

# 2019 NOVEL CORONAVIRUS (COVID-19) EPIDEMIOLOGICAL SURVEILLANCE PROTOCOL

Ministry of Health & Wellness, Jamaica 23 January 2020 Updated 26 March 2020 (Version 16)



Website: www.moh.gov.jm

# 2019 NOVEL CORONAVIRUS (COVID-19) EPIDEMIOLOGICAL SURVEILLANCE PROTOCOL

#### **BACKGROUND**

Coronaviruses (CoV) are a large family of viruses that cause illnesses ranging from less severe disease, such as the common cold, to more severe diseases such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV). A novel coronavirus (nCoV) is a new strain that has not been previously identified in humans. Globally, novel coronaviruses emerge periodically in different areas, including SARS in 2002 and MERS in 2012<sup>1</sup>.

A novel (new) coronavirus, 2019 Novel Coronavirus (COVID-19), was identified in Wuhan City, Hubei Province, China in December 2019. The virus has caused significant morbidity and mortality in China and has spread to other countries.

Jamaica reported its first case of COVID-19 on the 10<sup>th</sup> of March 2020. Transmission Patterns for Jamaica include:

Date of Transmission Pattern Jamaica	Category	Definition
Up to March 9, 2020	No cases	Countries/territories/areas with no cases
March 10, 2020	Sporadic cases	Countries/territories/areas with one or more cases, imported or locally detected
March 14, 2020	Clusters of cases	Countries/territories/areas experiencing cases, clustered in time, geographic location and/or by common exposures
Not Applicable	Community transmission	Countries/area/territories experiencing larger outbreaks of local transmission defined through an assessment of factors including, but not limited to:  - Large numbers of cases not linkable to transmission chains  - Large numbers of cases from sentinel lab surveillance  - Multiple unrelated clusters in several areas of the country/territory/area

<sup>&</sup>lt;sup>1</sup> World Health Organization, 2020. Retrieved on January 20, 2020 from <a href="https://www.who.int/health-topics/coronavirus">https://www.who.int/health-topics/coronavirus</a>



Tel: (876) 633-7400/7433/7771/8172/8174 Website: www.moh.gov.jm

Jamaica's epidemiological surveillance system will be used to detect and report on potential cases of COVID-19. The components of this surveillance system which will be used and enhanced as necessary are:

- 1. The Class 1 Notification System (Case-based surveillance)
- 2. Sentinel Surveillance
- 3. Hospital Active Surveillance

The protocol below shall be adhered to for surveillance activities. There are five components to be considered in surveillance for the COVID-19. These are:

- A. Case Identification
- B. Case Reporting and Investigation (including contact tracing)
- C. Monitoring Community Transmission
- D. Specimen Collection and Testing
- E. Data Analysis and Interpretation
- F. Data Dissemination and Outputs

#### PURPOSE OF THESE GUIDELINES

To provide guidance on how to implement surveillance standards for COVID-19.

#### **OBJECTIVES**

The objectives of epidemiological surveillance of COVID-19 are:

- 1. To monitor trends of COVID- 19 in Jamaica
- 2. To establish epidemiological characteristics of COVID-19 infection in Jamaica
- 3. To inform risk assessment and decision-making.

Version 16 of the 2019 Novel Coronavirus (Covid-19) Surveillance Protocol includes the following updates:

- Updated case definitions
- Definition of transmission pattern
- Update on surveillance requirements
- Monitoring Community Transmission



Website: www.moh.gov.jm

#### A. CASE IDENTIFICATION

**COVID-19** by **Public Health Order** was made a **Class 1 Notifiable Disease** in March 2020.

#### **Case-based Surveillance**

#### Suspected Case<sup>2</sup>

✓ A person with acute respiratory illness (fever and at least ONE (1) sign or symptom of respiratory disease (e.g., Cough, Shortness of Breath)) AND a history of travel to or residence in a location reporting community transmission (see current WHO COVID-19 Situation Report) of COVID-19 disease during the 14 days prior to symptom onset.

#### OR

✓ A person with fever or any acute respiratory illness AND having been in contact (this includes Bedroom, Household, Health-Care Workers, Conveyance and Casual Contacts) with a confirmed or probable case of COVID-19 case, in the 14 days prior to the onset of illness.

#### SUSPECTED CASE

Fever + Respiratory Symptoms AND Travel History

<u>OR</u>

Fever **or** Respiratory Symptoms
AND
Contact with a Confirmed or Probable
Case

**OR** 

Fever + Respiratory Symptoms
AND
Hospitalization Needed
AND
No Alternative Diagnosis

#### OR

✓ A person with severe acute respiratory infection (fever and at least ONE (1) sign or symptom of respiratory disease (e.g., Cough, Shortness of Breath)) AND requiring hospitalization AND in the absence of an alternative diagnosis that fully explains the clinical presentation.

ACTION: NOTIFY PARISH HEALTH DEPARTMENT, ISOLATE, TAKE A SAMPLE AND COMPLETE CASE INVESTIGATION

<sup>&</sup>lt;sup>2</sup> World Health Organization, 2020 March 20. Global surveillance for COVID-19 caused by human infection with COVID-19 virus. Retrieved on March 24, 2020 from <a href="https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance/surveillance-and-case-definitions">https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance/surveillance-and-case-definitions</a>



# $\square$ RKA Building, 10-16 Grenada Way $\square$ 45-47 Barbados Avenue $\square$ 24-26 Grenada Crescent $\square$ 10<sup>A</sup> Chelsea Avenue KINGSTON 5, JAMAICA, W.I.

Tel: (876) 633-7400/7433/7771/8172/8174 Website: <u>www.moh.gov.jm</u>

#### **Probable Case<sup>2</sup>**

✓ A suspected case for whom testing for COVID-19 virus is inconclusive.

OR

✓ A suspected case for whom testing for COVID-19 could not be performed for any reason.

