88 - 2.01)	1.51 (1.45 - 1.57)
Children's Nurses	11,245	9,385	83.5 (82.8 - 84.1)	83.6 (81.8 - 85.5)	3.01 (2.86 - 3.17)	2.36 (2.24 - 2.49)
Other Nursing Professionals	222,745	181,580	81.5 (81.4 - 81.7)	78.8 (78.4 - 79.3)	2.62 (2.59 - 2.65)	1.85 (1.83 - 1.87)
Veterinarians	9,125	8,110	88.9 (88.2 - 89.5)	88.0 (85.4 - 90.6)	4.74 (4.44 - 5.07)	3.51 (3.28 - 3.75)
Pharmacists	32,395	25,525	78.8 (78.3 - 79.2)	79.3 (78.2 - 80.3)	2.21 (2.15 - 2.27)	2.75 (2.67 - 2.84)
Optometrists	9,345	7,225	77.3 (76.5 - 78.2)	78.2 (76.3 - 80.1)	2.02 (1.93 - 2.12)	2.41 (2.28 - 2.55)
Dental Practitioners	17,460	15,105	86.5 (86.0 - 87.0)	84.5 (82.5 - 86.4)	3.78 (3.62 - 3.95)	3.52 (3.36 - 3.69)
Medical Radiographers	17,040	14,500	85.1 (84.6 - 85.6)	84.3 (82.9 - 85.8)	3.39 (3.25 - 3.54)	3.02 (2.88 - 3.16)
Paramedics	15,040	12,620	83.9 (83.3 - 84.5)	84.1 (82.5 - 85.6)	3.10 (2.97 - 3.24)	2.20 (2.10 - 2.31)
Podiatrists	6,970	6,080	87.2 (86.4 - 88.0)	82.4 (79.2 - 85.6)	4.03 (3.76 - 4.32)	1.70 (1.57 - 1.83)
Other Health Professionals n.e.c.	23,680	19,660	83.0 (82.5 - 83.5)	81.6 (80.3 - 82.9)	2.90 (2.80 - 3.00)	2.31 (2.23 - 2.40)
Higher Education Teaching Professionals	74,220	66,430	89.5 (89.3 - 89.7)	84.5 (83.4 - 85.5)	5.06 (4.94 - 5.19)	2.53 (2.47 - 2.60)
Further Education Teaching Professionals	26,390	21,285	80.7 (80.2 - 81.1)	75.6 (74.2 - 77.0)	2.47 (2.40 - 2.55)	1.25 (1.21 - 1.29)
Secondary Education Teaching Professionals	199,990	168,190	84.1 (83.9 - 84.3)	82.8 (82.4 - 83.3)	3.14 (3.10 - 3.18)	2.23 (2.20 - 2.27)
Primary Education Teaching Professionals	202,390	166,430	82.2 (82.1 - 82.4)	82.6 (82.1 - 83.0)	2.75 (2.71 - 2.78)	2.03 (2.00 - 2.06)

Nursery Education Teaching Professionals	9,605	7,190	74.9 (74.0 - 75.7)	73.9 (72.1 - 75.7)	1.77 (1.69 - 1.85)	1.32 (1.25 - 1.39)
Special Needs Education Teaching Professionals	21,755	18,330	84.3 (83.8 - 84.7)	81.1 (79.6 - 82.5)	3.17 (3.06 - 3.29)	1.78 (1.71 - 1.85)
Teachers of English as a Foreign Language Teaching Professionals n.e.c.	4,180	2,860	68.4 (67.0 - 69.8)	67.9 (65.3 - 70.5)	1.29 (1.21 - 1.38)	0.94 (0.87 - 1.01)
Head Teachers and Principals	58,420	44,865	76.8 (76.5 - 77.1)	74.6 (73.9 - 75.3)	1.97 (1.93 - 2.01)	1.34 (1.31 - 1.37)
Education Managers	37,510	34,430	91.8 (91.5 - 92.1)	83.8 (80.7 - 87.0)	6.65 (6.40 - 6.90)	2.68 (2.57 - 2.78)
Education Advisers and School Inspectors	45,285	39,390	87.0 (86.7 - 87.3)	80.1 (78.8 - 81.3)	3.97 (3.86 - 4.08)	1.90 (1.84 - 1.95)
Early Education and Childcare Services Managers	15,530	13,350	86.0 (85.4 - 86.5)	79.3 (77.5 - 81.1)	3.62 (3.46 - 3.79)	1.70 (1.62 - 1.78)
Other Educational Professionals n.e.c	17,680	13,150	74.4 (73.7 - 75.0)	73.1 (71.7 - 74.5)	1.72 (1.67 - 1.78)	1.14 (1.10 - 1.18)
Barristers and Judges	19,225	16,290	84.7 (84.2 - 85.2)	81.9 (80.4 - 83.3)	3.31 (3.18 - 3.44)	2.11 (2.02 - 2.20)
Solicitors and Lawyers	13,555	11,935	88.0 (87.5 - 88.6)	82.0 (80.2 - 83.8)	4.36 (4.14 - 4.59)	2.44 (2.30 - 2.58)
Legal Professionals n.e.c.	78,355	67,910	86.7 (86.4 - 86.9)	84.9 (84.0 - 85.7)	3.86 (3.78 - 3.94)	2.91 (2.85 - 2.98)
Chartered and Certified Accountants	36,730	28,470	77.5 (77.1 - 77.9)	79.0 (78.0 - 80.0)	2.05 (2.00 - 2.10)	1.99 (1.93 - 2.04)
Finance and Investment Analysts and Advisers	101,320	81,875	80.8 (80.6 - 81.1)	79.9 (79.3 - 80.4)	2.50 (2.46 - 2.54)	1.96 (1.93 - 2.00)
Taxation Experts	99,065	77,535	78.3 (78.0 - 78.5)	78.7 (78.1 - 79.2)	2.14 (2.11 - 2.17)	1.87 (1.84 - 1.90)
Management Consultants and Business Analysts	17,675	15,045	85.1 (84.6 - 85.6)	83.7 (82.3 - 85.1)	3.40 (3.26 - 3.54)	2.65 (2.53 - 2.77)
Marketing and Commercial Managers	64,095	54,365	84.8 (84.5 - 85.1)	83.0 (82.2 - 83.7)	3.32 (3.24 - 3.39)	2.44 (2.39 - 2.50)
Actuaries, Economists and Statisticians	47,555	39,860	83.8 (83.5 - 84.1)	82.8 (81.8 - 83.8)	3.08 (3.00 - 3.16)	2.31 (2.25 - 2.37)
Business and Related Research Professionals	17,130	14,660	85.6 (85.1 - 86.1)	87.0 (85.3 - 88.7)	3.51 (3.37 - 3.67)	3.87 (3.70 - 4.05)
Professional/Chartered Company Secretaries	31,270	26,035	83.3 (82.8 - 83.7)	84.4 (83.3 - 85.5)	2.95 (2.86 - 3.04)	2.90 (2.81 - 3.00)
Business, Research and Administrative Professionals n.e.c.	1,190	1,035	87.0 (85.1 - 88.9)	80.1 (74.3 - 85.9)	4.11 (3.46 - 4.88)	2.40 (2.00 - 2.89)
Business and Financial Project Management Professionals	22,305	19,835	88.9 (88.5 - 89.3)	88.3 (86.9 - 89.6)	4.75 (4.56 - 4.96)	4.11 (3.93 - 4.30)
Architects	122,215	103,575	84.7 (84.5 - 84.9)	81.2 (80.5 - 81.8)	3.30 (3.25 - 3.35)	2.11 (2.07 - 2.14)
Chartered Architectural Technologists, Planning Officers and Consultants	7,740	6,705	86.6 (85.9 - 87.4)	81.7 (79.4 - 84.0)	3.85 (3.60 - 4.11)	2.29 (2.14 - 2.46)
Quantity Surveyors	15,085	12,860	85.3 (84.7 - 85.8)	83.6 (82.0 - 85.3)	3.44 (3.28 - 3.60)	2.30 (2.19 - 2.42)
Chartered Surveyors	18,085	13,005	71.9 (71.3 - 72.6)	75.7 (74.4 - 77.1)	1.52 (1.47 - 1.57)	1.35 (1.30 - 1.40)
Construction Project Managers and Related Professionals	30,700	25,150	81.9 (81.5 - 82.4)	78.5 (77.5 - 79.6)	2.70 (2.62 - 2.78)	1.59 (1.54 - 1.64)
Social Workers	36,720	29,225	79.6 (79.2 - 80.0)	74.4 (73.4 - 75.5)	2.32 (2.26 - 2.38)	1.28 (1.24 - 1.31)
Probation Officers	52,480	40,480	77.1 (76.8 - 77.5)	74.8 (73.9 - 75.7)	2.00 (1.96 - 2.05)	1.49 (1.46 - 1.53)
	6,070	4,745	78.2 (77.1 - 79.2)	75.4 (72.5 - 78.2)	2.12 (2.00 - 2.26)	1.38 (1.29 - 1.47)

Clergy	16,115	13,735	85.2 (84.7 - 85.8)	77.5 (75.2 - 79.8)	3.43 (3.28 - 3.58)	1.48 (1.41 - 1.56)
Youth Work Professionals	6,705	4,755	70.9 (69.8 - 72.0)	70.9 (68.8 - 73.0)	1.44 (1.37 - 1.52)	1.16 (1.10 - 1.23)
Welfare Professionals n.e.c.	9,120	7,330	80.4 (79.6 - 81.2)	76.7 (74.6 - 78.7)	2.43 (2.30 - 2.55)	1.48 (1.40 - 1.57)
Librarians	6,605	5,975	90.5 (89.8 - 91.2)	85.1 (82.1 - 88.2)	5.77 (5.31 - 6.28)	2.52 (2.31 - 2.76)
Archivists and Curators	5,135	4,685	91.2 (90.5 - 92.0)	87.7 (84.3 - 91.1)	6.18 (5.61 - 6.81)	3.52 (3.18 - 3.89)
Quality Control and Planning Engineers	19,175	15,535	81.0 (80.5 - 81.6)	77.8 (76.4 - 79.1)	2.54 (2.45 - 2.63)	1.78 (1.71 - 1.85)
Quality Assurance and Regulatory Professionals	57,180	48,855	85.4 (85.2 - 85.7)	80.5 (79.5 - 81.4)	3.49 (3.40 - 3.57)	2.09 (2.04 - 2.15)
Environmental Health Professionals	4,165	3,640	87.4 (86.4 - 88.4)	82.3 (78.5 - 86.1)	4.04 (3.69 - 4.42)	2.04 (1.85 - 2.24)
Newspaper and Periodical Editors	16,705	15,015	89.9 (89.4 - 90.3)	87.2 (85.6 - 88.9)	5.29 (5.03 - 5.56)	3.50 (3.31 - 3.69)
Newspaper and Periodical Journalists and Reporters	12,255	10,740	87.6 (87.1 - 88.2)	86.2 (84.5 - 87.9)	4.22 (4.00 - 4.45)	3.24 (3.06 - 3.44)
Public Relations Professionals	23,410	19,020	81.2 (80.7 - 81.7)	84.0 (82.6 - 85.3)	2.58 (2.49 - 2.67)	2.79 (2.70 - 2.89)
Advertising Accounts Managers and Creative Directors	25,640	21,210	82.7 (82.3 - 83.2)	81.7 (80.4 - 83.1)	2.84 (2.75 - 2.93)	2.19 (2.12 - 2.27)
Laboratory Technicians	30,100	23,215	77.1 (76.7 - 77.6)	78.2 (77.2 - 79.2)	2.00 (1.95 - 2.06)	1.99 (1.93 - 2.05)
Electrical and Electronics Technicians	5,580	4,090	73.3 (72.1 - 74.5)	69.5 (67.3 - 71.7)	1.63 (1.54 - 1.73)	1.01 (0.94 - 1.07)
Engineering Technicians	26,320	19,200	72.9 (72.4 - 73.5)	72.2 (71.2 - 73.2)	1.60 (1.56 - 1.65)	1.17 (1.13 - 1.20)
Building and Civil Engineering Technicians	6,525	4,690	71.9 (70.8 - 73.0)	71.2 (69.2 - 73.3)	1.51 (1.43 - 1.60)	1.15 (1.08 - 1.22)
Quality Assurance Technicians	13,290	9,955	74.9 (74.2 - 75.6)	73.2 (71.7 - 74.7)	1.78 (1.71 - 1.85)	1.34 (1.28 - 1.40)
Planning, Process and Production Technicians	12,525	9,600	76.6 (75.9 - 77.4)	73.6 (72.0 - 75.2)	1.95 (1.87 - 2.03)	1.35 (1.29 - 1.41)
Science, Engineering and Production Technicians n.e.c.	44,585	32,565	73.0 (72.6 - 73.5)	70.3 (69.6 - 71.1)	1.61 (1.57 - 1.64)	1.12 (1.09 - 1.14)
CAD, Drawing and Architectural Technicians	28,665	22,935	80.0 (79.5 - 80.5)	79.3 (78.2 - 80.3)	2.38 (2.31 - 2.45)	1.84 (1.79 - 1.90)
IT Operations Technicians	35,830	26,605	74.3 (73.8 - 74.7)	75.1 (74.2 - 76.0)	1.71 (1.67 - 1.76)	1.50 (1.46 - 1.54)
IT User Support Technicians	61,710	46,465	75.3 (75.0 - 75.6)	76.4 (75.7 - 77.1)	1.81 (1.78 - 1.85)	1.65 (1.62 - 1.69)
Database Administrators and Web Content Technicians	26,025	20,820	80.0 (79.5 - 80.5)	80.7 (79.5 - 81.8)	2.37 (2.30 - 2.45)	2.09 (2.02 - 2.16)
Dispensing Opticians	4,450	3,645	81.9 (80.8 - 83.0)	80.2 (77.4 - 82.9)	2.70 (2.50 - 2.92)	2.07 (1.90 - 2.25)
Pharmaceutical Technicians	16,005	12,975	81.1 (80.5 - 81.7)	79.6 (78.1 - 81.1)	2.55 (2.45 - 2.65)	1.97 (1.89 - 2.06)
Medical and Dental Technicians	19,240	15,245	79.2 (78.7 - 79.8)	78.2 (76.9 - 79.5)	2.26 (2.18 - 2.34)	1.77 (1.71 - 1.84)
Complementary Health Associate Professionals	10,420	6,710	64.4 (63.5 - 65.3)	59.6 (57.4 - 61.8)	1.07 (1.03 - 1.11)	0.41 (0.40 - 0.43)
Health Associate Professionals n.e.c.	15,295	11,480	75.1 (74.4 - 75.7)	71.8 (70.2 - 73.3)	1.79 (1.72 - 1.85)	1.01 (0.97 - 1.05)
Youth and Community Workers	31,425	24,075	76.6 (76.1 - 77.1)	74.2 (73.2 - 75.2)	1.95 (1.89 - 2.00)	1.35 (1.31 - 1.39)
Child and Early Years Officers	25,345	19,965	78.8 (78.3 - 79.3)	73.9 (72.7 - 75.1)	2.20 (2.14 - 2.27)	1.27 (1.23 - 1.31)

Housing Officers	21,675	16,290	75.2 (74.6 - 75.7)	70.3 (69.0 - 71.5)	1.79 (1.74 - 1.85)	1.21 (1.17 - 1.25)
Counsellors	17,310	13,590	78.5 (77.9 - 79.1)	71.4 (69.8 - 73.0)	2.17 (2.09 - 2.25)	1.03 (0.99 - 1.07)
Welfare and Housing Associate Professionals n.e.c.	59,145	46,190	78.1 (77.8 - 78.4)	75.4 (74.6 - 76.1)	2.12 (2.07 - 2.16)	1.48 (1.45 - 1.51)
Higher Level Teaching Assistants	87,020	67,915	78.0 (77.8 - 78.3)	75.7 (75.1 - 76.3)	2.11 (2.08 - 2.15)	1.45 (1.42 - 1.48)
Early Education and Childcare Practitioners	56,845	35,835	63.0 (62.6 - 63.4)	69.4 (68.6 - 70.2)	1.01 (0.99 - 1.03)	1.04 (1.02 - 1.06)
Veterinary Nurses	12,540	9,100	72.6 (71.8 - 73.3)	79.6 (77.0 - 82.2)	1.57 (1.51 - 1.63)	1.57 (1.51 - 1.64)
Non-commissioned Officers and Other Ranks	3,015	2,020	67.0 (65.3 - 68.7)	71.8 (68.4 - 75.2)	1.19 (1.10 - 1.28)	1.08 (1.00 - 1.18)
Police Officers (Sergeant and below)	97,230	78,625	80.9 (80.6 - 81.1)	80.5 (79.8 - 81.3)	2.51 (2.47 - 2.55)	1.96 (1.93 - 2.00)
Fire Service Officers (Watch Manager and below)	21,860	15,605	71.4 (70.8 - 72.0)	68.3 (67.0 - 69.5)	1.48 (1.44 - 1.52)	0.91 (0.88 - 0.93)
Prison Service Officers (Below Principal Officer)	23,120	15,415	66.7 (66.1 - 67.3)	64.8 (63.8 - 65.9)	1.19 (1.16 - 1.22)	0.85 (0.83 - 0.88)
Protective Service Associate Professionals n.e.c.	39,415	31,405	79.7 (79.3 - 80.1)	75.5 (74.6 - 76.4)	2.33 (2.27 - 2.39)	1.60 (1.55 - 1.64)
Artists	23,235	17,745	76.4 (75.8 - 76.9)	73.6 (72.4 - 74.8)	1.92 (1.86 - 1.98)	1.06 (1.02 - 1.09)
Authors, Writers and Translators	33,610	27,310	81.3 (80.8 - 81.7)	79.7 (78.7 - 80.8)	2.58 (2.51 - 2.65)	1.77 (1.72 - 1.83)
Actors, Entertainers and Presenters	22,150	15,425	69.6 (69.0 - 70.2)	70.9 (69.8 - 72.0)	1.36 (1.32 - 1.40)	1.20 (1.16 - 1.24)
Dancers and Choreographers	7,190	4,980	69.3 (68.2 - 70.3)	73.0 (70.8 - 75.1)	1.34 (1.28 - 1.41)	1.14 (1.08 - 1.20)
Musicians	14,810	11,320	76.4 (75.8 - 77.1)	74.8 (73.3 - 76.2)	1.92 (1.85 - 1.99)	1.34 (1.29 - 1.40)
Arts Officers, Producers and Directors	37,535	30,555	81.4 (81.0 - 81.8)	80.8 (79.8 - 81.8)	2.60 (2.53 - 2.67)	2.11 (2.05 - 2.17)
Photographers, Audio-visual and Broadcasting Equipment Operators	30,440	22,770	74.8 (74.3 - 75.3)	74.4 (73.4 - 75.4)	1.77 (1.72 - 1.81)	1.30 (1.27 - 1.34)
Interior Designers	16,035	11,975	74.7 (74.0 - 75.4)	73.5 (72.1 - 74.9)	1.75 (1.69 - 1.81)	1.24 (1.19 - 1.29)
Clothing, Fashion and Accessories Designers	7,265	5,300	73.0 (71.9 - 74.0)	72.7 (70.6 - 74.8)	1.60 (1.52 - 1.69)	1.25 (1.18 - 1.33)
Design Occupations n.e.c.	13,470	10,655	79.1 (78.4 - 79.8)	79.3 (77.7 - 80.9)	2.24 (2.15 - 2.34)	1.80 (1.72 - 1.88)
Sports Players	6,550	3,330	50.8 (49.6 - 52.1)	68.9 (65.9 - 71.9)	0.61 (0.58 - 0.64)	0.84 (0.79 - 0.88)
Sports Coaches, Instructors and Officials	33,575	23,390	69.7 (69.2 - 70.2)	73.5 (72.5 - 74.5)	1.36 (1.33 - 1.40)	1.26 (1.23 - 1.29)
Fitness and Wellbeing Instructors	37,715	23,995	63.6 (63.1 - 64.1)	63.9 (63.1 - 64.8)	1.04 (1.02 - 1.06)	0.72 (0.71 - 0.74)
Aircraft Pilots and Air Traffic Controllers	9,510	8,185	86.1 (85.4 - 86.8)	82.8 (80.5 - 85.1)	3.65 (3.44 - 3.87)	1.77 (1.66 - 1.88)
Ship and Hovercraft Officers	4,540	3,435	75.7 (74.4 - 76.9)	72.9 (70.3 - 75.4)	1.82 (1.71 - 1.95)	1.07 (1.00 - 1.15)
Legal Associate Professionals	26,225	20,260	77.3 (76.7 - 77.8)	76.8 (75.7 - 77.9)	2.02 (1.96 - 2.08)	1.71 (1.66 - 1.77)
Brokers	22,080	17,010	77.0 (76.5 - 77.6)	75.8 (74.6 - 77.0)	1.99 (1.93 - 2.06)	1.49 (1.44 - 1.54)
Insurance Underwriters	19,620	15,725	80.1 (79.6 - 80.7)	79.8 (78.4 - 81.2)	2.41 (2.32 - 2.49)	1.85 (1.78 - 1.92)
Financial and Accounting Technicians	8,975	7,515	83.7 (83.0 - 84.5)	81.9 (80.0 - 83.9)	3.07 (2.90 - 3.25)	2.17 (2.04 - 2.31)
Financial Accounts Managers	64,790	53,205	82.1 (81.8 - 82.4)	77.8 (77.1 - 78.6)	2.73 (2.67 - 2.78)	1.78 (1.74 - 1.82)

