

2024 Updates in Red

Mpox (formerly known as Monkeypox)

Mpox (formerly known as Monkeypox) is a rare infectious disease caused by the mpox virus (MPXV), genus orthopox. Mpox virus is related to, but distinct from, the viruses that cause smallpox (variola virus) and cowpox. Cases of mpox are usually found in central and western Africa and it is uncommon to find cases outside of that geographic area. There are two genetically distinct clades (subgroups) of mpox virus, with different human clinical and epidemiological manifestations: Clade I (formerly known as the Congo Basin or Central African clade) is associated with human-to-human transmission and case fatalities historically reported of 10%. Clade II (formerly known as the West African clade) mpox, manifests with limited human-to-human transmission, and with a case fatality rate of 1%. Clade II is further subdivided into subclades IIa and IIb. ^{10.12}

In 2022, there was a multi-country outbreak of mpox cases including clade IIb cases detected in Canada. Since then, cases continue to be detected in Canada. ^{10.6}

Infection Prevention & Control (IP&C) Measures









		LONG TERM CARE	COMM	IUNITY	
ELEMENT	ACUTE CARE		CLINIC SETTING	HOME SETTING	
	CLEAN YOUR HANDS according	to the <u>4 moments of Hand Hygiene</u> : /resident/client (PBC) or PBC environment (contact		
HAND HYGIENE	Moment 2: BEFORE aseptic/clean Moment 3: AFTER body fluid expo	procedure osure risk			
	Moment 4: AFTER PRC or PRC env	rironment contact			
PERSONAL PROTECTIVE EQUIPMENT (PPE)	 PPE for Mpox includes: Long sleeved gown N95 Respirator, equivalent or higher-level respirator Fit tested Seal checked before entry Face or eye protection Gloves Requirements Hand hygiene must be performed before donning PPE, and during and after the doffing PPE process Don all PPE prior to entering patient room, following established protocols (PPE Donning (English); PPE Donning (French)) Doff all PPE (including N95 respirators) after each patient contact, following established protocols (PPE Doffing (English); PPE Doffing (French)). Faith or cultural head coverings do not require covering or removing 				



		COMMUNITY			
ELEMENI	ACUTE CARE	LONG TERM CARE	CLINIC SETTING	HOME SETTING	
TRIAGE	Ask PRC to perform hand hygiene, and put on a medical mask Cover any lesions as best as possible with clothing, sheet gown, or a dressing ^{10.5} ^{10.10} Place them in an AIR or single room with the door closed with a dedicated toilet or commode as soon as possible An Airborne Isolation Room (AIR) is not necessary, but may be used while ruling out other infectious diseases (e.g., varicella or measles are part of the differential diagnosis). ^{10.10}	N/A	If booking an appointment for suspected mpox, tell PRC to: Wear a well-made, well- fitting medical mask and cover any lesions with clothing or bandages ^{10.6} Consider booking their appointment at the end of the day, if possible. PRC presents at clinic, and it is known they have mpox or states they may have mpox: On arrival immediately provide PRC with a medical mask. Ask them to perform hand hygiene, and change their mask to a medical mask if wearing one Place them in a clinic room with the door closed as soon as possible.	If PRC states they may have mpox or are confirmed to have mpox If known before visit: Ask PRC to wear a well-made, well- fitting mask and cover any lesions with clothing or bandages, prior to HCW arrival. ^{10,6} Don appropriate PPE If not know until time of visit: Immediately excuse yourself from the room and perform hand hygiene and don PPE.	



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		LONG TERM CARE	COMM	UNITY
ELEMENT	ACUTE CARE		CLINIC SETTING	HOME SETTING
ADMISSION SCREENING	Screening PRCs for signs and part of Routine Practices (e.	d symptoms of any communicable g., PCRA). <u>10.5 10.10</u>	disease (e.g., fever, chills,	malaise, etc) is
ACCOMMODATION	 Place an PRC with suspect, prinfection in an AIR or a single with a dedicated toilet or correspondence of the dedicated to the dedicated t	robable or confirmed mpox room with the door closed nmode AIR) is not necessary, but other infectious diseases part of the differential sms known to spread via the ell as those with a respiratory re prioritized for AIR g the room empty to allow for y with mpox. ^{10.10}	Single clinic room	Stay home and, as much as possible, isolate in a separate area away from other household members (e.g. private room for sleeping and washroom) Where possible, avoid areas commonly used by others in the home If PRC does not have somewhere to isolate, have them contact Public Health 10.6 Only leave isolation to access urgent medical care or for other similar emergencies. 10.6