**ACTION: MAINTAIN ISOLATION** 

#### **Confirmed Case<sup>2</sup>**

✓ A person with laboratory confirmation of COVID-19 infection, irrespective of clinical signs and symptoms.

**ACTION: MAINTAIN ISOLATION** 



Website: www.moh.gov.jm

#### **B. CASE REPORTING AND INVESTIGATION**

#### **Notification**

COVID-19 is a Class 1 notifiable condition. This means all cases thought to be COVID-19 must be notified by the medical practitioner (public and private) within 24 hours of suspicion. Specifically, for COVID-19, the local Parish Health Department and National Surveillance Unit must be notified immediately. A Class 1 Notification Form must be submitted within 24 hours of initial notification.

The Parish Medical Officer (Health) or designate, upon receiving said notification must immediately activate the call-out cascade for health emergencies. The Ministry of Health and Wellness National Emergency Operations Centre (MOHW NEOC) should be alerted immediately, via the National Epidemiological Surveillance System to all notifications for COVID-19.

Clusters of visits for respiratory infections or undifferentiated fever must be notified by the medical practitioner (public and private) within 24 hours of suspicion. The local Parish Health Department or National Surveillance Unit must be notified immediately. A Class 1 Notification Form must be submitted within 24 hours of initial notification. Clusters should be investigated with cases being line listed.

#### **Investigation**

The Parish Medical Officer (Health) leads the case investigation team and must:

- Initiate case investigation within 24 hours of notification. A preliminary case or cluster investigation report must be submitted within 24 hours of this notification (Appendix 2).
- Immediately initiate community outbreak control measures, including contact tracing (Appendix 7), searching for other cases and line listing of all contacts using the Excel spreadsheet provided separately. Appendix 3 gives the fields required for said line-listing.



Tel: (876) 633-7400/7433/7771/8172/8174 Website: www.moh.gov.jm

#### **Contact Tracing<sup>3</sup>**

All contacts must be listed with the minimum dataset stated in Appendix 3. Risk assessment must be completed for all contacts.

Contacts should be classified as bedroom, household, health-care worker, conveyance or casual using the information in Appendix 7. The completed contact listing should be discussed with the MOHNEOC for a decision to be made regarding the type of quarantine.

- All close contacts (bedroom, household) will be placed in quarantine and observed daily for the development of symptoms. The period of quarantine and observation will end when a negative result for COVID-19 is received for a suspected case.
- All contacts of Probable and Confirmed COVID-19 cases will be placed in quarantine and observed daily for the development of symptoms for a period of 14 days after most recent contact.
- All contacts will be given explicit instructions (verbal and written) regarding the steps to be taken if symptoms develop.
- A record of the daily observation checks for contacts should be maintained at the Parish Health Department and daily reports submitted to the MOHW NEOC (Appendix 6).

<sup>&</sup>lt;sup>3</sup> A contact is a person who is involved in any of the following within 14 days after the onset of symptoms in the patient:

providing direct care for patients with COVID-19 disease without using proper personal protective equipment;

<sup>•</sup> staying in the same close environment as a COVID-19 patient (including sharing a workplace, classroom or household or being at the same gathering);

<sup>•</sup> travelling in close proximity with (that is, having less than 1 m separation from) a COVID-19 patient in any kind of conveyance.

Definition taken from Global Surveillance for COVID-19 disease caused by human infection with the 2019 novel coronavirus retrieved on 10 March 2020 from <a href="https://www.who.int/publications-detail/global-surveillance-for-human-infection-with-novel-coronavirus-(2019-ncov)">https://www.who.int/publications-detail/global-surveillance-for-human-infection-with-novel-coronavirus-(2019-ncov)</a>



Website: www.moh.gov.jm

#### C. MONITORING COUNTRY TRANSMISSION

#### **Sentinel Surveillance**

#### Severe Acute Respiratory Illness (SARI) Surveillance

✓ A person who presents with symptoms of a measured fever or history of fever and a cough with onset within the last 10 days or less AND who requires hospitalization for their illness.

ACTION: NOTIFY THE PARISH HEALTH DEPARTMENT AND TAKE A SAMPLE

#### ALL HOSPITALS TO REPORT SARI CASES

\*For Non SARI Sentinel Site – Please complete Laboratory Form in duplicate and submit a copy to the Parish Health Department/National Surveillance Unit (NSU). Ensure the information is as complete as possible. Testing of samples **WILL NOT** be done for samples without a Laboratory Form submitted to the NSU.

\*For SARI Sentinel Site – Please continue to report as per Ministry of Health and Wellness, Updated National Surveillance Manual, Section 13, June, 2019.

#### Influenza-Like Illness (ILI) Sentinel Surveillance

✓ A person who presents with symptoms of a measured fever or history of fever and a cough with onset within the last 10 days or less.

ACTION: NOTIFY THE PARISH HEALTH DEPARTMENT OF TOTAL CASES SEEN WEEKLY AND TAKE SAMPLES OF CASES BASED ON QUOTAS

#### 78 SENTINEL SURVEILLANCE SITES TO REPORT

Please complete Laboratory Form in duplicate and submit a copy to the Parish Health Department/NSU. Ensure the information is as complete as possible. Testing of samples **WILL NOT** be done for samples without a Laboratory Form submitted to the NSU.



Website: www.moh.gov.jm

#### **Hospital Active Surveillance**

#### Admitted Lower Respiratory Tract Infection (LRTI) / Pneumonia Surveillance

✓ A Person who presents with a lower respiratory tract infection with onset within the last 14 days or less AND who requires hospitalization for their illness.

ACTION: NOTIFY THE PARISH HEALTH DEPARTMENT AND TAKE A SAMPLE

#### ALL HOSPITALS TO REPORT ADMITTED LRTI / PNEUMONIA

Please complete Laboratory Form in duplicate and submit a copy to the Parish Health Department/NSU. Ensure the information is as complete as possible. Testing of samples **WILL NOT** be done for samples without a Laboratory Form submitted to the NSU.