Estimators, Valuers and Assessors	27,545	21,795	79.1 (78.6 - 79.6)	75.8 (74.7 - 76.8)	2.25 (2.19 - 2.32)	1.46 (1.41 - 1.51)
Importers and Exporters	2,835	2,120	74.8 (73.2 - 76.4)	73.0 (69.8 - 76.2)	1.77 (1.62 - 1.92)	1.41 (1.28 - 1.54)
Project Support Officers	29,915	23,390	78.2 (77.7 - 78.7)	79.0 (77.9 - 80.1)	2.13 (2.07 - 2.19)	1.88 (1.82 - 1.94)
Data Analysts	35,925	28,475	79.3 (78.8 - 79.7)	81.3 (80.3 - 82.4)	2.27 (2.21 - 2.33)	2.37 (2.30 - 2.43)
Business Associate Professionals n.e.c.	58,935	48,120	81.6 (81.3 - 82.0)	79.2 (78.4 - 80.0)	2.64 (2.59 - 2.70)	1.94 (1.89 - 1.98)
Buyers and Procurement Officers	35,670	27,680	77.6 (77.2 - 78.0)	77.4 (76.5 - 78.3)	2.06 (2.00 - 2.11)	1.65 (1.61 - 1.70)
Business Sales Executives	67,160	49,375	73.5 (73.2 - 73.9)	73.9 (73.2 - 74.6)	1.65 (1.62 - 1.68)	1.37 (1.34 - 1.39)
Merchandisers	14,395	10,820	75.2 (74.5 - 75.9)	75.0 (73.5 - 76.5)	1.80 (1.73 - 1.87)	1.52 (1.46 - 1.59)
Marketing Associate Professionals	79,820	59,665	74.7 (74.4 - 75.1)	79.1 (78.4 - 79.9)	1.76 (1.73 - 1.79)	1.95 (1.92 - 1.99)
Estate Agents and Auctioneers	27,425	18,485	67.4 (66.8 - 68.0)	70.1 (69.1 - 71.1)	1.23 (1.20 - 1.26)	1.05 (1.02 - 1.08)
Sales Accounts and Business Development Managers	168,635	138,140	81.9 (81.7 - 82.1)	78.8 (78.3 - 79.3)	2.69 (2.65 - 2.73)	1.81 (1.79 - 1.84)
Events Managers and Organisers	26,190	20,080	76.7 (76.2 - 77.2)	77.7 (76.5 - 78.8)	1.95 (1.90 - 2.01)	1.66 (1.61 - 1.71)
Public Services Associate Professionals	27,695	23,175	83.7 (83.2 - 84.1)	79.4 (78.2 - 80.5)	3.05 (2.95 - 3.15)	1.98 (1.92 - 2.05)
Human Resources and Industrial Relations Officers	91,275	66,175	72.5 (72.2 - 72.8)	75.6 (75.0 - 76.3)	1.57 (1.54 - 1.59)	1.48 (1.46 - 1.51)
Careers Advisers and Vocational Guidance Specialists	10,825	8,725	80.6 (79.9 - 81.3)	76.8 (75.0 - 78.6)	2.47 (2.36 - 2.60)	1.54 (1.46 - 1.62)
Information Technology Trainers	4,565	3,800	83.2 (82.2 - 84.3)	79.9 (76.9 - 82.8)	2.92 (2.70 - 3.15)	1.75 (1.61 - 1.91)
Other Vocational and Industrial Trainers	67,435	54,885	81.4 (81.1 - 81.7)	75.2 (74.5 - 75.9)	2.60 (2.54 - 2.65)	1.44 (1.41 - 1.48)
Inspectors of Standards and Regulations	9,780	8,405	85.9 (85.3 - 86.6)	78.1 (75.8 - 80.3)	3.63 (3.42 - 3.84)	1.67 (1.57 - 1.77)
Health and Safety Managers and Officers	34,330	28,780	83.8 (83.4 - 84.2)	76.2 (75.2 - 77.3)	3.08 (2.99 - 3.17)	1.55 (1.51 - 1.60)
National Government Administrative Occupations	112,150	91,050	81.2 (81.0 - 81.4)	76.7 (76.2 - 77.3)	2.56 (2.52 - 2.60)	1.73 (1.70 - 1.76)
Local Government Administrative Occupations	46,765	38,830	83.0 (82.7 - 83.4)	77.5 (76.6 - 78.3)	2.90 (2.83 - 2.98)	1.77 (1.72 - 1.82)
Officers of Non-governmental Organisations	8,120	7,025	86.5 (85.8 - 87.3)	81.6 (79.2 - 83.9)	3.87 (3.63 - 4.13)	2.06 (1.92 - 2.20)
Credit Controllers	20,065	15,590	77.7 (77.1 - 78.3)	72.0 (70.8 - 73.2)	2.07 (2.00 - 2.14)	1.37 (1.32 - 1.43)
Book-keepers, Payroll Managers and Wages Clerks	164,245	127,055	77.4 (77.2 - 77.6)	74.3 (73.9 - 74.7)	2.03 (2.00 - 2.05)	1.44 (1.42 - 1.46)
Bank and Post Office Clerks	47,865	34,660	72.4 (72.0 - 72.8)	69.6 (68.8 - 70.3)	1.56 (1.53 - 1.59)	1.26 (1.23 - 1.28)
Finance Officers	16,220	13,230	81.6 (81.0 - 82.2)	74.9 (73.4 - 76.4)	2.62 (2.52 - 2.73)	1.58 (1.52 - 1.65)
Financial Administrative Occupations n.e.c.	64,365	48,425	75.2 (74.9 - 75.6)	74.1 (73.4 - 74.8)	1.81 (1.77 - 1.84)	1.47 (1.44 - 1.50)
Records Clerks and Assistants	68,530	54,055	78.9 (78.6 - 79.2)	76.6 (75.9 - 77.3)	2.22 (2.18 - 2.26)	1.68 (1.65 - 1.72)
Pensions and Insurance Clerks and Assistants	35,535	26,250	73.9 (73.4 - 74.3)	76.0 (75.1 - 76.9)	1.68 (1.64 - 1.72)	1.48 (1.44 - 1.51)
Stock Control Clerks and Assistants	38,365	28,370	73.9 (73.5 - 74.4)	71.6 (70.8 - 72.5)	1.69 (1.65 - 1.73)	1.29 (1.26 - 1.33)

Transport and Distribution Clerks and Assistants	33,865	24,355	71.9 (71.4 - 72.4)	70.1 (69.2 - 71.0)	1.52 (1.48 - 1.56)	1.18 (1.15 - 1.21)
Library Clerks and Assistants	11,695	10,285	87.9 (87.4 - 88.5)	84.1 (82.3 - 86.0)	4.35 (4.11 - 4.60)	2.38 (2.24 - 2.53)
Human Resources Administrative Occupations	15,310	11,585	75.7 (75.0 - 76.3)	76.4 (75.0 - 77.8)	1.85 (1.78 - 1.92)	1.59 (1.53 - 1.66)
Office Managers	93,970	77,240	82.2 (82.0 - 82.4)	75.0 (74.3 - 75.6)	2.74 (2.69 - 2.79)	1.53 (1.50 - 1.56)
Office Supervisors	17,800	14,100	79.2 (78.6 - 79.8)	75.6 (74.2 - 77.0)	2.26 (2.18 - 2.35)	1.59 (1.52 - 1.65)
Customer Service Managers	37,865	29,500	77.9 (77.5 - 78.3)	74.9 (73.9 - 75.8)	2.09 (2.04 - 2.15)	1.51 (1.47 - 1.55)
Sales Administrators	31,450	23,500	74.7 (74.2 - 75.2)	74.2 (73.2 - 75.1)	1.76 (1.71 - 1.80)	1.37 (1.33 - 1.41)
Data Entry Administrators	15,465	11,660	75.4 (74.7 - 76.1)	75.3 (73.9 - 76.7)	1.82 (1.75 - 1.88)	1.56 (1.50 - 1.63)
Other Administrative Occupations n.e.c.	364,860	275,915	75.6 (75.5 - 75.8)	72.8 (72.5 - 73.1)	1.84 (1.83 - 1.86)	1.34 (1.33 - 1.35)
Medical Secretaries	36,900	31,620	85.7 (85.3 - 86.0)	80.6 (79.5 - 81.6)	3.55 (3.45 - 3.66)	2.10 (2.03 - 2.16)
Legal Secretaries	23,480	18,580	79.1 (78.6 - 79.7)	74.7 (73.6 - 75.9)	2.25 (2.18 - 2.33)	1.52 (1.47 - 1.58)
School Secretaries	26,555	22,570	85.0 (84.6 - 85.4)	76.3 (75.1 - 77.6)	3.36 (3.25 - 3.48)	1.68 (1.62 - 1.75)
Company Secretaries and Administrators	2,140	1,810	84.6 (83.0 - 86.1)	78.9 (74.0 - 83.7)	3.29 (2.93 - 3.70)	1.69 (1.49 - 1.92)
Personal Assistants and Other Secretaries	143,100	116,165	81.2 (81.0 - 81.4)	73.8 (73.3 - 74.3)	2.56 (2.53 - 2.60)	1.40 (1.38 - 1.42)
Receptionists	118,170	88,975	75.3 (75.0 - 75.5)	71.6 (71.1 - 72.0)	1.81 (1.79 - 1.84)	1.28 (1.26 - 1.30)
Typists and Related Keyboard Occupations	3,085	2,620	84.9 (83.7 - 86.2)	79.7 (76.0 - 83.4)	3.34 (3.02 - 3.68)	1.75 (1.57 - 1.95)
Farmers	34,060	27,845	81.8 (81.3 - 82.2)	74.7 (73.7 - 75.7)	2.66 (2.59 - 2.74)	1.30 (1.27 - 1.34)
Horticultural Trades	6,270	4,585	73.1 (72.0 - 74.2)	70.8 (68.6 - 73.0)	1.61 (1.52 - 1.70)	1.07 (1.00 - 1.13)
Gardeners and Landscape Gardeners	76,155	55,530	72.9 (72.6 - 73.2)	64.5 (63.9 - 65.1)	1.60 (1.57 - 1.63)	0.81 (0.79 - 0.82)
Groundsmen and Greenkeepers	16,950	11,930	70.4 (69.7 - 71.1)	68.8 (67.6 - 70.1)	1.41 (1.36 - 1.46)	0.98 (0.95 - 1.02)
Agricultural and Fishing Trades n.e.c.	14,255	8,865	62.2 (61.4 - 63.0)	64.0 (62.7 - 65.4)	0.98 (0.94 - 1.01)	0.68 (0.66 - 0.71)
Sheet Metal Workers	6,285	4,535	72.2 (71.0 - 73.3)	63.3 (61.2 - 65.3)	1.54 (1.46 - 1.63)	0.87 (0.82 - 0.92)
Metal Plate Workers, Smiths, Moulders and Related Occupations	5,415	3,785	69.9 (68.7 - 71.1)	62.6 (60.5 - 64.8)	1.38 (1.30 - 1.46)	0.75 (0.70 - 0.80)
Welding Trades	29,220	18,055	61.8 (61.2 - 62.3)	57.9 (57.0 - 58.7)	0.96 (0.94 - 0.98)	0.66 (0.64 - 0.67)
Pipe Fitters	5,010	2,965	59.2 (57.8 - 60.5)	55.2 (53.1 - 57.3)	0.86 (0.82 - 0.91)	0.56 (0.52 - 0.59)
Metal Machining Setters and Setter-operators	22,495	15,795	70.2 (69.6 - 70.8)	63.2 (62.2 - 64.3)	1.40 (1.36 - 1.44)	0.87 (0.84 - 0.90)
Tool Makers, Tool Fitters and Markers-out	5,435	4,060	74.7 (73.5 - 75.9)	67.5 (65.2 - 69.9)	1.75 (1.65 - 1.86)	1.00 (0.93 - 1.07)
Metal Working Production and Maintenance Fitters	103,380	70,445	68.1 (67.9 - 68.4)	63.8 (63.3 - 64.2)	1.27 (1.25 - 1.29)	0.81 (0.80 - 0.82)
Precision Instrument Makers and Repairers	6,475	4,800	74.1 (73.1 - 75.2)	70.4 (68.3 - 72.4)	1.70 (1.60 - 1.79)	1.08 (1.02 - 1.15)
Air-conditioning and Refrigeration Installers and Repairers	7,570	4,260	56.3 (55.2 - 57.4)	57.6 (55.8 - 59.3)	0.77 (0.73 - 0.80)	0.57 (0.54 - 0.60)
Vehicle Technicians, Mechanics and Electricians	85,780	52,195	60.8 (60.5 - 61.2)	60.9 (60.4 - 61.5)	0.92 (0.91 - 0.94)	0.69 (0.67 - 0.70)

Vehicle Body Builders and Repairers	12,250	7,920	64.7 (63.8 - 65.5)	58.8 (57.4 - 60.1)	1.09 (1.05 - 1.13)	0.66 (0.63 - 0.69)
Vehicle Paint Technicians	6,285	3,815	60.7 (59.5 - 61.9)	57.5 (55.6 - 59.3)	0.92 (0.87 - 0.96)	0.62 (0.58 - 0.65)
Aircraft Maintenance and Related Trades	7,470	5,770	77.2 (76.3 - 78.2)	73.3 (71.3 - 75.3)	2.01 (1.90 - 2.12)	1.19 (1.12 - 1.26)
Boat and Ship Builders and Repairers	5,185	3,580	69.0 (67.8 - 70.3)	67.1 (64.8 - 69.3)	1.33 (1.25 - 1.41)	0.81 (0.76 - 0.86)
Rail and Rolling Stock Builders and Repairers	4,410	2,800	63.5 (62.1 - 64.9)	60.8 (58.5 - 63.1)	1.03 (0.97 - 1.10)	0.70 (0.66 - 0.75)
Electricians and Electrical Fitters	108,865	63,925	58.7 (58.4 - 59.0)	60.8 (60.3 - 61.2)	0.84 (0.83 - 0.86)	0.64 (0.63 - 0.64)
Telecoms and Related Network Installers and Repairers	30,685	20,510	66.8 (66.3 - 67.4)	64.2 (63.3 - 65.1)	1.20 (1.17 - 1.23)	0.86 (0.84 - 0.88)
TV, Video and Audio Servicers and Repairers	3,150	2,225	70.6 (69.0 - 72.2)	67.3 (64.4 - 70.3)	1.43 (1.33 - 1.55)	0.95 (0.88 - 1.04)
Computer System and Equipment Installers and Servicers	13,430	9,705	72.3 (71.5 - 73.0)	71.6 (70.1 - 73.0)	1.55 (1.49 - 1.61)	1.27 (1.22 - 1.32)
Security System Installers and Repairers	9,100	5,545	60.9 (59.9 - 61.9)	62.1 (60.5 - 63.8)	0.92 (0.88 - 0.96)	0.71 (0.68 - 0.75)
Electrical Service and Maintenance Mechanics and Repairers	20,585	15,635	76.0 (75.4 - 76.5)	67.3 (66.1 - 68.4)	1.88 (1.82 - 1.94)	1.00 (0.97 - 1.04)
Electrical and Electronic Trades n.e.c.	15,685	11,470	73.1 (72.4 - 73.8)	68.5 (67.2 - 69.8)	1.62 (1.56 - 1.67)	1.00 (0.96 - 1.04)
Skilled Metal, Electrical and Electronic Trades Supervisors	24,125	18,495	76.7 (76.1 - 77.2)	69.5 (68.3 - 70.7)	1.95 (1.89 - 2.01)	1.06 (1.03 - 1.10)
Steel Erectors	3,310	1,940	58.6 (56.9 - 60.3)	55.7 (53.1 - 58.2)	0.84 (0.79 - 0.90)	0.57 (0.53 - 0.62)
Stonemasons and Related Trades	5,275	3,280	62.2 (60.9 - 63.5)	57.8 (55.7 - 59.8)	0.99 (0.93 - 1.04)	0.62 (0.59 - 0.66)
Bricklayers	32,555	18,690	57.4 (56.9 - 57.9)	55.6 (54.8 - 56.5)	0.80 (0.78 - 0.82)	0.52 (0.51 - 0.54)
Roofers, Roof Tilers and Slaters	23,405	11,650	49.8 (49.1 - 50.4)	50.3 (49.4 - 51.2)	0.59 (0.57 - 0.60)	0.42 (0.41 - 0.44)
Plumbers & Heating and Ventilating Installers and Repairers	90,840	53,855	59.3 (59.0 - 59.6)	58.1 (57.6 - 58.6)	0.86 (0.85 - 0.88)	0.58 (0.57 - 0.59)
Carpenters and Joiners	111,000	68,865	62.0 (61.8 - 62.3)	58.5 (58.1 - 59.0)	0.97 (0.96 - 0.98)	0.62 (0.61 - 0.63)
Glaziers, Window Fabricators and Fitters	17,825	10,630	59.6 (58.9 - 60.4)	55.1 (54.0 - 56.1)	0.88 (0.85 - 0.91)	0.58 (0.56 - 0.60)
Construction and Building Trades n.e.c.	112,265	72,610	64.7 (64.4 - 65.0)	56.3 (55.9 - 56.8)	1.09 (1.07 - 1.10)	0.62 (0.61 - 0.63)
Plasterers	30,685	16,065	52.4 (51.8 - 52.9)	50.2 (49.4 - 51.0)	0.65 (0.64 - 0.67)	0.45 (0.44 - 0.46)
Floorers and Wall Tilers	23,570	13,520	57.4 (56.7 - 58.0)	53.2 (52.3 - 54.1)	0.80 (0.78 - 0.82)	0.53 (0.51 - 0.54)
Painters and Decorators	57,975	39,655	68.4 (68.0 - 68.8)	56.5 (55.8 - 57.1)	1.29 (1.26 - 1.31)	0.66 (0.64 - 0.67)
Construction and Building Trades Supervisors	29,975	21,875	73.0 (72.5 - 73.5)	64.0 (63.0 - 65.1)	1.60 (1.56 - 1.65)	0.90 (0.88 - 0.93)
Upholsterers	7,410	5,445	73.5 (72.5 - 74.5)	62.7 (60.8 - 64.6)	1.64 (1.56 - 1.73)	0.88 (0.84 - 0.94)
Footwear and Leather Working Trades	3,515	2,520	71.7 (70.2 - 73.2)	64.8 (62.1 - 67.6)	1.50 (1.39 - 1.61)	0.92 (0.85 - 1.00)
Tailors and Dressmakers	5,275	3,515	66.6 (65.4 - 67.9)	63.0 (60.7 - 65.2)	1.19 (1.12 - 1.26)	0.98 (0.92 - 1.05)
Textiles, Garments and Related Trades n.e.c.	3,305	2,370	71.7 (70.2 - 73.2)	66.1 (63.2 - 68.9)	1.50 (1.39 - 1.62)	1.00 (0.92 - 1.08)
Pre-press Technicians	1,795	1,365	76.0 (74.1 - 78.0)	73.0 (69.0 - 77.0)	1.94 (1.74 - 2.16)	1.25 (1.11 - 1.41)
Printers	10,605	8,135	76.7 (75.9 - 77.5)	68.5 (66.8 - 70.3)	1.95 (1.86 - 2.04)	1.07 (1.02 - 1.12)

