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Geographical and epidemiological characteristics of sporadic coronavirus disease 2019 outbreaks from June to December 2020 in China: an overview of environment-to-human transmission events

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**Table 1 The epidemiological data for confirmed cases on the early periods of second wave coronavirus outbreaks in Beijing**

| patient No. | Age (years) | Sex | Epidemiology History (Have been to XFD market) | SARS-CoV2 RT-PCR result | symptom date | Days from symptom onset to nasopharyngeal swab | Symptoms at disease onset                                     | Epidemiology data                 | Confirmed date |
|-------------|-------------|-----|--|-------------------------|--------------|--|---|-----------------------------------|----------------|
| 1           | 52          | M   | 6/3  | Positive                | 6/6          | 5  | Fever   | market worker                     | 6/11           |
| 2           | 25          | M   | 6/5  | Positive                | 6/9          | 3  | Fever, cough  | Covid-19 investigator             | 6/12           |
| 3           | 37          | M   | 6/7  | Positive                | 6/9          | 3  | Throat itch, cough  | bought groceries                  | 6/12           |
| 4           | 38          | M   | 6/5  | Positive                | 6/9          | 3  | fever, headache   | bought frozen shrimp and crawfish | 6/12           |
| 5           | 50          | M   | 6/4, 6/5                                       | Positive                | 6/6          | 6  | fever, cough  | bought lamb                       | 6/12           |
| 6           | 35          | M   | 6/4  | Positive                | 6/10         | 2  | cough   | bought lamb                       | 6/12           |
| 7           | 27          | F   | residence staff                                | Positive                | 6/9          | 3  | cough   | market worker                     | 6/12           |
| 8           | 35          | M   | residence staff                                | Positive                | 6/8          | 4  | fever, cough , running nose, fatigue, headache, body soreness | market worker                     | 6/12           |
| 9           | 34          | F   | close contact with XFD                         | Positive                | 6/8          | 4  | fatigue, muscular soreness                                    | close contact with XFD            | 6/12           |
| 10          | 58          | F   | Went to XFD almost every day                   | Positive                | 6/7          | 4  | fever, chills, running nose                                   | bought groceries                  | 6/11           |
| 11          | 56          | M   | 6/4  | Positive                | 6/9          | 1  | Muscular soreness, fever                                      | bought aquatic products, fruits   | 6/10           |

|    |    |   |                               |          |      |   |   |                                 |      |
|----|----|---|-------------------------------|----------|------|---|---|---------------------------------|------|
| 12 | 51 | M | 6/4                           | Positive | 6/7  | 5 | Dizziness, fatigue, pharyngalgia        | bought aquatic products, fruits | 6/12 |
| 13 | 46 | F | residence staff               | Positive | 6/10 | 2 | dizziness, fever, nausea                | market worker                   | 6/12 |
| 14 | 32 | M | residence staff               | Positive | -    | - | None Symptom                            | market worker                   | 6/12 |
| 15 | 28 | F | residence staff               | Positive | -    | - | None Symptom                            | market worker                   | 6/12 |
| 16 | 43 | F | residence staff               | Positive | 6/9  | 3 | body soreness, chills, shiver, diarrhea | market worker                   | 6/12 |
| 17 | 44 | M | residence staff               | Positive | 6/10 | 2 | throat hurt, cough                      | market worker                   | 6/12 |
| 18 | 41 | M | 6 times to XFD from 5/28-6/11 | Positive | 6/11 | 1 | fever, headache                         | bought beef and lamb            | 6/11 |
| 19 | 43 | M | residence staff               | Positive | 6/4  | 8 | headache, fatigue                       | market worker                   | 6/12 |
| 20 | 38 | F | residence staff               | Positive | -    | - | None Symptom                            | market worker                   | 6/12 |
| 21 | 42 | F | residence staff               | Positive | -    | - | None Symptom                            | market worker                   | 6/12 |
| 22 | 32 | M | residence staff               | Positive | 6/11 | 1 | Throat ache                             | market worker                   | 6/12 |
| 23 | 54 | M | residence staff               | Positive | 6/8  | 4 | chills, fever                           | market worker                   | 6/12 |
| 24 | 56 | M | 6/3                           | Positive | 6/5  | 7 | chills, headache, fever                 | bought groceries                | 6/12 |
| 25 | 27 | M | residence staff               | Positive | 6/11 | 1 | cough, chills, expectoration            | market worker                   | 6/12 |
| 26 | 38 | M | residence staff               | Positive | 6/10 | 2 | cough, throat itch, sneeze              | market worker                   | 6/12 |

