# PHIMS COVID-19 CASE INVESTIGATION STEPS

- Check subject summary for any concurrent open investigations and close as appropriate. Eg. Close the contact investigation and change disposition to contact turned case.
- Navigate to subject > client details > client demographics
  - \*Verify address. If missing, add as "MHSU" Address Type
  - \*Add phone number (this is not pre-populated from the registry)
  - \*Add language/interpreter if required
- 2 Navigate to investigations. Select the COVID-19 Case Investigation go to Investigation Quick Entry.
  - \*Enter indigenous identity and ethnicity if missing
  - \*Select client home address at time of initial investigation
  - o Enter sensitive environment/occupation and details for occupational data collected
  - \*Select staging close contact of known case, travel acquired, or unknown

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Classification     *			
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# Enter symptoms:

- Enter \* "asymptomatic", or \* "symptomatic" with onset date of first symptom
- 2 Check off any other symptoms that are present, select set response, and select "yes" and apply

		For full informatio	n and features: Signs and Symptoms
			Reset Signs and Symptoms
sponse			
Sign or Symptom *	Response	Onset Symptom	Onset Date
Abdominal pain/cramping			yyyy/mm/dd
Acute respiratory distress syndrome			yyyy/mm/dd
Asymptomatic	*		yyyy/mm/dd
Chills	*		
Confusion, altered mental state	•		yyyy/mm/dd
Cough, dry	•		
Cough, productive	*		yyyy/mm/dd
Diarrhea	•		
Encephalitis			yyyy/mm/dd
Fever	•		
Headache	*		yyyy/mm/dd
Muscle pain (myalgia)	•		
Pneumonia	*		yyyy/mm/dd
Renal failure			
Seizures	*		yyyy/mm/dd
Septicemia or sepsis	*		
Shortness of breath (dyspnea)	×		yyyy/mm/dd
Sore throat	·		yyyy/mti/dd
Symptomatic	*		yyyy/mm/dd
Vomiting	· ·		

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### **Enter Risk Factors:**

- 2 Enter \*all risk factors individually where response is "yes" and add additional information and dates.
- Check all risk factors where the response is "no", select set response, select "no", and apply.

isk Factors						
					For full informati	on and features: Risk Fa
						Reset Risk Factor
Set Respon	se					
Preset	Risk Factor	Response	Additional Information	Frequency	Effective From Date	Effective To Date
	Animal or			_		
~	contact	*				vvvv/mm/dd
1.00	(domestic pets, farm animals,					33337.001.00
	wildlife etc.)					
	Contact to a					
	previously	-				
Ý	case (specify					
	infection and					
	Contact with					
	someone with			· · · · · · · · · · · · · · · · · · ·		
~	(specify details				yyyy/mm/dd	yyyy/mm/dd
	and date range of exposure)					
	Exposure					
1	setting/location:	*				
	in Canada					
-	(specity)					
	setting/location:					
~	Outside Canada			· · · ·		yyyy/mm/dd
	(specify)					
~	Other risk	¥				
	(specify)					3333milledd
	Outbreak					
~	(specify name	-		· ·	yyyy/mm/dd	yyyy/mm/dd
	and /or outbreak code)					
	Pregnant			1		
~	(specify EDC)					yyyy/mm/dd
	Sensitive			1	The second se	-
×	Environment/ (specify)			*	yyyy/mm/dd	yyyy/mm/dd
	Underlying			1		-
~	illness (aposity)				yyyy/mm/dd	

### **Enter Exposures:**

Acquisitions events ("AE") (the source of the infection if known or suspected) – navigate to exposure summary and create acquisition event.

- Determine incubation period (14 days prior to onset of symptoms, or if asymptomatic, 14 days prior to specimen collection date: \_\_/\_\_/\_\_ to \_\_/\_\_/\_\_
- Should be completed if there is a previous known or suspected exposure(s). E.g. this should be completed for cases staged as close contact or travel acquired.
- Each setting should be entered as a separate AE
  - Enter \* exposure name, \* acquisition start and end dates (if ended)
  - o Enter \* setting type and exposure location
    - If travel add the information on the mode of travel. Eg. Location Name = e.g., "Air Canada AC492; Toronto; Winnipeg; 12D, 2020-03-10; 2020-03-10; Sat next to sick person"
  - Enter source (enter investigation ID if known case)

Transmission events ("TE") (contacts) - navigate to exposure quick entry and create transmission event(s).

