

# SARS-CoV-2 Infection in Children

## QUELLES SONT LES DONNÉES À CE JOUR SUR LA POPULATION PÉDIATRIQUE? (PARTIE 1/2)

**Devis:**  
Étude rétrospective observationnelle

**Population:**

Tous les enfants de 16 ans et moins avec PCR positif, se présentant à l'hôpital pédiatrique de Wuhan, Chine.

**Table 1. Epidemiologic Characteristics, Clinical Features, and Radiologic Findings of 171 Children with SARS-CoV-2 Infection.\***

Characteristic	Value
Age	
Median (range)	6.7 yr (1 day–15 yr)
Distribution — no. (%)	
<1 yr	31 (18.1)
1–5 yr	40 (23.4)
6–10 yr	58 (33.9)
11–15 yr	42 (24.6)
Sex — no. (%)	
Male	104 (60.8)
Female	67 (39.2)
Diagnosis — no. (%)	
Asymptomatic infection	27 (15.8)
Upper respiratory tract infection	33 (19.3)
Pneumonia	111 (64.9)
Exposure or contact information — no. (%)	
Family cluster	154 (90.1)
Confirmed family members	131 (76.6)
Suspected family members	23 (13.5)
Unidentified source of infection	15 (8.8)
Contact with other suspected case	2 (1.2)
Signs and symptoms	
Cough — no. (%)	83 (48.5)
Pharyngeal erythema — no. (%)	79 (46.2)
Fever — no. (%)	71 (41.5)
Median duration of fever (range) — days	3 (1–16)
Highest temperature during hospitalization — no. (%)	
<37.5°C	100 (58.5)
37.5–38.0°C	16 (9.4)
38.1–39.0°C	39 (22.8)
>39.0°C	16 (9.4)
Diarrhea — no. (%)	15 (8.8)
Fatigue — no. (%)	13 (7.6)
Rhinorrhea — no. (%)	13 (7.6)
Vomiting — no. (%)	11 (6.4)
Nasal congestion — no. (%)	9 (5.3)
Tachypnea on admission — no. (%)†	49 (28.7)
Tachycardia on admission — no. (%)‡	72 (42.1)
Oxygen saturation <92% during period of hospitalization — no. (%)	4 (2.3)
Abnormalities on computed tomography of the chest — no. (%)	
Ground-glass opacity	56 (32.7)
Local patchy shadowing	32 (18.7)
Bilateral patchy shadowing	21 (12.3)
Interstitial abnormalities	2 (1.2)

\* Percentages may not total 100 because of rounding.

† The normal ranges of respiratory rate (in breaths per minute) were as follows: 40 to 60 for newborns, 30 to 40 for children younger than 1 year of age, 25 to 30 for those 1 to 3 years of age, 20 to 25 for those 4 to 7 years of age, 18 to 20 for those 8 to 14 years of age, and 12 to 20 for those older than 14 years of age. Tachypnea refers to a respiratory rate higher than the upper limit of the normal range according to age.

‡ The normal ranges of pulse rate (in beats per minute) were as follows: 120 to 140 for newborns, 110 to 130 for children younger than 1 year of age, 100 to 120 for those 1 to 3 years of age, 80 to 100 for those 4 to 7 years of age, 70 to 90 for those 8 to 14 years of age, and 60 to 70 for those older than 14 years of age. Tachycardia refers to a pulse rate higher than the upper limit of the normal range according to age.

# SARS-CoV-2 Infection in Children

## QUELLES SONT LES DONNÉES À CE JOUR SUR LA POPULATION PÉDIATRIQUE? (PARTIE 2/2)

**N.B.**

3 patients nécessitant USI/IET:  
 3 avec une condition médicale préalable:  
 leucémie (1), hydronéphrose (1), invagination (1)

Table S1. Age distribution of infected children and their respective diagnoses

	n (%) or median (IQR)			
	All patients (n = 171)	Asymptomatic infection (n=27)	Upper respiratory tract infection (n = 33)	Pneumonia (n =111)
<b>Age -years</b>				
Median (IQR)	6.7 (2.0-9.8)	9.6 (7.6-12.6)	3.9 (1.4-8.4)	5.9 (1.2-9.3)
<1	31 (18.1)	0	6 (18.2)	25 (22.5)
1-5	40 (23.4)	1 (3.7)	12 (36.4)	27 (24.3)
6-10	58 (33.9)	14 (51.9)	10 (30.3)	34 (30.6)
11-15	42 (24.6)	12 (44.4)	5 (15.2)	25 (22.5)

**Limitations:**

- Données d'un seul centre pédiatrique à Wuhan, Chine

**CE QU'IL FAUT RETENIR!**

Les enfants semblent présenter une maladie plus légère  
 Les infections asymptomatiques ne sont pas rares (**PLUS de 15%**) et particulièrement chez les plus âgés