COHORTING	 If a single room is not available, then precautions should be taken to minimize exposure to surrounding individual: ✓ Have the PRC don a medical mask over their nose and mouth (and wear as tolerated) ✓ Maintaining spatial separation (i.e., seated away from others, maximizing the distance between beds) ✓ Covering exposed skin lesions with clothing, sheet or gown as best as possible 10.10 ✓ Contact your site, program, area's Infection Control Professional (ICP) or designate to determine the best options for cohorting. 10.10 	



				OMMUNITY	
	ACUTE CARE		CLINICS	HOME VISITS	
ENVIRONMENT/ EQUIPMENT CLEANING	 Be vigilant with routine Infection Prohand hygiene, cleaning and disinfect care environment according to usual Use facility-approved disinfectants for disinfection (i.e., Accel Intervention) Follow manufacturer's recommendation handling. Accel Intervention requires Avoid cleaning activities that could restrict or dry dusting ✓ sweeping ✓ vacuuming ^{10,3} Wet cleaning methods are preferred. Increase frequency of cleaning and or twice daily and when visibly soiled Dedicate non-critical patient care equal reusable equipment with facility-tisolation room. Equipment and suppresided On discontinuation of precautions/discarded 	evention and Control (IP&C) practing equipment, and cleaning and I protocols or equipment and environmental ations for concentration, contact the sa 1-minute wet contact time esuspend dried material from lesi disinfection of high-touch surfaces uppment to a single patient. Clea approved disinfectant prior to remolies that cannot be cleaned/disin ischarge of patient, privacy curtai	tices, including disinfecting the cleaning and ime and care in ions: s to at least n and disinfect noval from fected must be ins must be	Follow Routine Practices for cleaning and disinfecting of equipment that leaves the home/goes between homes Avoid cleaning activities that could resuspend dried material from lesions: dry dusting sweeping vacuuming 10.3 Wet cleaning methods are preferred.	



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ELEMENT	ACUTE CARE		COMMUNITY		
			CLINICS	HOME VISITS	
Laundry	Wear <u>PPE as outlined</u> above d Handle soiled laundry/linen (e material that may be present handle in manner that may di Bag linen in a leak-proof bag, area. Only fill bag 2/3 full. Ba Use standard medical laundry standard washing machine wi	luring collection and bagging of a e.g., bedding, towels, personal cle on the laundry. Gently and pron sperse infectious particles into th sealed, or tied and placed inside ags to be sealed in the room befo facilities, whenever they are avain th hot water (70°C) with deterge	all linens at the po othing) in a manr nptly contain soil ne air and onto so an impermeable ore removal. ailable. If not ava ent and complete	oint of use her to avoid contact with lesion ded linen; do not shake or urrounding surfaces. bag for transport to laundry ailable, wash items in a dy dry in a commercial dryer. Wear an N95, gown and	
				disposable gloves to handle contaminated laundry The gloves and gown should be properly disposed of after each use. Do not reuse PPE for any other tasks. Do not use same PPE to handle clean laundry Wash any exposed skin that may have come in contact with contaminated laundry with soap and water. ^{10.6}	



ELEMENT		LONG TERM CARE CLINICS HOME V	MUNITY		
	ACUTE CARE		CLINICS	HOME VISITS	
PATIENT TRANSPORT Transport within	Notify Receiving Department, unit, program in advance, re: PRC on Additional Precautions (Contact, Droplet and Airborne) for contact, suspected or confirmed mpox. Follow steps i – vi in section directly below.				
Transport between facilities	 Notify Patient Transport Services/Eme Precautions (Contact, Droplet and Airb Notify receiving facility in advance, re: contact, suspected or confirmed mpox i. PRC and staff to perform hand ii. PRC to wear a medical mask du essential purposes only) iii. Staff to wear <u>PPE as outlined al</u> the PRC in their room to assist wearing and don new PPE to as iv. Cover skin lesions with a clean must be used. v. If the PRC's bed or personal wh with disinfectant and allow req vi. Disinfected handles of the transhave direct contact with the page 	rgency medical services (EMS) in advant porne) for contact, suspected or confirm PRC on Additional Precautions (Contact hygiene uring transport, and when outside of isc bove. Staff shall not wear the same PP with transport. Once out of the room, ssist with transport. gown, clothes, sheet, or bandages. If le heelchair is used for transport, wipe the uired wet contact time before removin sport chair or stretcher or the PRC bed tient or patient equipment.	Ice, re: PRC on Ad ned mpox. It, Droplet and Airk olation room (for n E they wore to ent staff shall doff the esions are weeping e steering handles g it from the room are considered cle	ditional borne) for nedically ser and assist PPE they are g, bandages and side rails n. ean until gloves	



