

Table 2. Clinical Features Among Children Hospitalized for Community-acquired Pneumonia With and Without *Mycoplasma pneumoniae* (N = 2254)

Characteristic	<i>Mycoplasma pneumoniae</i> PCR-Positive ^a (n = 162)	<i>Mycoplasma pneumoniae</i> PCR-Negative ^b (n = 2072)	Unadjusted OR (95% CI)	P Value
Clinical presentation^c				
Fever/feverish	174 (96)	1885 (91)	2.2 (1.05–4.5)	.03
Cough	174 (96)	1960 (95)	1.2 (0.8–2.0)	.6
Fatigue	142 (78)	1425 (69)	1.6 (1.1–2.2)	<.01
Lack of appetite	141 (77)	1542 (75)	1.2 (0.8–1.7)	.4
Dyspnea	121 (67)	1475 (71)	0.8 (0.6–1.1)	.3
Chills	102 (58)	729 (35)	2.3 (1.7–3.2)	<.01
Headache	87 (48)	425 (21)	3.5 (2.6–4.8)	<.01
Sore throat	86 (47)	582 (28)	2.3 (1.7–3.1)	<.01
Wheezing	82 (45)	1323 (63)	0.5 (0.4–.7)	<.01
Runny nose	80 (44)	1484 (72)	0.3 (0.2–.4)	<.01
Abdominal pain	76 (42)	427 (21)	2.7 (2.0–3.8)	<.01
Diarrhea	64 (35)	626 (30)	1.3 (0.9–1.7)	.2
Myalgia	62 (33)	366 (18)	2.5 (1.8–3.4)	<.01
Chest pain	50 (27)	436 (21)	1.4 (1.05–2.0)	.04
Chest retraction	46 (25)	263 (13)	0.4 (0.3–.6)	<.01
Underlying condition				
Any condition (>1 condition)	82 (48)	1066 (51)	0.8 (0.6–1.1)	.1
Asthma/reactive airway disease	55 (29)	700 (34)	0.9 (0.6–1.2)	.3
Preterm birth ^d	621 (28)	201/989 (20)	1.6 (0.5–4.1)	.4 ^e
Congenital heart disease	14 (8)	147 (7)	1.1 (0.5–1.8)	.8
Neurological disorder	11 (6)	180 (9)	0.7 (0.4–1.3)	.2
Chromosomal disorder	16 (8)	112 (5)	1.7 (1.0–2.8)	.06
Examination findings at presentation				
Decreased breath sounds	114 (62)	842 (41)	2.4 (1.8–3.2)	<.01
Rales	110 (60)	814 (39)	2.4 (1.7–3.2)	<.01
Tachypnea ^f	78 (43)	740 (36)	1.4 (1.0–1.9)	.05
Documented fever ^g	67 (36)	1023 (49)	0.6 (0.5–.8)	<.01
Hyperoxia ^h	77 (43)	788 (37)	1.3 (0.9–1.7)	.2
Chest indrawing	55 (29)	1172 (57)	0.3 (0.2–.5)	<.01
Rhonda	49 (27)	881 (41)	0.5 (0.4–.7)	<.01
Wheezing	46 (25)	875 (42)	0.5 (0.3–.7)	<.01
Radiographic findingsⁱ				
Consolidation	108 (52)	1270 (52)	1.0 (0.8–1.4)	.8
Single lobe infiltrate	59 (29)	524 (25)	1.4 (1.0–2.0)	.01
Multilobe infiltrates	42 (23)	573 (28)	0.8 (0.5–1.1)	.2
Multilobe infiltrates (unilateral)	20 (11)	165 (7)	1.5 (0.9–2.5)	.09
Multilobe infiltrates (bilateral)	22 (12)	420 (20)	0.5 (0.3–.8)	<.01
Plural effusion	48 (26)	244 (12)	2.7 (1.9–3.9)	<.01
Complicated bronchovits	21 (12)	670 (32)	0.3 (0.2–.5)	<.01
Hilar lymphadenopathy	18 (10)	114 (5)	1.9 (1.1–3.2)	.02
Laboratory findings				
Abnormal WBC count^j				
Leukopenia	2/160 (1)	99/7074 (0)	0.2 (0.05–.8)	.03
Leukocytosis	43/160 (25)	462/7074 (7)	0.9 (0.6–1.3)	.6
Abnormal platelet count^k				
Thrombocytopenia	6/160 (4)	73/1681 (4)	0.9 (0.4–2.0)	.7
Thrombocytosis	15/160 (9)	162/1681 (11)	0.9 (0.5–1.5)	.6
Hyponatremia ^l	12/116 (11)	125/1352 (9)	1.2 (0.6–2.3)	.6
Severity of illness				
ICU admission	21 (12)	431 (21)	0.5 (0.3–.8)	<.01
Invasive mechanical ventilation	2 (1)	143 (7)	0.2 (0.1–.7)	<.01
Length of stay, d, median (IQR)	3 (0–4)	3 (0–4)		.1 ^m
Antibiotics				
Receipt of an outpatient antibiotic	30 (53)	482 (23)	3.2 (2.4–4.4)	<.01
Receipt of antibiotics prior to admission within 5 d	64 (35)	328 (16)	2.9 (2.0–3.9)	<.01

