



#### HALTON REGION PUBLIC HEALTH • Office of the Medical Officer of Health

TEL: 905-825-6000 • TOLL FREE: 1-866-442-5866 • FAX: 905-825-1444

TO: Halton Physicians, Nurse Practitioners, Emergency Departments, other Healthcare Providers

FROM: Dr. Hamidah Meghani, Medical Officer of Health

DATE: May 21, 2022

RE: Monkeypox case definition, testing, and reporting requirements

#### Monkeypox

- Public Health agencies around the world have reported cases of monkeypox, including cases in Quebec.
- Monkeypox virus is an Orthopoxvirus, endemic to Central and West Africa. Monkeypox infection is
  usually self-limiting. However, severe illness can occur in some individuals (case fatality rate of 110% depending on clade). Complications of monkeypox can include secondary infections,
  bronchopneumonia, sepsis, encephalitis, and infection of the cornea with ensuing loss of vision.
- **Symptoms** include a prodromal phase of fever, headache, intense fatigue, sweating, lymphadenopathy, myalgia and arthralgia; followed by a maculopapular rash 1-3 days later that turn into vesicular lesions. Lesions tend to affect the face and extremities. The lesions eventually fall off and new skin grows.
- The primary mode of person-to-person transmission is through respiratory secretions, direct contact with skin lesions, and/or contact with materials contaminated with the virus (e.g. bedding, clothing).
- Early epidemiology on recent cases reported in the US, UK, and Western Europe shows that some cases have been clustered in men who have sex with men. In addition, many of these cases have reported atypical symptoms, including unusual rash/lesions in the mouth and/or genitals.
- Incubation period is 7-14 days (range 5 to 21 days) and the patient is considered infectious from 5 days before the rash appears until the lesions have crusted and new skin formed. The infection typically lasts 2-4 weeks.
- Treatment for monkeypox infection is mainly supportive.
- Ontario is working with the Public Health Agency of Canada (PHAC) to determine eligibility for vaccines and/or therapeutics.

#### **KEY MESSAGES FOR HEALTHCARE PROVIDERS**

- The Ontario Chief Medical Officer of Health has issued an Order under section 77.6 of the HPPA
  requiring all healthcare professionals to report suspected and probable cases of monkeypox (case
  definitions in Appendix A of the Order) to Public Health Ontario. The memo and Order are
  attached.
- Health care providers are advised to consider the diagnosis of monkeypox in individuals
  presenting with signs and symptoms that may be compatible.

- Please do not limit concerns or suspicion for the diagnosis to men who report having sex with other men, as anyone with close personal contact with a person with monkeypox virus infection could be at risk for the disease.
- Infection Prevention and Control (IPAC) Recommendations for Monkeypox in Health Care Settings: If a patient presents with a fever and skin lesions, follow standard, contact and droplet precautions (and isolate patient in a negative air pressure room if available) as soon as possible and advise the patient to cover their skin lesions and wear a mask. See attached IPAC recommendations from Public Health Ontario (PHO).
- Testing: information on testing is available on <u>PHO Lab website</u>. You may call PHO lab regarding
  questions on swabbing and sample transport. All specimens will be sent to National Microbiology
  Laboratory (NML) in Winnipeg at this time.
  - NPS/throat swab especially in the prodromal stage but can be conducted at any stage of the illness.
  - Optimal diagnostic samples for monkeypox are swabs of skin lesions the roof or fluid from vesicles and pustules, and dry crusts.
  - o If testing for other viruses (e.g. HSV, VZV) at the same time, then take a separate swab for this as the monkeypox swab is sent directly to NML.
  - Serum is also an acceptable sample but only PCR testing will be done on the serum and not serology (i.e. antibody) testing. Serum is less useful due to short duration of viremia depending on time of specimen collection during illness.
- Reporting: If the patient meets case definition (see Appendix A in attached Order), complete the
  Ontario Monkeypox Investigation Tool (see Appendix B in attached Order) and fax it via a secure
  fax line to Public Health Ontario at 647-260-7603. Public Health Ontario will work with the local
  Public Health Unit where the patient resides to conduct contact tracing and management.