Print Finishing and Binding Workers	5,570	4,335	77.8 (76.7 - 78.9)	70.0 (67.6 - 72.3)	2.09 (1.96 - 2.23)	1.17 (1.09 - 1.25)
Butchers	12,750	8,175	64.1 (63.3 - 65.0)	59.3 (57.9 - 60.6)	1.06 (1.02 - 1.10)	0.82 (0.79 - 0.85)
Bakers and Flour Confectioners	15,120	10,455	69.1 (68.4 - 69.9)	66.9 (65.6 - 68.2)	1.33 (1.28 - 1.38)	0.99 (0.95 - 1.03)
Fishmongers and Poultry Dressers	1,900	1,330	70.0 (67.9 - 72.1)	63.0 (59.4 - 66.6)	1.39 (1.26 - 1.53)	0.88 (0.79 - 0.98)
Chefs	87,280	55,565	63.7 (63.3 - 64.0)	63.4 (62.9 - 63.9)	1.04 (1.03 - 1.06)	0.99 (0.98 - 1.01)
Cooks	30,735	22,220	72.3 (71.8 - 72.8)	63.0 (62.1 - 64.0)	1.55 (1.51 - 1.59)	0.94 (0.91 - 0.96)
Catering and Bar Managers	36,000	24,670	68.5 (68.0 - 69.0)	66.5 (65.6 - 67.3)	1.29 (1.27 - 1.32)	0.96 (0.94 - 0.98)
Glass and Ceramics Makers, Decorators and Finishers	4,885	3,700	75.7 (74.5 - 76.9)	67.9 (65.5 - 70.4)	1.86 (1.74 - 1.99)	1.04 (0.97 - 1.12)
Furniture Makers and Other Craft Woodworkers	9,715	6,785	69.8 (68.9 - 70.8)	63.2 (61.6 - 64.8)	1.37 (1.31 - 1.43)	0.80 (0.76 - 0.84)
Florists	7,235	5,315	73.5 (72.4 - 74.5)	69.4 (67.4 - 71.5)	1.64 (1.56 - 1.73)	0.92 (0.87 - 0.97)
Other Skilled Trades n.e.c.	17,460	12,345	70.7 (70.0 - 71.4)	65.4 (64.2 - 66.6)	1.44 (1.39 - 1.48)	0.85 (0.82 - 0.88)
Early Education and Childcare Assistants	79,220	50,170	63.3 (63.0 - 63.7)	69.0 (68.4 - 69.7)	1.03 (1.01 - 1.04)	1.00 (0.99 - 1.02)
Teaching Assistants	156,340	118,465	75.8 (75.6 - 76.0)	71.4 (70.9 - 71.8)	1.86 (1.83 - 1.88)	1.22 (1.20 - 1.23)
Educational Support Assistants	75,130	57,475	76.5 (76.2 - 76.8)	74.2 (73.6 - 74.9)	1.93 (1.90 - 1.97)	1.30 (1.27 - 1.32)
Childminders	30,205	22,405	74.2 (73.7 - 74.7)	69.1 (68.2 - 70.1)	1.71 (1.66 - 1.75)	1.07 (1.04 - 1.10)
Nannies and Au Pairs	13,310	9,100	68.4 (67.6 - 69.2)	70.6 (69.0 - 72.1)	1.28 (1.23 - 1.33)	1.19 (1.15 - 1.24)
Playworkers	11,440	7,990	69.8 (69.0 - 70.7)	70.2 (68.7 - 71.8)	1.38 (1.32 - 1.43)	1.20 (1.14 - 1.25)
Pest Control Officers	3,245	2,305	71.0 (69.5 - 72.6)	64.6 (61.7 - 67.6)	1.45 (1.34 - 1.56)	0.80 (0.74 - 0.87)
Animal Care Services Occupations n.e.c.	45,475	30,850	67.8 (67.4 - 68.3)	69.7 (68.9 - 70.5)	1.25 (1.23 - 1.28)	0.97 (0.94 - 0.99)
Nursing Auxiliaries and Assistants	169,335	125,620	74.2 (74.0 - 74.4)	72.6 (72.2 - 73.0)	1.71 (1.69 - 1.73)	1.47 (1.45 - 1.49)
Ambulance Staff (Excluding Paramedics)	17,470	13,835	79.2 (78.6 - 79.8)	77.5 (76.2 - 78.9)	2.26 (2.18 - 2.34)	1.58 (1.52 - 1.65)
Dental Nurses	30,305	20,765	68.5 (68.0 - 69.0)	74.5 (73.4 - 75.6)	1.29 (1.26 - 1.32)	1.41 (1.38 - 1.45)
Houseparents and Residential Wardens	21,055	17,385	82.6 (82.1 - 83.1)	72.0 (69.9 - 74.1)	2.82 (2.72 - 2.92)	1.20 (1.16 - 1.25)
Care Workers and Home Carers	465,050	316,990	68.2 (68.0 - 68.3)	66.3 (66.0 - 66.5)	1.27 (1.26 - 1.28)	1.05 (1.04 - 1.06)
Senior Care Workers	53,390	40,045	75.0 (74.6 - 75.4)	72.9 (72.1 - 73.7)	1.78 (1.75 - 1.82)	1.32 (1.29 - 1.35)
Care Escorts	10,095	7,730	76.6 (75.7 - 77.4)	65.1 (63.0 - 67.1)	1.94 (1.85 - 2.03)	1.06 (1.00 - 1.11)
Undertakers, Mortuary and Crematorium Assistants	12,230	10,215	83.5 (82.9 - 84.2)	76.3 (74.5 - 78.1)	3.02 (2.87 - 3.16)	1.47 (1.40 - 1.55)
Sports and Leisure Assistants	20,065	12,870	64.1 (63.5 - 64.8)	72.1 (70.6 - 73.6)	1.06 (1.03 - 1.09)	1.37 (1.32 - 1.41)
Travel Agents	15,060	11,680	77.6 (76.9 - 78.2)	76.1 (74.6 - 77.5)	2.05 (1.97 - 2.13)	1.57 (1.50 - 1.63)
Air Travel Assistants	13,065	9,340	71.5 (70.7 - 72.3)	73.0 (71.4 - 74.6)	1.49 (1.43 - 1.55)	1.31 (1.25 - 1.36)
Rail Travel Assistants	10,465	7,410	70.8 (69.9 - 71.7)	68.7 (67.1 - 70.2)	1.44 (1.38 - 1.50)	1.13 (1.08 - 1.18)
Leisure and Travel Service Occupations n.e.c.	5,060	3,880	76.7 (75.5 - 77.8)	73.8 (71.3 - 76.3)	1.93 (1.81 - 2.06)	1.38 (1.28 - 1.48)

Hairdressers and Barbers	91,740	54,360	59.3 (58.9 - 59.6)	61.9 (61.4 - 62.4)	0.86 (0.85 - 0.88)	0.68 (0.67 - 0.69)
Beauticians and Related Occupations	52,240	26,935	51.6 (51.1 - 52.0)	59.1 (58.3 - 59.9)	0.63 (0.62 - 0.64)	0.60 (0.58 - 0.61)
Housekeepers and Related Occupations	40,450	29,905	73.9 (73.5 - 74.4)	64.9 (64.1 - 65.8)	1.68 (1.65 - 1.72)	1.03 (1.01 - 1.06)
Caretakers	32,695	25,540	78.1 (77.7 - 78.6)	66.1 (65.0 - 67.2)	2.12 (2.06 - 2.18)	1.08 (1.05 - 1.11)
Cleaning and Housekeeping Managers and Supervisors	28,790	20,060	69.7 (69.1 - 70.2)	62.3 (61.3 - 63.3)	1.36 (1.33 - 1.40)	0.89 (0.86 - 0.91)
Bed and Breakfast and Guest House Owners and Proprietors	2,895	2,525	87.2 (86.0 - 88.4)	70.6 (65.0 - 76.2)	4.15 (3.72 - 4.63)	1.22 (1.09 - 1.37)
Police Community Support Officers	6,990	5,555	79.5 (78.5 - 80.4)	79.0 (76.8 - 81.1)	2.30 (2.17 - 2.44)	1.81 (1.71 - 1.93)
Parking and Civil Enforcement Occupations	6,020	4,480	74.4 (73.3 - 75.5)	67.8 (65.6 - 70.0)	1.72 (1.62 - 1.82)	1.15 (1.08 - 1.22)
Sales and Retail Assistants	639,950	401,510	62.7 (62.6 - 62.9)	65.4 (65.1 - 65.6)	(Reference)	(Reference)
Retail Cashiers and Check-out Operators	45,405	30,905	68.1 (67.6 - 68.5)	66.4 (65.6 - 67.2)	1.27 (1.24 - 1.29)	1.12 (1.10 - 1.15)
Telephone Salespersons	8,095	4,820	59.5 (58.5 - 60.6)	65.2 (63.3 - 67.1)	0.87 (0.84 - 0.91)	0.84 (0.80 - 0.88)
Pharmacy and Optical Dispensing Assistants	48,410	35,345	73.0 (72.6 - 73.4)	73.7 (73.0 - 74.5)	1.61 (1.57 - 1.64)	1.53 (1.50 - 1.57)
Vehicle and Parts Salespersons and Advisers	17,670	11,515	65.2 (64.5 - 65.9)	66.2 (65.0 - 67.4)	1.11 (1.08 - 1.15)	0.95 (0.92 - 0.98)
Collector Salespersons and Credit Agents	3,040	2,065	67.9 (66.3 - 69.6)	68.0 (65.1 - 71.0)	1.24 (1.15 - 1.34)	0.99 (0.91 - 1.08)
Debt, Rent and Other Cash Collectors	10,110	7,080	70.0 (69.1 - 70.9)	66.1 (64.5 - 67.7)	1.39 (1.33 - 1.45)	1.01 (0.97 - 1.06)
Roundpersons and Van Salespersons	3,345	2,290	68.5 (66.9 - 70.0)	58.0 (55.3 - 60.7)	1.27 (1.18 - 1.36)	0.76 (0.71 - 0.83)
Market and Street Traders and Assistants	4,030	2,695	66.9 (65.4 - 68.3)	59.0 (56.4 - 61.7)	1.21 (1.13 - 1.29)	0.74 (0.69 - 0.80)
Visual Merchandisers and Related Occupations	2,130	1,470	69.0 (67.1 - 71.0)	72.2 (68.3 - 76.0)	1.31 (1.20 - 1.44)	1.22 (1.11 - 1.35)
Sales Related Occupations n.e.c.	13,120	8,745	66.7 (65.8 - 67.5)	68.3 (66.8 - 69.7)	1.19 (1.15 - 1.23)	1.01 (0.97 - 1.05)
Shopkeepers and Owners - Retail and Wholesale	66,090	48,125	72.8 (72.5 - 73.2)	64.0 (63.3 - 64.7)	1.59 (1.56 - 1.62)	0.85 (0.84 - 0.87)
Sales Supervisors - Retail and Wholesale	82,570	53,765	65.1 (64.8 - 65.4)	68.4 (67.8 - 69.0)	1.11 (1.09 - 1.13)	1.05 (1.04 - 1.07)
Call and Contact Centre Occupations	27,970	16,845	60.2 (59.7 - 60.8)	67.3 (66.2 - 68.3)	0.90 (0.88 - 0.92)	1.01 (0.99 - 1.04)
Telephonists	5,290	3,370	63.7 (62.4 - 65.0)	61.7 (59.5 - 63.9)	1.05 (0.99 - 1.11)	0.81 (0.76 - 0.87)
Communication Operators	25,535	18,910	74.1 (73.5 - 74.6)	75.5 (74.4 - 76.6)	1.69 (1.64 - 1.74)	1.53 (1.48 - 1.58)
Market Research Interviewers	3,380	2,540	75.1 (73.7 - 76.6)	72.0 (69.1 - 75.0)	1.79 (1.66 - 1.94)	1.36 (1.24 - 1.48)
Customer Service Occupations n.e.c.	172,570	110,530	64.0 (63.8 - 64.3)	68.0 (67.6 - 68.4)	1.06 (1.05 - 1.07)	1.10 (1.08 - 1.11)
Customer Service Supervisors	11,065	8,030	72.6 (71.7 - 73.4)	72.9 (71.2 - 74.6)	1.57 (1.50 - 1.64)	1.34 (1.28 - 1.40)
Food, Drink and Tobacco Process Operatives	56,360	35,765	63.5 (63.1 - 63.9)	58.6 (58.0 - 59.3)	1.03 (1.01 - 1.05)	0.84 (0.82 - 0.86)
Textile Process Operatives	6,180	4,130	66.8 (65.7 - 68.0)	59.1 (57.1 - 61.0)	1.20 (1.13 - 1.26)	0.89 (0.84 - 0.95)
Chemical and Related Process Operatives	14,945	10,450	69.9 (69.2 - 70.7)	64.2 (62.9 - 65.5)	1.38 (1.33 - 1.43)	0.93 (0.89 - 0.97)
Plastics Process Operatives	14,565	9,640	66.2 (65.4 - 67.0)	60.2 (58.9 - 61.4)	1.16 (1.12 - 1.20)	0.83 (0.80 - 0.87)
Metal Making and Treating Process Operatives	7,730	5,200	67.3 (66.2 - 68.3)	60.8 (59.1 - 62.5)	1.22 (1.16 - 1.28)	0.81 (0.77 - 0.85)

Process Operatives n.e.c.	9,060	6,115	67.5 (66.5 - 68.5)	61.0 (59.3 - 62.6)	1.23 (1.18 - 1.29)	0.84 (0.80 - 0.88)
Metal Working Machine Operatives	25,185	16,730	66.4 (65.8 - 67.0)	61.2 (60.3 - 62.2)	1.18 (1.14 - 1.21)	0.83 (0.80 - 0.85)
Paper and Wood Machine Operatives	12,880	8,970	69.6 (68.8 - 70.4)	63.3 (61.9 - 64.7)	1.36 (1.31 - 1.42)	0.92 (0.88 - 0.95)
Mining and Quarry Workers and Related Operatives	3,780	2,670	70.6 (69.2 - 72.1)	62.7 (60.2 - 65.2)	1.43 (1.33 - 1.53)	0.84 (0.77 - 0.90)
Energy Plant Operatives	4,625	3,330	72.0 (70.7 - 73.3)	68.4 (66.0 - 70.8)	1.53 (1.43 - 1.63)	0.98 (0.92 - 1.06)
Water and Sewerage Plant Operatives	9,970	6,710	67.3 (66.4 - 68.2)	64.7 (63.1 - 66.3)	1.22 (1.17 - 1.28)	0.81 (0.78 - 0.85)
Printing Machine Assistants	8,375	5,940	70.9 (70.0 - 71.9)	64.2 (62.5 - 66.0)	1.44 (1.38 - 1.51)	0.93 (0.89 - 0.98)
Plant and Machine Operatives n.e.c.	8,780	5,805	66.1 (65.1 - 67.1)	60.1 (58.4 - 61.7)	1.16 (1.11 - 1.21)	0.80 (0.76 - 0.84)
Assemblers (Electrical and Electronic Products)	11,075	8,005	72.3 (71.4 - 73.1)	64.6 (63.0 - 66.1)	1.55 (1.48 - 1.61)	0.98 (0.94 - 1.03)
Assemblers (Vehicles and Metal Goods)	17,065	11,045	64.7 (64.0 - 65.4)	59.8 (58.7 - 61.0)	1.09 (1.06 - 1.13)	0.83 (0.80 - 0.86)
Routine Inspectors and Testers	28,505	20,635	72.4 (71.9 - 72.9)	66.7 (65.8 - 67.7)	1.56 (1.52 - 1.60)	1.03 (1.00 - 1.06)
Weighers, Graders and Sorters	3,060	2,030	66.3 (64.7 - 68.0)	61.5 (58.7 - 64.3)	1.18 (1.10 - 1.28)	0.85 (0.78 - 0.92)
Tyre, Exhaust and Windscreen Fitters	7,125	3,705	52.0 (50.8 - 53.2)	56.1 (54.2 - 57.9)	0.64 (0.61 - 0.67)	0.59 (0.56 - 0.62)
Sewing Machinists	12,800	9,375	73.2 (72.5 - 74.0)	62.9 (61.2 - 64.5)	1.62 (1.56 - 1.69)	0.97 (0.93 - 1.01)
Assemblers and Routine Operatives n.e.c.	17,015	11,760	69.1 (68.4 - 69.8)	63.7 (62.5 - 64.9)	1.33 (1.29 - 1.37)	0.94 (0.91 - 0.98)
Scaffolders, Stagers and Riggers	16,205	7,500	46.3 (45.5 - 47.0)	50.4 (49.3 - 51.6)	0.51 (0.50 - 0.53)	0.41 (0.39 - 0.42)
Road Construction Operatives	11,280	6,520	57.8 (56.9 - 58.7)	55.8 (54.4 - 57.2)	0.81 (0.78 - 0.84)	0.59 (0.56 - 0.61)
Rail Construction and Maintenance Operatives	5,265	3,135	59.5 (58.2 - 60.9)	58.2 (56.2 - 60.3)	0.88 (0.83 - 0.93)	0.70 (0.66 - 0.74)
Construction Operatives n.e.c.	53,075	35,810	67.5 (67.1 - 67.9)	57.3 (56.6 - 58.0)	1.23 (1.21 - 1.25)	0.68 (0.67 - 0.70)
Production, Factory and Assembly Supervisors	30,725	22,265	72.5 (72.0 - 73.0)	66.0 (65.0 - 67.0)	1.56 (1.52 - 1.60)	1.04 (1.01 - 1.07)
Large Goods Vehicle Drivers	132,840	100,075	75.3 (75.1 - 75.6)	61.7 (61.1 - 62.2)	1.81 (1.79 - 1.84)	0.90 (0.89 - 0.92)
Bus and Coach Drivers	60,220	42,725	70.9 (70.6 - 71.3)	57.9 (57.1 - 58.6)	1.45 (1.42 - 1.48)	0.91 (0.89 - 0.92)
Taxi and Cab Drivers and Chauffeurs	81,755	51,850	63.4 (63.1 - 63.8)	48.8 (48.0 - 49.7)	1.03 (1.01 - 1.05)	1.06 (1.04 - 1.08)
Delivery Drivers and Couriers	118,680	78,750	66.4 (66.1 - 66.6)	59.6 (59.2 - 60.0)	1.17 (1.16 - 1.19)	0.82 (0.81 - 0.83)
Driving Instructors	17,525	14,275	81.5 (80.9 - 82.0)	67.1 (64.5 - 69.6)	2.61 (2.51 - 2.71)	1.17 (1.12 - 1.22)
Road Transport Drivers n.e.c.	57,235	39,725	69.4 (69.0 - 69.8)	55.6 (54.9 - 56.3)	1.35 (1.32 - 1.37)	0.78 (0.77 - 0.80)
Crane Drivers	5,365	3,565	66.4 (65.2 - 67.7)	55.8 (53.6 - 58.0)	1.18 (1.11 - 1.24)	0.68 (0.63 - 0.72)
Fork-lift Truck Drivers	28,010	18,180	64.9 (64.3 - 65.5)	55.1 (54.2 - 56.0)	1.10 (1.07 - 1.13)	0.74 (0.72 - 0.76)
Mobile Machine Drivers and Operatives n.e.c.	26,795	18,280	68.2 (67.7 - 68.8)	58.9 (57.9 - 59.8)	1.28 (1.24 - 1.31)	0.76 (0.73 - 0.78)
Train and Tram Drivers	15,305	11,740	76.7 (76.0 - 77.4)	67.5 (65.3 - 69.6)	1.95 (1.88 - 2.03)	1.08 (1.04 - 1.13)
Marine and Waterways Transport Operatives	2,775	1,940	69.9 (68.2 - 71.6)	66.5 (63.4 - 69.6)	1.38 (1.28 - 1.50)	0.87 (0.80 - 0.95)
Air Transport Operatives	5,900	4,210	71.4 (70.2 - 72.5)	67.5 (65.4 - 69.6)	1.48 (1.40 - 1.57)	1.18 (1.11 - 1.26)
Rail Transport Operatives	10,500	7,590	72.3 (71.4 - 73.1)	66.1 (64.5 - 67.8)	1.55 (1.48 - 1.62)	0.97 (0.92 - 1.01)

Other Drivers and Transport Operatives n.e.c.	8,975	6,750	75.2 (74.3 - 76.1)	68.2 (66.5 - 70.0)	1.80 (1.71 - 1.89)	1.15 (1.09 - 1.21)
Farm Workers	16,840	12,165	72.2 (71.6 - 72.9)	73.4 (72.0 - 74.8)	1.54 (1.49 - 1.60)	1.29 (1.25 - 1.34)
Forestry and Related Workers	2,825	1,940	68.7 (67.0 - 70.4)	65.7 (62.7 - 68.7)	1.31 (1.21 - 1.41)	0.81 (0.74 - 0.88)
Fishing and Other Elementary Agriculture Occupations n.e.c.	8,335	5,375	64.5 (63.5 - 65.5)	65.0 (63.2 - 66.8)	1.08 (1.03 - 1.13)	0.85 (0.81 - 0.90)
Groundworkers	20,440	10,795	52.8 (52.1 - 53.5)	53.5 (52.5 - 54.5)	0.67 (0.65 - 0.68)	0.51 (0.49 - 0.53)
Elementary Construction Occupations n.e.c.	57,595	27,780	48.2 (47.8 - 48.6)	53.4 (52.7 - 54.1)	0.55 (0.54 - 0.56)	0.50 (0.49 - 0.51)
Industrial Cleaning Process Occupations	8,850	5,575	63.0 (62.0 - 64.0)	57.3 (55.7 - 58.9)	1.01 (0.97 - 1.05)	0.73 (0.69 - 0.76)
Packers, Bottlers, Cannery and Fillers	39,610	22,915	57.9 (57.4 - 58.3)	55.2 (54.5 - 55.9)	0.81 (0.80 - 0.83)	0.76 (0.74 - 0.77)
Elementary Process Plant Occupations n.e.c.	40,300	25,725	63.8 (63.4 - 64.3)	58.9 (58.2 - 59.6)	1.05 (1.03 - 1.07)	0.79 (0.77 - 0.80)
Postal Workers, Mail Sorters and Messengers	80,945	59,210	73.1 (72.8 - 73.5)	64.1 (63.5 - 64.6)	1.62 (1.59 - 1.64)	0.96 (0.95 - 0.98)
Elementary Administration Occupations n.e.c.	15,415	10,250	66.5 (65.7 - 67.2)	65.1 (63.8 - 66.4)	1.18 (1.14 - 1.22)	0.97 (0.94 - 1.01)
Window Cleaners	16,465	11,040	67.1 (66.3 - 67.8)	60.4 (59.2 - 61.6)	1.21 (1.17 - 1.25)	0.72 (0.69 - 0.74)
Street Cleaners	4,415	3,295	74.6 (73.3 - 75.9)	63.9 (60.9 - 66.8)	1.77 (1.65 - 1.89)	0.88 (0.82 - 0.95)
Cleaners and Domestic Staff	282,570	193,675	68.5 (68.4 - 68.7)	60.4 (60.1 - 60.7)	1.29 (1.28 - 1.31)	0.84 (0.83 - 0.85)
Launderers, Dry Cleaners and Pressers	11,700	8,595	73.5 (72.7 - 74.3)	63.6 (61.9 - 65.2)	1.64 (1.57 - 1.71)	0.98 (0.94 - 1.03)
Refuse and Salvage Occupations	19,405	12,210	62.9 (62.2 - 63.6)	58.5 (57.4 - 59.6)	1.01 (0.98 - 1.04)	0.70 (0.67 - 0.72)
Vehicle Valeters and Cleaners	8,985	5,185	57.7 (56.7 - 58.7)	55.6 (54.1 - 57.1)	0.81 (0.78 - 0.85)	0.67 (0.64 - 0.71)
Elementary Cleaning Occupations n.e.c.	1,490	1,085	72.8 (70.6 - 75.1)	60.4 (55.9 - 64.8)	1.58 (1.41 - 1.77)	0.74 (0.65 - 0.84)
Security Guards and Related Occupations	80,110	51,575	64.4 (64.0 - 64.7)	58.8 (58.3 - 59.3)	1.07 (1.06 - 1.09)	0.96 (0.94 - 0.97)
School Midday and Crossing Patrol Occupations	51,740	37,405	72.3 (71.9 - 72.7)	66.4 (65.5 - 67.3)	1.55 (1.52 - 1.58)	1.06 (1.04 - 1.08)
Exam Invigilators	4,030	3,620	89.8 (88.9 - 90.8)	76.6 (72.3 - 80.9)	5.17 (4.67 - 5.73)	1.83 (1.64 - 2.04)
Shelf Fillers	30,015	19,730	65.7 (65.2 - 66.3)	65.9 (64.9 - 66.8)	1.14 (1.11 - 1.17)	0.95 (0.93 - 0.98)
Elementary Sales Occupations n.e.c.	15,935	9,855	61.8 (61.1 - 62.6)	65.4 (64.0 - 66.8)	0.96 (0.93 - 0.99)	0.95 (0.91 - 0.98)
Elementary Storage Supervisors	16,145	11,265	69.8 (69.1 - 70.5)	64.8 (63.5 - 66.1)	1.37 (1.32 - 1.42)	1.00 (0.96 - 1.04)
Warehouse Operatives	206,975	123,985	59.9 (59.7 - 60.1)	59.4 (59.0 - 59.7)	0.89 (0.88 - 0.90)	0.79 (0.79 - 0.80)
Delivery Operatives	13,145	7,605	57.9 (57.0 - 58.7)	58.1 (56.8 - 59.5)	0.82 (0.79 - 0.85)	0.73 (0.70 - 0.76)
Elementary Storage Occupations n.e.c.	6,940	4,390	63.3 (62.1 - 64.4)	61.1 (59.2 - 62.9)	1.02 (0.97 - 1.07)	0.76 (0.72 - 0.80)
Bar and Catering Supervisors	20,230	12,210	60.4 (59.7 - 61.0)	66.6 (65.4 - 67.9)	0.90 (0.88 - 0.93)	0.96 (0.93 - 0.99)
Hospital Porters	7,960	6,310	79.3 (78.4 - 80.2)	72.9 (70.8 - 75.0)	2.27 (2.15 - 2.40)	1.56 (1.47 - 1.66)
Kitchen and Catering Assistants	160,745	98,350	61.2 (60.9 - 61.4)	63.5 (63.1 - 63.9)	0.94 (0.93 - 0.95)	0.97 (0.95 - 0.98)
Waiters and Waitresses	68,340	36,495	53.4 (53.0 - 53.8)	62.3 (61.4 - 63.1)	0.68 (0.67 - 0.69)	0.99 (0.98 - 1.01)
Bar Staff	47,345	23,705	50.1 (49.6 - 50.5)	60.7 (59.7 - 61.7)	0.60 (0.58 - 0.61)	0.77 (0.75 - 0.78)
Coffee Shop Workers	18,065	9,925	54.9 (54.2 - 55.7)	65.8 (64.0 - 67.5)	0.72 (0.70 - 0.74)	1.04 (1.01 - 1.07)

