**VIF**

|  |  |
| --- | --- |
|  | VIF Value |
| The percentage of people aged 65 and above | 2.01 |
| Population density | 1.32 |
| COVID-19 total tests (/1000) | 1.50 |
| GHSI | 2.08 |
| GDP | 2.13 |
| WGI | 2.08 |
| Obesity (%) | 1.33 |
| Vaccination (/100) | 1.92 |

**Beta regression model**

|  |  |  |  |
| --- | --- | --- | --- |
|  | IRR | 95% CI | P-Value |
| The percentage of people aged 65 and above | 1.03 | 1.01-1.06 | **0.020** |
| Population density | 1.01 | 0.99-1.01 | 0.877 |
| COVID-19 total tests (/1000) | 0.99 | 0.99-1.01 | 0.729 |
| GHSI | 1.01 | 0.99-1.01 | 0.296 |
| GDP | 1.01 | 1.01-1.02 | **0.007** |
| WGI | 0.99 | 0.82-1.21 | 0.973 |
| Obesity (%) | 1.03 | 1.01-1.05 | **0.001** |
| Vaccination (/100) | 0.99 | 0.98-0.99 | **0.021** |
| Adjusted pseudo R2 | 0.453 | | |