|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Total**n=16,433 | **Unvaccinated**n=4917(29.9%) | **Vaccinated**n=11,516(70.1%) |
| **Age (years)**≤3031 – 4041 – 5051 – 60≥61 | 3490 (21.2)4014 (24.4)3873 (23.6)3791 (23.1)1265 (7.7) | 1430 (29.1)1477 (30.0)970 (19.7)802 (16.3)238 (4.8) | 2060 (17.9)2537 (22.0)2903 (25.2)2989 (26.0)1027 (8.9) |
| **Sex**FemaleMale | 12625 (76.8)3808 (23.2) | 3866 (78.6)1051 (21.4) | 8759 (76.1)2757 (23.9) |
| **Ethnicity**WhiteSouth AsianBlackOtherNot stated | 10097 (61.4)4203 (25.6)1034 (6.3)870 (5.3)229 (1.4) | 2426 (49.3)1536 (31.2)583 (11.9)297 (6.0)75 (1.5) | 7671 (66.6)2667 (23.2)451 (3.9)573 (5.0)154 (1.3) |
| **IMD quintile**5 (least deprived)4321 (most deprived)Missing | 3998 (24.3)3486 (21.2)2850 (17.3)3526 (21.5)2516 (15.3)57 (0.4) | 933 (19.0)906 (18.4)875 (17.8)1254 (25.5)931 (18.9)18 (0.4) | 3065 (26.6)2580 (22.4)1975 (17.2)2272 (19.7)1585 (13.8)39 (0.3) |
| **Occupation**DoctorNurse / HCAAllied Health ProfessionalAdmin / executiveHealthcare ScientistEstates / FacilitiesOther | 2299 (14.0)6669 (40.6)1281 (7.8)3209 (19.5)806 (4.9)1978 (12.0)191 (1.2) | 704 (14.3)2157 (43.9)364 (7.4)768 (15.6)198 (4.0)678 (13.8)48 (1.0) | 1595 (13.9)4512 (39.2)917 (8.0)2441 (21.2)608 (5.3)1300 (11.3)143 (1.2) |
| **Previous SARS-CoV-2 serology**Never testedNegativePositive | 5611 (34.1)9669 (58.8)1153 (7.0) | 2250 (45.8)2363 (48.1)304 (6.2) | 3361 (29.2)7306 (63.4)849 (7.4) |
| **Previous SARS-CoV-2 PCR**Never testedNegativePositive | 12,765 (77.7)2, 886(17.6)782 (4.8) | 4018 (81.7)638 (13.0)261 (5.3) | 8747 (76.0)2248 (19.5)521 (4.5) |
| **Previous COVID-19 work absence**No absenceSymptomaticHousehold / test and trace contactPregnant | 9878 (60.1)3698 (22.5)2727 (16.6)130 (0.8) | 2794 (56.8)1221 (24.8)796 (16.2)106 (2.2) | 7084 (61.5)2477 (21.5)1931 (16.8)24 (0.2) |

**S4 Table. Description of cohort excluding locum or bank staff**