#### **Health-Care Worker Surveillance**

#### **Health-Care Worker Surveillance**

✓ A Health-Care Worker who presents with a measured fever and a cough/shortness of breath with onset within the last 10 days or less.

This surveillance process is specific to HCWs who are caring for patients and have no known history of contact with a confirmed or probable COVID-19 case.

ACTION: NOTIFY (SELF OR FACILITY REPORT) THE PARISH HEALTH DEPARTMENT AND TAKE A SAMPLE

#### SELF OR FACILITY REPORTING

Please complete Laboratory Form in duplicate and submit a copy to the Parish Health Department/NSU. Ensure the information is as complete as possible. Testing of samples **WILL NOT** be done for samples without a Laboratory Form submitted to the NSU.

#### For All CONFIRMED COVID-19 CASES

Case Investigation & Contact Tracing is to be done.

A COVID-19 Case Investigation Form must be completed and submitted to the Parish Health Department/National Surveillance Unit.



Tel: (876) 633-7400/7433/7771/8172/8174 Website: www.moh.gov.jm

#### D. SPECIMEN COLLECTION AND TESTING

#### WHO<sup>4</sup> Laboratory Strategy Guideline based on Transmission Scenario

#### Transmission Scenario:

Most cases of local transmission linked to chains of transmission

#### Public Health Aim:

Stop transmission and prevent spread

#### **Testing Strategy Guidance:**

- Test all individuals meeting the suspected case definition
- Consideration in the investigation of cases and clusters of COVID-19
- Clinical management of severe acute respiratory infections when novel coronavirus is suspected
- SARI/ILI surveillance for COVID-19 and reporting

#### Specimens must be collected from the following persons:

- i. All Suspected Cases (as per the case definition above)
- ii. All symptomatic contacts of confirmed COVID-19 cases
- iii. All persons isolated in regard to COVID-19 infection
- iv. All SARI cases from ALL Hospitals
- v. All Admitted LRTI / Pneumonia from ALL Hospitals
- vi. ILI Sentinel Sites based on estimated weekly quotas (Appendix 8)
- vii. All health workers who present with a measured fever and cough of 10 days' duration or less

#### Samples will be tested for COVID-19 testing for the following persons:

- 1. All Suspected Cases (as per the case definition above)
- 2. All symptomatic contacts of confirmed COVID-19 cases
- 3. All persons isolated in regard to COVID-19 infection
- 4. All SARI cases from ALL Hospitals
- 5. All Admitted LRTI / Pneumonia from ALL Hospitals

<sup>&</sup>lt;sup>4</sup> World Health Organization, 2020 March 22. Laboratory testing strategy recommendations for COVID-19 Retrieved on March 24, 2020 from <a href="https://apps.who.int/iris/bitstream/handle/10665/331509/WHO-COVID-19-lab-testing-2020.1-eng.pdf">https://apps.who.int/iris/bitstream/handle/10665/331509/WHO-COVID-19-lab-testing-2020.1-eng.pdf</a>



Website: www.moh.gov.jm

- 6. Samples submitted from ILI Sentinel Sites based on estimated weekly quotas
- 7. All health workers who present with a measured fever and cough of 10 days' duration or less

#### Type of specimen

The recommended sample is a lower respiratory tract specimen (e.g., endotracheal aspirate, sputum or bronchoalveolar lavage). These specimens must be placed in a sterile container.

In cases where lower respiratory tract specimens could not be obtained, a nasopharyngeal aspirate (in a sterile container) OR combined nasopharyngeal and oropharyngeal swabs should be taken for testing (Appendix 4). Swabs should be collected with Dacron or polyester flocked swabs and placed in viral transport medium. **Avoid using cotton tipped swabs for specimen collection.** 

#### Labelling of specimens

All specimens must be labeled with:

- 1. Patient Name
- 2. Referring Facility
- 3. Date of Birth
- 4. Diagnosis: Suspected COVID-19
- 5. Date and time of sample collection

Specimens must be placed on ice at 4-8°C and transported <u>immediately</u> to the National Public Health Laboratory.

All specimens must be accompanied by a completed Jamaica Laboratory Investigation Form (see attached 5). Contact the Consultant Microbiologist (Tel. No. 876-317-8376) immediately to inform them of the sample.

Samples are <u>NOT</u> to be sent to private laboratories or directly to the University Hospital of the West Indies Laboratory.



Website: www.moh.gov.jm

#### E. DATA ANALYSIS AND INTERPRETATION

Review and analysis of surveillance data must be completed at all levels.

The Parish Medical Officer (Health) must ensure that Class 1 Notification Forms and Case Investigation Forms are forwarded simultaneously to the Regional Health Authorities and the National Surveillance Unit, within the timelines specified above. A line listing of all reported cases should be maintained at the parish health department along with contact listings for each case. Epidemic curves as well as age, sex and geographic distribution of cases must be maintained at the parish level.

The Regional Technical Director, in collaboration with the Regional Medical Epidemiologist, must ensure that the line and contact listings are maintained for each parish. The age, sex, and geographic distribution, as well as the severity of cases should be monitored. Depending on the situation, daily or weekly reports may be required.

The National Surveillance Unit will conduct analysis of national data, including the epidemiological profile of cases and the epidemic curves as the situation evolves. The National Surveillance Unit will prepare appropriate reports showing information on the patterns of disease within the population.

#### F. DATA DISSEMINATION AND OUTPUTS

The National Surveillance Unit will be responsible for forwarding the information obtained from national level analysis to the Ministry of Health and Wellness National Emergency Operations Centre (MOHW NEOC).

