





Supplementary figure S4 Scatter plot-showing correlation between IgG antibody titers and OPA in children after PCV13 vaccination with catch-up (1-2 doses), 2+1, and 3+1 schedules. The individual titers are indicated by dots. Red lines indicate protective thresholds for IgG antibody ($\geq 0.35 \mu\text{g/ml}$) and OPA titer (≥ 18). Correlation coefficients were determined with the Pearson correlation test. r , Pearson correlation coefficient. P values < 0.05 were regarded as statistically significant. Panel A shows the correlation for serotypes 1, 3, 5, and 19A. Panels B and C indicate the correlation for serotypes 3 and 19A by years after the last dose of PCV13 immunization.