Leisure and Theme Park Attendants	9,135	5,850	64.0 (63.1 - 65.0)	71.0 (68.9 - 73.1)	1.05 (1.01 - 1.10)	1.31 (1.25 - 1.37)
Other Elementary Services Occupations n.e.c.	7,100	4,590	64.6 (63.5 - 65.8)	64.0 (62.2 - 65.9)	1.09 (1.04 - 1.15)	0.89 (0.84 - 0.94)

Note: ONS Public Health Data Asset and NHS England National Immunisation Management System. The reference category for the ORs is the Sales and Retail Assistants occupation. The fully adjusted model includes sex, age band, ethnicity, region, highest level of qualification, disability status and pre-existing health condition.

**Table S6 Vaccination coverage for SOC unit groups**

Occupation	Population	Proportion of people who had not received a vaccination (%)	Proportion of people who had received one vaccination only (%)	Proportion of people who had received two vaccinations only (%)	Proportion of people who had received three vaccinations (%)
Chief Executives and Senior Officials	61,700	3.4 (3.2 - 3.5)	0.7 (0.6 - 0.7)	7.4 (7.2 - 7.6)	88.5 (88.3 - 88.8)
Elected Officers and Representatives	2,495	3.0 (2.3 - 3.7)	1.0 (0.6 - 1.4)	8.6 (7.5 - 9.7)	86.6 (85.2 - 87.9)
Production Managers and Directors in Manufacturing	170,430	4.4 (4.3 - 4.4)	0.9 (0.9 - 1.0)	11.0 (10.8 - 11.1)	83.8 (83.6 - 83.9)
Production Managers and Directors in Construction	175,480	6.9 (6.8 - 7.0)	1.4 (1.3 - 1.4)	14.8 (14.6 - 14.9)	77.0 (76.8 - 77.2)
Production Managers and Directors in Mining and Energy	11,515	4.1 (3.8 - 4.5)	0.9 (0.7 - 1.1)	11.7 (11.1 - 12.3)	83.4 (82.7 - 84.1)
Financial Managers and Directors	212,925	3.3 (3.2 - 3.4)	0.7 (0.7 - 0.8)	9.1 (9.0 - 9.3)	86.8 (86.7 - 87.0)
Marketing, Sales and Advertising Directors	104,305	3.0 (2.9 - 3.1)	0.6 (0.6 - 0.7)	8.9 (8.8 - 9.1)	87.4 (87.2 - 87.6)
Public Relations and Communications Directors	12,410	2.1 (1.8 - 2.3)	0.4 (0.3 - 0.6)	5.5 (5.1 - 5.9)	92.0 (91.5 - 92.5)
Purchasing Managers and Directors	24,370	2.9 (2.7 - 3.1)	0.7 (0.6 - 0.8)	8.5 (8.2 - 8.9)	87.8 (87.4 - 88.2)
Charitable Organisation Managers and Directors	11,500	3.3 (3.0 - 3.7)	0.7 (0.5 - 0.8)	7.5 (7.0 - 8.0)	88.5 (87.9 - 89.1)
Human Resource Managers and Directors	111,255	3.9 (3.8 - 4.0)	0.9 (0.9 - 1.0)	10.5 (10.3 - 10.7)	84.7 (84.5 - 84.9)
Information Technology Directors	69,515	3.8 (3.7 - 4.0)	0.6 (0.6 - 0.7)	8.5 (8.3 - 8.7)	87.0 (86.8 - 87.3)
Functional Managers and Directors n.e.c.	59,510	3.4 (3.2 - 3.5)	0.6 (0.6 - 0.7)	8.1 (7.9 - 8.3)	87.9 (87.6 - 88.1)
Directors in Logistics, Warehousing and Transport	8,440	5.9 (5.4 - 6.4)	1.3 (1.1 - 1.5)	11.6 (10.9 - 12.3)	81.3 (80.4 - 82.1)
Managers and Directors in Retail and Wholesale	261,585	6.4 (6.3 - 6.5)	1.7 (1.7 - 1.8)	17.0 (16.8 - 17.1)	74.9 (74.7 - 75.0)
Officers in Armed Forces	2,555	4.7 (3.9 - 5.5)	1.4 (0.9 - 1.8)	11.4 (10.1 - 12.6)	83.0 (81.5 - 84.4)

Senior Police Officers	4,955	1.1 (0.8 - 1.4)	0.2 (0.1 - 0.3)	5.7 (5.0 - 6.3)	92.8 (92.1 - 93.6)
Senior Officers in Fire, Ambulance, Prison and Related Services	5,375	3.3 (2.9 - 3.8)	1.2 (0.9 - 1.5)	11.1 (10.2 - 11.9)	84.3 (83.3 - 85.3)
Health Services and Public Health Managers and Directors	44,395	2.6 (2.5 - 2.8)	1.0 (0.9 - 1.1)	8.2 (7.9 - 8.4)	88.3 (88.0 - 88.6)
Social Services Managers and Directors	33,125	4.6 (4.4 - 4.8)	1.1 (1.0 - 1.2)	12.5 (12.2 - 12.9)	81.8 (81.4 - 82.2)
Managers and Proprietors in Agriculture and Horticulture	13,475	4.4 (4.0 - 4.7)	1.1 (0.9 - 1.3)	9.9 (9.4 - 10.4)	84.8 (84.2 - 85.4)
Managers and Proprietors in Forestry, Fishing and Related Services	12,570	7.0 (6.5 - 7.4)	1.6 (1.4 - 1.8)	13.2 (12.7 - 13.8)	78.2 (77.5 - 78.9)
Hotel and Accommodation Managers and Proprietors	18,230	5.7 (5.4 - 6.1)	1.4 (1.3 - 1.6)	13.4 (12.9 - 13.9)	79.4 (78.8 - 80.0)
Restaurant and Catering Establishment Managers and Proprietors	63,585	8.0 (7.8 - 8.2)	2.5 (2.4 - 2.7)	22.5 (22.2 - 22.9)	66.9 (66.5 - 67.2)
Publicans and Managers of Licensed Premises	15,000	5.9 (5.6 - 6.3)	2.6 (2.3 - 2.9)	22.0 (21.3 - 22.7)	69.5 (68.8 - 70.3)
Leisure and Sports Managers	37,240	6.9 (6.6 - 7.2)	1.6 (1.5 - 1.8)	16.0 (15.7 - 16.4)	75.4 (75.0 - 75.9)
Travel Agency Managers and Proprietors	6,115	3.8 (3.3 - 4.2)	0.6 (0.4 - 0.8)	11.6 (10.8 - 12.4)	84.0 (83.1 - 84.9)
Health Care Practice Managers	13,920	3.0 (2.7 - 3.3)	1.0 (0.8 - 1.2)	9.7 (9.2 - 10.2)	86.2 (85.6 - 86.7)
Residential, Day and Domiciliary Care Managers and Proprietors	33,805	3.2 (3.0 - 3.4)	1.1 (1.0 - 1.2)	13.8 (13.4 - 14.2)	81.9 (81.5 - 82.3)
Early Education and Childcare Services Proprietors	3,155	5.5 (4.7 - 6.3)	1.3 (0.9 - 1.7)	12.7 (11.5 - 13.8)	80.8 (79.5 - 82.2)
Managers in Transport and Distribution	55,725	5.7 (5.5 - 5.9)	1.3 (1.2 - 1.4)	14.1 (13.8 - 14.4)	79.0 (78.6 - 79.3)
Managers in Storage and Warehousing	31,210	6.6 (6.3 - 6.8)	1.7 (1.6 - 1.9)	16.9 (16.4 - 17.3)	74.9 (74.4 - 75.4)
Managers in Logistics	12,550	3.9 (3.6 - 4.2)	1.0 (0.8 - 1.2)	11.6 (11.1 - 12.2)	83.4 (82.7 - 84.0)
Property, Housing and Estate Managers	103,960	5.9 (5.7 - 6.0)	1.1 (1.1 - 1.2)	12.3 (12.1 - 12.5)	80.7 (80.5 - 81.0)
Garage Managers and Proprietors	19,565	7.8 (7.5 - 8.2)	1.6 (1.4 - 1.7)	16.6 (16.1 - 17.1)	73.9 (73.3 - 74.5)
Hairdressing and Beauty Salon Managers and Proprietors	9,885	10.0 (9.4 - 10.6)	2.4 (2.1 - 2.7)	22.2 (21.4 - 23.0)	65.3 (64.4 - 66.2)
Waste Disposal and Environmental Services Managers	7,760	7.7 (7.1 - 8.3)	1.4 (1.2 - 1.7)	14.9 (14.2 - 15.7)	76.0 (75.0 - 76.9)
Managers and Directors in the Creative Industries	40,850	3.9 (3.7 - 4.1)	0.8 (0.7 - 0.9)	8.4 (8.1 - 8.7)	86.9 (86.6 - 87.3)
Betting Shop and Gambling Establishment Managers	4,255	8.2 (7.4 - 9.1)	3.3 (2.8 - 3.8)	19.0 (17.9 - 20.2)	69.9 (68.5 - 71.3)

Hire Services Managers and Proprietors	9,210	5.8 (5.3 - 6.3)	1.4 (1.1 - 1.6)	15.2 (14.5 - 15.9)	77.9 (77.0 - 78.7)
Directors in Consultancy Services	37,130	3.3 (3.1 - 3.4)	0.6 (0.5 - 0.6)	6.7 (6.4 - 6.9)	89.5 (89.2 - 89.8)
Managers and Proprietors in Other Services n.e.c.	96,075	7.3 (7.1 - 7.4)	1.4 (1.3 - 1.5)	14.0 (13.8 - 14.3)	77.3 (77.0 - 77.5)
Chemical Scientists	5,385	4.6 (4.1 - 5.2)	0.8 (0.6 - 1.1)	12.4 (11.6 - 13.3)	82.0 (81.0 - 83.0)
Biological Scientists	8,015	3.8 (3.4 - 4.2)	1.1 (0.8 - 1.3)	10.0 (9.4 - 10.7)	85.0 (84.2 - 85.8)
Biochemists and Biomedical Scientists	21,260	3.2 (3.0 - 3.5)	1.4 (1.3 - 1.6)	10.6 (10.2 - 11.0)	84.7 (84.3 - 85.2)
Physical Scientists	4,055	3.3 (2.8 - 3.9)	0.4 (0.2 - 0.6)	7.5 (6.7 - 8.3)	88.7 (87.7 - 89.6)
Social and Humanities Scientists	4,550	3.2 (2.7 - 3.7)	0.9 (0.6 - 1.2)	8.1 (7.3 - 8.9)	87.8 (86.9 - 88.8)
Natural and Social Science Professionals n.e.c.	10,000	2.7 (2.4 - 3.0)	0.7 (0.5 - 0.9)	8.2 (7.7 - 8.7)	88.5 (87.8 - 89.1)
Civil Engineers	29,825	6.2 (5.9 - 6.5)	1.4 (1.3 - 1.6)	15.0 (14.6 - 15.4)	77.4 (76.9 - 77.8)
Mechanical Engineers	52,385	6.7 (6.4 - 6.9)	1.7 (1.5 - 1.8)	16.5 (16.1 - 16.8)	75.3 (74.9 - 75.6)
Electrical Engineers	14,960	6.7 (6.3 - 7.1)	1.6 (1.4 - 1.8)	17.8 (17.2 - 18.4)	74.0 (73.3 - 74.7)
Electronics Engineers	8,240	5.8 (5.3 - 6.3)	1.2 (0.9 - 1.4)	14.1 (13.3 - 14.8)	79.0 (78.1 - 79.9)
Production and Process Engineers	19,345	4.9 (4.6 - 5.2)	1.1 (1.0 - 1.3)	13.9 (13.4 - 14.4)	80.0 (79.5 - 80.6)
Aerospace Engineers	5,795	5.3 (4.7 - 5.8)	1.1 (0.9 - 1.4)	13.9 (13.0 - 14.8)	79.5 (78.4 - 80.5)
Engineering Project Managers and Project Engineers	18,680	3.5 (3.2 - 3.7)	0.9 (0.7 - 1.0)	12.5 (12.0 - 13.0)	83.1 (82.5 - 83.6)
Engineering Professionals n.e.c.	61,550	5.3 (5.1 - 5.5)	1.3 (1.2 - 1.4)	14.1 (13.8 - 14.4)	79.3 (78.9 - 79.6)
IT Project Managers	21,340	3.4 (3.2 - 3.6)	0.8 (0.7 - 0.9)	10.3 (9.9 - 10.7)	85.5 (85.1 - 86.0)
IT Managers	91,735	3.4 (3.3 - 3.5)	0.7 (0.7 - 0.8)	9.5 (9.3 - 9.7)	86.4 (86.2 - 86.6)
IT Business Analysts, Architects and Systems Designers	63,630	4.0 (3.9 - 4.2)	0.9 (0.8 - 0.9)	10.6 (10.4 - 10.9)	84.5 (84.2 - 84.8)
Programmers and Software Development Professionals	131,250	4.9 (4.8 - 5.0)	1.1 (1.0 - 1.1)	12.4 (12.2 - 12.6)	81.7 (81.5 - 81.9)
Cyber Security Professionals	11,955	5.0 (4.6 - 5.4)	1.0 (0.9 - 1.2)	12.6 (12.0 - 13.2)	81.3 (80.6 - 82.0)
IT Quality and Testing Professionals	8,870	4.6 (4.2 - 5.1)	1.1 (0.9 - 1.3)	13.8 (13.0 - 14.5)	80.6 (79.7 - 81.4)
IT Network Professionals	9,340	6.6 (6.1 - 7.1)	1.6 (1.4 - 1.9)	17.2 (16.5 - 18.0)	74.6 (73.7 - 75.5)
Information Technology Professionals n.e.c.	43,600	4.8 (4.6 - 5.0)	1.0 (0.9 - 1.0)	11.0 (10.7 - 11.2)	83.3 (83.0 - 83.7)
Web Design Professionals	8,080	7.4 (6.9 - 8.0)	1.6 (1.3 - 1.9)	15.5 (14.7 - 16.3)	75.4 (74.5 - 76.4)
Graphic and Multimedia Designers	43,560	6.5 (6.3 - 6.7)	1.4 (1.3 - 1.5)	14.6 (14.2 - 14.9)	77.5 (77.1 - 77.9)
Conservation Professionals	6,070	2.9 (2.5 - 3.3)	1.0 (0.7 - 1.2)	7.6 (6.9 - 8.2)	88.9 (88.1 - 89.7)

Environment Professionals	17,225	2.9 (2.6 - 3.1)	0.7 (0.6 - 0.9)	8.6 (8.1 - 9.0)	87.8 (87.3 - 88.3)
Research and Development (R&D) Managers	29,700	2.6 (2.5 - 2.8)	0.7 (0.6 - 0.7)	8.4 (8.1 - 8.7)	88.3 (88.0 - 88.7)
Other Researchers, Unspecified Discipline	12,125	3.2 (2.9 - 3.5)	0.8 (0.7 - 1.0)	8.5 (8.0 - 9.0)	87.5 (86.9 - 88.1)
Generalist Medical Practitioners	76,175	1.8 (1.7 - 1.9)	0.6 (0.6 - 0.7)	6.8 (6.6 - 6.9)	90.9 (90.7 - 91.1)
Specialist Medical Practitioners	39,955	1.9 (1.8 - 2.0)	0.5 (0.4 - 0.6)	4.3 (4.1 - 4.5)	93.3 (93.1 - 93.6)
Physiotherapists	27,215	2.3 (2.1 - 2.4)	0.8 (0.7 - 0.9)	7.1 (6.8 - 7.5)	89.8 (89.5 - 90.2)
Occupational Therapists	19,870	2.6 (2.4 - 2.8)	0.9 (0.7 - 1.0)	8.5 (8.1 - 8.9)	88.1 (87.6 - 88.5)
Speech and Language Therapists	9,525	1.9 (1.6 - 2.2)	0.7 (0.5 - 0.8)	5.5 (5.0 - 5.9)	92.0 (91.5 - 92.6)
Psychotherapists and Cognitive Behaviour Therapists	14,150	5.5 (5.1 - 5.9)	1.2 (1.0 - 1.4)	8.8 (8.3 - 9.2)	84.6 (84.0 - 85.2)
Clinical Psychologists	8,385	1.7 (1.5 - 2.0)	0.7 (0.5 - 0.9)	6.0 (5.5 - 6.5)	91.7 (91.1 - 92.3)
Other Psychologists	9,075	3.8 (3.4 - 4.2)	1.4 (1.2 - 1.7)	11.0 (10.3 - 11.6)	83.8 (83.0 - 84.6)
Therapy Professionals n.e.c.	15,345	12.3 (11.7 - 12.8)	1.8 (1.6 - 2.0)	14.1 (13.6 - 14.7)	71.9 (71.2 - 72.6)
Midwifery Nurses	23,900	4.1 (3.8 - 4.3)	1.8 (1.7 - 2.0)	13.6 (13.1 - 14.0)	80.5 (80.0 - 81.0)
Community Nurses	38,965	2.2 (2.0 - 2.3)	1.1 (1.0 - 1.2)	10.2 (9.9 - 10.5)	86.5 (86.1 - 86.8)
Specialist Nurses	29,005	1.9 (1.8 - 2.1)	0.9 (0.8 - 1.0)	6.9 (6.7 - 7.2)	90.3 (89.9 - 90.6)
Nurse Practitioners	31,840	2.7 (2.6 - 2.9)	1.3 (1.2 - 1.4)	9.9 (9.6 - 10.3)	86.0 (85.6 - 86.4)
Mental Health Nurses	17,225	4.2 (3.9 - 4.4)	2.4 (2.2 - 2.7)	16.7 (16.2 - 17.3)	76.6 (75.9 - 77.2)
Children's Nurses	11,245	2.9 (2.6 - 3.2)	1.7 (1.5 - 1.9)	11.8 (11.2 - 12.4)	83.5 (82.8 - 84.1)
Other Nursing Professionals	222,745	3.2 (3.1 - 3.3)	1.9 (1.8 - 1.9)	13.4 (13.3 - 13.6)	81.5 (81.4 - 81.7)
Veterinarians	9,125	2.3 (2.0 - 2.6)	0.5 (0.3 - 0.6)	8.3 (7.8 - 8.9)	88.9 (88.2 - 89.5)
Pharmacists	32,395	4.8 (4.5 - 5.0)	1.8 (1.6 - 1.9)	14.7 (14.3 - 15.0)	78.8 (78.3 - 79.2)
Optometrists	9,345	4.8 (4.4 - 5.2)	1.3 (1.1 - 1.6)	16.6 (15.8 - 17.3)	77.3 (76.5 - 78.2)
Dental Practitioners	17,460	2.6 (2.4 - 2.9)	1.0 (0.8 - 1.1)	10.0 (9.6 - 10.5)	86.5 (86.0 - 87.0)
Medical Radiographers	17,040	2.9 (2.7 - 3.2)	1.5 (1.3 - 1.7)	10.5 (10.1 - 11.0)	85.1 (84.6 - 85.6)
Paramedics	15,040	2.2 (2.0 - 2.4)	1.5 (1.3 - 1.7)	12.3 (11.8 - 12.9)	83.9 (83.3 - 84.5)
Podiatrists	6,970	3.8 (3.4 - 4.3)	0.7 (0.5 - 0.9)	8.3 (7.7 - 9.0)	87.2 (86.4 - 88.0)
Other Health Professionals n.e.c.	23,680	4.2 (4.0 - 4.5)	1.3 (1.2 - 1.5)	11.4 (11.0 - 11.8)	83.0 (82.5 - 83.5)
Higher Education Teaching Professionals	74,220	3.1 (2.9 - 3.2)	0.7 (0.7 - 0.8)	6.7 (6.6 - 6.9)	89.5 (89.3 - 89.7)
Further Education Teaching Professionals	26,390	5.2 (5.0 - 5.5)	1.3 (1.1 - 1.4)	12.8 (12.4 - 13.2)	80.7 (80.2 - 81.1)
Secondary Education Teaching Professionals	199,990	3.8 (3.7 - 3.9)	1.0 (0.9 - 1.0)	11.1 (11.0 - 11.3)	84.1 (83.9 - 84.3)