#### **KEY MESSAGES FOR PATIENTS**

- Patients infected with monkeypox should self-isolate, wear a high-quality medical mask and cover the lesions until all lesions have resolved and fresh skin has grown over. Public Health will contact all cases that are reported to PHO.
- Contacts of confirmed cases should monitor for symptoms for 21 days after their last exposure. If they develop a fever or rash, they should immediately self-isolate, contact Public Health, and see their primary care provider.

#### ADDITIONAL RESOURCES

- PHO Lab website for testing information <a href="https://www.publichealthontario.ca/en/laboratory-services/test-information-index/monkeypox-virus">https://www.publichealthontario.ca/en/laboratory-services/test-information-index/monkeypox-virus</a>
- WHO fact sheet <a href="https://www.who.int/en/news-room/fact-sheets/detail/monkeypox">https://www.who.int/en/news-room/fact-sheets/detail/monkeypox</a>
- CDC info sheet https://www.cdc.gov/poxvirus/monkeypox/











#### Ministry of Health

#### Ministère de la Santé

Office of Chief Medical Officer of Health, Public Bureau du médecin hygiéniste en chef, santé publique

Health

Box 12

Boîte à lettres 12

Toronto ON M7A 1N3

Toronto ON M7A 1N3

May 20, 2022

#### **MEMORANDUM**

TO: Health Care Providers and Public Health Units

FROM: Dr. Kieran M. Moore

Chief Medical Officer of Health, Ontario

RE: Monkeypox

### Dear colleague:

I am writing to notify physicians, nurse practitioners, persons who operate a group practice of physicians or nurse practitioners, hospitals and regulated health professionals who practice at public hospitals and local public health units that the Ministry of Health is closely monitoring the situation concerning monkeypox cases reported in Europe and the US, as well as two confirmed cases in Quebec. I am urging all healthcare providers to be alert for patients presenting with symptoms that are consistent with monkeypox virus infection, especially if they have had travel or contact with a known case.

Monkeypox virus is an orthopoxvirus that causes a disease with symptoms similar to, but less severe than, smallpox. It is typically mild and self-limiting, however severe illness can occur.

Monkeypox virus infection presents with a prodrome that includes fever, chills, headache, myalgias, lymphadenopathy, and fatigue, followed one to three days later by a progressively developing rash. The rash characteristically begins on the face and then spreads to other parts of the body, including the hands, feet and genitals. Early epidemiology on recent cases reported in the US, UK, and Western Europe shows that some cases have been clustered in males who are gay, bisexual, and men who have sex with men. Some of these jurisdictions have noted atypical presentations of cases, such as individuals who have presented with unusual rashes or lesions in the mouth or genital area.

While historically rare, human-to-human transmission occurs primarily through close contact with an infected individual's bodily fluids, respiratory droplets, or lesions, or through items that have been contaminated with the infected person's fluids or lesions. The incubation period is typically 6 to 13 days but can range from 5 days to 21 days. Individuals are communicable from symptom onset until all scabs have fallen off and new skin is present.

Please consider the diagnosis of monkeypox in individuals presenting with signs and symptoms that may be compatible, especially with those with history of travel to affected countries or other risk factors. Please do not limit concerns or suspicion for the diagnosis to men who report having sex with other men, as anyone with close personal contact with a person with monkeypox virus infection could be at risk for the disease. Continue to consider the following differential diagnoses, which may be hard to distinguish from monkeypox – including syphilis, herpes simplex virus (HSV), chancroid, varicella zoster, and other common infections. For information on testing, specimen collection and handling, please see the <a href="PHO website">PHO website</a>.

Close contacts of people suspected or confirmed to have monkeypox infection should be advised to self-monitor for symptoms for 21 days after their last exposure. If symptoms develop, they should self-isolate, seek care and get tested.

