

Supplementary Table S1: Description of pertussis cases per year, from 2017 to 2020

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| | 2017 | | 2018 | | 2019 | | 2020 | |
|--|-----------------------------|-----|-----------------------|-----|-------------------------|-----|------------------------|-----|
| | N | % | N | % | N | % | N | % |
| Total | 46 | | 29 | | 46 | | 11 | |
| Laboratory confirmed case | 39 | 85 | 23 | 79 | 38 | 83 | 9 | 82 |
| Epidemiological case | 7 | 15 | 6 | 21 | 8 | 17 | 2 | 18 |
| Clinical description | | | | | | | | |
| Age : median in years (min – max in years, m for months; IQR in years) | 17.5 (2m – 80; 35.75) | | 31 (4 – 75; 34) | | 37 (2 – 75; 37.5) | | 18 (3m – 87; 43) | |
| Sex (female) | 29 | 63 | 20 | 69 | 28 | 61 | 6 | 55 |
| Fever | 18 | 39 | 7 | 25 | 6 | 14 | 3 | 27 |
| Hospitalization | 3 | 7 | 0 | 0 | 0 | 0 | 1 | 9 |
| Cough | 46 | 100 | 29 | 100 | 46 | 100 | 11 | 100 |
| Characteristics of the cough* | | | | | | | | |
| Predominantly nocturnal | 36 | 78 | 24 | 83 | 34 | 81 | 7 | 64 |
| Cough with cough attacks | 45 | 98 | 29 | 100 | 41 | 89 | 7 | 64 |
| Cough with frequent post-cough vomiting | 14 | 31 | 10 | 34 | 12 | 27 | 3 | 27 |
| Cough leading to difficult breathing | 19 | 41 | 12 | 41 | 20 | 44 | 3 | 27 |
| Cough with cyanosis | 1 | 2 | 1 | 4 | 1 | 2 | 2 | 18 |
| Whooping cough | 6 | 14 | 4 | 14 | 14 | 31 | 3 | 27 |
| Apnea | 7 | 16 | 4 | 14 | 3 | 7 | 1 | 10 |
| Immunization status | | | | | | | | |
| Not vaccinated | 17 | 44 | 11 | 44 | 19 | 51 | 7 | 64 |
| Vaccinated | 22 | 56 | 14 | 56 | 18 | 49 | 4 | 36 |
| Characteristics of vaccinated cases | | | | | | | | |
| Unknown number of doses | 7 | 32 | 4 | 29 | 7 | 39 | 3 | 75 |
| Number of doses known | 15 | 68 | 10 | 71 | 11 | 61 | 1 | 25 |
| 1 dose (n/number of doses known) | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 doses (n/number of doses known) | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 |
| 3 doses (n/number of doses known) | 4 | 27 | 2 | 20 | 2 | 18 | 0 | 0 |
| 4 doses (n/number of doses known) | 5 | 33 | 2 | 20 | 5 | 45 | 1 | 100 |
| > 4 doses (n/number of doses known) | 5 | 33 | 6 | 60 | 3 | 27 | 0 | 0 |
| Biology | | | | | | | | |
| Culture prescribed | 3 | 7 | 1 | 4 | 1 | 2 | 1 | 9 |
| Culture performed (n/prescribed) | 3 | 100 | 1 | 100 | 1 | 100 | 1 | 100 |
| Culture positive (n/performed) | 3 | 100 | 1 | 100 | 1 | 100 | 1 | 100 |
| PCR prescribed | 40 | 87 | 25 | 86 | 38 | 84 | 9 | 82 |
| PCR performed (n/prescribed) | 39 | 100 | 24 | 96 | 38 | 100 | 9 | 100 |
| PCR positive (n/performed) | 36 | 92 | 22 | 92 | 37 | 97 | 8 | 89 |

Missing data for 2017: 1 (2%) for 'Cough with frequent post-cough vomiting', 4 (9%) for 'Cough with cyanosis', 4 (9%) for 'Whooping cough', 3 (7%) for 'Apnea', 7 (15%) for immunization status, 7 out of 22 (32%) for number of vaccine doses, 1 (2%) for PCR performed, 1 (2%) for culture prescription

Missing data for 2018: 1 (3%) for fever, 1 (3%) for hospitalization, 3 (10%) for 'Cough with cyanosis', 1 (3%) for 'Whooping cough', 1 (3%) for 'Apnea', 4 (14%) for immunization status, 4 out of 14 (29%) for number of vaccine doses, 1 (3%) for culture prescription

Missing data for 2019: 2 (4%) for fever, 3 (7%) for hospitalization, 4 (9%) for 'Predominantly nocturnal cough', 1 (2%) for 'Cough with frequent post-cough vomiting', 1 (2%) for 'Cough leading to difficult breathing', 1 (2%) for 'Cough with cyanosis', 1 (2%) for 'Whooping cough', 3 (7%) for 'Apnea', 9 (20%) for immunization status, 7 out of 18 (39%) for number of vaccine doses, 1 (2%) for PCR prescription, 3 (7%) for culture prescription

Missing data for 2020: 1 (9%) for 'Apnea', 3 out of 4 (75%) for number of vaccine doses

* Several characteristics can describe a same case, so the sum of characteristics exceeds the total number of cases