The National Surveillance Unit will inform the MOHW NEOC of any notified, suspected, probable and confirmed cases of novel coronavirus infection immediately upon identification of a suspected, probable, or confirmed case, by providing a minimum data set below.

#### **Minimum Dataset for each case**

- 1. ID#
- 2. Initials
- 3. Parish
- 4. Classification (Suspected/Confirmed)
- 5. Recent Travel History (Y/N)

- 6. Country of travel
- 7. Contact vs primary case
- 8. Isolated (Y/N)
- 9. Number of secondary cases identified



Tel: (876) 633-7400/7433/7771/8172/8174 Website: <u>www.moh.gov.jm</u>

#### **APPENDIX 1: CLASS 1 NOTIFICATION FORM**

#### CLASS 1 REPORTING FORM - INDIVIDUAL NOTIFICATION (ON SUSPICION)

Date of Report: /_	/(DD/MM/YY) NEW CASE / PREVIO	OUSLY REPORTED CASE (Cir	cie One)
Diagnosis:			
Case Demograph	ic Information		
Name (including pet name):		_ Sex: Age:	D.O.B / / (dd/mm/yy)
Address: Lot #: (Include Landmark)	Street (Name)	Street	Type:(Drive, Road, Close etc)
Community	Neighbouring Community/D	listrict:	Parish:
Workplace/School:		Occupation: History of overseas travel in pa	st 4-6 weeks? Y / N
(H) Phone #:	(Wk) Phone #:	Specify area/country:	
Name of NOK/Parent:			
Address of NOK/Parent:		. Phone No.: —	
Clinical Informat	ion:		
Symptoms:		Hosp/Facility Name: Medical Record #:	
Date of onset:	i(dd/mm/yy) Date seen:i(dd/mm/yy)	Case admitted to Hosp?:	Y / N (Circle one)
Specimen Taken Specimen Date:	Y / N Type:	Date of Admission: Ward:	/ / (dd/mm/yy)
Result (s):		If dead, Date of Death:	// (dd/mm/yy)
Notifier Informat	ion		
Name of notifier:	Phone #: Email:	Received by MO(H) Parish MO(H) Signature	// (dd/mm/yy)
Address: Comments:	Enai:	Forwarded to R.S.O	/ (dd/mm/yy)
itrevek@91328		. Granded to currentance offi	Ministry of Health, Surveillance Unit, July 2015



#### □ RKA BUILDING, 10-16 GRENADA WAY □ 45-47 BARBADOS AVENUE □ 24-26 GRENADA CRESCENT □ 10<sup>A</sup> CHELSEA AVENUE KINGSTON 5, JAMAICA, W.I.

Tel: (876) 633-7400/7433/7771/8172/8174 Website: www.moh.gov.jm

#### **APPENDIX 2: CASE INVESTIGATION FORM**



#### 2019 Novel Coronavirus (COVID-19) Case Investigation Form

Date of Reporting:	e of Reporting: Region: Parish:									
	Doctor: Hospital / Site			Site:			Ward:			
								Ward:		
Hospital/Medical Record Number:		er:						NEW CASE	UPDATE	
Last Name:					Fire	t Nan	ne:			
Date of Birth:			Age	9:				Sex: MALE D FEMALE D		
Country of Residen	ice.		. Pi	arish:		Community.				
Street #:	Hospital/Medical Record Number: Last Name: Date of Birth: Country of Residence: Street #: Street Name: _									
								Admission Date:		
Epideilliologic Wes	ik of Offeet		GLINICALE	11001 01	management			Administration Date.		
					L PROFILE		IFILE			
History of Fever or Fever	aver 38°C /<10 de	aven)				Yes	No	Recorded temperature		**
Cough		No	Difficulty Brea	ething/Mh	eezino				Yes	
Rhinomhoea	Yes	No	Nausca/Yom		THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NA	Yes	No	Abnormal Lung Auscultations		- N
Sore Throat			Headache			Yes		The state of the s		
Shortness of Breath	Yes	No	Myalgia			Yes	No	Seizure	Yes	- N
Other, please specify:								Other, please specify:		
0				RISK F	ACTORS			to a consequence of the second		
Pregnancy	Yes	No	Lung Disease	including	COPD	Yes	No	Immunocompromised due to disease or treatment	Yes	N
If yes, Trimester	1.13	2 3	Asthma			Yes	No	HIV / AIDS	Yes	N
Diabotes Mollitus		No	Neurological	Discaso		Yes	No	Malignancy		_
Sickle Cell Disease	Yes	No	Liver Disease	ì		Yes	No	Other, please specify:		
Heart Disease	Yes	No	Ronal Discas	iù.		Yes	No			
		ш	EIIID	EMICLO	GICAL PRO	HILE				
Occupation Health Care	Worker Heal	th Labo						n□ Other, please specify:		
Close Contect with a pon					Animal C	ontact			$\Box$	
infection in the 14 days p	pnor to areat of s	ymptom	Yes	No	Warran and				Yes	No.
If yes, where: Home W	India Health Co.	m Sattio		No	If yes, pl	carec s	peoty:		YES	Nia
Other, please specify:										
Close Contact with Prob	able or Confirma	ed Case	e in				n the 1-	4 days prior to onset of	I = T	
the <b>14 days prior</b> to onse	t of symptoms				sympton	100			Yes	Nia
If yes, where: Home W	laries Health Co.	on Shout in	Yes	No	Contact	with tra	weler in	n past 14 days?	Yes	No
Other, please specify:	nearin Car	e settin	92	l	If yes, co	untry(i	ics) visi		7.00	NG
Visited any Health Facility	in the 14 days or	Gost Bo . T. c	100		Other:	sopartu	HE:		$\perp$	
of symptoms	an area ne danya pr	nar na de	- 1		Coner:					
			Yes	No	I					

A contact is a person: - Providing direct core for Conferend (Test Positive) Cases; working with health core workers infected with novel convocateus; whileog patients or stuying in the same class environment of a Positive patient, Working tagether in class proximity or sharing the same classroom environment with a Test Positive patient. Traveling tagether with a Test Positive patient in any kind of conveyance; Using in the same household as a Test Positive patient within a 14-day period after the asset of symptoms in the core under consideration.