Primary Education Teaching Professionals	202,390	3.9 (3.9 - 4.0)	1.1 (1.0 - 1.1)	12.8 (12.6 - 12.9)	82.2 (82.1 - 82.4)
Nursery Education Teaching Professionals	9,605	7.2 (6.7 - 7.8)	1.7 (1.4 - 1.9)	16.3 (15.6 - 17.0)	74.9 (74.0 - 75.7)
Special Needs Education Teaching Professionals	21,755	4.1 (3.8 - 4.3)	1.0 (0.8 - 1.1)	10.7 (10.3 - 11.1)	84.3 (83.8 - 84.7)
Teachers of English as a Foreign Language	4,180	14.4 (13.3 - 15.4)	2.0 (1.6 - 2.5)	15.2 (14.1 - 16.3)	68.4 (67.0 - 69.8)
Teaching Professionals n.e.c.	58,420	8.1 (7.9 - 8.3)	1.6 (1.5 - 1.7)	13.5 (13.2 - 13.8)	76.8 (76.5 - 77.1)
Head Teachers and Principals	37,510	1.8 (1.6 - 1.9)	0.4 (0.4 - 0.5)	6.0 (5.8 - 6.3)	91.8 (91.5 - 92.1)
Education Managers	45,285	3.4 (3.3 - 3.6)	0.8 (0.7 - 0.9)	8.8 (8.5 - 9.1)	87.0 (86.7 - 87.3)
Education Advisers and School Inspectors	15,530	4.3 (4.0 - 4.7)	0.9 (0.8 - 1.1)	9.0 (8.5 - 9.4)	86.0 (85.4 - 86.5)
Early Education and Childcare Services Managers	17,680	6.3 (6.0 - 6.7)	1.6 (1.4 - 1.8)	17.7 (17.1 - 18.3)	74.4 (73.7 - 75.0)
Other Educational Professionals n.e.c.	19,225	4.4 (4.1 - 4.7)	1.0 (0.9 - 1.2)	9.8 (9.4 - 10.2)	84.7 (84.2 - 85.2)
Barristers and Judges	13,555	3.3 (3.0 - 3.6)	0.7 (0.6 - 0.8)	7.9 (7.5 - 8.4)	88.0 (87.5 - 88.6)
Solicitors and Lawyers	78,355	3.2 (3.1 - 3.4)	0.8 (0.7 - 0.9)	9.3 (9.1 - 9.5)	86.7 (86.4 - 86.9)
Legal Professionals n.e.c.	36,730	5.7 (5.4 - 5.9)	1.6 (1.5 - 1.7)	15.2 (14.8 - 15.6)	77.5 (77.1 - 77.9)
Chartered and Certified Accountants	101,320	4.7 (4.6 - 4.9)	1.1 (1.1 - 1.2)	13.3 (13.1 - 13.5)	80.8 (80.6 - 81.1)
Finance and Investment Analysts and Advisers	99,065	5.4 (5.3 - 5.6)	1.3 (1.2 - 1.4)	15.0 (14.8 - 15.2)	78.3 (78.0 - 78.5)
Taxation Experts	17,675	3.6 (3.3 - 3.9)	0.9 (0.8 - 1.0)	10.4 (10.0 - 10.9)	85.1 (84.6 - 85.6)
Management Consultants and Business Analysts	64,095	3.9 (3.7 - 4.0)	0.9 (0.8 - 0.9)	10.4 (10.2 - 10.7)	84.8 (84.5 - 85.1)
Marketing and Commercial Managers	47,555	3.9 (3.7 - 4.0)	0.9 (0.8 - 1.0)	11.4 (11.1 - 11.7)	83.8 (83.5 - 84.1)
Actuaries, Economists and Statisticians	17,130	3.2 (2.9 - 3.5)	0.8 (0.7 - 1.0)	10.4 (9.9 - 10.8)	85.6 (85.1 - 86.1)
Business and Related Research Professionals	31,270	4.0 (3.8 - 4.2)	1.0 (0.9 - 1.1)	11.8 (11.4 - 12.1)	83.3 (82.8 - 83.7)
Professional/Chartered Company Secretaries	1,190	3.4 (2.3 - 4.4)	0.4 (0.1 - 0.8)	8.4 (6.8 - 10.0)	87.0 (85.1 - 88.9)
Business, Research and Administrative Professionals n.e.c.	22,305	2.5 (2.3 - 2.7)	0.8 (0.7 - 0.9)	7.8 (7.4 - 8.2)	88.9 (88.5 - 89.3)
Business and Financial Project Management Professionals	122,215	3.8 (3.6 - 3.9)	0.9 (0.9 - 1.0)	10.6 (10.4 - 10.8)	84.7 (84.5 - 84.9)
Architects	7,740	4.0 (3.6 - 4.4)	0.6 (0.4 - 0.8)	8.8 (8.2 - 9.4)	86.6 (85.9 - 87.4)
Chartered Architectural Technologists, Planning Officers and Consultants	15,085	3.9 (3.6 - 4.2)	0.8 (0.6 - 0.9)	10.0 (9.5 - 10.5)	85.3 (84.7 - 85.8)
Quantity Surveyors	18,085	6.3 (5.9 - 6.6)	1.7 (1.6 - 1.9)	20.0 (19.4 - 20.6)	71.9 (71.3 - 72.6)
Chartered Surveyors	30,700	4.6 (4.4 - 4.9)	1.1 (1.0 - 1.2)	12.4 (12.0 - 12.7)	81.9 (81.5 - 82.4)

Construction Project Managers and Related Professionals	36,720	4.7 (4.4 - 4.9)	1.3 (1.1 - 1.4)	14.5 (14.1 - 14.8)	79.6 (79.2 - 80.0)
Social Workers	52,480	6.1 (5.9 - 6.3)	1.5 (1.4 - 1.6)	15.3 (15.0 - 15.6)	77.1 (76.8 - 77.5)
Probation Officers	6,070	6.8 (6.1 - 7.4)	1.3 (1.0 - 1.6)	13.8 (13.0 - 14.7)	78.2 (77.1 - 79.2)
Clergy	16,115	4.3 (4.0 - 4.6)	0.9 (0.8 - 1.1)	9.5 (9.1 - 10.0)	85.2 (84.7 - 85.8)
Youth Work Professionals	6,705	9.2 (8.5 - 9.9)	2.5 (2.2 - 2.9)	17.4 (16.5 - 18.4)	70.9 (69.8 - 72.0)
Welfare Professionals n.e.c.	9,120	5.3 (4.9 - 5.8)	1.6 (1.4 - 1.9)	12.7 (12.0 - 13.4)	80.4 (79.6 - 81.2)
Librarians	6,605	2.8 (2.4 - 3.2)	0.5 (0.4 - 0.7)	6.0 (5.4 - 6.6)	90.5 (89.8 - 91.2)
Archivists and Curators	5,135	2.5 (2.1 - 3.0)	0.8 (0.5 - 1.0)	5.6 (4.9 - 6.2)	91.2 (90.5 - 92.0)
Quality Control and Planning Engineers	19,175	4.6 (4.3 - 4.9)	1.1 (1.0 - 1.3)	13.2 (12.8 - 13.7)	81.0 (80.5 - 81.6)
Quality Assurance and Regulatory Professionals	57,180	3.7 (3.5 - 3.9)	0.8 (0.8 - 0.9)	10.1 (9.8 - 10.3)	85.4 (85.2 - 85.7)
Environmental Health Professionals	4,165	3.4 (2.8 - 3.9)	0.7 (0.5 - 1.0)	8.8 (7.9 - 9.6)	87.4 (86.4 - 88.4)
Newspaper and Periodical Editors	16,705	2.8 (2.6 - 3.1)	0.6 (0.5 - 0.7)	6.6 (6.3 - 7.0)	89.9 (89.4 - 90.3)
Newspaper and Periodical Journalists and Reporters	12,255	3.1 (2.8 - 3.5)	0.8 (0.6 - 0.9)	8.4 (7.9 - 8.9)	87.6 (87.1 - 88.2)
Public Relations Professionals	23,410	4.5 (4.2 - 4.8)	1.2 (1.0 - 1.3)	13.0 (12.6 - 13.5)	81.2 (80.7 - 81.7)
Advertising Accounts Managers and Creative Directors	25,640	4.4 (4.1 - 4.6)	1.0 (0.9 - 1.1)	11.9 (11.5 - 12.3)	82.7 (82.3 - 83.2)
Laboratory Technicians	30,100	5.4 (5.1 - 5.7)	1.7 (1.5 - 1.8)	15.8 (15.4 - 16.2)	77.1 (76.7 - 77.6)
Electrical and Electronics Technicians	5,580	7.5 (6.8 - 8.2)	1.8 (1.4 - 2.1)	17.3 (16.3 - 18.3)	73.3 (72.1 - 74.5)
Engineering Technicians	26,320	7.0 (6.6 - 7.3)	1.8 (1.7 - 2.0)	18.3 (17.8 - 18.7)	72.9 (72.4 - 73.5)
Building and Civil Engineering Technicians	6,525	8.1 (7.5 - 8.8)	2.0 (1.7 - 2.3)	17.9 (17.0 - 18.9)	71.9 (70.8 - 73.0)
Quality Assurance Technicians	13,290	6.7 (6.3 - 7.1)	1.6 (1.4 - 1.8)	16.7 (16.1 - 17.4)	74.9 (74.2 - 75.6)
Planning, Process and Production Technicians	12,525	5.7 (5.3 - 6.2)	1.5 (1.3 - 1.7)	16.1 (15.5 - 16.8)	76.6 (75.9 - 77.4)
Science, Engineering and Production Technicians n.e.c.	44,585	7.8 (7.5 - 8.0)	1.8 (1.6 - 1.9)	17.4 (17.1 - 17.8)	73.0 (72.6 - 73.5)
CAD, Drawing and Architectural Technicians	28,665	5.1 (4.8 - 5.3)	1.1 (1.0 - 1.2)	13.7 (13.3 - 14.1)	80.0 (79.5 - 80.5)
IT Operations Technicians	35,830	7.6 (7.3 - 7.9)	1.7 (1.6 - 1.9)	16.4 (16.0 - 16.8)	74.3 (73.8 - 74.7)
IT User Support Technicians	61,710	6.6 (6.4 - 6.8)	1.7 (1.6 - 1.8)	16.3 (16.0 - 16.6)	75.3 (75.0 - 75.6)
Database Administrators and Web Content Technicians	26,025	5.4 (5.1 - 5.7)	1.3 (1.2 - 1.4)	13.3 (12.9 - 13.7)	80.0 (79.5 - 80.5)
Dispensing Opticians	4,450	4.4 (3.8 - 5.0)	1.1 (0.8 - 1.4)	12.2 (11.3 - 13.2)	81.9 (80.8 - 83.0)

Pharmaceutical Technicians	16,005	4.0 (3.7 - 4.3)	1.8 (1.6 - 2.0)	13.1 (12.6 - 13.6)	81.1 (80.5 - 81.7)
Medical and Dental Technicians	19,240	4.2 (3.9 - 4.5)	2.0 (1.8 - 2.2)	14.6 (14.1 - 15.1)	79.2 (78.7 - 79.8)
Complementary Health Associate Professionals	10,420	20.2 (19.4 - 21.0)	2.0 (1.7 - 2.2)	13.6 (12.9 - 14.2)	64.4 (63.5 - 65.3)
Health Associate Professionals n.e.c.	15,295	9.7 (9.3 - 10.2)	1.7 (1.5 - 1.9)	13.4 (12.9 - 14.0)	75.1 (74.4 - 75.7)
Youth and Community Workers	31,425	7.1 (6.9 - 7.4)	1.5 (1.4 - 1.6)	14.7 (14.3 - 15.1)	76.6 (76.1 - 77.1)
Child and Early Years Officers	25,345	5.8 (5.5 - 6.1)	1.4 (1.2 - 1.5)	14.1 (13.7 - 14.5)	78.8 (78.3 - 79.3)
Housing Officers	21,675	8.5 (8.2 - 8.9)	1.5 (1.4 - 1.7)	14.8 (14.4 - 15.3)	75.2 (74.6 - 75.7)
Counsellors	17,310	8.0 (7.6 - 8.4)	1.4 (1.2 - 1.6)	12.1 (11.6 - 12.6)	78.5 (77.9 - 79.1)
Welfare and Housing Associate Professionals n.e.c.	59,145	6.3 (6.1 - 6.5)	1.6 (1.5 - 1.7)	14.0 (13.7 - 14.3)	78.1 (77.8 - 78.4)
Higher Level Teaching Assistants	87,020	5.7 (5.6 - 5.9)	1.4 (1.3 - 1.5)	14.8 (14.6 - 15.0)	78.0 (77.8 - 78.3)
Early Education and Childcare Practitioners	56,845	9.8 (9.5 - 10.0)	2.8 (2.7 - 2.9)	24.4 (24.0 - 24.8)	63.0 (62.6 - 63.4)
Veterinary Nurses	12,540	5.5 (5.1 - 5.9)	1.6 (1.4 - 1.9)	20.3 (19.6 - 21.0)	72.6 (71.8 - 73.3)
Non-commissioned Officers and Other Ranks	3,015	8.5 (7.5 - 9.5)	3.5 (2.8 - 4.1)	21.4 (19.9 - 22.9)	67.0 (65.3 - 68.7)
Police Officers (Sergeant and below)	97,230	2.9 (2.8 - 3.0)	1.0 (1.0 - 1.1)	15.2 (15.0 - 15.4)	80.9 (80.6 - 81.1)
Fire Service Officers (Watch Manager and below)	21,860	7.5 (7.2 - 7.9)	1.8 (1.6 - 2.0)	19.3 (18.8 - 19.9)	71.4 (70.8 - 72.0)
Prison Service Officers (Below Principal Officer)	23,120	7.7 (7.4 - 8.0)	2.7 (2.5 - 2.9)	22.8 (22.3 - 23.4)	66.7 (66.1 - 67.3)
Protective Service Associate Professionals n.e.c.	39,415	5.6 (5.3 - 5.8)	1.3 (1.2 - 1.5)	13.4 (13.1 - 13.7)	79.7 (79.3 - 80.1)
Artists	23,235	8.8 (8.5 - 9.2)	1.8 (1.6 - 2.0)	13.0 (12.6 - 13.5)	76.4 (75.8 - 76.9)
Authors, Writers and Translators	33,610	6.5 (6.2 - 6.7)	1.1 (1.0 - 1.2)	11.1 (10.8 - 11.4)	81.3 (80.8 - 81.7)
Actors, Entertainers and Presenters	22,150	10.2 (9.8 - 10.6)	2.1 (2.0 - 2.3)	18.0 (17.5 - 18.5)	69.6 (69.0 - 70.2)
Dancers and Choreographers	7,190	9.1 (8.4 - 9.8)	1.9 (1.6 - 2.3)	19.7 (18.8 - 20.6)	69.3 (68.2 - 70.3)
Musicians	14,810	8.3 (7.8 - 8.7)	1.5 (1.3 - 1.6)	14.0 (13.4 - 14.5)	76.4 (75.8 - 77.1)
Arts Officers, Producers and Directors	37,535	5.1 (4.9 - 5.4)	1.1 (1.0 - 1.2)	12.3 (11.9 - 12.6)	81.4 (81.0 - 81.8)
Photographers, Audio-visual and Broadcasting Equipment Operators	30,440	7.5 (7.2 - 7.8)	1.7 (1.6 - 1.9)	16.0 (15.6 - 16.4)	74.8 (74.3 - 75.3)
Interior Designers	16,035	7.5 (7.1 - 7.9)	1.8 (1.6 - 2.0)	16.1 (15.6 - 16.7)	74.7 (74.0 - 75.4)
Clothing, Fashion and Accessories Designers	7,265	9.4 (8.7 - 10.0)	2.0 (1.7 - 2.3)	15.8 (14.9 - 16.6)	73.0 (71.9 - 74.0)
Design Occupations n.e.c.	13,470	5.7 (5.3 - 6.1)	1.2 (1.0 - 1.4)	14.0 (13.4 - 14.6)	79.1 (78.4 - 79.8)

Sports Players	6,550	14.0 (13.1 - 14.8)	4.2 (3.7 - 4.7)	31.1 (29.9 - 32.2)	50.8 (49.6 - 52.1)
Sports Coaches, Instructors and Officials	33,575	8.3 (8.0 - 8.6)	2.2 (2.0 - 2.3)	19.9 (19.5 - 20.3)	69.7 (69.2 - 70.2)
Fitness and Wellbeing Instructors	37,715	14.3 (14.0 - 14.7)	2.4 (2.2 - 2.5)	19.7 (19.3 - 20.1)	63.6 (63.1 - 64.1)
Aircraft Pilots and Air Traffic Controllers	9,510	3.9 (3.6 - 4.3)	0.4 (0.3 - 0.6)	9.6 (9.0 - 10.2)	86.1 (85.4 - 86.8)
Ship and Hovercraft Officers	4,540	6.9 (6.2 - 7.7)	1.8 (1.4 - 2.1)	16.0 (14.9 - 17.0)	75.7 (74.4 - 76.9)
Legal Associate Professionals	26,225	6.1 (5.8 - 6.4)	1.6 (1.4 - 1.7)	15.0 (14.6 - 15.4)	77.3 (76.7 - 77.8)
Brokers	22,080	6.0 (5.7 - 6.4)	1.4 (1.2 - 1.5)	15.6 (15.1 - 16.1)	77.0 (76.5 - 77.6)
Insurance Underwriters	19,620	4.4 (4.1 - 4.7)	1.3 (1.1 - 1.5)	14.1 (13.6 - 14.6)	80.1 (79.6 - 80.7)
Financial and Accounting Technicians	8,975	4.0 (3.6 - 4.4)	1.1 (0.8 - 1.3)	11.1 (10.5 - 11.8)	83.7 (83.0 - 84.5)
Financial Accounts Managers	64,790	4.4 (4.2 - 4.5)	1.1 (1.0 - 1.1)	12.5 (12.2 - 12.7)	82.1 (81.8 - 82.4)
Estimators, Valuers and Assessors	27,545	5.4 (5.1 - 5.7)	1.3 (1.2 - 1.5)	14.1 (13.7 - 14.6)	79.1 (78.6 - 79.6)
Importers and Exporters	2,835	7.2 (6.3 - 8.2)	1.4 (1.0 - 1.8)	16.6 (15.2 - 17.9)	74.8 (73.2 - 76.4)
Project Support Officers	29,915	5.8 (5.6 - 6.1)	1.5 (1.3 - 1.6)	14.6 (14.2 - 15.0)	78.2 (77.7 - 78.7)
Data Analysts	35,925	5.2 (4.9 - 5.4)	1.2 (1.1 - 1.3)	14.3 (14.0 - 14.7)	79.3 (78.8 - 79.7)
Business Associate Professionals n.e.c.	58,935	5.1 (4.9 - 5.3)	1.2 (1.1 - 1.3)	12.0 (11.8 - 12.3)	81.6 (81.3 - 82.0)
Buyers and Procurement Officers	35,670	5.5 (5.2 - 5.7)	1.5 (1.4 - 1.7)	15.4 (15.0 - 15.8)	77.6 (77.2 - 78.0)
Business Sales Executives	67,160	6.8 (6.6 - 7.0)	1.9 (1.8 - 2.0)	17.8 (17.5 - 18.1)	73.5 (73.2 - 73.9)
Merchandisers	14,395	6.6 (6.2 - 7.0)	1.6 (1.4 - 1.8)	16.6 (16.0 - 17.2)	75.2 (74.5 - 75.9)
Marketing Associate Professionals	79,820	6.5 (6.3 - 6.6)	1.7 (1.6 - 1.8)	17.1 (16.8 - 17.3)	74.7 (74.4 - 75.1)
Estate Agents and Auctioneers	27,425	9.0 (8.6 - 9.3)	2.3 (2.2 - 2.5)	21.3 (20.8 - 21.7)	67.4 (66.8 - 68.0)
Sales Accounts and Business Development Managers	168,635	4.2 (4.1 - 4.3)	1.1 (1.1 - 1.2)	12.8 (12.6 - 12.9)	81.9 (81.7 - 82.1)
Events Managers and Organisers	26,190	6.2 (5.9 - 6.5)	1.6 (1.4 - 1.7)	15.6 (15.1 - 16.0)	76.7 (76.2 - 77.2)
Public Services Associate Professionals	27,695	4.4 (4.2 - 4.6)	1.4 (1.3 - 1.6)	10.5 (10.1 - 10.8)	83.7 (83.2 - 84.1)
Human Resources and Industrial Relations Officers	91,275	7.3 (7.1 - 7.5)	2.0 (1.9 - 2.1)	18.3 (18.0 - 18.5)	72.5 (72.2 - 72.8)
Careers Advisers and Vocational Guidance Specialists	10,825	6.1 (5.6 - 6.5)	1.2 (1.0 - 1.4)	12.1 (11.5 - 12.8)	80.6 (79.9 - 81.3)
Information Technology Trainers	4,565	5.0 (4.4 - 5.7)	1.0 (0.7 - 1.3)	10.8 (9.9 - 11.7)	83.2 (82.2 - 84.3)
Other Vocational and Industrial Trainers	67,435	5.3 (5.1 - 5.5)	1.2 (1.1 - 1.3)	12.1 (11.9 - 12.4)	81.4 (81.1 - 81.7)
Inspectors of Standards and Regulations	9,780	4.0 (3.6 - 4.4)	0.9 (0.7 - 1.1)	9.2 (8.6 - 9.7)	85.9 (85.3 - 86.6)
Health and Safety Managers and Officers	34,330	4.3 (4.1 - 4.6)	1.0 (0.9 - 1.1)	10.8 (10.4 - 11.1)	83.8 (83.4 - 84.2)