If you see an individual who has symptoms compatible with monkeypox virus infection, airborne and droplet/contact precautions should be taken. A single room with negative air flow and a closed door is recommended in healthcare settings. If seeing an individual in an outpatient setting, a single room with a closed door is recommended. Providers are recommended to wear appropriate personal protective equipment, including a fit-tested N95 respirator, eye protection, gloves and a gown, and the patient should wear a medical mask for source control. Precautions may be discontinued in consultation with your local public health unit or

hospital IPAC staff. In the interim, while monkeypox-specific IPAC resources are being developed, please see <u>PIDAC's recommendations</u> on precautions for smallpox (variola).

I have issued an Order under section 77.6 of the *Health Protection and Promotion Act*, requiring all physicians, nurse practitioners, persons who operate a group practice of physicians or nurse practitioners, hospitals and regulated health professionals who practice at public hospitals to report any individual who meets the case definition (in Appendix A) of monkeypox virus to Public Health Ontario (PHO). Please see the attached Order outlining the requirements for reporting of information related to monkeypox to PHO, data collection, and case definition.

Sincerely,

Kieran Michael Moore, MD, CCFP(EM), FCFP, MPH, DTM&H, FRCPC

Chief Medical Officer of Health



#### Ministry of Health

#### Ministère de la Santé

Office of Chief Medical Officer of Health, Public Health Bureau du médecin hygiéniste en chef, santé publique

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May 20, 2022

# SECTION 77.6 HEALTH PROTECTION AND PROMOTION ACT CHIEF MEDICAL OFFICER OF HEALTH ORDER

(Order to physicians and registered nurses in the extended class, including Medical Officers of Health, persons who operate a group practice that includes physicians and/or registered nurses in the extended class and to hospitals within the meaning of the *Public Hospitals Act* and regulated health professionals who practice within hospitals to provide information relating to monkeypox virus)

#### ONTARIO MINISTRY OF HEALTH

# ORDER OF THE CHIEF MEDICAL OFFICER OF HEALTH UNDER SECTION 77.6 OF THE HEALTH PROTECTION AND PROMOTION ACT,

R.S.O. 1990, c. H.2 (the "Act")

**WHEREAS** under section 77.6 of the Act, the Chief Medical Officer of Health, where he is of the opinion that there exists an immediate and serious risk to the health of persons anywhere in Ontario, may issue an order directing any health information custodian, as defined in the *Personal Health Information Protection Act*, 2004 to provide to the Chief Medical Officer of Health or his or her delegate any information provided for in the order;

**AND WHEREAS**, under section 77.6(2), the Chief Medical Officer of Health is of the opinion, based on reasonable and probable grounds, that the information is necessary to investigate, eliminate or reduce the immediate and serious risk to the health of persons in Ontario presented by monkeypox virus;

**AND WHEREAS**, under section 77.6(3), the information requested in this order is to be used or disclosed only to investigate, eliminate, or reduce the risk and for no other purpose;

**AND WHEREAS**, under section 77.6(1), the Chief Medical Officer of Health may require health information custodians named in the order to disclose information, including personal health information, to a delegate;

AND HAVING REGARD TO monkeypox virus being observed nationally and internationally as follows: Since May 2022, there have been, as of the date of this order, over 100 cases of monkeypox virus reported in numerous countries, including countries in Europe, Canada, the USA, and Australia. It is not clear how individuals were exposed, and no source infection has been confirmed, but active investigation continues. Monkeypox virus is endemic in certain parts of Central and West Africa and previous reports of sporadic cases in non-endemic countries were linked to international travel to endemic countries.

**AND HAVING REGARD TO** some cases in Canada presenting to primary care and/or sexual health clinics with unusual rashes or lesions in the mouth or genital area. On May 20, 2022, two people in Quebec were confirmed with monkeypox virus and a confirmed case in the United States with travel history to Quebec was also confirmed for monkeypox virus.

**AND WHEREAS** this order is issued to physicians and registered nurses in the extended class, including Medical Officers of Health, to persons who operate a group practice that includes physicians and/or registered nurses in the extended class and to hospitals within the meaning of the Public Hospitals Act and regulated health professionals who practice within hospitals ("Required Persons").