Prepared by the National Surveillance Unit, Ministry of Health & Wellness

Revised- 2020/01/23



#### □ RKA BUILDING, 10-16 GRENADA WAY □ 45-47 BARBADOS AVENUE □ 24-26 GRENADA CRESCENT □ 10<sup>A</sup> CHELSEA AVENUE KINGSTON 5, JAMAICA, W.I.

Tel: (876) 633-7400/7433/7771/8172/8174

Website: www.moh.gov.jm



Т

	e 14 days before symptom onset, did	the patient:		-		
Spend time in China?				ПΥ	ΠN	☐ Unknown
IF Yest,						
Province	City	Departure Date				
Province	City	Departure Date				
Province	City	Departure Date				
Province	City	Departure Date				
Travel to another country (No If Yes,	st China)			ПΥ	□N	□ Unknown
Province/State	City	Departure Date				
Province/State	City	Departure Date				
		Departure Date				
Have close contact <sup>o</sup> with a pe	erson who is under investigation for 2019-nC	oV?		ПΥ	ΠN	□ Unknown
Have close contact <sup>3</sup> with a pr	erson with laboratory confirmed 2019-nCoV7			ПΥ	ΠN	□ Unknown
	borstory-confirmed 2019-nCoV case?			ПΥ	ΠN	□ Unknown
Was the case ill at the tim to the case a Jamaican ic				ПΥ	□N	□ Unknown
Is the case an internation				ΠY		☐ Unknown
Sample taken to Lab:		Date Sample Taken to La	ample b:	Take	en: _	
Laboratory Results:		ative 🗆 Virus: ative 🗅 Bacteria:				
Treatment Received				Patic	ent ve	entilated 🗆
laolated 🗆	Date:		Date:			
Discharged from Ho	epital 🗆 Date:					-
Final Diagnosis:		MO(H) Signature:				
Fener ( > 38 °C) may not be prese ared to guide testing of paties	nt in some patients, such as those who are very you ets to such situations	ng, elderly, knownowyganemed, or taking certain	medicatio	viz. Cli	vical /uc	Specient should be
the spine close environment of a	direct core for Conferend (Fest Positive) Cases; was Positive patient; Working tagether in class proximi wat to any kind of conveyance; Living in the same k	y or sharing the same classroom environment wi	th a Test P	bolther	polient	- Traveling

Prepared by the National Surveillance Unit, Ministry of Health & Wellness

Revised - 2020/01/23



#### Tel: (876) 633-7400/7433/7771/8172/8174 Website: www.moh.gov.jm

#### **APPENDIX 3: CONTACT LISTING**

#### **List of Fields for Contact Line Listing**

- A. Date of intake
- B. Name of Suspected/Confirmed Case
- C. Type of Contact
- D. Risk level
- E. Date of most recent contact
- F. First name
- G. Last name
- H. Date of Birth
- I. Current Age
- J. Sex at Birth
- K. Current Age
- L. Telephone number 1
- M. Next of Kin name
- N. Next of Kin telephone number
- O. Street Number
- P. Street Name
- Q. District
- R. Community
- S. Parish
- T. Landmark
- U. Symptomatic
- V. Date of onset of symptoms
- W. Comments



Tel: (876) 633-7400/7433/7771/8172/8174 Website: www.moh.gov.jm

#### APPENDIX 4: TAKING A NASOPHARYNGEAL SAMPLE

#### TAKING A NASOPHARYNGEAL SWAB

#### Ensure adherence to airborne precautions

Assemble equipment and forms

#### **RESOURCES NEEDED**

Viral or Universal Transport Medium

Synthetic swabs

Lab Investigation Form

Sown, N95 respirator, Eye Protection, Gloves

- Notify the Director, National Laboratory Service or Microbiologist at the National Public Health Laboratory
- Explain the procedure to the Patient
- Gain the patient's permission to perform the procedure
- Complete the Jamaica Laboratory Investigation Form
- Label Universal Transport Medium or Viral Transport Medium (VTM) tube
- Wash hands; put on gown, N95 respirator, eye protection, and gloves
- Have the patient evacuate mucous (if present) from both nostrils
- Tilt patient's head back 70 degrees
- Insert swab into nostril (to a depth equal to distance from nostrils to outer opening of the ears)
- Leave swab in place for several seconds to absorb secretions
- Slowly remove swab while rotating it swab both nostrils with the same swab
- Place tip of swab into the sterile UTM/VTM tube below the level of the liquid media.
- Break/Cut off the applicator stick at the scored point or to a length that allows it to fit the tube
- Seal the cap tightly on the UTM/VTM tube
- Place UTM/VTM tube on frozen cold pack
- Wash hands