National Government Administrative Occupations	112,150	5.5 (5.4 - 5.7)	1.3 (1.2 - 1.3)	12.0 (11.8 - 12.2)	81.2 (81.0 - 81.4)
Local Government Administrative Occupations	46,765	5.2 (5.0 - 5.4)	1.1 (1.0 - 1.2)	10.7 (10.4 - 11.0)	83.0 (82.7 - 83.4)
Officers of Non-governmental Organisations	8,120	4.1 (3.6 - 4.5)	0.9 (0.7 - 1.1)	8.3 (7.7 - 8.9)	86.5 (85.8 - 87.3)
Credit Controllers	20,065	6.1 (5.7 - 6.4)	1.5 (1.4 - 1.7)	14.7 (14.2 - 15.2)	77.7 (77.1 - 78.3)
Book-keepers, Payroll Managers and Wages Clerks	164,245	6.2 (6.1 - 6.3)	1.5 (1.4 - 1.5)	15.0 (14.8 - 15.1)	77.4 (77.2 - 77.6)
Bank and Post Office Clerks	47,865	7.7 (7.5 - 7.9)	2.0 (1.9 - 2.1)	17.9 (17.6 - 18.2)	72.4 (72.0 - 72.8)
Finance Officers	16,220	5.5 (5.1 - 5.8)	1.1 (0.9 - 1.2)	11.8 (11.3 - 12.3)	81.6 (81.0 - 82.2)
Financial Administrative Occupations n.e.c.	64,365	7.0 (6.8 - 7.1)	1.7 (1.6 - 1.8)	16.1 (15.9 - 16.4)	75.2 (74.9 - 75.6)
Records Clerks and Assistants	68,530	5.5 (5.4 - 5.7)	1.7 (1.6 - 1.8)	13.9 (13.6 - 14.1)	78.9 (78.6 - 79.2)
Pensions and Insurance Clerks and Assistants	35,535	7.1 (6.9 - 7.4)	2.0 (1.8 - 2.1)	17.0 (16.6 - 17.4)	73.9 (73.4 - 74.3)
Stock Control Clerks and Assistants	38,365	7.4 (7.2 - 7.7)	1.8 (1.6 - 1.9)	16.9 (16.5 - 17.2)	73.9 (73.5 - 74.4)
Transport and Distribution Clerks and Assistants	33,865	8.4 (8.1 - 8.7)	2.0 (1.8 - 2.1)	17.6 (17.2 - 18.0)	71.9 (71.4 - 72.4)
Library Clerks and Assistants	11,695	3.9 (3.5 - 4.2)	0.8 (0.6 - 0.9)	7.4 (6.9 - 7.8)	87.9 (87.4 - 88.5)
Human Resources Administrative Occupations	15,310	6.4 (6.0 - 6.8)	1.9 (1.7 - 2.1)	15.9 (15.4 - 16.5)	75.7 (75.0 - 76.3)
Office Managers	93,970	4.8 (4.7 - 5.0)	1.2 (1.1 - 1.2)	11.8 (11.6 - 12.0)	82.2 (82.0 - 82.4)
Office Supervisors	17,800	5.2 (4.8 - 5.5)	1.3 (1.2 - 1.5)	14.3 (13.8 - 14.8)	79.2 (78.6 - 79.8)
Customer Service Managers	37,865	5.7 (5.4 - 5.9)	1.6 (1.4 - 1.7)	14.9 (14.5 - 15.2)	77.9 (77.5 - 78.3)
Sales Administrators	31,450	6.8 (6.5 - 7.0)	1.8 (1.7 - 2.0)	16.7 (16.2 - 17.1)	74.7 (74.2 - 75.2)
Data Entry Administrators	15,465	6.8 (6.4 - 7.2)	2.1 (1.8 - 2.3)	15.7 (15.2 - 16.3)	75.4 (74.7 - 76.1)
Other Administrative Occupations n.e.c.	364,860	7.1 (7.0 - 7.2)	1.8 (1.8 - 1.9)	15.4 (15.3 - 15.6)	75.6 (75.5 - 75.8)
Medical Secretaries	36,900	3.5 (3.3 - 3.7)	1.5 (1.3 - 1.6)	9.3 (9.0 - 9.6)	85.7 (85.3 - 86.0)
Legal Secretaries	23,480	5.6 (5.3 - 5.9)	1.4 (1.2 - 1.5)	13.9 (13.5 - 14.4)	79.1 (78.6 - 79.7)
School Secretaries	26,555	4.0 (3.7 - 4.2)	0.9 (0.8 - 1.0)	10.2 (9.8 - 10.5)	85.0 (84.6 - 85.4)
Company Secretaries and Administrators	2,140	6.1 (5.1 - 7.1)	0.9 (0.5 - 1.3)	8.6 (7.5 - 9.8)	84.6 (83.0 - 86.1)
Personal Assistants and Other Secretaries	143,100	6.0 (5.9 - 6.1)	1.2 (1.2 - 1.3)	11.6 (11.4 - 11.8)	81.2 (81.0 - 81.4)
Receptionists	118,170	6.9 (6.7 - 7.0)	2.2 (2.1 - 2.3)	15.7 (15.5 - 15.9)	75.3 (75.0 - 75.5)
Typists and Related Keyboard Occupations	3,085	5.0 (4.3 - 5.8)	1.3 (0.9 - 1.7)	8.6 (7.6 - 9.6)	84.9 (83.7 - 86.2)
Farmers	34,060	4.9 (4.7 - 5.2)	1.5 (1.4 - 1.6)	11.8 (11.5 - 12.2)	81.8 (81.3 - 82.2)
Horticultural Trades	6,270	8.3 (7.6 - 9.0)	2.4 (2.0 - 2.8)	16.3 (15.4 - 17.3)	73.1 (72.0 - 74.2)

Gardeners and Landscape Gardeners	76,155	10.1 (9.9 - 10.3)	2.4 (2.2 - 2.5)	14.7 (14.4 - 14.9)	72.9 (72.6 - 73.2)
Groundsmen and Greenkeepers	16,950	9.0 (8.6 - 9.4)	2.4 (2.2 - 2.7)	18.2 (17.6 - 18.8)	70.4 (69.7 - 71.1)
Agricultural and Fishing Trades n.e.c.	14,255	12.7 (12.1 - 13.2)	3.6 (3.3 - 3.9)	21.5 (20.8 - 22.1)	62.2 (61.4 - 63.0)
Sheet Metal Workers	6,285	8.5 (7.8 - 9.2)	2.2 (1.9 - 2.6)	16.9 (15.9 - 17.8)	72.2 (71.0 - 73.3)
Metal Plate Workers, Smiths, Moulders and Related Occupations	5,415	9.6 (8.8 - 10.4)	2.1 (1.7 - 2.5)	18.5 (17.4 - 19.5)	69.9 (68.7 - 71.1)
Welding Trades	29,220	12.6 (12.2 - 13.0)	3.1 (2.9 - 3.3)	22.5 (22.0 - 22.9)	61.8 (61.2 - 62.3)
Pipe Fitters	5,010	12.9 (11.9 - 13.8)	3.0 (2.5 - 3.5)	25.0 (23.9 - 26.2)	59.2 (57.8 - 60.5)
Metal Machining Setters and Setter-operators	22,495	8.7 (8.3 - 9.1)	1.9 (1.8 - 2.1)	19.1 (18.6 - 19.7)	70.2 (69.6 - 70.8)
Tool Makers, Tool Fitters and Markers-out	5,435	6.8 (6.1 - 7.5)	1.7 (1.4 - 2.1)	16.7 (15.7 - 17.6)	74.7 (73.5 - 75.9)
Metal Working Production and Maintenance Fitters	103,380	9.1 (9.0 - 9.3)	2.4 (2.3 - 2.5)	20.3 (20.1 - 20.6)	68.1 (67.9 - 68.4)
Precision Instrument Makers and Repairers	6,475	6.8 (6.2 - 7.4)	1.8 (1.5 - 2.1)	17.2 (16.3 - 18.1)	74.1 (73.1 - 75.2)
Air-conditioning and Refrigeration Installers and Repairers	7,570	12.7 (11.9 - 13.4)	3.5 (3.1 - 3.9)	27.5 (26.5 - 28.5)	56.3 (55.2 - 57.4)
Vehicle Technicians, Mechanics and Electricians	85,780	12.3 (12.1 - 12.5)	3.2 (3.1 - 3.4)	23.6 (23.3 - 23.9)	60.8 (60.5 - 61.2)
Vehicle Body Builders and Repairers	12,250	11.6 (11.1 - 12.2)	2.3 (2.1 - 2.6)	21.4 (20.7 - 22.2)	64.7 (63.8 - 65.5)
Vehicle Paint Technicians	6,285	12.5 (11.7 - 13.3)	3.0 (2.6 - 3.4)	24.0 (23.0 - 25.1)	60.7 (59.5 - 61.9)
Aircraft Maintenance and Related Trades	7,470	5.9 (5.4 - 6.4)	1.1 (0.8 - 1.3)	15.8 (15.0 - 16.6)	77.2 (76.3 - 78.2)
Boat and Ship Builders and Repairers	5,185	8.4 (7.6 - 9.1)	2.3 (1.9 - 2.7)	20.4 (19.3 - 21.5)	69.0 (67.8 - 70.3)
Rail and Rolling Stock Builders and Repairers	4,410	11.9 (10.9 - 12.9)	2.0 (1.6 - 2.5)	22.3 (21.1 - 23.6)	63.5 (62.1 - 64.9)
Electricians and Electrical Fitters	108,865	12.2 (12.0 - 12.4)	3.2 (3.1 - 3.3)	25.9 (25.7 - 26.2)	58.7 (58.4 - 59.0)
Telecoms and Related Network Installers and Repairers	30,685	10.2 (9.8 - 10.5)	2.4 (2.2 - 2.6)	20.6 (20.2 - 21.1)	66.8 (66.3 - 67.4)
TV, Video and Audio Servicers and Repairers	3,150	8.1 (7.1 - 9.0)	2.1 (1.6 - 2.6)	19.0 (17.7 - 20.4)	70.6 (69.0 - 72.2)
Computer System and Equipment Installers and Servicers	13,430	8.5 (8.1 - 9.0)	1.9 (1.7 - 2.1)	17.2 (16.6 - 17.9)	72.3 (71.5 - 73.0)
Security System Installers and Repairers	9,100	10.9 (10.2 - 11.5)	2.7 (2.4 - 3.1)	25.4 (24.5 - 26.3)	60.9 (59.9 - 61.9)
Electrical Service and Maintenance Mechanics and Repairers	20,585	6.5 (6.2 - 6.8)	1.7 (1.5 - 1.9)	15.9 (15.4 - 16.4)	76.0 (75.4 - 76.5)
Electrical and Electronic Trades n.e.c.	15,685	7.4 (7.0 - 7.8)	1.7 (1.5 - 1.9)	17.9 (17.3 - 18.5)	73.1 (72.4 - 73.8)

Skilled Metal, Electrical and Electronic Trades Supervisors	24,125	5.6 (5.3 - 5.9)	1.3 (1.2 - 1.5)	16.4 (15.9 - 16.8)	76.7 (76.1 - 77.2)
Steel Erectors	3,310	14.0 (12.9 - 15.2)	3.6 (3.0 - 4.3)	23.9 (22.4 - 25.3)	58.6 (56.9 - 60.3)
Stonemasons and Related Trades	5,275	12.9 (12.0 - 13.8)	3.1 (2.7 - 3.6)	21.3 (20.2 - 22.4)	62.2 (60.9 - 63.5)
Bricklayers	32,555	14.5 (14.1 - 14.8)	4.1 (3.9 - 4.4)	24.0 (23.5 - 24.4)	57.4 (56.9 - 57.9)
Roofers, Roof Tilers and Slaters	23,405	18.8 (18.3 - 19.3)	5.1 (4.9 - 5.4)	26.3 (25.7 - 26.8)	49.8 (49.1 - 50.4)
Plumbers & Heating and Ventilating Installers and Repairers	90,840	12.3 (12.1 - 12.6)	3.3 (3.2 - 3.4)	25.1 (24.8 - 25.4)	59.3 (59.0 - 59.6)
Carpenters and Joiners	111,000	12.0 (11.8 - 12.2)	3.1 (3.0 - 3.2)	22.8 (22.6 - 23.1)	62.0 (61.8 - 62.3)
Glaziers, Window Fabricators and Fitters	17,825	13.0 (12.5 - 13.5)	3.6 (3.3 - 3.9)	23.8 (23.1 - 24.4)	59.6 (58.9 - 60.4)
Construction and Building Trades n.e.c.	112,265	12.0 (11.8 - 12.2)	2.8 (2.7 - 2.9)	20.5 (20.3 - 20.7)	64.7 (64.4 - 65.0)
Plasterers	30,685	17.2 (16.8 - 17.7)	4.4 (4.2 - 4.7)	25.9 (25.4 - 26.4)	52.4 (51.8 - 52.9)
Floorers and Wall Tilers	23,570	14.1 (13.7 - 14.6)	3.8 (3.5 - 4.0)	24.7 (24.2 - 25.3)	57.4 (56.7 - 58.0)
Painters and Decorators	57,975	11.3 (11.1 - 11.6)	2.4 (2.3 - 2.5)	17.9 (17.6 - 18.2)	68.4 (68.0 - 68.8)
Construction and Building Trades Supervisors	29,975	7.8 (7.5 - 8.1)	1.8 (1.6 - 1.9)	17.4 (17.0 - 17.9)	73.0 (72.5 - 73.5)
Upholsterers	7,410	8.1 (7.5 - 8.7)	2.0 (1.6 - 2.3)	16.5 (15.6 - 17.3)	73.5 (72.5 - 74.5)
Footwear and Leather Working Trades	3,515	9.5 (8.6 - 10.5)	2.0 (1.5 - 2.5)	16.6 (15.4 - 17.9)	71.7 (70.2 - 73.2)
Tailors and Dressmakers	5,275	10.4 (9.6 - 11.3)	2.3 (1.9 - 2.7)	20.5 (19.4 - 21.6)	66.6 (65.4 - 67.9)
Textiles, Garments and Related Trades n.e.c.	3,305	9.5 (8.5 - 10.5)	1.5 (1.1 - 1.9)	17.1 (15.8 - 18.4)	71.7 (70.2 - 73.2)
Pre-press Technicians	1,795	7.5 (6.3 - 8.7)	1.7 (1.1 - 2.3)	14.5 (12.9 - 16.1)	76.0 (74.1 - 78.0)
Printers	10,605	6.6 (6.1 - 7.0)	1.4 (1.2 - 1.6)	15.4 (14.7 - 16.1)	76.7 (75.9 - 77.5)
Print Finishing and Binding Workers	5,570	6.0 (5.4 - 6.6)	1.3 (1.0 - 1.5)	14.7 (13.8 - 15.7)	77.8 (76.7 - 78.9)
Butchers	12,750	8.7 (8.2 - 9.2)	2.9 (2.6 - 3.2)	24.3 (23.5 - 25.0)	64.1 (63.3 - 65.0)
Bakers and Flour Confectioners	15,120	9.5 (9.0 - 10.0)	2.3 (2.1 - 2.6)	19.1 (18.5 - 19.7)	69.1 (68.4 - 69.9)
Fishmongers and Poultry Dressers	1,900	7.6 (6.4 - 8.8)	2.1 (1.5 - 2.8)	20.0 (18.2 - 21.8)	70.0 (67.9 - 72.1)
Chefs	87,280	9.1 (8.9 - 9.3)	3.2 (3.0 - 3.3)	24.1 (23.8 - 24.4)	63.7 (63.3 - 64.0)
Cooks	30,735	6.9 (6.6 - 7.2)	2.2 (2.0 - 2.3)	18.6 (18.1 - 19.0)	72.3 (71.8 - 72.8)
Catering and Bar Managers	36,000	7.5 (7.2 - 7.8)	2.6 (2.5 - 2.8)	21.3 (20.9 - 21.7)	68.5 (68.0 - 69.0)
Glass and Ceramics Makers, Decorators and Finishers	4,885	7.9 (7.1 - 8.6)	2.1 (1.7 - 2.6)	14.1 (13.1 - 15.1)	75.7 (74.5 - 76.9)
Furniture Makers and Other Craft Woodworkers	9,715	9.5 (8.9 - 10.1)	2.4 (2.1 - 2.7)	18.5 (17.8 - 19.3)	69.8 (68.9 - 70.8)

Florists	7,235	7.7 (7.1 - 8.3)	2.0 (1.7 - 2.3)	17.1 (16.2 - 17.9)	73.5 (72.4 - 74.5)
Other Skilled Trades n.e.c.	17,460	9.8 (9.3 - 10.2)	2.2 (2.0 - 2.4)	17.2 (16.7 - 17.8)	70.7 (70.0 - 71.4)
Early Education and Childcare Assistants	79,220	9.6 (9.4 - 9.8)	2.8 (2.7 - 2.9)	24.2 (23.9 - 24.5)	63.3 (63.0 - 63.7)
Teaching Assistants	156,340	6.2 (6.1 - 6.4)	1.5 (1.5 - 1.6)	16.5 (16.3 - 16.6)	75.8 (75.6 - 76.0)
Educational Support Assistants	75,130	6.4 (6.2 - 6.6)	1.4 (1.3 - 1.5)	15.7 (15.4 - 16.0)	76.5 (76.2 - 76.8)
Childminders	30,205	7.7 (7.4 - 8.0)	1.6 (1.5 - 1.8)	16.5 (16.1 - 16.9)	74.2 (73.7 - 74.7)
Nannies and Au Pairs	13,310	10.7 (10.1 - 11.2)	2.1 (1.9 - 2.3)	19.0 (18.3 - 19.6)	68.4 (67.6 - 69.2)
Playworkers	11,440	8.9 (8.4 - 9.4)	2.3 (2.0 - 2.5)	18.9 (18.2 - 19.6)	69.8 (69.0 - 70.7)
Pest Control Officers	3,245	8.8 (7.8 - 9.8)	1.8 (1.4 - 2.3)	18.3 (17.0 - 19.7)	71.0 (69.5 - 72.6)
Animal Care Services Occupations n.e.c.	45,475	9.6 (9.3 - 9.9)	2.6 (2.5 - 2.8)	20.0 (19.6 - 20.4)	67.8 (67.4 - 68.3)
Nursing Auxiliaries and Assistants	169,335	5.0 (4.9 - 5.1)	2.9 (2.8 - 2.9)	17.9 (17.7 - 18.1)	74.2 (74.0 - 74.4)
Ambulance Staff (Excluding Paramedics)	17,470	3.4 (3.2 - 3.7)	2.1 (1.9 - 2.3)	15.3 (14.8 - 15.9)	79.2 (78.6 - 79.8)
Dental Nurses	30,305	6.1 (5.8 - 6.4)	3.7 (3.5 - 3.9)	21.8 (21.3 - 22.2)	68.5 (68.0 - 69.0)
Houseparents and Residential Wardens	21,055	5.2 (4.9 - 5.5)	1.0 (0.9 - 1.2)	11.1 (10.7 - 11.5)	82.6 (82.1 - 83.1)
Care Workers and Home Carers	465,050	6.8 (6.7 - 6.8)	2.6 (2.5 - 2.6)	22.5 (22.4 - 22.6)	68.2 (68.0 - 68.3)
Senior Care Workers	53,390	3.9 (3.8 - 4.1)	1.6 (1.5 - 1.7)	19.4 (19.1 - 19.7)	75.0 (74.6 - 75.4)
Care Escorts	10,095	6.9 (6.4 - 7.4)	1.4 (1.2 - 1.7)	15.1 (14.4 - 15.8)	76.6 (75.7 - 77.4)
Undertakers, Mortuary and Crematorium Assistants	12,230	4.0 (3.7 - 4.4)	1.0 (0.8 - 1.2)	11.4 (10.9 - 12.0)	83.5 (82.9 - 84.2)
Sports and Leisure Assistants	20,065	9.0 (8.6 - 9.4)	2.9 (2.7 - 3.1)	23.9 (23.3 - 24.5)	64.1 (63.5 - 64.8)
Travel Agents	15,060	5.5 (5.1 - 5.8)	1.4 (1.2 - 1.5)	15.6 (15.0 - 16.2)	77.6 (76.9 - 78.2)
Air Travel Assistants	13,065	7.2 (6.8 - 7.7)	1.3 (1.1 - 1.5)	19.9 (19.2 - 20.6)	71.5 (70.7 - 72.3)
Rail Travel Assistants	10,465	7.8 (7.3 - 8.3)	2.2 (1.9 - 2.4)	19.3 (18.5 - 20.1)	70.8 (69.9 - 71.7)
Leisure and Travel Service Occupations n.e.c.	5,060	7.7 (7.0 - 8.4)	1.8 (1.4 - 2.1)	14.2 (13.3 - 15.2)	76.7 (75.5 - 77.8)
Hairdressers and Barbers	91,740	12.1 (11.9 - 12.3)	3.3 (3.1 - 3.4)	25.4 (25.1 - 25.7)	59.3 (58.9 - 59.6)
Beauticians and Related Occupations	52,240	16.7 (16.3 - 17.0)	3.8 (3.7 - 4.0)	27.9 (27.6 - 28.3)	51.6 (51.1 - 52.0)
Housekeepers and Related Occupations	40,450	7.3 (7.1 - 7.6)	2.2 (2.0 - 2.3)	16.6 (16.2 - 17.0)	73.9 (73.5 - 74.4)
Caretakers	32,695	7.4 (7.1 - 7.6)	1.5 (1.4 - 1.6)	13.0 (12.7 - 13.4)	78.1 (77.7 - 78.6)
Cleaning and Housekeeping Managers and Supervisors	28,790	9.0 (8.7 - 9.3)	2.4 (2.2 - 2.6)	18.9 (18.5 - 19.4)	69.7 (69.1 - 70.2)
Bed and Breakfast and Guest House Owners and Proprietors	2,895	4.3 (3.6 - 5.1)	0.5 (0.3 - 0.8)	7.3 (6.3 - 8.2)	87.2 (86.0 - 88.4)