PATIENT TRANSPORT cont'd Discharge	PRC to preform hand hygiene. Follow steps ii - iv in section directly above PRC and accompanying individuals should not take public transport with multiple passengers (e.g., bus). <u>Preferred option</u> : Use private yehicle with "previously	See "Discharge" direction under Acute Care	
	 members) or immune individuals. If not possible, contact your site, program, area's ICP or designate to discuss best options. 		



ELEMENT	ACUTE CARE	LONG TERM CARE	COMMUNITY
PREVENTION	Prompt identification and management of Vaccination can protect people, but no va ways to reduce the risk of exposure, whet More information on the vaccine used to	f cases and contacts ccine is 100% effective. It is important to le ther or not they have been vaccinated. See I protect against mpox, can be found in the <u>N</u>	t your PRC know other Discharge Teaching <u>Mpox Vaccine</u> factsheet. ^{10.6}
CONTACT FOLLOW-UP	 IP&C will perform facility-based contact to healthcare workers) All contacts exposed to the case from the scabs have fallen off and there is intact sk should be followed-up^{10.8} IP&C will determine if the contact is high, Appendix A) Where there are high risk contacts, in add symptoms for 21 days after last exposure, post-exposure prophylaxis with a vaccine Contacts of cases are monitored for 21 day signs/symptoms consistent with mpox. Is symptoms develop. Contacts who develo mpox shall be immediately isolated, ICP/d Diseases consulted IP&C/designate will report patient contact Manitoba Health via the <u>Clinical Notificati</u> <u>Conditions form</u>. 	racing of those receiving care (i.e., not onset of symptoms and until all the in underneath (about 3-4 weeks), intermediate, or low risk (see lition to monitoring for signs and , ID must be consulted to consider effective against mpox tys for development of olation is not required unless p signs/symptoms compatible with lesignate contacted, and Infectious ts of cases/exposure to a case to on of Reportable Diseases and	Public Health will conduct all the contact follow up in the community. Refer to Section 7.2: "Management of Contacts" in the Communicable Disease Management Protocol: Mpox (Orthopoxvirus) Infection. Province of Manitoba, Public Health Branch. https://www.gov.mb. ca/health/publichealt h/cdc/protocol/mpox. pdf



ELEMENT			COMM	IUNITY
	ACUTE CARE	LONG TERM CARE	CLINICS	HOME SETTING
DISCHARGE TEACHING	Mpox is currently being transmitted	through close, sustained physical contact. Thi	is includes sexua	l contact.
Confirmed Case ^{10.7}	 Stay home and, as much as private room for sleeping an Where possible, avoid areas Surfaces/objects in common and disinfected If case does not have somew Only leave isolation to access isolation, wear a well-made, bandages Avoid directly touching othe After being deemed no longe 12 weeks Avoid contact with those at pregnant women, and childr Cover any lesions (e.g., long Avoid sharing items or object materials used or worn by th handling and laundering the laundry to clean their hands Cases should also be responsed <u>Clean hands</u> often (washing sanitizer) 	bossible, isolate in a separate area from other lad washroom) or facility residents commonly used by others in the home/reside a spaces that may be accessed by the cases sho where to isolate, have them contact Public Hea s urgent medical care or for other similar emer well-fitting medical mask and cover any lesion r people, including through sexual contact er contagious, cases should wear a condom du higher risk of severe mpox illness including imr ren under 12years of age pants, sleeves, bandages) ets or exposing other people to clothes, towels, he infected person. Unless unable to do so, cas ir own clothing, bedding, towels, etc. instruct immediately after handling soiled laundry sible for handling and washing their own utens with soap and water for at least 15 seconds or	household mem nce build be adequate lth rgencies. When is with clothing of ring any sexual a munosuppressed , bedding, linens ses should be res those responsib sils and dishes using alcohol-ba	bers (e.g. ely cleaned out of or activity for d people, d, or other sponsible for le for ased hand