Tel: (876) 633-7400/7433/7771/8172/8174 Website: <u>www.moh.gov.jm</u>

#### APPENDIX 5: JAMAICA: LABORATORY SURVEILLANCE INVESTIGATION FORM

1. Patient Information		5. Case/Spe	cimen S	tatus		
Last Name		☐ Single case	e 🗆 (	Outbreak	☐ Surve	y 🗆 Unknown
		6. Date of Or	nset of II	lness	7. Outc	ome
First Name		YYYY/MI	M/DD		Hospitali: Died?	zed? 🗆 Y 🗆 N 🗆 DK
Patient ID		8. Signs and	d Sympt	ome	Died:	
Gender□M □F Age	□ years □ months	_			→ (	Onset: YYYY/MM/DD
Date of Birth YYYY/MM/DD						Onset: YYYY/MM/DD
Street ##-						mset. TTTT////////DD
City/Parish		□ Pain → L	-			
Postal Code Tel:		☐ Haemorrha	agic symp	otoms → de	scribe	
Travel History □Y □N Country \	/isited:	□ Paralysis →	Location	n:	→ (	Inset: YYYY/MM/DD
2 Petering Peeter		☐ Altered men	tal state	☐ Hepatom	egaly	Chronic Conditions
2. Referring Doctor		☐ Chills ☐ Circulatory o	onlanca	☐ Jaundice		☐ Asthma ☐ Autoimmune disease
Consultant: Attending Dr.:		☐ Conjunctiviti		☐ Lymphad		☐ Cancer
Signature:		□ Convulsions		☐ Kemig's:	sign	□ Diabetes Mellitus
Reporting Address: HOSPI	ITAL / WARD	☐ Coryza ☐ Cough		□ Vomiting □ Weaknes		☐ HIV / AIDS
Tel:Fax:_		□ Diarrhoea		☐ Weight io		
Date Specimen Taken: YYYY/MI		☐ Fallure to the	rive	□ Other →	specify	
3. Provisional Diagnosis		9. Syndrom	nic Class	ification		
(eg. Malaria, Influenza, Measles)		☐ Acute Flac			Fever &	
		☐ Gastroente				Respiratory
		☐ Fever & He			J Fever & I	Neurologic
				,		
4. Food/Animal/Environment Sa	ample Details (If relevant					EPI No:
Specimen ID		BCG: DYD				Y DN YYYY/MM/DD
Name of food/env sample		HBV: DYD				Y ON YYYY/MM/DD
Where specimen(s) collected		1104. 010	14			
	2 201	MMR: DYD	N YYYY			
□ Outbreak □ Traceback □ S	Survey 🗆 Other	MMR: DYD ‡Specify	N YYYY			Y DN YYYY/MM/DD
*Serum: EDTA blood: Blood sm		‡Specify		Y/MM/DD	Other‡: 🗆	Y ON YYYY/MM/DD
*Serum: EDTA blood: Blood sm		‡Specify Urine; 8tool; Tissue	e; Plasma	Y/MM/DD	Other#:   Vater; Anima	Y ON YYYY/MM/DD
*Serum: EDTA blood: Blood sm	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y N YYYY/MM/DD
*Serum: FDTA blood: Blood sm	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y N YYYY/MM/DD
*Serum: FDTA blood: Blood sm	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y N YYYY/MM/DD
*Serum: EDTA blood: Blood sm	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y N YYYY/MM/DD
*Type of Specimen Date Specimen Collected  Lab Test(s) Requested	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y N YYYY/MM/DD
*Type of Specimen Date Specimen Collected Lab Test(s) Requested  Date Received at Nat Lab Nat Lab Specimen ID	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y D N YYYY/MM/DD
*Type of Specimen Date Specimen Collected Lab Test(s) Requested  Date Received at Nat Lab Nat Lab Specimen ID	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y D N YYYY/MM/DD
*Type of Specimen Date Specimen Collected Lab Test(s) Requested  Date Received at Nat Lab Nat Lab Specimen ID	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y D N YYYY/MM/DD
*Serum; EDTA blood; Blood sm  *Type of Specimen Date Specimen Collected  Lab Test(s) Requested  Date Received at Nat Lab Nat Lab Specimen ID	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y N YYYYMM/DD
*Type of Specimen Date Specimen Collected Lab Test(s) Requested  Date Received at Nat Lab Nat Lab Specimen ID	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y N YYYYMM/DD
*Type of Specimen Date Specimen Collected Lab Test(s) Requested  Date Received at Nat Lab Nat Lab Specimen ID  Test(s) Performed  Date(s) Tested  Laboratory diagnosis	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y N YYYY/MM/DD
*Serum; EDTA blood; Blood cm  *Type of Specimen Date Specimen Collected  Lab Test(s) Requested  Date Received at Nat Lab Nat Lab Specimen ID  Test(s) Performed  Date(s) Tested  Laboratory diagnosis  Date Referred to CAREC	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y N YYYYMM/DD
*Type of Specimen Date Specimen Collected Lab Test(s) Requested  Date Received at Nat Lab Nat Lab Specimen ID  Test(s) Performed  Date(s) Tested  Laboratory diagnosis	ear; Sputum; CSF; Swab; (	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;V	Other#:   Vater; Anima	Y N YYYYMM/DD
*Serum; EDTA blood; Blood cm  *Type of Specimen Date Specimen Collected  Lab Test(s) Requested  Date Received at Nat Lab Nat Lab Specimen ID  Test(s) Performed  Date(s) Tested  Laboratory diagnosis  Date Referred to CAREC	ear; Sputum; CSF; Swab; (Specimen	‡Specify Urine; 8tool; Tissue	e; Plasma	(PPT); Food;W Specimen 2	Other®: □	Y N YYYYMM/DD



# $\square$ RKA Building, 10-16 Grenada Way $\square$ 45-47 Barbados Avenue $\square$ 24-26 Grenada Crescent $\square$ 10<sup>A</sup> Chelsea Avenue KINGSTON 5, JAMAICA, W.I.

Tel: (876) 633-7400/7433/7771/8172/8174 Website: <u>www.moh.gov.jm</u>

#### APPENDIX 6: PARISH DAILY CONTACT TRACING REPORTING FORM

Parish:							
Date of Report:							
	CONTA	CT TRAC	ING SUN	MARY	REPORT		
CONFIRMED CASE'S INITIALS	No. of Households visited (cum)	No. of Persons interviewed (cum)	No. of contacts identified (cum)	No. of contacts named (cum)	No. of contacts symptomatic (cum)	No. of contacts currently isolated	No. of contacts currently being followed
Report Prepared by	y:						
Position of Reporte	er:						
Parish MO(H) sig	gnature:						



Website: www.moh.gov.jm

#### APPENDIX 7: CONTACT INVESTIGATION PROTOCOL

Investigations must be initiated within 24 hours of the parish team becoming aware of a case.