Police Community Support Officers	6,990	4.1 (3.6 - 4.5)	1.4 (1.2 - 1.7)	15.2 (14.3 - 16.0)	79.5 (78.5 - 80.4)
Parking and Civil Enforcement Occupations	6,020	8.1 (7.4 - 8.8)	1.9 (1.6 - 2.3)	15.9 (14.9 - 16.8)	74.4 (73.3 - 75.5)
Sales and Retail Assistants	639,950	10.2 (10.1 - 10.3)	3.3 (3.3 - 3.4)	23.7 (23.6 - 23.8)	62.7 (62.6 - 62.9)
Retail Cashiers and Check-out Operators	45,405	8.6 (8.3 - 8.9)	2.7 (2.5 - 2.8)	20.6 (20.3 - 21.0)	68.1 (67.6 - 68.5)
Telephone Salespersons	8,095	12.7 (11.9 - 13.4)	4.3 (3.8 - 4.7)	23.5 (22.5 - 24.4)	59.5 (58.5 - 60.6)
Pharmacy and Optical Dispensing Assistants	48,410	6.3 (6.1 - 6.5)	2.2 (2.0 - 2.3)	18.5 (18.2 - 18.9)	73.0 (72.6 - 73.4)
Vehicle and Parts Salespersons and Advisers	17,670	9.5 (9.1 - 10.0)	2.7 (2.4 - 2.9)	22.6 (22.0 - 23.2)	65.2 (64.5 - 65.9)
Collector Salespersons and Credit Agents	3,040	10.5 (9.4 - 11.6)	2.6 (2.1 - 3.2)	19.4 (18.0 - 20.8)	67.9 (66.3 - 69.6)
Debt, Rent and Other Cash Collectors	10,110	9.3 (8.7 - 9.9)	2.5 (2.2 - 2.8)	18.2 (17.4 - 19.0)	70.0 (69.1 - 70.9)
Roundspersons and Van Salespersons	3,345	10.0 (9.0 - 11.0)	3.1 (2.5 - 3.7)	18.5 (17.2 - 19.9)	68.5 (66.9 - 70.0)
Market and Street Traders and Assistants	4,030	10.8 (9.8 - 11.8)	2.4 (1.9 - 2.8)	20.0 (18.7 - 21.2)	66.9 (65.4 - 68.3)
Visual Merchandisers and Related Occupations	2,130	9.2 (7.9 - 10.4)	2.3 (1.7 - 3.0)	19.5 (17.8 - 21.2)	69.0 (67.1 - 71.0)
Sales Related Occupations n.e.c.	13,120	9.8 (9.2 - 10.3)	2.9 (2.6 - 3.1)	20.8 (20.1 - 21.5)	66.7 (65.8 - 67.5)
Shopkeepers and Owners - Retail and Wholesale	66,090	9.0 (8.8 - 9.3)	1.9 (1.8 - 2.0)	16.3 (16.0 - 16.5)	72.8 (72.5 - 73.2)
Sales Supervisors - Retail and Wholesale	82,570	8.8 (8.6 - 9.0)	2.8 (2.7 - 2.9)	23.3 (23.0 - 23.6)	65.1 (64.8 - 65.4)
Call and Contact Centre Occupations	27,970	11.8 (11.5 - 12.2)	3.8 (3.6 - 4.0)	24.2 (23.6 - 24.7)	60.2 (59.7 - 60.8)
Telephonists	5,290	11.2 (10.4 - 12.1)	3.7 (3.2 - 4.2)	21.3 (20.2 - 22.4)	63.7 (62.4 - 65.0)
Communication Operators	25,535	6.7 (6.4 - 7.0)	2.1 (1.9 - 2.3)	17.2 (16.7 - 17.7)	74.1 (73.5 - 74.6)
Market Research Interviewers	3,380	8.9 (7.9 - 9.8)	1.8 (1.3 - 2.2)	14.5 (13.3 - 15.7)	75.1 (73.7 - 76.6)
Customer Service Occupations n.e.c.	172,570	10.7 (10.6 - 10.9)	3.1 (3.0 - 3.2)	22.1 (21.9 - 22.3)	64.0 (63.8 - 64.3)
Customer Service Supervisors	11,065	6.6 (6.2 - 7.1)	2.1 (1.9 - 2.4)	18.8 (18.1 - 19.5)	72.6 (71.7 - 73.4)
Food, Drink and Tobacco Process Operatives	56,360	12.3 (12.0 - 12.6)	2.5 (2.3 - 2.6)	21.8 (21.4 - 22.1)	63.5 (63.1 - 63.9)
Textile Process Operatives	6,180	10.4 (9.7 - 11.2)	2.3 (2.0 - 2.7)	20.4 (19.4 - 21.4)	66.8 (65.7 - 68.0)
Chemical and Related Process Operatives	14,945	8.3 (7.9 - 8.7)	1.9 (1.7 - 2.1)	19.8 (19.2 - 20.5)	69.9 (69.2 - 70.7)
Plastics Process Operatives	14,565	11.0 (10.5 - 11.5)	2.5 (2.2 - 2.7)	20.3 (19.6 - 20.9)	66.2 (65.4 - 67.0)
Metal Making and Treating Process Operatives	7,730	10.0 (9.3 - 10.6)	2.5 (2.1 - 2.8)	20.1 (19.2 - 21.0)	67.3 (66.2 - 68.3)
Process Operatives n.e.c.	9,060	10.3 (9.7 - 10.9)	2.7 (2.4 - 3.0)	19.4 (18.6 - 20.2)	67.5 (66.5 - 68.5)
Metal Working Machine Operatives	25,185	10.8 (10.4 - 11.1)	2.4 (2.2 - 2.6)	20.4 (19.9 - 20.9)	66.4 (65.8 - 67.0)
Paper and Wood Machine Operatives	12,880	9.5 (9.0 - 10.1)	2.2 (2.0 - 2.5)	18.6 (18.0 - 19.3)	69.6 (68.8 - 70.4)

Mining and Quarry Workers and Related Operatives	3,780	7.9 (7.1 - 8.8)	2.0 (1.5 - 2.4)	19.6 (18.3 - 20.8)	70.6 (69.2 - 72.1)
Energy Plant Operatives	4,625	7.1 (6.4 - 7.9)	1.7 (1.4 - 2.1)	18.9 (17.8 - 20.0)	72.0 (70.7 - 73.3)
Water and Sewerage Plant Operatives	9,970	9.4 (8.8 - 10.0)	2.4 (2.1 - 2.7)	21.0 (20.2 - 21.8)	67.3 (66.4 - 68.2)
Printing Machine Assistants	8,375	9.2 (8.6 - 9.8)	1.9 (1.6 - 2.2)	18.0 (17.2 - 18.9)	70.9 (70.0 - 71.9)
Plant and Machine Operatives n.e.c.	8,780	11.5 (10.8 - 12.2)	2.7 (2.4 - 3.1)	19.6 (18.8 - 20.5)	66.1 (65.1 - 67.1)
Assemblers (Electrical and Electronic Products)	11,075	8.9 (8.4 - 9.4)	1.9 (1.7 - 2.2)	16.8 (16.1 - 17.5)	72.3 (71.4 - 73.1)
Assemblers (Vehicles and Metal Goods)	17,065	11.3 (10.9 - 11.8)	2.6 (2.4 - 2.9)	21.2 (20.6 - 21.8)	64.7 (64.0 - 65.4)
Routine Inspectors and Testers	28,505	8.6 (8.3 - 9.0)	1.7 (1.6 - 1.9)	17.2 (16.8 - 17.6)	72.4 (71.9 - 72.9)
Weighers, Graders and Sorters	3,060	12.4 (11.2 - 13.6)	2.8 (2.2 - 3.4)	18.6 (17.2 - 20.0)	66.3 (64.7 - 68.0)
Tyre, Exhaust and Windscreen Fitters	7,125	15.4 (14.6 - 16.3)	4.8 (4.3 - 5.3)	28.1 (27.0 - 29.1)	52.0 (50.8 - 53.2)
Sewing Machinists	12,800	8.0 (7.6 - 8.5)	1.7 (1.5 - 1.9)	17.0 (16.4 - 17.7)	73.2 (72.5 - 74.0)
Assemblers and Routine Operatives n.e.c.	17,015	10.6 (10.1 - 11.1)	2.1 (1.9 - 2.3)	18.2 (17.7 - 18.8)	69.1 (68.4 - 69.8)
Scaffolders, Stagers and Riggers	16,205	20.3 (19.7 - 20.9)	5.6 (5.2 - 5.9)	27.9 (27.2 - 28.6)	46.3 (45.5 - 47.0)
Road Construction Operatives	11,280	14.8 (14.1 - 15.4)	3.9 (3.5 - 4.3)	23.7 (22.9 - 24.5)	57.8 (56.9 - 58.7)
Rail Construction and Maintenance Operatives	5,265	14.5 (13.6 - 15.5)	3.0 (2.6 - 3.5)	22.7 (21.6 - 23.8)	59.5 (58.2 - 60.9)
Construction Operatives n.e.c.	53,075	11.2 (11.0 - 11.5)	2.6 (2.5 - 2.7)	18.7 (18.4 - 19.0)	67.5 (67.1 - 67.9)
Production, Factory and Assembly Supervisors	30,725	7.7 (7.4 - 8.0)	1.8 (1.7 - 2.0)	18.1 (17.6 - 18.5)	72.5 (72.0 - 73.0)
Large Goods Vehicle Drivers	132,840	8.1 (8.0 - 8.3)	1.5 (1.5 - 1.6)	15.0 (14.8 - 15.2)	75.3 (75.1 - 75.6)
Bus and Coach Drivers	60,220	9.9 (9.6 - 10.1)	1.8 (1.7 - 1.9)	17.4 (17.1 - 17.7)	70.9 (70.6 - 71.3)
Taxi and Cab Drivers and Chauffeurs	81,755	7.9 (7.8 - 8.1)	2.2 (2.1 - 2.3)	26.5 (26.1 - 26.8)	63.4 (63.1 - 63.8)
Delivery Drivers and Couriers	118,680	11.3 (11.1 - 11.4)	2.7 (2.6 - 2.8)	19.7 (19.5 - 19.9)	66.4 (66.1 - 66.6)
Driving Instructors	17,525	4.9 (4.6 - 5.2)	1.1 (0.9 - 1.2)	12.6 (12.1 - 13.1)	81.5 (80.9 - 82.0)
Road Transport Drivers n.e.c.	57,235	10.8 (10.5 - 11.0)	2.2 (2.1 - 2.3)	17.6 (17.3 - 17.9)	69.4 (69.0 - 69.8)
Crane Drivers	5,365	11.4 (10.5 - 12.2)	1.9 (1.5 - 2.2)	20.4 (19.3 - 21.5)	66.4 (65.2 - 67.7)
Fork-lift Truck Drivers	28,010	12.9 (12.5 - 13.3)	2.5 (2.3 - 2.7)	19.7 (19.2 - 20.1)	64.9 (64.3 - 65.5)
Mobile Machine Drivers and Operatives n.e.c.	26,795	11.0 (10.6 - 11.4)	2.4 (2.3 - 2.6)	18.3 (17.9 - 18.8)	68.2 (67.7 - 68.8)
Train and Tram Drivers	15,305	7.2 (6.8 - 7.6)	1.2 (1.0 - 1.4)	14.9 (14.3 - 15.5)	76.7 (76.0 - 77.4)
Marine and Waterways Transport Operatives	2,775	10.1 (9.0 - 11.2)	2.2 (1.6 - 2.7)	17.5 (16.1 - 18.9)	69.9 (68.2 - 71.6)
Air Transport Operatives	5,900	8.1 (7.4 - 8.8)	1.7 (1.4 - 2.0)	19.0 (18.0 - 20.0)	71.4 (70.2 - 72.5)
Rail Transport Operatives	10,500	8.2 (7.7 - 8.8)	1.9 (1.6 - 2.1)	17.5 (16.8 - 18.3)	72.3 (71.4 - 73.1)

Other Drivers and Transport Operatives n.e.c.	8,975	7.4 (6.8 - 7.9)	1.6 (1.4 - 1.9)	15.8 (15.1 - 16.6)	75.2 (74.3 - 76.1)
Farm Workers	16,840	7.5 (7.1 - 7.9)	2.5 (2.2 - 2.7)	17.8 (17.2 - 18.4)	72.2 (71.6 - 72.9)
Forestry and Related Workers	2,825	11.7 (10.5 - 12.9)	3.0 (2.4 - 3.6)	16.8 (15.4 - 18.2)	68.7 (67.0 - 70.4)
Fishing and Other Elementary Agriculture Occupations n.e.c.	8,335	12.7 (12.0 - 13.4)	3.1 (2.7 - 3.4)	19.8 (18.9 - 20.7)	64.5 (63.5 - 65.5)
Groundworkers	20,440	17.1 (16.6 - 17.7)	4.5 (4.2 - 4.8)	25.5 (24.9 - 26.1)	52.8 (52.1 - 53.5)
Elementary Construction Occupations n.e.c.	57,595	19.7 (19.4 - 20.0)	5.5 (5.3 - 5.7)	26.6 (26.2 - 26.9)	48.2 (47.8 - 48.6)
Industrial Cleaning Process Occupations	8,850	12.3 (11.6 - 12.9)	3.0 (2.6 - 3.3)	21.7 (20.8 - 22.6)	63.0 (62.0 - 64.0)
Packers, Bottlers, Canners and Fillers	39,610	15.1 (14.8 - 15.5)	3.3 (3.1 - 3.4)	23.8 (23.4 - 24.2)	57.9 (57.4 - 58.3)
Elementary Process Plant Occupations n.e.c.	40,300	11.9 (11.6 - 12.2)	3.0 (2.8 - 3.2)	21.3 (20.9 - 21.7)	63.8 (63.4 - 64.3)
Postal Workers, Mail Sorters and Messengers	80,945	8.6 (8.4 - 8.8)	1.9 (1.8 - 2.0)	16.3 (16.1 - 16.6)	73.1 (72.8 - 73.5)
Elementary Administration Occupations n.e.c.	15,415	10.3 (9.8 - 10.8)	2.5 (2.3 - 2.7)	20.8 (20.1 - 21.4)	66.5 (65.7 - 67.2)
Window Cleaners	16,465	12.1 (11.6 - 12.6)	2.6 (2.4 - 2.9)	18.1 (17.5 - 18.7)	67.1 (66.3 - 67.8)
Street Cleaners	4,415	8.5 (7.7 - 9.3)	1.5 (1.1 - 1.8)	15.1 (14.0 - 16.1)	74.6 (73.3 - 75.9)
Cleaners and Domestic	282,570	10.3 (10.2 - 10.4)	2.5 (2.5 - 2.6)	18.7 (18.5 - 18.8)	68.5 (68.4 - 68.7)
Launderers, Dry Cleaners and Pressers	11,700	7.6 (7.1 - 8.0)	1.7 (1.5 - 1.9)	17.3 (16.6 - 17.9)	73.5 (72.7 - 74.3)
Refuse and Salvage Occupations	19,405	13.1 (12.7 - 13.6)	3.3 (3.0 - 3.5)	20.7 (20.1 - 21.3)	62.9 (62.2 - 63.6)
Vehicle Valeters and Cleaners	8,985	15.1 (14.3 - 15.8)	3.6 (3.2 - 4.0)	23.5 (22.7 - 24.4)	57.7 (56.7 - 58.7)
Elementary Cleaning Occupations n.e.c.	1,490	9.4 (7.9 - 10.9)	2.7 (1.9 - 3.5)	15.8 (13.9 - 17.6)	72.8 (70.6 - 75.1)
Security Guards and Related Occupations	80,110	12.3 (12.1 - 12.5)	2.9 (2.7 - 3.0)	20.5 (20.2 - 20.8)	64.4 (64.0 - 64.7)
School Midday and Crossing Patrol Occupations	51,740	7.4 (7.2 - 7.6)	2.0 (1.9 - 2.2)	18.3 (18.0 - 18.6)	72.3 (71.9 - 72.7)
Exam Invigilators	4,030	3.6 (3.0 - 4.2)	0.5 (0.3 - 0.7)	6.0 (5.2 - 6.7)	89.8 (88.9 - 90.8)
Shelf Fillers	30,015	9.5 (9.2 - 9.8)	3.0 (2.8 - 3.2)	21.8 (21.3 - 22.2)	65.7 (65.2 - 66.3)
Elementary Sales Occupations n.e.c.	15,935	11.0 (10.5 - 11.4)	3.3 (3.0 - 3.6)	23.9 (23.2 - 24.5)	61.8 (61.1 - 62.6)
Elementary Storage Supervisors	16,145	8.1 (7.7 - 8.6)	2.2 (2.0 - 2.5)	19.9 (19.3 - 20.5)	69.8 (69.1 - 70.5)
Warehouse Operatives	206,975	13.9 (13.8 - 14.1)	3.4 (3.3 - 3.5)	22.8 (22.6 - 23.0)	59.9 (59.7 - 60.1)
Delivery Operatives	13,145	15.6 (15.0 - 16.2)	4.5 (4.1 - 4.8)	22.1 (21.4 - 22.8)	57.9 (57.0 - 58.7)
Elementary Storage Occupations n.e.c.	6,940	11.5 (10.7 - 12.2)	3.2 (2.8 - 3.6)	22.4 (21.4 - 23.4)	63.3 (62.1 - 64.4)
Bar and Catering Supervisors	20,230	9.1 (8.7 - 9.5)	3.8 (3.5 - 4.0)	26.7 (26.1 - 27.3)	60.4 (59.7 - 61.0)
Hospital Porters	7,960	4.1 (3.7 - 4.6)	2.9 (2.5 - 3.3)	13.6 (12.9 - 14.4)	79.3 (78.4 - 80.2)
Kitchen and Catering Assistants	160,745	9.7 (9.6 - 9.9)	3.8 (3.7 - 3.9)	25.3 (25.1 - 25.5)	61.2 (60.9 - 61.4)

Waiters and Waitresses	68,340	11.0 (10.8 - 11.3)	4.6 (4.5 - 4.8)	30.9 (30.6 - 31.3)	53.4 (53.0 - 53.8)
Bar Staff	47,345	12.5 (12.2 - 12.8)	5.5 (5.3 - 5.7)	31.9 (31.5 - 32.3)	50.1 (49.6 - 50.5)
Coffee Shop Workers	18,065	11.0 (10.6 - 11.5)	4.4 (4.1 - 4.7)	29.6 (28.9 - 30.3)	54.9 (54.2 - 55.7)
Leisure and Theme Park Attendants	9,135	9.1 (8.5 - 9.7)	3.0 (2.7 - 3.4)	23.9 (23.0 - 24.8)	64.0 (63.1 - 65.0)
Other Elementary Services Occupations n.e.c.	7,100	11.6 (10.9 - 12.4)	3.2 (2.8 - 3.6)	20.6 (19.6 - 21.5)	64.6 (63.5 - 65.8)

Note: ONS Public Health Data Asset and NHS England National Immunisation Management System