**THE CHIEF MEDICAL OFFICER OF HEALTH THEREFORE ORDERS** pursuant to the provisions of section 77.6 of the Act that:

- 1. Every Required Person must provide to the Chief Medical Officer of Health's delegate, the Ontario Agency for Health Protection and Promotion ("Public Health Ontario"), the information outlined in Appendix B ("Case Report Form") respecting any cases of monkeypox virus who meet the case definitions in Appendix A (the "Information").
- 2. Every Required Person must disclose the Information to Public Health Ontario within one (1) business day after the Required Person learns that it has a patient who meets the case definitions in Appendix A.

- 3. If a Required Person has a patient that meets the case definitions in Appendix A, the Required Person must complete the Ontario Monkeypox Investigation Tool in Appendix B and send the Information via secure fax to Public Health Ontario (647- 260-7603).
- 4. Public Health Ontario, as my delegate, shall disclose the Information to the Medical Officer of Health in the respective Public Health Unit where the case or contact resides.
- 5. The Medical Officer of Health who receives the Information in paragraph 4 shall use the Information for the purposes of investigating, eliminating or reducing the risk to the health of persons created by monkeypox virus, including conducting case and contact management.
- 6. This Order takes effect immediately and shall remain in force until revoked. Dated at Toronto this 20th day of May, 2022

Dr. Kieran Moore

Chief Medical Officer of Health

to pro

For more information on monkeypox virus and communications released by the Office of the Chief Medical Officer of Health, please visit:

https://www.health.gov.on.ca/en/pro/programs/emb/monkeypox.aspx

Please refer to PHO's website for more testing information at: Monkeypox Virus | Public Health Ontario

#### APPENDIX A

#### Confirmed Case

- Laboratory confirmation of infection:
- Detection of monkeypox virus DNA by polymerase chain reaction (PCR) from an appropriate clinical specimen, **OR**
- Isolation of monkeypox virus in culture from an appropriate clinical specimen

#### **Probable Case**

- A new onset rash in keeping with monkeypox illness<sup>1</sup>, AND
- At least one (1) other acute sign or symptom of monkeypox illness<sup>2</sup>, AND
- Meets at least one (1) of the following epidemiological criteria within 21 days of their symptom onset:
  - High-risk exposure<sup>3</sup> to a probable or confirmed human case of monkeypox, **OR**
  - A history of travel to a region that has reported confirmed cases of monkeypox, OR
  - o A relevant zoonotic exposure

#### **Suspect Case**

- A new onset rash in keeping with monkeypox illness <sup>1</sup> AND
- At least one (1) other acute sign or symptom of monkeypox illness 2, AND
- An alternative diagnosis cannot fully explain the illness.

#### **Footnotes**

<sup>1</sup>Monkeypox illness includes a progressively developing rash that usually starts on the face and then spreads elsewhere on the body. The rash can affect the mucous membranes in the mouth, tongue, and genitalia. The rash can also affect the palms of hands and soles of the feet. The rash can last for 2–4 weeks and progresses through the following stages before falling off: macules, papules, vesicles, pustules, and scabs. There are case reports from North America of an atypical monkeypox virus rash that includes painful genital/oral lesion.

<sup>2</sup>Other monkeypox illness signs or symptoms include fever, lymphadenopathy, chills and/or sweats, headache, back pain/ache, sore throat and/or cough, coryza (inflammation of the mucous membrane of the nose), malaise/listlessness, prostration/distress

<sup>3</sup>High risk exposure includes living in the same household, having direct physical contact including sexual contact, and direct contact with a skin lesion or bodily fluid without appropriate personal protective equipment