#### **Objectives of case investigation**

- 1. Rapidly detect COVID-19 cases
- 2. Reduce human to human spread of COVID-19

#### **Investigation Team**

- 1. Team Leader Parish Medical Officer (Health) or designate
- 2. Interviewers Personnel with the capacity and authority to interview, triage, and take samples from contacts. Interviewers must be trained and skilled in IPC measures specific to COVID-19
- 3. Clerical Officer Epidemiology Clerk or other clerk who will collate and organize data collected, and assist with the preparation of reports.

#### **Required Tools/Resources**

- Sufficient quantity of appropriate PPE
- Specimen collection materials UTM/Swabs, labels, biohazard bags, coolers
- Case Investigation Protocols, Sampling SOPs, Class 1 and Contact Line Listing forms

#### **Contacts Defined**

Contacts are classified as **High Risk**, **Moderate Risk**, **or Low Risk** based on the degree, duration, and timing of exposure (in relation to symptoms). Bedroom, household and health-worker contacts are defined as high risk; conveyance contacts are classified as moderate risk, and casual contacts are classified as low risk.

#### Definitions of contact types:

- 1. Bedroom A person who shared a bed or slept in the same room for one or more nights
- 2. Household A person who shared the same enclosed living space for one or more nights or for extended periods during the day
- 3. Health-care worker A person who provided direct care for a suspected or confirmed COVID-19 case without using proper personal protective equipment
- 4. Conveyance travelling in close proximity with (that is, having less than 1 m separation from) a COVID-19 patient in any kind of conveyance
- 5. Casual A person who was in a social situation with no physical contact or close proximity to a suspected or confirmed case



Tel: (876) 633-7400/7433/7771/8172/8174 Website: www.moh.gov.jm

#### Contact Tracing<sup>5</sup>

All contacts must be listed with the minimum dataset stated in Appendix 3 Risk assessment must be completed for all contacts.

Contacts should be classified as bedroom, household, health-care worker, conveyance or casual using the information in *Contacts Defined* above. The completed contact listing should be discussed with the MOHNEOC for a decision to be made regarding the type of quarantine. All contacts will be quarantined (Figure 1).

#### Management of contacts

#### Asymptomatic Contacts

- All contacts will be quarantined and observed daily for the development of symptoms. The period
  of quarantine and observation will end when a negative result for COVID-19 is received for a
  suspected case.
- All contacts of Probable and Confirmed COVID-19 cases will be quarantined and observed daily for the development of symptoms for a period of 14 days after most recent contact.
- All contacts will be given explicit instructions (verbal and written) regarding the steps to be taken if symptoms develop.
- A record of the daily observation checks for contacts should be maintained at the Parish Health Department and daily reports submitted to the MOHW NEOC.

#### Symptomatic Contacts

- Triage and isolate all symptomatic contacts
- Notify the MOHNEOC and the National Surveillance Unit once a contact becomes symptomatic

<sup>&</sup>lt;sup>5</sup> A contact is a person who is involved in any of the following within 14 days after the onset of symptoms in the patient:

<sup>•</sup> providing direct care for patients with COVID-19 disease without using proper personal protective equipment;

staying in the same close environment as a COVID-19 patient (including sharing a workplace, classroom or household or being at the same gathering);

<sup>•</sup> travelling in close proximity with (that is, having less than 1 m separation from) a COVID-19 patient in any kind of conveyance.

Definition taken from Global Surveillance for COVID-19 disease caused by human infection with the 2019 novel coronavirus retrieved on 10 March 2020 from <a href="https://www.who.int/publications-detail/global-surveillance-for-human-infection-with-novel-coronavirus-(2019-ncov)">https://www.who.int/publications-detail/global-surveillance-for-human-infection-with-novel-coronavirus-(2019-ncov)</a>



### □ RKA BUILDING, 10-16 GRENADA WAY □ 45-47 BARBADOS AVENUE □ 24-26 GRENADA CRESCENT □ 10<sup>A</sup> CHELSEA AVENUE KINGSTON 5, JAMAICA, W.I.

Tel: (876) 633-7400/7433/7771/8172/8174 Website: www.moh.gov.jm

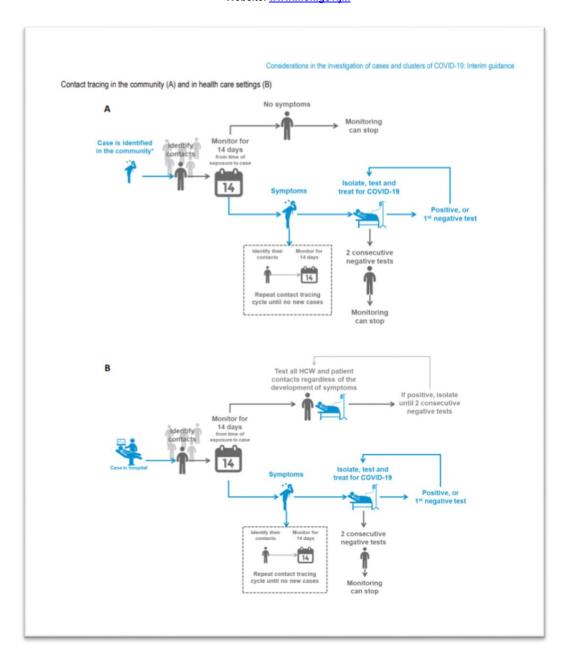


Figure 1. <sup>6</sup> Pictogram showing the contact tracing protocols for COVID-19 cases detected in community and hospital settings.

