**Table S1.** Significant differences in anti-measles IgG levels identified by ELISA in different years

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Year (1)** | **Year (2)** | **n(1)** | **n(2)** | **IgG (mean±SD, year 1)** | **IgG (mean±SD, year 2)** | **P** | **P adjusted** |
| 2012 | 2015 | 528 | 430 | 1.6 ± 1.75 | 1 ± 1.3 | 1.56e-05 | 6.40e-04 |
| 2012 | 2022 | 528 | 1210 | 1.6 ± 1.75 | 1 ± 1.5 | 8.98e-13 | 4.58e-11 |
| 2012 | 2023 | 528 | 4710 | 1.6 ± 1.75 | 0.9 ± 1.22 | 2.35e-12 | 1.17e-10 |
| 2014 | 2022 | 152 | 1210 | 1.7 ± 1.79 | 1 ± 1.5 | 7.15e-07 | 3.43e-05 |
| 2014 | 2023 | 152 | 4710 | 1.7 ± 1.79 | 0.9 ± 1.22 | 1.86e-06 | 8.18e-05 |
| 2015 | 2018 | 430 | 6970 | 1 ± 1.3 | 1.7 ± 1.76 | 6.34e-11 | 3.11e-09 |
| 2015 | 2019 | 430 | 5296 | 1 ± 1.3 | 1.5 ± 1.62 | 8.11e-07 | 3.81e-05 |
| 2016 | 2022 | 356 | 1210 | 1.3 ± 1.43 | 1 ± 1.5 | 1.43e-06 | 6.44e-05 |
| 2016 | 2023 | 356 | 4710 | 1.3 ± 1.43 | 0.9 ± 1.22 | 1.43e-05 | 6.01e-04 |
| 2017 | 2018 | 298 | 6970 | 1.2 ± 1.48 | 1.7 ± 1.76 | 1.18e-06 | 5.43e-05 |
| 2018 | 2019 | 6970 | 5296 | 1.7 ± 1.76 | 1.5 ± 1.62 | 4.52e-06 | 1.94e-04 |
| 2018 | 2022 | 6970 | 1210 | 1.7 ± 1.76 | 1 ± 1.5 | 7.10e-38 | 3.76e-36 |
| 2018 | 2023 | 6970 | 4710 | 1.7 ± 1.76 | 0.9 ± 1.22 | 1.28e-84 | 7.04e-83 |
| 2019 | 2022 | 5296 | 1210 | 1.5 ± 1.62 | 1 ± 1.5 | 6.96e-25 | 3.62e-23 |
| 2019 | 2023 | 5296 | 4710 | 1.5 ± 1.62 | 0.9 ± 1.22 | 1.22e-49 | 6.59e-48 |
| 2021 | 2023 | 61 | 4710 | 1.5 ± 1.5 | 0.9 ± 1.22 | 1.13e-04 | 4.00e-03 |

**Table S2.** Significant differences in anti-measles IgG positivity identified by ELISA in different years

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year (1)** | **Year (2)** | **Seroprevalence in Year 1** | **Seroprevalence in Year 1** | **P** | **P adjusted** |
| 2012 | 2022 | 80 ± 3.4 % | 67 ± 2.6 % | 2.08e-07 | 1.06e-05 |
| 2012 | 2023 | 80 ± 3.4 % | 70 ± 1.3 % | 8.32e-06 | 4.16e-04 |
| 2015 | 2022 | 73 ± 4.2 % | 67 ± 2.6 % | 7.30e-04 | 3.58e-02 |
| 2018 | 2022 | 78 ± 1 % | 67 ± 2.6 % | 5.71e-18 | 3.09e-16 |
| 2018 | 2023 | 78 ± 1 % | 70 ± 1.3 % | 1.85e-24 | 1.02e-22 |
| 2019 | 2022 | 77 ± 1.1% | 67 ± 2.6 % | 9.71e-13 | 5.05e-11 |
| 2019 | 2023 | 77 ± 1.1% | 70 ± 1.3 % | 1.25e-14 | 6.64e-13 |