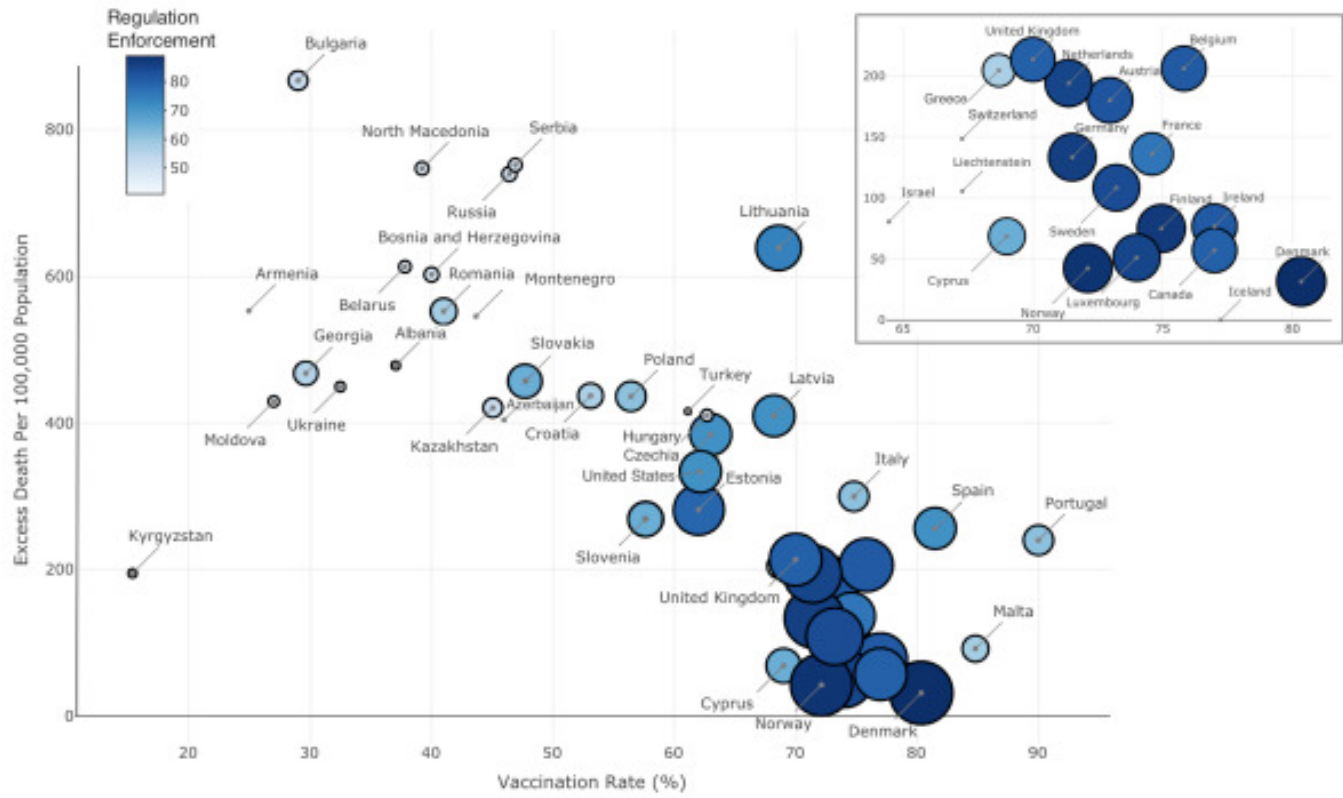


**Figure 1 Association between COVID-19 related excess mortality, vaccination rate and regulation enforcement in 50 countries in January 2022**



Regulation enforcement with excess mortality -0.69 ( $p < 0.001$ )  
 Vaccination rate with excess mortality -0.70 ( $p < 0.001$ )  
 Regulation enforcement with vaccination rate 0.73 ( $p < 0.001$ )