

Table S1. Timing and frequency of measurements for the groups with and without fever until 30 days after vaccination
a.

Days after vaccination	0	3	4	5	6	7	8	9	10	11	12	13	28	29	30
Number of people tested															
with fever	21	4	9	7	10	4	4	1	4	3	3	1	5	3	1
without fever	40	11	17	15	17	18	8	1	5	15	3	1	10	8	3

b.

Number of measurements	2	3	4	5	6	7
Number of applicable people						
with fever	5	3	5	3	2	3
without fever	4	8	8	6	8	7

Table S2. Basic mixed-effects model of antibody titer trends within 1 month after vaccination

<i>Fixed effects</i>					
	Value	Std. Error	P> z	95% CI	
(Intercept)	-2238.91	2805.62	0.43	-7737.83	3260.01
Fever	31.41	3174.91	0.99	-6191.29	6254.11
Time	3409.81	408.04	0.00	2610.07	4209.54
Fever:time	1028.72	623.21	0.10	-192.76	2250.19
Time2	-89.73	11.78	0.00	-112.83	-66.64
Fever:time2	-26.09	20.60	0.21	-66.46	14.27
Age 40–49	-1011.57	2883.63	0.73	-6663.38	4640.25
Age 50–69	-3984.28	3139.64	0.20	-10,137.86	2169.29
Female sex	954.65	2720.38	0.73	-4377.20	6286.50
Age 40–49:time	18.50	360.86	0.96	-688.78	725.78
Age 50–69:time	-267.98	492.30	0.59	-1232.86	696.90
Female:time	-185.04	296.28	0.53	-765.75	395.66
Age 40–49:female:time	52.23	403.05	0.90	-737.74	842.19
Age 50–69:female:time	266.86	526.65	0.61	-765.35	1299.07
Random-effects parameters	Estimate	Std. Error		95% CI	
the SD of level-two errors	6028.09	1051.01		4283.23	8483.77
the SD of the overall error term	11,045.83	571.38		9980.83	12,224.46

The references for the categorical variables are as follows:

Time was a continuous variable from days 0 to 30.

Age $\leq$ 40 was the reference group for age 40–49 and age 50–69.

Male sex was the reference group for female sex.

The symbol “:” indicates interaction.

Std. Error: Standard error; CI: Confidence interval; SD: Standard deviation

Table S3. Antipyretic mixed-effects model of antibody titer trends within 1 month after vaccination

<u>Fixed effects</u>					
	Value	Std. Error	P> z	95% CI	
(Intercept)	-2769.09	3246.76	0.39	-9132.62	3594.44
Fever	-315.06	3395.07	0.93	-6969.27	6339.15
Time	3314.21	433.55	0.00	2464.47	4163.95
Fever:time	981.86	629.81	0.12	-252.55	2216.26
Time2	-89.87	11.81	0.00	-113.01	-66.73
Fever:time2	-26.01	20.63	0.21	-66.45	14.43
Age 40–49	-853.26	2989.30	0.78	-6712.17	5005.65
Age 50–69	-4049.80	3160.20	0.20	-10,243.68	2144.07
Female sex	819.52	2809.17	0.77	-4686.35	6325.38
Age 40-49:time	124.53	388.06	0.75	-636.05	885.12
Age 50–69:time	-258.47	494.11	0.60	-1226.91	709.97
Female:time	-181.42	299.19	0.54	-767.83	404.98
Age 40-49:female:time	-42.42	419.37	0.92	-864.36	779.52
Age 50–69:female:time	234.76	529.48	0.66	-802.99	1272.52
Antipyretic use	976.93	3176.84	0.76	-5249.56	7203.42
Antipyretic use:time	139.19	242.90	0.57	-336.88	615.26
Random-effects parameters	Estimate	Std. Error		95% CI	
the SD of level-two errors	6082.69	1060.95		4321.44	8561.76
the SD of the overall error term	11,063.72	573.65		9994.63	12,247.18

The references for the categorical variables are as follows:

Time was a continuous variable from days 0 to 30.

Age $\leq$ 40 was the reference group for age 40–49 and age 50–69.

Male sex was the reference group for female sex.

Antipyretic-free was the reference group for antipyretic use.

The symbol “:” indicates interaction.

Std. Error: Standard error; CI: Confidence interval; SD: Standard deviation