**Table S7 Vaccination coverage for SOC sub-major groups and broad age band**

Occupation	Age band	Population	Proportion of people who had not received a vaccination (%)	Proportion of people who had received one vaccination only (%)	Proportion of people who had received two vaccinations only (%)	Proportion of people who had received three vaccinations (%)
Corporate Managers and Directors	18-39	339,995	8.8 (8.7 - 8.9)	2.5 (2.4 - 2.5)	22.8 (22.6 - 22.9)	65.9 (65.8 - 66.1)
Corporate Managers and Directors	40-64	1,047,820	3.1 (3.1 - 3.2)	0.6 (0.6 - 0.6)	7.9 (7.8 - 7.9)	88.4 (88.3 - 88.5)
Other Managers and Proprietors	18-39	173,670	11.1 (11.0 - 11.3)	3.2 (3.1 - 3.3)	26.8 (26.6 - 27.0)	58.9 (58.7 - 59.1)
Other Managers and Proprietors	40-64	471,620	4.1 (4.0 - 4.1)	0.8 (0.7 - 0.8)	9.6 (9.5 - 9.7)	85.6 (85.5 - 85.7)
Science, Research, Engineering and Technology Professionals	18-39	294,465	6.7 (6.6 - 6.8)	1.9 (1.8 - 1.9)	19.9 (19.7 - 20.0)	71.6 (71.4 - 71.7)
Science, Research, Engineering and Technology Professionals	40-64	468,060	3.4 (3.3 - 3.4)	0.6 (0.6 - 0.6)	7.3 (7.2 - 7.4)	88.7 (88.6 - 88.8)
Health Professionals	18-39	263,055	4.0 (3.9 - 4.1)	2.2 (2.1 - 2.2)	17.0 (16.9 - 17.2)	76.8 (76.6 - 76.9)
Health Professionals	40-64	462,625	2.6 (2.6 - 2.7)	0.9 (0.9 - 0.9)	7.2 (7.1 - 7.3)	89.3 (89.2 - 89.4)
Teaching and Other Educational Professionals	18-39	274,805	6.4 (6.3 - 6.5)	1.8 (1.7 - 1.8)	18.7 (18.5 - 18.8)	73.1 (73.0 - 73.3)
Teaching and Other Educational Professionals	40-64	457,385	2.9 (2.9 - 3.0)	0.6 (0.5 - 0.6)	6.6 (6.5 - 6.7)	89.9 (89.8 - 90.0)
Business, Media and Public Service Professionals	18-39	410,225	6.4 (6.3 - 6.4)	1.8 (1.8 - 1.8)	19.4 (19.2 - 19.5)	72.5 (72.3 - 72.6)
Business, Media and Public Service Professionals	40-64	611,320	3.0 (2.9 - 3.0)	0.5 (0.5 - 0.6)	6.9 (6.9 - 7.0)	89.6 (89.5 - 89.6)
Science, Engineering and Technology Associate Professionals	18-39	131,050	9.4 (9.3 - 9.6)	2.8 (2.7 - 2.9)	25.4 (25.2 - 25.7)	62.4 (62.1 - 62.6)
Science, Engineering and Technology Associate Professionals	40-64	160,075	4.3 (4.2 - 4.4)	0.7 (0.6 - 0.7)	8.6 (8.4 - 8.7)	86.5 (86.3 - 86.6)

Health and Social Care Associate Professionals	18-39	148,395	10.4 (10.2 - 10.5)	3.0 (3.0 - 3.1)	25.4 (25.2 - 25.7)	61.2 (60.9 - 61.4)
Health and Social Care Associate Professionals	40-64	228,330	5.2 (5.1 - 5.3)	0.9 (0.9 - 0.9)	9.7 (9.6 - 9.9)	84.2 (84.0 - 84.3)
Protective Service Occupations	18-39	76,905	7.0 (6.8 - 7.2)	2.5 (2.4 - 2.7)	26.7 (26.4 - 27.0)	63.7 (63.4 - 64.1)
Protective Service Occupations	40-64	107,740	3.1 (3.0 - 3.2)	0.7 (0.6 - 0.7)	9.0 (8.8 - 9.1)	87.3 (87.1 - 87.5)
Culture, Media and Sports Occupations	18-39	131,230	10.9 (10.7 - 11.0)	2.7 (2.6 - 2.8)	23.9 (23.6 - 24.1)	62.5 (62.3 - 62.8)
Culture, Media and Sports Occupations	40-64	152,350	6.6 (6.5 - 6.7)	1.0 (0.9 - 1.0)	9.3 (9.1 - 9.4)	83.1 (83.0 - 83.3)
Business and Public Service Associate Professionals	18-39	422,180	8.5 (8.5 - 8.6)	2.5 (2.4 - 2.5)	23.5 (23.4 - 23.6)	65.5 (65.3 - 65.6)
Business and Public Service Associate Professionals	40-64	553,940	3.2 (3.2 - 3.3)	0.6 (0.6 - 0.6)	7.5 (7.5 - 7.6)	88.6 (88.5 - 88.7)
Administrative Occupations	18-39	455,125	11.2 (11.2 - 11.3)	3.2 (3.2 - 3.3)	26.2 (26.0 - 26.3)	59.4 (59.2 - 59.5)
Administrative Occupations	40-64	789,380	3.6 (3.6 - 3.6)	0.7 (0.7 - 0.7)	8.0 (7.9 - 8.1)	87.7 (87.6 - 87.8)
Secretarial and Related Occupations	18-39	101,645	11.7 (11.5 - 11.9)	3.6 (3.5 - 3.8)	25.8 (25.6 - 26.1)	58.8 (58.5 - 59.1)
Secretarial and Related Occupations	40-64	251,770	3.5 (3.4 - 3.5)	0.7 (0.7 - 0.7)	7.4 (7.3 - 7.5)	88.4 (88.3 - 88.5)
Skilled Agricultural and Related Trades	18-39	46,070	16.8 (16.4 - 17.1)	5.1 (4.9 - 5.3)	28.9 (28.5 - 29.3)	49.2 (48.8 - 49.7)
Skilled Agricultural and Related Trades	40-64	101,630	5.4 (5.3 - 5.5)	1.0 (0.9 - 1.1)	8.9 (8.7 - 9.1)	84.7 (84.5 - 84.9)
Skilled Metal, Electrical and Electronic Trades	18-39	216,905	16.7 (16.6 - 16.9)	4.9 (4.8 - 5.0)	35.4 (35.2 - 35.6)	43.0 (42.8 - 43.2)
Skilled Metal, Electrical and Electronic Trades	40-64	321,385	5.9 (5.8 - 6.0)	1.0 (1.0 - 1.1)	12.4 (12.3 - 12.5)	80.6 (80.5 - 80.7)
Skilled Construction and Building Trades	18-39	194,590	22.0 (21.8 - 22.2)	6.4 (6.3 - 6.5)	36.0 (35.8 - 36.2)	35.6 (35.4 - 35.8)
Skilled Construction and Building Trades	40-64	344,070	7.3 (7.3 - 7.4)	1.4 (1.4 - 1.5)	14.7 (14.6 - 14.8)	76.6 (76.4 - 76.7)
Textiles, Printing and Other Skilled Trades	18-39	91,680	14.3 (14.0 - 14.5)	5.0 (4.9 - 5.2)	32.4 (32.1 - 32.7)	48.3 (48.0 - 48.6)
Textiles, Printing and Other Skilled Trades	40-64	168,860	5.3 (5.2 - 5.4)	1.2 (1.2 - 1.3)	14.2 (14.0 - 14.4)	79.3 (79.1 - 79.5)
Caring Personal Service Occupations	18-39	475,880	10.1 (10.0 - 10.2)	4.1 (4.1 - 4.2)	30.9 (30.8 - 31.0)	54.9 (54.8 - 55.0)
Caring Personal Service Occupations	40-64	717,410	4.2 (4.2 - 4.3)	1.1 (1.1 - 1.1)	12.4 (12.3 - 12.5)	82.2 (82.2 - 82.3)
Leisure, Travel and Related Personal Service Occupations	18-39	136,000	16.6 (16.4 - 16.8)	4.6 (4.5 - 4.7)	32.4 (32.1 - 32.6)	46.4 (46.2 - 46.7)
Leisure, Travel and Related Personal Service Occupations	40-64	176,520	5.7 (5.6 - 5.8)	1.2 (1.1 - 1.2)	13.0 (12.9 - 13.2)	80.1 (79.9 - 80.3)
Community and Civil Enforcement Occupations	18-39	4,695	8.4 (7.6 - 9.2)	2.8 (2.3 - 3.2)	25.3 (24.1 - 26.6)	63.5 (62.1 - 64.8)

Community and Civil Enforcement Occupations	40-64	8,320	4.6 (4.1 - 5.0)	1.0 (0.8 - 1.2)	9.7 (9.1 - 10.4)	84.8 (84.0 - 85.6)
Sales Occupations	18-39	476,840	14.1 (14.0 - 14.1)	4.9 (4.8 - 5.0)	32.3 (32.2 - 32.4)	48.7 (48.6 - 48.9)
Sales Occupations	40-64	467,150	5.3 (5.2 - 5.4)	1.2 (1.2 - 1.2)	12.6 (12.5 - 12.7)	80.9 (80.8 - 81.0)
Customer Service Occupations	18-39	134,000	14.7 (14.5 - 14.9)	4.7 (4.6 - 4.8)	30.4 (30.1 - 30.6)	50.2 (49.9 - 50.5)
Customer Service Occupations	40-64	111,825	4.9 (4.8 - 5.0)	1.0 (1.0 - 1.1)	11.0 (10.8 - 11.1)	83.1 (82.9 - 83.3)
Process, Plant and Machine Operatives	18-39	132,125	19.8 (19.5 - 20.0)	5.2 (5.1 - 5.3)	33.5 (33.3 - 33.8)	41.5 (41.2 - 41.8)
Process, Plant and Machine Operatives	40-64	263,515	6.5 (6.4 - 6.6)	1.1 (1.1 - 1.2)	13.3 (13.2 - 13.4)	79.1 (78.9 - 79.2)
Transport and Mobile Machine Drivers and Operatives	18-39	124,070	20.5 (20.3 - 20.7)	5.0 (4.9 - 5.2)	33.2 (32.9 - 33.5)	41.3 (41.0 - 41.5)
Transport and Mobile Machine Drivers and Operatives	40-64	447,805	6.4 (6.3 - 6.5)	1.2 (1.2 - 1.2)	14.5 (14.4 - 14.7)	77.8 (77.7 - 77.9)
Elementary Trades and Related Occupations	18-39	89,345	23.8 (23.5 - 24.0)	6.9 (6.7 - 7.0)	33.8 (33.5 - 34.1)	35.6 (35.3 - 35.9)
Elementary Trades and Related Occupations	40-64	105,455	7.7 (7.6 - 7.9)	1.4 (1.3 - 1.5)	14.6 (14.4 - 14.8)	76.3 (76.1 - 76.6)
Elementary Administration and Service Occupations	18-39	499,875	16.8 (16.7 - 16.9)	5.6 (5.6 - 5.7)	33.0 (32.9 - 33.2)	44.5 (44.4 - 44.6)
Elementary Administration and Service Occupations	40-64	705,465	6.7 (6.6 - 6.7)	1.4 (1.4 - 1.4)	14.1 (14.1 - 14.2)	77.8 (77.7 - 77.9)

Note: ONS Public Health Data Asset and NHS England National Immunisation Management System

**Table S8 Vaccination coverage for SOC sub-major groups and sex**

Occupation	Sex	Population	Proportion of people who had not received a vaccination (%)	Proportion of people who had received one vaccination only (%)	Proportion of people who had received two vaccinations only (%)	Proportion of people who had received three vaccinations (%)
Corporate Managers and Directors	Female	510,255	4.8 (4.7 - 4.8)	1.1 (1.1 - 1.2)	11.6 (11.5 - 11.7)	82.5 (82.4 - 82.6)
Corporate Managers and Directors	Male	877,555	4.4 (4.4 - 4.5)	1.0 (1.0 - 1.0)	11.5 (11.4 - 11.6)	83.1 (83.0 - 83.2)
Other Managers and Proprietors	Female	269,925	6.3 (6.2 - 6.4)	1.5 (1.5 - 1.6)	14.5 (14.4 - 14.7)	77.7 (77.5 - 77.8)
Other Managers and Proprietors	Male	375,360	5.8 (5.7 - 5.9)	1.3 (1.3 - 1.4)	14.0 (13.9 - 14.1)	78.9 (78.8 - 79.0)
Science, Research, Engineering and Technology Professionals	Female	182,200	4.3 (4.2 - 4.4)	1.1 (1.0 - 1.1)	11.2 (11.1 - 11.3)	83.4 (83.2 - 83.6)
Science, Research, Engineering and Technology Professionals	Male	580,340	4.7 (4.7 - 4.8)	1.1 (1.1 - 1.1)	12.5 (12.4 - 12.6)	81.7 (81.6 - 81.8)

Health Professionals	Female	574,110	3.2 (3.1 - 3.2)	1.4 (1.4 - 1.5)	11.1 (11.1 - 11.2)	84.3 (84.2 - 84.3)
Health Professionals	Male	151,555	2.9 (2.9 - 3.0)	1.1 (1.0 - 1.1)	9.4 (9.2 - 9.5)	86.6 (86.4 - 86.8)
Teaching and Other Educational Professionals	Female	534,625	4.3 (4.2 - 4.3)	1.1 (1.0 - 1.1)	11.5 (11.4 - 11.6)	83.2 (83.1 - 83.3)
Teaching and Other Educational Professionals	Male	197,570	4.1 (4.1 - 4.2)	0.9 (0.8 - 0.9)	10.2 (10.1 - 10.4)	84.7 (84.6 - 84.9)
Business, Media and Public Service Professionals	Female	505,830	4.8 (4.8 - 4.9)	1.2 (1.2 - 1.2)	12.2 (12.2 - 12.3)	81.7 (81.6 - 81.8)
Business, Media and Public Service Professionals	Male	515,720	3.8 (3.8 - 3.9)	0.9 (0.9 - 0.9)	11.6 (11.5 - 11.7)	83.6 (83.5 - 83.7)
Science, Engineering and Technology Associate Professionals	Female	85,945	6.1 (6.0 - 6.3)	1.6 (1.5 - 1.7)	14.1 (13.9 - 14.4)	78.1 (77.9 - 78.4)
Science, Engineering and Technology Associate Professionals	Male	205,185	6.8 (6.7 - 6.9)	1.7 (1.6 - 1.7)	17.0 (16.8 - 17.2)	74.6 (74.4 - 74.7)
Health and Social Care Associate Professionals	Female	325,350	7.2 (7.1 - 7.3)	1.7 (1.7 - 1.8)	16.0 (15.9 - 16.2)	75.0 (74.9 - 75.2)
Health and Social Care Associate Professionals	Male	51,375	7.4 (7.1 - 7.6)	1.7 (1.6 - 1.9)	15.3 (14.9 - 15.6)	75.7 (75.3 - 76.1)
Protective Service Occupations	Female	61,260	5.3 (5.1 - 5.5)	1.6 (1.5 - 1.7)	17.0 (16.7 - 17.3)	76.1 (75.8 - 76.5)
Protective Service Occupations	Male	123,385	4.4 (4.3 - 4.5)	1.4 (1.3 - 1.4)	16.1 (15.9 - 16.3)	78.1 (77.9 - 78.4)
Culture, Media and Sports Occupations	Female	146,185	8.4 (8.2 - 8.5)	1.7 (1.7 - 1.8)	15.2 (15.0 - 15.4)	74.7 (74.5 - 74.9)
Culture, Media and Sports Occupations	Male	137,395	8.8 (8.6 - 8.9)	1.8 (1.7 - 1.9)	16.9 (16.7 - 17.1)	72.5 (72.2 - 72.7)
Business and Public Service Associate Professionals	Female	518,845	5.9 (5.9 - 6.0)	1.5 (1.5 - 1.6)	14.6 (14.5 - 14.7)	77.9 (77.8 - 78.0)
Business and Public Service Associate Professionals	Male	457,270	5.1 (5.0 - 5.1)	1.3 (1.3 - 1.3)	14.2 (14.1 - 14.3)	79.4 (79.3 - 79.6)
Administrative Occupations	Female	936,235	6.2 (6.2 - 6.3)	1.6 (1.5 - 1.6)	14.0 (13.9 - 14.0)	78.2 (78.1 - 78.3)
Administrative Occupations	Male	308,280	6.9 (6.8 - 6.9)	1.8 (1.7 - 1.8)	16.6 (16.5 - 16.8)	74.7 (74.6 - 74.9)
Secretarial and Related Occupations	Female	334,475	5.7 (5.6 - 5.8)	1.5 (1.5 - 1.5)	12.4 (12.3 - 12.5)	80.4 (80.2 - 80.5)
Secretarial and Related Occupations	Male	18,940	8.3 (7.9 - 8.7)	2.3 (2.1 - 2.6)	18.0 (17.4 - 18.5)	71.5 (70.8 - 72.1)
Skilled Agricultural and Related Trades	Female	23,880	6.4 (6.1 - 6.7)	1.5 (1.3 - 1.6)	11.0 (10.6 - 11.3)	81.2 (80.7 - 81.7)
Skilled Agricultural and Related Trades	Male	123,815	9.4 (9.3 - 9.6)	2.4 (2.3 - 2.5)	15.9 (15.7 - 16.2)	72.2 (71.9 - 72.4)
Skilled Metal, Electrical and Electronic Trades	Female	15,915	10.4 (9.9 - 10.9)	2.6 (2.3 - 2.8)	20.9 (20.3 - 21.6)	66.1 (65.3 - 66.8)
Skilled Metal, Electrical and Electronic Trades	Male	522,385	10.3 (10.2 - 10.4)	2.6 (2.5 - 2.6)	21.7 (21.6 - 21.8)	65.4 (65.3 - 65.6)
Skilled Construction and Building Trades	Female	13,025	12.9 (12.3 - 13.4)	2.7 (2.4 - 3.0)	20.6 (19.9 - 21.3)	64.0 (63.1 - 64.8)

Skilled Construction and Building Trades	Male	525,640	12.6 (12.6 - 12.7)	3.2 (3.2 - 3.3)	22.4 (22.3 - 22.5)	61.7 (61.6 - 61.8)
Textiles, Printing and Other Skilled Trades	Female	110,525	7.9 (7.7 - 8.0)	2.1 (2.1 - 2.2)	17.7 (17.5 - 18.0)	72.2 (72.0 - 72.5)
Textiles, Printing and Other Skilled Trades	Male	150,010	8.8 (8.7 - 9.0)	2.9 (2.8 - 3.0)	22.7 (22.5 - 22.9)	65.6 (65.4 - 65.8)
Caring Personal Service Occupations	Female	1,037,340	6.5 (6.5 - 6.6)	2.3 (2.3 - 2.4)	19.9 (19.8 - 20.0)	71.2 (71.1 - 71.3)
Caring Personal Service Occupations	Male	155,960	6.9 (6.8 - 7.1)	2.2 (2.1 - 2.2)	18.8 (18.6 - 19.0)	72.1 (71.9 - 72.3)
Leisure, Travel and Related Personal Service Occupations	Female	232,085	10.8 (10.7 - 10.9)	2.8 (2.7 - 2.8)	22.2 (22.0 - 22.4)	64.2 (64.0 - 64.4)
Leisure, Travel and Related Personal Service Occupations	Male	80,435	9.5 (9.3 - 9.7)	2.4 (2.3 - 2.5)	19.2 (18.9 - 19.4)	68.9 (68.6 - 69.2)
Community and Civil Enforcement Occupations	Female	5,105	5.3 (4.7 - 5.9)	1.4 (1.1 - 1.7)	15.0 (14.0 - 16.0)	78.5 (77.3 - 79.6)
Community and Civil Enforcement Occupations	Male	7,915	6.3 (5.8 - 6.9)	1.8 (1.5 - 2.1)	15.5 (14.7 - 16.3)	76.4 (75.4 - 77.3)
Sales Occupations	Female	611,565	9.0 (9.0 - 9.1)	2.8 (2.8 - 2.8)	21.1 (21.0 - 21.2)	67.0 (66.9 - 67.2)
Sales Occupations	Male	332,430	11.0 (10.9 - 11.1)	3.5 (3.5 - 3.6)	25.2 (25.1 - 25.4)	60.3 (60.1 - 60.4)
Customer Service Occupations	Female	167,870	9.8 (9.6 - 9.9)	2.9 (2.8 - 3.0)	20.5 (20.3 - 20.7)	66.8 (66.6 - 67.0)
Customer Service Occupations	Male	77,945	11.2 (11.0 - 11.4)	3.3 (3.2 - 3.5)	23.8 (23.5 - 24.1)	61.7 (61.3 - 62.0)
Process, Plant and Machine Operatives	Female	80,965	10.6 (10.4 - 10.8)	1.9 (1.8 - 2.0)	18.2 (17.9 - 18.4)	69.4 (69.1 - 69.7)
Process, Plant and Machine Operatives	Male	314,675	11.0 (10.9 - 11.1)	2.7 (2.6 - 2.7)	20.5 (20.4 - 20.7)	65.8 (65.6 - 66.0)
Transport and Mobile Machine Drivers and Operatives	Female	42,995	10.3 (10.0 - 10.6)	2.2 (2.1 - 2.4)	18.0 (17.6 - 18.4)	69.5 (69.0 - 69.9)
Transport and Mobile Machine Drivers and Operatives	Male	528,875	9.4 (9.3 - 9.5)	2.0 (2.0 - 2.1)	18.6 (18.5 - 18.8)	69.9 (69.8 - 70.0)
Elementary Trades and Related Occupations	Female	39,230	12.8 (12.5 - 13.1)	2.3 (2.2 - 2.5)	21.4 (21.0 - 21.8)	63.4 (62.9 - 63.9)
Elementary Trades and Related Occupations	Male	155,575	15.7 (15.5 - 15.8)	4.3 (4.2 - 4.4)	23.9 (23.7 - 24.1)	56.2 (55.9 - 56.4)
Elementary Administration and Service Occupations	Female	644,110	10.0 (10.0 - 10.1)	2.9 (2.9 - 3.0)	21.5 (21.4 - 21.6)	65.5 (65.4 - 65.7)
Elementary Administration and Service Occupations	Male	561,230	11.9 (11.8 - 12.0)	3.4 (3.4 - 3.5)	22.5 (22.4 - 22.6)	62.2 (62.1 - 62.4)

Note: ONS Public Health Data Asset and NHS England National Immunisation Management System