APPENDIX B



☐ Other

# Ontario Monkeypox Investigation Tool

Legend   for interview with case   ◆ Sys	stem-Mandatory 🌣 Required 🚫 Personal Health information
	formation on pages 1-4 before sending to PHO. The responsible public sible for completing the remaining sections***
neutri une wii be respon	State for completing the remaining sections
Cover Sheet	
♦ Client Name: Enter name	
Alias: Enter alias	
♦ Gender: Select an option	
♦ DOB: YYYY-MM-DD	
Address: Enter address	
Enter address	
Tel. 1:	
Type: ☐ Home ☐ Mobile ☐ Work ☐ Other,	specify
Tel. 2:	
Type: ☐ Home ☐ Mobile ☐ Work ☐ Other,	specify
Email 1: Enter email address	
Email 2: Enter email address	
Is the client homeless? ☐ Yes ☐ No	◆ Physician's Name: Enter name
New Address: Enter address	<ul><li>Role: ☐ Attending Physician ☐ Family Physician</li><li>☐ Specialist ☐ Walk-In Physician</li></ul>
♦ Language:Specify	☐ Other ☐ Unknown
Translation required? ☐ Yes ☐ No	OPTIONAL
Proxy respondent	Additional Physician's Name: <u>Enter name</u>
Name: Enter name	Address: Enter address
☐ Parent/Guardian ☐ Spouse/Partner	Tel: Fax:
- Tareng Guardian - Spouse, Farmer	Role: Enter role

•	Symptoms									
C h	ncubation period ca Communicability: mo Lave crusted. Some Leadache before the	ost co cases	mmon may b	nly fron e cont	n onse	t of ini	tial lesions (typi			
	pecimen collection pecimen collection		YYYY	-MM-[	DD					
•	Symptom		<b>•</b>	Respo	nse		Use as	Onset	Onset Time	* Recovery
S	nsure that ymptoms in bold ont are asked	Yes	No	Don't Know	Not Asked	Refused	Onset (choose one)	Date YYYY-MM-DD	24-HR Clock HH:MM (discretionary)	Date YYYY-MM-DD (one date is sufficient)
F	ever							YYYY-MM-DD	HH:MM	YYYY-MM-DD
Н	leadache							YYYY-MM-DD	HH:MM	YYYY-MM-DD
	/Iyalgia muscle aches)							YYYY-MM-DD	нн:мм	YYYY-MM-DD
	atigue/ xhaustion							YYYY-MM-DD	HH:MM	YYYY-MM-DD
n	wollen lymph odes Lymphadenopathy)							YYYY-MM-DD	нн:ММ	YYYY-MM-DD
	Specify location of	swol	len lyn	nph no	des, if	applic	able:			
С	Chills							YYYY-MM-DD	HH:MM	YYYY-MM-DD
R	ash							YYYY-MM-DD	HH:MM	YYYY-MM-DD
	Macular rash							YYYY-MM-DD	HH:MM	YYYY-MM-DD
	Papular rash							YYYY-MM-DD	HH:MM	YYYY-MM-DD
	Vesicular rash							YYYY-MM-DD	HH:MM	YYYY-MM-DD

Pustular rash

If responding yes to a rash:		Specify location of rash/lesions on the body and whether these are in the same stage of development, if applicable.								
Sore throat	O O O O O O O O O O O O O O O O O O O							YYYY-MM-DD		
Cough						☐ YYYY-MM-DD HH:MM YYYY-MM:				
Back pain/ache							YYYY-MM-DD	HH:MM	YYYY-MM-DD	
Sweating							YYYY-MM-DD	HH:MM	YYYY-MM-DD	
Oral lesions							YYYY-MM-DD	HH:MM	YYYY-MM-DD	
Genital lesions							YYYY-MM-DD	нн:мм	YYYY-MM-DD	
Other, specify (e.g., scabs, other lesions)							YYYY-MM-DD	нн:мм	YYYY-MM-DD	
Note: This list is not comprehensive. There are additional symptoms listed in iPHIS.										
<b>♦</b> Complications										
☐ Secondary infec	tion	□ Ві	roncho	pneu	monia	☐ Sepsis	☐ Encephalitis			
☐ Corneal infection	n	□ N	one			☐ Other	□ Unknown			
Incubation Perio	d									
Enter onset date a	nd tin	ne, usin	g this	as da	y 0, th	en count back	k to determine the incu	bation period.		
<u> </u>										
- 21 day Select a						- 5 da Select a	=	Sele	onset ct a date & time	
Medical Risk Fact	Medical Risk Factors  Personne  Details  iPHIS character limit: 50.									
Maternal infection (e.g. infant exposed to symptomatic mother during pregnancy or during/after birth)  If yes, specify										