細かいので原文を参照ください。つまりMPとその他の肺炎とは症状からは鑑別が出来ません。

Table 2. Continued

Characteristic	<i>Mycoplasma pneumoniae</i> PCR-Positive ^a (n = 182)	<i>Mycoplasma pneumoniae</i> PCR-Negative ^b (n = 2072)	Unadjusted OR (95% CI)	P Value
Penicillins	44/64 (69)	173/338 (51)	Reference	
Cephalosporins	13/64 (20)	101/338 (30)	0.5 (.3–1.0)	.05
Macrolides	7/64 (11)	56/338 (17)	0.5 (.2–1.2)	.1
Inpatient antibiotics	175 (96)	1794 (87)	3.9 (1.8–8.3)	<.01
Macrolides ^c	75/175 (43)	351/1794 (20)	2.3 (1.6–3.3)	<.01
Penicillins	72/175 (41)	776/1794 (43)	Reference	
Cephalosporin	27/175 (15)	639/1794 (36)	0.5 (.3–.7)	<.01

Data are presented as No. (%) unless otherwise indicated.

Abbreviations: CI, confidence interval; ICU, intensive care unit; IQR, interquartile range; OR, odds ratio; PCR, polymerase chain reaction; WBC, white blood cell.

^aRadiographically confirmed community-acquired pneumonia (CAP) in a patient enrolled in the Etiology of Pneumonia in the Community (EPIC) study with a positive *Mycoplasma pneumoniae* PCR result.

^bRadiographically confirmed CAP in a patient enrolled in the EPIC study with a negative *Mycoplasma pneumoniae* PCR result.

^cClinical presentation is based on patient history.

^dOnly for those children <2 years of age.

^eFisher exact test.

^fTachypnea: For children <2 months: >60 breaths/minute; 2 months to <12 months: >50 breaths/minute; 12 months to 5 years: >40 breaths/minute; >5 years: >25 breaths/minute were considered as abnormal.

^gTemperature $\geq 38.0^{\circ}\text{C}$ or $\geq 100.4^{\circ}\text{F}$.

^hHypoxia: Oxygen saturation rate <92% on admission using pulse oximetry on room air or requirement of supplemental oxygen at the time of presentation.

ⁱThe radiographic findings are not mutually exclusive and could overlap.

^jThirty-two (30%) of the *Mycoplasma pneumoniae* CAP children with a consolidation had a codetection.

^kFor children <5 years old, WBC count >15000/ μL or <5500/ μL and for children ≥ 5 years old, WBC count >11000/ μL or <3000/ μL was considered abnormal.

^lPlatelet count of <150000 cells/ μL or >500000 cells/ μL was considered abnormal.

^mFor children <1 year of age, serum sodium <130 U/L and for those >1 year of age, serum levels of <135 U/L were considered abnormal.

ⁿWilcoxon 2-sample test.

^oMacrolides received as inpatient treatment: azithromycin 74 (99%); clarithromycin: 1 (1%).

Table 3. Characteristics^a Associated With *Mycoplasma pneumoniae* Among US Children (<18 Years) Hospitalized for Community-acquired Pneumonia in Multivariate Analysis

Characteristic	Adjusted OR (95% CI)	P Value
Age, y		
2–4	Reference group	
5–9	6.4 (3.4–12.1)	<.01
10–17	10.7 (5.4–21.1)	<.01
Hilar lymphadenopathy	3.1 (1.6–5.8)	<.01
Receipt of antibiotics prior to admission within 5 d	2.3 (1.5–3.5)	<.01
Rales	2.2 (1.5–3.2)	<0.01
Codetected pathogens	2.1 (1.4–3.3)	<.01
Headache	1.6 (1.04–2.5)	.03
Sore throat	1.6 (1.1–2.3)	.03
Decreased breath sounds	1.5 (1.01–2.2)	.04
Wheezing (symptom)	0.6 (.4–.9)	<.01
Runny nose	0.6 (.4–.8)	<.01
Study site (Salt Lake City)	0.5 (.4–.8)	<.01
Chest pain	0.4 (.3–.7)	<.01

Abbreviations: CI, confidence interval; OR, odds ratio.

^aFor this analysis, only children who had specimens tested for both bacteria and viruses were included. Variables that were tested in the model but did not reach significance: sex; clinical presentation of fever/feverish, fatigue, chills, abdominal pain, myalgia, dyspnea; examination findings on presentation: hypoxia, rhonchi, wheezing, chest indrawing, tachypnea, chest retraction; radiographic findings: single and multiple lobar infiltrate, pleural effusion; comorbid condition: chromosomal disorder; household size; interaction between age and codetection.