Supplementary Figure 1 Flow chart.

Supplementary Table 1 The association between diabetic ketoacidosis and coronavirus disease 2019 infection/vaccination history

	OR	95% CI	*P* value
History of COVID-19 infection	2.403	1.201-4.806	0.013
History of COVID-19 vaccination	0.394	0.199-0.781	0.008
Age	1.045	0.950-1.150	0.366
Male	0.605	0.335-1.095	0.097

COVID-19: Coronavirus disease 2019.

Supplementary Table 2 The immune spectrum of type 1 diabetes children with and without the history of coronavirus disease 2019 infection and vaccination

Variables	Non-infection/non-vaccination group	Vaccination only group	Infection group	P value
CD3$^+$ (%)	67.40 (61.63–71.73)	66.04 (60.97–71.56)	68.96 (61.78–72.17)	0.531
CD3$^+$ (10^6/mL)	1575.80 (1217.70–1958.80)	1426.90 (1092.30–1870.23)	1464.50 (1253.05–1927.50)	0.204
CD4$^+$ (%)	36.47 (32.65–41.35)	32.74 (26.82–38.35)	35.68 (31.02–40.90)	0.006
CD4$^+$ (10^6/mL)	854.99 (643.63–1133.07)	692.84 (559.49–852.65)	793.71 (623.94–1040.42)	0.004
CD8$^+$ (%)	22.55 (18.41–26.43)	25.76 (22.42–29.04)	24.29 (20.78–27.54)	0.004
CD8$^+$, 10^6/mL	504.72 (382.71–637.71)	529.16 (419.29–712.27)	547.42 (406.76–677.36)	0.768
CD4$^+$/CD8$^+$	1.66 (1.29–2.05)	1.33 (1.02–1.60)	1.48 (1.25–1.82)	< 0.001
CD19$^+$ (%)	17.91 (15.65–22.13)	19.03 (13.83–21.98)	18.75 (14.72–23.23)	0.752
CD19$^+$ (10^6/mL)	435.42 (324.05–588.56)	412.42 (271.93–521.48)	389.56 (312.55–574.48)	0.245

CD16$^+$CD56$^+$ (%)	10.21 (7.57–17.53)	12.39 (8.79–18.39)	8.94 (6.02–13.18)	0.032
CD16$^+$CD56$^+$ (10^6/mL)	244.03 (163.65–370.48)	261.83 (171.69–399.28)	200.18 (116.67–335.28)	0.158
CD45$^+$ (10^6/mL)	2285.36 (1818.89–2927.17)	2247.31 (1611.35–2765.26)	2284.89 (1832.33–2757.48)	0.270
IgG (g/L)	8.60 (7.20–10.50)	9.45 (7.68–11.38)	10.20 (8.25–12.15)	0.002
IgA (g/L)	1.47 (0.99–1.99)	1.93 (1.44–2.42)	1.79 (1.39–2.51)	0.004
IgM (g/L)	1.28 (0.91–1.61)	1.32 (0.99–1.72)	1.31 (1.05–1.68)	0.904
IgE (kU/L)	95.35 (43.42–189.52)	88.82 (30.50–181.39)	73.46 (33.63–196.13)	0.673

Data are presented as median (IQR).