- Determine period of communicability (2 days prior to symptoms developing to 10 days from onset of symptoms, or if asymptomatic, 2 days prior to specimen collection date to 10 days after specimen collection date: \_\_/\_\_/ to \_\_/\_\_/
- \*Enter all settings and the associated close contacts (known, unknown, and anonymous) during the period of communicability.
  - Do not enter settings where there was no close contact (e.g. shopping with no close contact).
  - Enter each setting type as a different transmission event. All contacts that are associated with the setting with the same exposure dates can be entered in that TE.
  - Ensure all contacts entered in the TE have the same exposure dates, as the start and end dates will inform the contact isolation period they must correspond.

- If contacts are in different investigation organizations, either create a separate TE with exposure quick entry for each organization, or add the individual(s) separately by navigating to the TE after it is created in exposure quick entry. Perform a known contact search that will individually add a contact and create an investigation that can be assigned to the other organization.
- Enter \*exposure name, \*transmission start and end dates (if ended)
- Enter exposure location if relevant
- Enter contacts (search clients, or add contact list note: do not save until all contacts are entered for this setting).
- o Enter contact investigation details:
  - \*First reporting source = "other" enter contact
  - \*enter responsible and investigator organization, workgroup
  - \*select disposition pending (default) or assign to call center

xposure Quick Entry				Save Reset	: 8 🔒 ?
Transmission Event Deta	ls				\$
* Exposure Name:	* Transmission Start: yyyy/mm/dd	Transmission Er	d: hh:mn CDT		
e.g. Organization Display Name	<b>0</b> Q				
Exposure Location					*
Location Name: Unit No.: Street No.:	Setting Type:	Setting:	ction:		
P.O. Box: STN: Country: Canada	RPO: Rural Route: Province / Territory: Ci Manitoba v	ty / Town: Postal C	vode:		
Client Last Name or ID		Search Type:	Add	[	Add Contact List
Contact Investigation De	tails				\$
Contact Investigation De	tails Microorganism	Authority	Classification	Classificati	ion Date
Contact Investigation De Disease COVID-19	talls Microorganism Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	Authority Provincial	Classification Contact - Person Under Investigation	Classificati 2020 Oct 24	ion Date
Contact Investigation De Disease COVID-19 * First Reporting Source:	talls Microorganism Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) Provider Location C	Authority Provincial ther	Classification Contact - Person Under Investigation	Classificati	ion Date
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Contact Investigation De Disease COVID-19 First Reporting Source: Provider: @ Responsible Organization: Manitoba	tails           Microorganism           Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)           Provider           Location           Provider           Location           Provider Last Name, First Name	Authority Provincial ther Responsible Organization Workgro	Classification Contact - Person Under Investigation	Classificati 2020 Oct 24	ion Date
Contact Investigation De Disease COVID-19 First Reporting Source: Provider: Responsible Organization: Manitoba Investigator Organization:	tails Microorganism Severe acute respiratory syndrome coronavirus 2 (SAR9-CoV-2) Provider Location 0 p. Provider Last Name, First Name	Authority Provincial ther Responsible Organization Workgroup:	Classification Contact - Person Under Investigation	Classificati 2020 Oct 24	tion Date

### **Enter Interventions:**

- 2 Navigate to intervention summary and add relevant preset interventions
- Enter \*COVID Alert App Positive Key entry.
  - If client has app and key offered select disposition of "issued" or "declined", outcome= not applicable
  - o If client doesn't have app select disposition of not completed, outcome= not applicable
  - o If not asked, select outcome of "unknown"
- Enter \* COVID Alert App Exposure notification.
  - If client has app, check if they received an exposure notification in the past 14 days select disposition of "issued" or "not issued", outcome = not applicable
  - o If client doesn't have app select disposition of not completed, outcome= not applicable
  - o If not asked, select outcome of "unknown"
- Enter \* isolation intervention with \* outcome (initially pending), \* start date, and \* end date corresponding to period of communicability
- 2 Enter the relevant \* status assessment
  - The status should be updated if it changes. Updates may be added by MHSAL if noted on ADT system.