Are you currently pregnant?	'   _									
Have you ever received smallpox vaccine?					If yes, specify number of vaccine doses and d If yes, specify if vaccination scar present	ate of last vaccination				
Have you ever received chickenpox vaccine?					☐ If yes, specify number of vaccine doses and date of last vaccine lf yes, specify if vaccination scar present					
<ul> <li>❖ Immunocompromised</li> <li>(e.g., by medication or by disease such as cancer, diabetes, untreated HIV etc.)</li> </ul>										
Unknown					PHIS data entry – check Yes for Unknown if all o are No or Unknown.	ther Medical Risk				
Hospitalization & Treatme	nt				Mandatory in iPHIS only i	f admitted to hospital				
Did you go to an emergency room?	☐ Yes ☐ No			•	s, Name of hospital: Enter name (s): YYYY-MM-DD					
♦ Were you admitted to hospital as a result of your illness (not including stay in the emergency room)?	□ Yes □ No □ Don'	t rec	all	If yes, Name of hospital: Enter name  ◆ Date of admission: YYYY-MM-DD  ◆ Date of discharge: YYYY-MM-DD  □ Unknown discharge date						
$\rightarrow$ For iPHIS data entry – if t	he case i	s hos	pitali	ized e	enter information under Interventions.					
antibiotics or medication  No Star				Start		e: YYYY-MM-DD : Enter dosage				
Did you take over-the- counter medication?	☐ Yes☐ No☐ Don'	t rec		If yes, specify						
Treatment information can b Guide	e entere	d in ii	PHIS	unde	r Cases > Case > Rx/Treatments>Treatment as p	er current iPHIS User				

*** Note to public health units: Please complete relevant information on 5-10 before	sending pages <u>1-9</u> to PHO. The						
responsible public health unit will be responsible for completing the rem	aining sections						
Bring Forward Date:YYYYY-MM-DD							
iPHIS Client ID #: _ Enter number							
♦ Investigator: Enter name							
♦ Branch Office: _ Enter office							
♦ Reported Date:YYYY-MM-DD							
vDiagnosing Health Unit: Enter health unit							
♦ Disease: MONKEYPOX							
♦ Is this an outbreak associated case? □ No □ Yes, OB #####-###							
Is the client in a high-risk occupation/ environment?							
☐ Yes, specify: Specify ☐ No							
☐ Yes, specify: Specify ☐ No							
Verification of Client's Identity & Notice of Collection							
Client's identity verified?   Yes, <i>specify</i> :   DOB  Postal Code  Physician  No							
Notice of Collection Please consult with local privacy and legal counsel about PHU-specific Notice of Co PHIPA s. 16. Insert Notice of Collection, as necessary.	ellection requirements under						

Record of File					
♦ Responsible Health Unit	Date	◆ Investigator's Name	Investigator's Signature	Investigator's Initials	Designation
Specify	❖Investigation Start Date YYYY-MM-DD	Specify	Specify	Specify	☐ PHI ☐ PHN ☐ Other
Specify	Assignment Date  YYYY-MM-DD	Specify	Specify	Specify	☐ PHI ☐ PHN ☐ Other

Call Lo	g Details					
	Date	Start Time	Type of Call	Call To/From	Outcome	Investigator's
					(contact made, v/m, text, email, no answer, etc.)	initials
Call 1	YYYY-MM-DD		☐ Outgoing		citian, no answer, etc.,	
	TTTT-IVIIVI-DD		☐ Incoming			
Call 2	YYYY-MM-DD		☐ Outgoing			
	TTTT-WIVI-DD		☐ Incoming			
Call 3	YYYY-MM-DD		☐ Outgoing			
	TTTT-IVIIVI-DD		☐ Incoming			
Call 4	YYYY-MM-DD		☐ Outgoing			
	TTTT-WIWI-DD		☐ Incoming			
Call 5	YYYY-MM-DD		☐ Outgoing			
	TTTT-WIWI-DD		☐ Incoming			
Date le	etter sent: YYYY-I	MM-DD				

