|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **ECDS Event HR (95% CI)** | | **ITU admission HR (95% CI)** | | **CPNS Death HR (95% CI)** | | **ONS COVID-19 Death HR**  **(95% CI)** | |
|  | Age-sex adj | Fully adj | Age-sex adj | Fully adj | Age-sex adj | Fully adj | Age-sex adj | Fully adj |
| **Age** |  |  |  |  |  |  |  |  |
| 18-<40 | DID NOT FIT | DID NOT FIT | 2.8e+10 ( 2.9e+09- 2.7e+11) | 1.0e+10 ( 4.8e+08- 2.2e+11) | 4.0e+14 (0.00- .) | 7.5e+15 (0.00- .) | 0.01 (0.00- .) | 0.01 (0.00- .) |
| 40-<50 | DID NOT FIT | DID NOT FIT | 1.5e+10 ( 9.1e+08- 2.4e+11) | 4.5e+09 ( 1.4e+08- 1.5e+11) | 0.03 (0.00- .) | 0.12 (0.00- .) | 0.01 (0.00- .) | 0.02 (0.00- .) |
| 50-<60 | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) |
| 60-<70 | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | 0.02 (0.00- .) | 0.00 ( .- .) | 0.01 (0.00- .) | 0.01 (0.00- .) |
| 70-<80 | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | 0.02 (0.00- .) | 0.15 (0.00- .) | 0.01 (0.00- .) | 0.01 (0.00- .) |
| 80+ | DID NOT FIT | DID NOT FIT | 1.4e+10 ( .- .) | 1.7e+09 ( .- .) | 0.01 (0.00- .) | 0.14 (0.00- .) | 4.1e+14 (0.00- .) | 2.1e+16 (0.00- .) |
|  |  |  |  |  |  |  |  |  |
| **Sex** |  |  |  |  |  |  |  |  |
| Female | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) |
| Male | DID NOT FIT | DID NOT FIT | 5.51 (0.57-53.48) | 10.25 (0.46-228.72) | DID NOT FIT | 0.00 (0.00- .) | DID NOT FIT | 0.00 (0.00- .) |
|  |  |  |  |  |  |  |  |  |
| **BMI (kg/m2)** |  |  |  |  |  |  |  |  |
| <40 | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) |
| ≥40 | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
|  |  |  |  |  |  |  |  |  |
| **Smoking** |  |  |  |  |  |  |  |  |
| Non-smoker | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) |
| Current | DID NOT FIT | DID NOT FIT | 3.59 (0.53-24.40) | 5.04 (0.60-42.43) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
|  |  |  |  |  |  |  |  |  |
| **Ethnicity\*** |  |  |  |  |  |  |  |  |
| White | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) |
| Black | DID NOT FIT | DID NOT FIT | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) |
| Asian | DID NOT FIT | DID NOT FIT | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) |
| Mixed | DID NOT FIT | DID NOT FIT | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) |
| Other | DID NOT FIT | DID NOT FIT | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) | 1.00 ( .- .) |
|  |  |  |  |  |  |  |  |  |
| **IMD quintile** |  |  |  |  |  |  |  |  |
| 1 (least deprived) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) |
| 2 | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| 3 | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| 4 | DID NOT FIT | DID NOT FIT | 2.6e+10 ( 4.0e+09- 1.7e+11) | 3.4e+10 ( 5.3e+09- 2.2e+11) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| 5 (most deprived) | DID NOT FIT | DID NOT FIT | 7.1e+09 ( .- .) | 8.0e+09 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
|  |  |  |  |  |  |  |  |  |
| **Blood pressure** |  |  |  |  |  |  |  |  |
| Normal | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) | 1.00 (ref) |
| High | DID NOT FIT | DID NOT FIT | 0.40 (0.04-3.76) | 0.23 (0.02-2.42) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
|  |  |  |  |  |  |  |  |  |
| ***Co-morbidities*** |  |  |  |  |  |  |  |  |
| Respiratory disease ex asthma | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | DID NOT FIT |
| Asthma | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| Chronic heart disease | DID NOT FIT | DID NOT FIT | 7.17 (0.81-63.32) | 53.13 (7.14-395.21) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| Diabetes | DID NOT FIT | DID NOT FIT | 0.94 (0.09-9.64) | 1.02 (0.08-13.20) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| Cancer ex haem (in last year) | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| Canc haem/ apl anaem /bone mrrw transpl  (last yr) | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| Liver disease | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | 0.42 ( .- .) | DID NOT FIT |
| Stroke/  dementia | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | DID NOT FIT |
| Other neurological | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| Kidney disease | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| Organ transplant | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| Spleen diseases | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | DID NOT FIT | DID NOT FIT |
| Rheumatoid/Lupus/ Psoriasis | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | 0.00 ( .- .) | DID NOT FIT | DID NOT FIT | 0.00 ( .- .) | DID NOT FIT |
| Endocrine disease | (later) |  |  |  |  |  |  |  |
| **Immunosuppression not classified elsewhere** | (later) |  |  |  |  |  |  |  |

**GREY HIGHLIGHT = DUMMY DATA - NOT REAL; YELLOW HIGHLIGHT = YET TO BE IMPLEMENTED**

FOOTNOTES: Ethnicity/BMI from a CC model? Adjustment for age slpine?