<sup>&</sup>lt;sup>6</sup> World Health Organization. 2020. Considerations in the investigation of cases and clusters of COVID-19: Interim Guidance, 13 March 2020. Retrieved on March 16, 2020 from <a href="https://www.who.int/internal-publications-detail/considerations-in-the-investigation-of-cases-and-clusters-of-covid-1">https://www.who.int/internal-publications-detail/considerations-in-the-investigation-of-cases-and-clusters-of-covid-1</a>



Website: www.moh.gov.jm

#### APPENDIX 8: ILI SENTINEL SURVEILLANCE WEEKLY SAMPLING QUOTA

Region	Sites	Average ILI /week 2019	Quota	Estimated Weekly Quota
	Western Region	al Health Auth	ority	
1	Lucea Health Centre	5	All ILI Cases	5
2	Noel Holmes Hospital	15	All ILI Cases	10
3	Cambridge Health Centre	9	All ILI Cases	9
4	Catherine Hall Health Centre	21	10	10
5	Cornwall Regional Hospital	34	14	14
6	Mobay hope Hospital / Hospiten	5	All ILI Cases	5
7	Mobay Type V Health Centre	126	50	14
8	Mount Salem Health Centre	8	All ILI Cases	8
9	Albert Town Health Centre	5	All ILI Cases	5
10	Dewar Duncans Health Centre	7	All ILI Cases	7
11	Falmouth Health Centre	2	All ILI Cases	2
12	Falmouth Hospital	66	14	14
13	Ulster Spring Hospital	11	10	10
14	Darliston Health Centre	4	All ILI Cases	4
15	Negril Health Centre	4	All ILI Cases	4
16	Savanna-La-Mar Health Centre	19	All ILI Cases	10
17	Savanna-La-Mar Hospital	43	14	14
18	White House Health Centre	8	All ILI Cases	8
19	Dr's Surgi Clinic	0	All ILI Cases	-
20	Green Island Health Centre	0	All ILI Cases	-
21	Hopewell Health Centre	1	All ILI Cases	-
22	Maroon Town Health Centre	1	All ILI Cases	-
23	Sandy Bay Health Centre	1	All ILI Cases	-
	Southern Region	nal Health Auth	ority	
1	Chapelton Hospital	2	All ILI Cases	2
2	Lionel Town Hospital	19	All ILI Cases	10
3	May Pen Health Centre	2	All ILI Cases	2
4	May Pen Hospital	12	All ILI Cases	10
5	Mandeville Health Centre	59	14	14
6	Mandeville Hospital	74	14	14
7	Newport Health Centre	3	All ILI Cases	3
8	Percy Junor Hospital	13	All ILI Cases	10
9	Porus Health Centre	18	10	10
10	Black River Health Centre	4	All ILI Cases	4
11	Black River Hospital	25	10	10
12	Santa Cruz Health Centre	6	All ILI Cases	6
13	Southfield Health Centre	3	All ILI Cases	3



Tel: (876) 633-7400/7433/7771/8172/8174 Website: <u>www.moh.gov.jm</u>

Region	Sites	Average ILI /week 2019	Quota	Estimated Weekly Quota
14	Cross Keys Health Centre	1	All ILI Cases	-
15	Hargreaves Memorial Hospital	1	All ILI Cases	-
16	Maggotty Health Centre	1	All ILI Cases	-
17	Spaulding Health Centre	1	All ILI Cases	-
1	Southeast Regio Bustamante Hospital for Children	138	30	30
2	Duhaney Park Health Centre	14	10	10
3	Glen Vincent H/C	45	10	10
4	Edna Manley H/C	6	All ILI Cases	6
5	Harbour View H/C	6	All ILI Cases	6
6	Maxfield Park H/C	3	All ILI Cases	3
7	Stoney Hill H/C	5	All ILI Cases	5
8	University Hospital	24	10	10
9	UWI Health Centre	3	All ILI Cases	3
10	Greater Portmore H/C	21	10	10
11	Linstead H/C	13	10	10
12	Spanish Town Hospital	18	All ILI Cases	10
13	Saint Jago Park H/C	4	All ILI Cases	4
14	Old Harbour H/C	10	All ILI Cases	10
15	Morant Bay H/C	9	All ILI Cases	9
16	Princess Margaret Hospital	5	All ILI Cases	5
17	Isaac Barrant Hospital	4	All ILI Cases	4
18	Christian Pen Health Centre	2	All ILI Cases	-
19	Seaforth Health Centre	1	All ILI Cases	-
20	Yallahs Health Centre	1	All ILI Cases	-
	Northeast Region	nal Health Autl	ority	
1	Port Antonio Health Centre	2	All ILI Cases	2
2	Port Antonio Hospital	22	All ILI Cases	22
3	Brown's Town Health Centre	2	All ILI Cases	2
4	Saint Ann's Bay Hospital	13	10	10
5	Annotto Bay Health Centre	3	All ILI Cases	3
6	Annotto Bay Hospital	3	All ILI Cases	3
7	Highgate Health Centre	5	All ILI Cases	5
8	Oracabessa Health Centre	3	All ILI Cases	3
9	Port Maria Hospital	9	All ILI Cases	9
10	Alexandria Hospital	0	All ILI Cases	-
11	Buff Bay Community Hospital	1	All ILI Cases	-
12	Claremont Health Centre	0	All ILI Cases	-
13	Gayle Health Centre	1	All ILI Cases	-



#### Tel: (876) 633-7400/7433/7771/8172/8174 Website: <u>www.moh.gov.jm</u>

Region	Sites	Average ILI /week 2019	Quota	Estimated Weekly Quota
14	Manchioneal Health Centre	1	All ILI Cases	1
15	Moneague Health Centre	0	All ILI Cases	1
16	Ocho Rios Health Centre	1	All ILI Cases	-
17	Port Maria Hospital	0	All ILI Cases	-
18	Saint Ann's Bay Health Centre	0	All ILI Cases	-