Case Details									
Aetiologic Agent	Monkeypox virus	Monkeypox virus							
◆ Classification	☐ Confirmed ☐ Probable ☐ Suspect☐ Does Not Meet Definition ☐ Epi-linked	YYYY-MIV							
<ul><li>Outbreak Case Classification</li></ul>	☐ Confirmed ☐ Probable ☐ Does Not Meet Definition	♦ Outbreak Classification Date	YYYY-MM-DD						
◆ Disposition	□ Complete       □ Closed- Duplicate-Do Not Use         □ Entered In Error       □ Lost to Follow Up         □ Does Not Meet Definition       □ Untraceable	♦ Disposition Date	YYYY-MM-DD						
	☐ Closed Initial here	♦ Status Date	YYYY-MM-DD						
♦ Status	☐ Open (re-opened) Initial here	♦ Status Date	YYYY-MM-DD						
	☐ Closed Initial here	♦ Status Date	YYYY-MM-DD						

Behavioural Social Risk	*	Res	pon	se	Detail	S	
Factors in the 5-21 days prior to onset of illness  Travel	Yes	No	Unknown	Not asked			n visited, flight details) er limit: 50.
Travel within the province in the 5-21 days prior to illness (specify)					From: Where		MM-DD <b>To:</b> YYYY-MM-DD
Travel outside the province in the 5-21 days prior to illness (specify)							
Within Canada					From: Where		MM-DD <b>To:</b> YYYY-MM-DD
Outside of Canada					Where	: Spec	MM-DD To: YYYY-MM-DD ify : Specify
	trave	l, wh					while symptomatic, obtain additional details was worn in flight and whether lesions were
Travelled to or lived in a count with endemic or known monkeyp activity in the last <u>21 days</u> (specify province/country)	ох						From: YYYY-MM-DD To: YYYY-MM-DD Where: Specify
Direct contact (e.g. touch) wit domesticated or wild animals rodents, monkeys, squirrels)							
Consumption of bush meat							
Contact with a symptomatic components	ase o	f					Specify
Full PPE worn for all interactio with the case	ns						Specify
Contact with non-intact skin/le of a symptomatic case	esion	S					Specify
<ul> <li>◆ Create Exposures Identify Expo</li> <li>→ For iPHIS data entry – record de</li> </ul>							Exposure Form as required.

High Risk Occu	igh Risk Occupation/High Risk Environment							
Are you in a high risk occupation or high risk environment (including paid and unpaid/volunteer position)?		□ Yes □ No	0					
Name of Emplo	yer / Self-employed	Enter name						
Employer Conta	act Information (name, etc.)	Enter contact	information					
Address		Enter address						
Symptomatic co	ases are to isolate for 21 days	following symp	tom onset.					
Contact Inforr	mation							
(or your child) b	of anyone who experienced s became ill? This includes thos ass, sexual partner(s), friends	e in your family		-	☐ Yes ☐ No ☐ N/A			
Contact 1								
Name	Enter name			Relation to	case	Specify		
Contact information	Enter contact information							
(phone, address, email)								
Notes	Enter notes							
Recommend co	ntact seek medical attention,	testing?	□ Yes □ No	□ N/A				

Contact 2									
Name	Ent	er name	Relation to case	Specify					
Contact information	Ent	er contact information							
(phone, address, email)									
Notes	Ent	er notes							
Recommend co	ntact	seek medical attention/testing?	☐ Yes	□No	□ N/A				
Education/Co	unse	lling		Ĺ	Discuss the relevant se	ections with case			
Person to person transmission		Close contact with respiratory secretic transmission.  Review importance of personal hygie		skin lesioi	ns of an infected pers	on increase the risk of			
Travel- related Illness		Avoid contact with sick or dead animathoroughly cook all meat, including b		_	ndemic countries.				
Outcome					Mandatory in iPHIS o	nly if Outcome is Fatal			
□ Unknown		□ ♦ Fatal							
		☐ Pending							
☐ Residual ef	fects	☐ Recovered							
If fatal, please	comp	olete additional required fields in iPHIS							
Thank you									

Thank you for your time. This information will be used to help prevent future illnesses caused by Monkeypox. Please note that another investigator may contact you again to ask additional questions if it is identified that there is a possibility that you are included in an outbreak.

