

Table 2. Main characteristics of cases hospitalized with LRI in New Caledonia and matched controls

Characteristics	All cases			<i>p</i> ^a	Matched cases and controls		<i>p</i> ^b
	LRI (<i>n</i> = 108)	Bronchiolitis (<i>n</i> = 69)	Pneumonia (<i>n</i> = 39)		Cases (<i>n</i> = 22)	Controls (<i>n</i> = 22)	
Age in months ^c , mean (range)	18.1 (1-133)	7.2 (1-44)	37.5 (3-133)	<0.001	19 (2-55)	19.1 (3-53)	0.98
Age group in months	<i>n</i> = 108	<i>n</i> = 69	<i>n</i> = 39	<0.001	<i>n</i> = 22	<i>n</i> = 22	
0-5	41 (38%)	37 (53.6%)	4 (10.3%)		4 (18.2%)	4 (18.2%)	1
6-23	41 (38%)	29 (42%)	12 (30.8%)		12 (54.5%)	12 (54.5%)	1
24-59	19 (17.6%)	3 (4.3%)	16 (41%)		6 (27.3%)	6 (27.3%)	1
≥60	7 (6.5%)	0 (0%)	7 (17.9%)		0 (0%)	0 (0%)	NA
Male gender	69 (63.9%)	47 (68.1%)	22 (56.4%)	0.22	15 (68.2)	13 (59.1%)	0.75
Children diagnosed with severe infection	69 (64.5%)	48 (69.6%)	21 (55.3%)	0.10	17 (77.3%)	NA	NA
PCT level, ng/mL, median (IQR)	0.155 (0.6)	0.1 (0.24)	0.64 (1.68)	0.0001 ^d	0.17 (0.29)	NA	NA
Ethnicity	<i>n</i> = 106	<i>n</i> = 68	<i>n</i> = 38	0.6	<i>n</i> = 22	<i>n</i> = 22	
Melanesian	68 (64.1%)	43 (63.2%)	25 (65.8%)		14 (63.6%)	7 (31.8%)	0.07
European	8 (7.5%)	7 (10.3%)	1 (2.6%)		2 (9.1%)	6 (27.3%)	0.24
Polynesian (Wallisian or Tahitian)	21 (18.9%)	12 (17.6%)	9 (21%)		4 (18.2%)	3 (13.6%)	1
People of mixed ethnicity	7 (6.6%)	5 (7.4%)	2 (5.3%)		1 (4.5%)	6 (27.3%)	0.09
Indonesian	2 (2.8%)	1 (1.5%)	1 (5.3%)		1 (4.5%)	0 (0%)	1
Lifestyle	<i>n</i> = 107	<i>n</i> = 69	<i>n</i> = 38	0.24	<i>n</i> = 22	<i>n</i> = 22	
Urban	55 (51.4%)	38 (55.1%)	17 (44.7%)		12 (54.5%)	16 (72.7%)	0.35
Rural	52 (48.6%)	31 (44.9%)	21 (55.3%)		10 (45.4%)	6 (27.3%)	0.35
Life in tribal village	38/107 (35.5%)	23/69 (33.3%)	15/38 (39.5%)	0.33	3/22 (13.6%)	3/22 (13.6%)	1
Prior medical condition	<i>n</i> = 107	<i>n</i> = 69	<i>n</i> = 38	0.14	<i>n</i> = 22	<i>n</i> = 21	
Asthma	25 (23.4%)	13 (18.8%)	12 (31.6%)		6 (27.3%)	2 (9.5%)	0.24
Prematurity	16 (15%)	12 (17.4%)	4 (10.5%)		1 (4.5%)	2 (9.5%)	0.61
Other	8 (7.5%)	4 (5.8%)	4 (10.5%)		2 (9.1%)	1 (4.8%)	1
Passive smoking	57/102 (55.9%)	36/66 (54.5%)	21/36 (58.3%)	0.5	14/22 (63.6%)	5/19 (26.3%)	0.03
Number of children living under the same roof	<i>n</i> = 98	<i>n</i> = 62	<i>n</i> = 36	0.14	<i>n</i> = 21	<i>n</i> = 20	
1	32 (32.7%)	22 (35.5%)	10 (27.7%)		9 (42.9%)	7 (35%)	0.75
2	20 (20.4%)	16 (25.8%)	4 (11.1%)		5 (23.8%)	7 (35%)	0.51
3	21 (21.4%)	10 (16.1%)	11 (30.6%)		4 (19%)	4 (20%)	1
≥4	25 (25.5%)	14 (22.6%)	11 (30.6%)		3 (14.3%)	2 (10%)	1
Vaccinations in children aged 6 months - 5 years	<i>n</i> = 60	<i>n</i> = 32	<i>n</i> = 28		<i>n</i> = 17	<i>n</i> = 16	
Children given 3 doses of PCV7	47 (78.3%)	25 (78.1%)	22 (78.6%)	0.39	12 (70.6%)	13 (81.2%)	0.67
Children given 3 doses of Hib vaccine	55 (91.7%)	29 (90.6%)	26 (92.9%)	0.56	16 (94.1%)	15 (93.7%)	1
Vaccinations in children aged 2 years - 5 years	<i>n</i> = 18	<i>n</i> = 2	<i>n</i> = 16		<i>n</i> = 6	<i>n</i> = 5	
Children given 4 doses of PCV7	12 (66.7%)	2 (100%)	10 (62.5%)	0.53	3 (50%)	4 (80%)	0.55
Children given 4 doses of Hib vaccine	16 (88.9%)	2 (100%)	14 (87.5%)	0.16	6 (100%)	4 (80%)	0.45
Specimens collected							
Acute serum	94/108 (87%)	61/69 (88.4%)	33/39 (84.6%)	0.58	18/22 (81.8%)	17/22 (77.3%)	1
Convalescent serum	50/108 (46.3%)	29/69 (42%)	21/39 (53.8%)	0.24	11/22 (50%)	6/22 (27.3%)	0.22
NPA / NPFS	106/108 (98.1%)	68/69 (98.5%)	38/39 (97.4%)	0.68	22/22 (100%)	21/22 (95.5%)	1
IS	99/108 (91.7%)	65/69 (94.2%)	34/39 (87.2%)	0.18	21/22 (95.5%)	NA	NA
Good quality IS	26/99 (26.3%)	17/65 (26.1%)	9/34 (26.5%)	0.97	4/21 (19%)	NA	NA
Blood culture	107/108 (99.1%)	69/69 (100%)	38/39 (97.4%)	0.36	21/22 (95.5%)	NA	NA
Urine	93/108 (86.1%)	58/69 (84%)	35/39 (89.7%)	0.41	20/22 (90.9%)	NA	NA

NOTE. Data are no. (%) of patients, unless otherwise indicated. LRI, lower respiratory infection; IQR, interquartile range; NA, not applicable, PCV7, 7-valent pneumococcal conjugate vaccine; Hib, *Haemophilus influenzae* type b; NPA, naso-pharyngeal aspiration, NPFS, naso-pharyngeal flocced swabs; IS, induced sputum.

^a *p* value (Chi2 or Fisher's Exact Test) is given for comparison between bronchiolitis and pneumonia.

^b *p* value (Fisher's Exact Test) is given for comparison between bronchiolitis and pneumonia.

^c The median age of the patients was 8.5 months.

^d Wilcoxon test