

- 1 Supplementary material
- 2 **Epidemiological questionnaire.** Interview guide for personnel in charge of the phone line
- 3 specific for COVID-19 cases and contacts, set up by the Health Secretariat of the Municipality
- 4 of San Antonio de Areco, Buenos Aires Province, Argentina.

Question Categories	Specific Questions: Possible answers
Date of first contact	DD/MM/YYYY
Personal Data	Last name First and middle name Gender: Female/Male/Other Age (in years) National Identification Number Phone number Place of residence Number of co-inhabitants
Clinical information	Onset of symptoms date: DD/MM/YYYY List of symptoms: Symptoms according to case definition determined by national guidelines ¹⁸ Asymptomatic: Yes or no Presence of co-morbidities: Diabetes, hypertension, overweight, obesity, respiratory disease, pregnancy, or none
Epidemiological background	Occupation: Housewife, individuals who care for elders, employee with attention to the public, employee without attention to the public, cleaning staff, student, babysitter, factory worker, industrial plant workers, education staff, healthcare worker, civil defense employee, firefighter, private security personnel, driver of public transport or governmental entity, rural worker, retired employee, unemployed, other. Place of work Possible exposure background Travel to COVID-19 risk area: Yes/No Possible infection in center for the elderly or disabled Close contact of a COVID-19 confirmed case* Unknown source of infection Positive due to routine pre-surgery test Positive during regular surveillance Other
Case information	Last name First and middle name Home/Family Work Social event

	School Other Healthcare coverage Private health insurance Exclusive public healthcare
Action to take	Isolation Appointment for nasopharyngeal swab Call back Other

5 *If the person is a contact of a confirmed case, continue to the “Case information” section.

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- 21 **Supplementary Table 1.** Case and contact definitions used during the health intervention for
 22 active surveillance and mitigation of SARS-CoV-2 in San Antonio de Areco, Buenos Aires,
 23 Argentina.

Term	Definition
Suspected case	<ul style="list-style-type: none"> - Any person, regardless of age, who presented two or more of the following symptoms: Fever ($\geq 37.5^{\circ}\text{C}$), cough, odynophagia, difficulty breathing, headache, diarrhoea or vomiting, or - any person with sudden loss of taste or smell with no other cause, or - any at risk person* with at least one of the following symptoms: Fever ($\geq 37.5^{\circ}\text{C}$), cough, odynophagia, difficulty breathing, sudden loss of taste or smell.¹⁸
Symptomatic compatible case not included in the definition of a suspected case	Any patient not presenting all the characteristics of a suspected case, but presenting one of the symptoms described for COVID-19, including fever or chills, dry cough, shortness of breath or difficulty breathing, fatigue, muscle or body aches, headache, new loss of taste or smell, sore throat, congestion or runny nose, nausea or vomiting, or diarrhoea.
Confirmed case	Any case with a positive RT-PCR for SARS-CoV-2.
Close cohabiting contact	A person that lives in the same household as a confirmed case.
Close work contact	A person in contact with a confirmed case at work at any moment without the use of a face mask.
Work contact	A person in contact with a confirmed case at work in compliance with security measures.
High-risk social contact	Incidental contact with a confirmed case for more than 15 minutes

	or without the use of a face mask or less than 2 meters distance.
Low-risk incidental contact	Incidental contact with a confirmed case for less than 15 minutes or outdoors with the use of a face mask.

24 *Healthcare worker, lives or works in closed institutions (penitentiary institutions, residences
25 for the elderly, mental institutions, children’s homes), essential personnel (military personnel,
26 caretakers), are vulnerable population due to their living conditions, indigenous populations,
27 or close contact of a confirmed case and presented at least one symptom within the following
28 14 days since contact.¹⁸

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43 **Supplemental Table 2.** At risk-groups individuals under routine epidemiological surveillance,
 44 district of San Antonio de Areco, Buenos Aires Province, Argentina: characteristics, criteria and
 45 frequency of testing. Analysis of all the samples were performed in the laboratory of the
 46 Hospital de Clínicas located in Buenos Aires City.

Population	Employer	Criteria	Frequency of testing/ Type of sample
Healthcare workers	Municipality	Travels to or lives in an area with community transmission	Weekly/ Pooled samples
		Resides and works in SAA	Weekly/ Pooled samples
Closed institution (homes for the elderly and residence for disabled individuals)	Municipality	All the personnel	Weekly/ Pooled samples
	Private	Individuals that work in more than one institution	Weekly/ Pooled samples
Patients undergoing surgery	NA	All patients with planned surgeries	Once/ Pooled samples
Workers under risk due to their occupation	Private	Based on the epidemiological context	Once/ Pooled samples
Symptomatic compatible case not	NA	Based on the epidemiological	Once/ Pooled samples or

included in the definition of a suspected case		context or type of contact	individually
Asymptomatic contacts of a confirmed case	NA	Based on the epidemiological context or type of contact	Once/ Pooled samples or individually

47 SAA: San Antonio de Areco. NA: Not applicable.

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