						For full information and feat	ures: Intervention Summ
							Reset Interventions
Perform	Туре	Sub Type	Outcome	Disposition	Start Date	Next Follow Up Date	Follow Up Workgroup
	Арр	COVID Alert App - Exposure Notification	¥.		yyyy/mm/dd	yyyy/mm/dd	
	Арр	COVID Alert App - Positive Key Entry			yyyy/mm/dd	yyyy/mm/dd	
	Isolation	Facility isolation			yyyy/mm/dd	yyyy/mm/dd	
	Isolation	Home isolation			yyyy/mm/dd	yyyy/mm/dd	-
	Isolation	Self isolation			yyyy/mm/dd	yyyy/mm/dd	
	Status Assessment	Fatal			yyyy/mm/dd	yyyy/mm/dd	
	Status Assessment	Home isolation	-		yyyy/mm/dd	yyyy/mm/dd	-
	Status Assessment	Hospitalizati			yyyy/mm/dd	yyyy/mm/dd	
	Status Assessment	ICU			yyyy/mm/dd	yyyy/mm/dd	
	Status Assessment	Mechanical ventilation			yyyy/mm/dd	yyyy/mm/dd	
	Status Assessment	Recovered			yyyy/mm/dd	yyyy/mm/dd	-
	Status Assessment	Unknown			yyyy/mm/dd	yyyy/mm/dd	

- Add relevant notes if required.
- Dupdate disposition. Consider using call center for ADM's.

# To close case: [note this may be done at the Call Centres]

At end of isolation period:

- Ensure end date of isolation period is past. Update outcome of isolation intervention to "completed".
- Image: Add status assessment of "recovered" or "fatal" and add start date.
- Close investigation.

# PHIMS COVID-19 CONTACT INVESTIGATION STEPS

- Check subject summary for any concurrent open investigations and close as appropriate. Eg. Close the older contact investigation and change disposition to "concurrent contact investigation".
- Navigate to subject > client details > client demographics
  - \*Verify address. If missing, add as "MHSU" Address Type
  - \*Add phone number (this is not pre-populated from the registry)
  - \*Add language/interpreter if required
- 2 Navigate to investigations. Select the COVID-19 Contact Investigation go to Investigation Quick Entry.
  - \*Select client home address at time of initial investigation
  - o Enter sensitive environment/occupation and details for occupational data collected

bracuae Detuna					
Primary Authority:	* Classification:		* Classification Date:		
Provincial	Case - Lab Confirmed	*	2020/10/24		
First Reporting Source: Other: MD	Provider OLocation 💿 Oth	er			
Responsible Organization:				Responsible Organization Worksroom	
Winnipeg Health	*			CD-Winnipeg Health *	
Investigator Organization:				* Investigator Workgroup:	
Winnipeg Health	· ·			CD-Winnipeg Health *	
Disposition: Pending *				* Report Date (Received): 2020/10/24	
lient Home Address at Time of Initial	Investigation:				
		* Ne	w Address		
iensitive Environment / Occupation:	•	* Ne	w Address		
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# Enter symptoms:

- 2 Enter \*"asymptomatic", or \* "symptomatic" with onset date of first symptom
- 2 Check off any other symptoms that are present, select set response, and select "yes" and apply

et Re				keset signs and symptoms
	Sign or Symptom +	Response	Onset Symptom	Onset Date
	Abdominal pain/cramping			yyyy/mm/dd
	Acute respiratory distress syndrome			
	Asymptomatic	*		yyyy/mm/dd
	Chills			
	Confusion, altered mental state	*		yyyy/mm/dd
	Cough, dry	*		
	Cough, productive	*		yyyy/mm/dd
	Diarrhea	•		
	Encephalitis	*		yyyy/mm/dd
	Fever	-		yyyy/mm/dd
	Headache	*		yyyy/mm/dd
	Muscle pain (myalgia)	-		
	Pneumonia	*		yyyy/mm/dd
	Renal failure	*		yyyy/mm/dd
	Seizures	*		yyyy/mm/dd
	Septicemia or sepsis	-		
	Shortness of breath (dyspnea)	×		
	Sore throat			
1	Symptomatic	*		yyyy/mm/dd

# Do Not Enter Risk Factors

No risk factors on contact form

### **Review Exposures:**

- Check if more than one acquisition event. Identify the date of the most recent acquisition end date. If acquisition end date is missing, go to exposure summary and navigate to the transmission event of the case to determine if the date was entered. (see appendix A at end of document for calculating isolation dates.)
  - Note that depending on how the transmission event was entered, the AE on the contact investigation may not display the acquisition end date. You must check the transmission event for the end date if it is missing.
- Determine incubation period (14 days after to the last exposure date) which corresponds to the isolation period: \_\_/\_\_/\_\_ to \_\_/\_\_/\_\_

# **Enter Interventions:**

- 2 Navigate to intervention summary and add relevant preset interventions
- Enter \* COVID Alert App Exposure notification.
  - If client has app, check if they received an exposure notification in the past 14 days select disposition of "issued" or "not issued", outcome = not applicable
  - $\circ$  If client doesn't have app select disposition of not completed, outcome= not applicable
  - If not asked, select outcome of "unknown"
- Enter \* isolation intervention with \* outcome (initially pending), \* start date, and \* end date corresponding to self-isolation period. Start date should reflect when the contact started self-isolating.
- Add first follow-up on isolation.
  - Click "add follow-up"
  - Enter follow-up type (telephone), follow-up disposition (completed, unsuccessful, completed-referred to nurse), has symptoms (yes/no).
  - 2 Add relevant notes in comment box of follow-up if required.
  - Click save

# Enter Notes:

Enter notes if required.