|    |    |   |  |          |      |   |   |                  |      |
|----|----|---|--|----------|------|---|---|------------------|------|
| 27 | 28 | M | residence<br>staff   | Positive | 6/10 | 2 | fever   | market worker    | 6/12 |
| 28 | 27 | F | residence<br>staff   | Positive | 6/4  | 8 | running nose,<br>sneeze, fatigue,<br>muscular<br>soreness | market worker    | 6/12 |
| 29 | 35 | F | residence<br>staff   | Positive | 6/11 | 1 | dizziness, chills   | market worker    | 6/12 |
| 30 | 49 | F | residence<br>staff   | Positive | -    | - | None Symptom  | market worker    | 6/12 |
| 31 | 46 | F | 6/6  | Positive | 6/11 | 1 | muscular<br>soreness, fever                               | bought groceries | 6/12 |
| 32 | 31 | F | Her husband<br>had multiple<br>exposures at<br>XFD, she<br>doesn't | Positive | 6/8  | 4 | fever, fatigue,<br>sneeze, running<br>nose, diarrhea.     | -                | 6/12 |
| 33 | 61 | F | residence<br>staff   | Positive | 6/10 | 2 | dry throat,<br>fever                                      | market worker    | 6/12 |
| 34 | 46 | F | residence<br>staff   | Positive | -    | - | Insomnia  | market worker    | 6/12 |
| 35 | 50 | F | residence<br>staff   | Positive | 6/10 | 2 | dry throat  | market worker    | 6/12 |
| 36 | 33 | F | residence<br>staff   | Positive | -    | - | None Symptom  | market worker    | 6/12 |
| 37 | 29 | M | residence<br>staff   | Positive | -    | - | None Symptom  | market worker    | 6/12 |
| 38 | 25 | M | residence<br>staff   | Positive | -    | - | None Symptom  | market worker    | 6/12 |
| 39 | 34 | F | residence<br>staff   | Positive | -    | - | None Symptom  | market worker    | 6/12 |
| 40 | 50 | F | residence<br>staff   | Positive | -    | - | None Symptom  | market worker    | 6/12 |

|    |    |   |                    |          |      |    |                          |                                      |      |
|----|----|---|--------------------|----------|------|----|--------------------------|--------------------------------------|------|
| 41 | 38 | F | residence<br>staff | Positive | -    | -  | None Symptom             | market worker                        | 6/12 |
| 42 | 35 | F | residence<br>staff | Positive | -    | -  | None Symptom             | market worker                        | 6/12 |
| 43 | 48 | M | residence<br>staff | Positive | 6/13 | -1 | headache                 | market worker                        | 6/12 |
| 44 | 27 | M | residence<br>staff | Positive | -    | -  | None Symptom             | market worker                        | 6/12 |
| 45 | 42 | M | residence<br>staff | Positive | -    | -  | None Symptom             | market worker                        | 6/12 |
| 46 | 47 | F | 6/3                | Positive | 6/11 | 1  | Fever                    | bought groceries                     | 6/12 |
| 47 | 57 | M | -                  | Positive | 6/10 | 3  | Intolerance of<br>cold   | -                                    | 6/13 |
| 48 | 37 | M | 6/4                | Positive | 6/8  | -  | Feeling<br>uncomfortable | bought groceries                     | -    |
| 49 | 35 | F | -                  | Positive | 6/12 | 0  | fever                    | close contact with<br>patient No. 48 | 6/12 |