\*\*\*Please fax completed questionnaires to Public Health Ontario at 647-260-7603\*\*\*

V Intervention Type	Intervention implemented (check all that apply)	Investigator's initials	◆ Start Date YYYY-MM-DD	End Date YYYY-MM-DD
Counselling			YYYY-MM-DD	YYYY-MM-DD
Education			YYYY-MM-DD	YYYY-MM-DD
(e.g., provided with fact sheet)				
ER visit			YYYY-MM-DD	YYYY-MM-DD
Exclusion			YYYY-MM-DD	YYYY-MM-DD
Hospitalization			YYYY-MM-DD	YYYY-MM-DD
Letter - Client			YYYY-MM-DD	YYYY-MM-DD
Letter - Physician			YYYY-MM-DD	YYYY-MM-DD
Other (i.e., contacts assessed, PHI/PHN contact information)			YYYY-MM-DD	YYYY-MM-DD
→ For iPHIS data entry – enter inform	ation under Cases > C	ase > Interventions.		
Progress Notes				
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# AT A GLANCE

# Infection Prevention and Control (IPAC) Recommendations for Monkeypox in Health Care Settings

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## **Transmission**

Monkeypox virus can be transmitted from animals-to-humans (i.e., zoonotic transmission) or person-to-person by contact with infected lesions, skin scabs, body fluids or respiratory secretions. It can also be transmitted by contact with materials contaminated with the virus (e.g., clothing, bedding).<sup>1-4</sup>

Historically, there has been limited person-to-person transmission.<sup>3,4</sup> The primary mode of person-to-person transmission has been through respiratory secretions and direct contact with skin lesions or a patient's items that have been contaminated.<sup>2,4</sup> However, given the respiratory system involvement during infection, the possible transmission during the prodromal period and similarities to variola virus (smallpox), the potential for airborne transmission has been suggested.<sup>1-4</sup>

The incubation period averages 7 to 14 days (range 5 to 21 days). A person is most commonly contagious from the onset of initial lesions (typically on the tongue and in the mouth), until scabs have fallen off and new skin present. Some cases may be contagious during their early set of symptoms (prodrome) such as fever, malaise, headache before the rash develops.<sup>2</sup>

# IPAC Precautions in All Health Care Settings

In addition to Routine Practices, the following Additional Precautions - Airborne/Droplet/Contact Precautions are to be used.<sup>1</sup>

#### **Room Placement:**

- Airborne isolation rooms (AIR) with negative pressure ventilation.<sup>1,5</sup>
- When AIRs are not available, the patient can be placed in a single room with the door closed with dedicated toileting facility.
- If neither option is feasible, then precautions should be taken to minimize exposure to surrounding individuals such as having the patient don a medical mask over their nose and mouth as tolerated and covering exposed skin lesions with clothing, sheet or gown as best as possible.

Hand hygiene as per the Four Moments of Hand Hygiene.<sup>6</sup>

#### Personal Protective Equipment (PPE) for health care workers:

- Fit-tested and seal checked N-95 respirator (or equivalent); perform seal check after donning N95 respirator.
- Gloves
- Gown
- Eye protection (e.g., face shields or goggles)

**Duration:** Additional Precautions are maintained until all scabs have fallen off and new skin is present.

**Patient Transport:** Have the patient wear clean clothes/gown, wash their hands, wear a medical mask and cover their lesions to the best extent possible for transport.

**Laundry:** Special handling of linen from patients on Additional Precautions is not required. Care should be taken in the handling of soiled linen to prevent dispersal of microorganisms.<sup>1,5</sup>

**Waste disposal:** Containment and disposal of contaminated waste (e.g., dressings) in accordance with facility-specific guidelines for infectious waste.

**Environmental cleaning:** Healthcare-grade cleaning and disinfecting agents, with a Drug Identification Number (DIN) are appropriate for cleaning and disinfection of environmental surfaces and shared equipment in the patient care environment. Follow the manufacturer's recommendations for dilution and contact time.<sup>1,5</sup>

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