# Ensure Investigation Disposition has been updated:

- Consider using:
  - call center for active daily monitoring (ADM's through the Canadian Red Cross or COVID-19 Call Center at Deer Lodge) – use "follow-up by call center" or "follow-up by Canadian Red Cross" according to the direction provided by your region.
  - Proceeding For contact notification, use "follow-up by Statistics Canada" for known contacts with investigations created, who will notify the contact and provide education on self-isolation.

# To close contact:

At end of isolation period: [may be done at Call Centre]

- Ensure end date of isolation period is past. Update outcome of isolation intervention to "completed".
- Close investigation.

#### Appendix A: Determining Isolation Dates:

- Check subject summary for concurrent contact investigations and ensure most recent investigation and associated exposure dates are being used.
- Navigate to Exposure summary:

Exp	osure Summa	ſy							× 🖹
Acc	uisition Event	S					To enter e For full inform	xposures: <u>Acquis</u> ination and feature	tion Event Quick Entry Exposure Summary
	AE ID 💠	TE ID 💠	Source Name \$	Exposure Name \$	Acquisition Start +	Acquisition End \$	Setting Type	Setting \$	Likely Source \$
C	239	135	, Albert	ae test	2020 Oct 22				

- Make sure you are using the most recent exposure dates if there is more than one AE.

Transmission Event Summary		A Hide	Transmission Event Summary
0 Transmission Events Found. 0 Contacts Found. TE ID Transmission Start Transmissi	ion End  Location Name	▼ <u>Setting Type</u> ▼ C	Dutbreak ID 🔻 Invalid
Acquisition Event Summary		🛠 Hie	de Acquisition Event Summary
1 Acquisition Events Found.			
Row Actions: Search and Link TE Copy		Multiple AE Entry	Create Acquisition Event
AE TE Source Acquisition Acquisition	cquisition 🔻 Location Name nd	Setting Expose Type	ed Likely Invalid Source
C 239 135 A, Albert 2020 Oct 22 -	Household. Last exposure Oct 22		

- Click on the TE ID to navigate to the transmission event (TE) from the case.
  - Note that the AE may not display the acquisition end date from the transmission event, depending on how the TE was entered. You must check the transmission event for the end date if it is missing.
- Review the TE event date/time:



- The isolation end date should be 14 days from the TE end date (the last date of exposure). If the TE end date is missing, calculate 14 days from the start date. Make a note of the start and end dates for the TE and the associated self-isolation start and end dates. The last date on the TE should be considered day 0, and self-isolation will end at midnight on day 14.
- The exposure location may also provide some context about the exposure. The details in the location should not be shared with the contact, as this may identify the case, but may help in provide additional context on the exposure to identify any issues with the self-isolation dates.
- When the review is complete, click cancel at the top, which will take you back to the investigation you are working on.
- Navigate to the Intervention Summary.
- Select the preset isolation intervention you wish to add: (home isolation if at home, self-isolation if at another location, facility isolation if in a facility), and click "add preset".

Pres	Preset Interventions A Hide Preset Interven				
Row	Actions: Add Preset				
	Туре	<u>SubType</u>	Added		
С	Isolation	Facility isolation	-		
С	Isolation	Home isolation	-		
С	Isolation	Self isolation	-		

- Add the intervention disposition (in progress), the outcome (pending), the isolation start date (when they began isolating) and end date from your above calculation based on the transmission event date(s).
- Click save

Intervention Details	≵ Hide Interve	ention Details
* Required field		
Encounter Group:	Outbreak Response	
* Intervention Type:	Isolation * Intervention Sub Home isolation Type:	$\mathbf{\mathbf{v}}$
Intervention Disposition:	v	
* Outcome:		
* Start Date:	2020 / 10 / 25 🖬 End Date: / / / / / / / / / / / / / / / / / / /	
Next Follow Up Date:	yyyyy mm dd	
Workgroup 7 Organization c	lo specify an Organization first click on the Final button. Then search, or type the name of the Organization you wish to specify, se lick on Select button. Then click Close' to close.	lect it and
	Organization: [Manitoba]	ind 🔍
Workgroup:	User:	