

Appendix 1. Comparison of the Rubella and Measles IgG antibody (logarithmic scale) between different children age groups by Dunnett's multiple comparison test in 29 provinces of IRAN from May to December 2020

Age group		The mean difference of logarithmic titers of Measles antibodies (95% CI)	P-Value	The mean difference of logarithmic titers of Rubella antibodies (95%CI)	P-Value
<2 months (n=50)	6 months (n=54)	1.14 (0.60 to 1.67)	<0.001	1.14 (0.78 to 1.50)	<0.001
	12 months (n=54)	1.19 (0.59 to 1.79)	<0.001	1.25 (0.89 to 1.61)	<0.001
	18 months (n=39)	-0.65 (-1.17 to -0.13)	0.004	0.69 (0.12 to 1.27)	0.008
	5-6 years old (n=49)	-0.44 (-0.88 to 0.01)	0.055	-0.15 (-0.59 to 0.29)	>0.99
	Pregnant women (n=53)	-0.07 (-0.49 to 0.34)	>0.99	-0.10 (-0.46 to 0.25)	>0.99
6 months (n=54)	12 months (n=54)	0.05 (-0.57 to 0.68)	>0.99	0.11 (-0.24 to 0.46)	>0.99
	18 months (n=39)	-1.79 (-2.34 to -1.24)	<0.001	-0.45 (-1.02 to 0.13)	0.26
	5-6 years old (n=49)	-1.57 (-2.06 to -1.09)	<0.001	-1.29 (-1.72 to -0.85)	<0.001

	Pregnant women (n=53)	-1.21 (-1.67 to -0.75)	<0.001	-1.24 (-1.59 to -0.89)	<0.001
12 months (n=54)	18 months (n=39)	-1.84 (-2.45 to -1.23)	<0.001	-0.56 (-1.13 to 0.02)	0.06
	5-6 years old (n=49)	-1.63 (-2.18 to -1.08)	<0.001	-1.40 (-1.83 to -0.96)	<0.001
	Pregnant women (n=53)	-1.26 (-1.79 to -0.73)	<0.001	-1.35 (-1.71 to -1.00)	<0.001
18 months (n=39)	5-6 years old (n=49)	0.21 (-0.25 to 0.68)	0.92	-0.84 (-1.46 to -0.21)	0.002
	Pregnant women (n=53)	0.58 (0.14 to 1.01)	0.002	-0.79 (-1.37 to -0.22)	0.001
5-6 years old (n=49)	Pregnant women (n=53)	0.36 (0.03 to 0.70)	0.03	0.04 (-0.39 to 0.48)	>0.99

CI: Confidence interval