Confirmed Case Cont'd	 ✓ Follow <u>Respiratory Hygiene</u> ✓ If breastfeeding, cases should seek advice from their healthcare provider ✓ Do not donate blood or any other body fluid (including sperm) or tissue ✓ Avoid contact with animals, including household pets as the virus can spread to animals ✓ Call ahead, if seeking health care, and let them know you have symptoms of mpox to avoid exposing other people. Wear a well-made, well-fitting medical mask and cover any lesions with clothing or bandages.
Close Contacts ^{10.7}	 <u>Clean hands</u> often (washing with soap and water for at least 15 seconds or using alcohol-based hand sanitizer) Follow <u>Respiratory Hygiene</u> Consider wearing a well-fitting medical mask around others in enclosed indoor spaces Do not donate blood, cells, tissue, breast milk, semen, or organs during the 21 days after the last exposure Avoid all sexual contact during the monitoring period Avoid non-essential interactions in enclosed indoor settings with those at higher risk of severe mpox illness including congregate settings (e.g., personal care home, assisted living facilities, etc.), immunosuppressed people, pregnant women, and young children. If this is unavoidable, consider wearing a well-fitting medical mask in these settings To prevent possible spread to animals, including pets, livestock, and wildlife, have someone else care for your animals. If this is not possible, wear a well-fitting medical mask and gloves when near the animals. Clean hand often (washing with soap and water for at least 15 seconds or using alcohol-based hand sanitizer) before and after contact with the animal or items they have had contact with, and before putting on and after talking off gloves If symptoms develop, isolate at home, and follow guidance above to prevent spread to others. Notify public health Or Health Links – Info Santé (204-788-8200 or toll-free at 1-888-315-9257) of your symptoms. You should be assessed by your health care provider. Call ahead and let them know you have been exposed to mpox and have symptoms, to avoid exposing other people. Wear a well-fitting medical mask and cover any lesions.
	Adapted from: Manitoba Health (2023). Mpox (monkeypox). <u>https://www.gov.mb.ca/health/publichealth/diseases/mpox.htm</u> Please periodically check MB Health mpox website for any updates or changes related to PRC education regarding mpox.



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ELEMENT			COMN	IUNITY
	ACUTE CARE	LONG TERM CARE	CLINICS	HOME SETTING
VISITOR / ACCOMPANYING INDIVIDUAL/ DESIGNATED CAREGIVER MANAGEMENT	As directed on the Additional Pre- report to the nursing station before Only close (essential) Visitors/Accor- should be allowed (close family me- emotional support as specified by the original support as specified by the Visitors/AI/DC should have Visitors/AI/DC should have Visitors/AI/DC should have Visitors/AI/DC should have Visitors/AI/DC should have Visitors/AI/DC should have Visitors/AI/DC should have Visitor visitor Visitor visitor Visitor visitor Laborator Visitor/AI/DC must Ceducate the visitor/AI/DC of The risk to the heal The risk of the visitor The ability of the visitor	cautions sign, visitors are to ore entering the room ompanying Individuals (AI)/Designated Caregiv embers and those providing care, including ess the person or alternate decision maker) ir hands when entering and exiting the room access to the same PPE as staff d hygiene and use of PPE as necessary, includi tor/AI/DC how to seal check an N95 Respirato N95 respirator the protection afforded by this I as it has not been FIT tested ^{10.8} be made aware of this risk. on: th of the visitor/AI/DC or to spread infection sitor/AI/DC to follow precautions.	ers (DC) ential ng an N95 r respirator	Discourage visitors Advise case to avoid contact with those at higher risk of severe mpox illness including immunosuppr essed people, pregnant women, and children under 12years of age.



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1. EPIDEMIOLOGY / CAUSE

Mpox is caused by the monkeypox virus (MPXV), an Orthopoxvirus related to vaccinia, cowpox, andvariola (smallpox) viruses. 10.7

2. **DEFINITIONS**

Confirmed Case: A person who is laboratory confirmed for mpox virus by detection of unique sequences of viral DNA either by real-time polymerase chain reaction (PCR) and/or sequencing.

Probable Case: A person of any age who presents with an unexplained rash or lesion(s), AND has one or more of the following:

- 1. An epidemiological link to a probable or confirmed mpox case in the 21 days before symptom onset, such as:
 - Face-to-face exposure, including health workers without appropriate personal protective equipment (PPE)
 - Direct physical contact, including sexual contact; or contact with contaminated materials such as clothing or bedding
- 2. Reported travel history to, or residence in, a location where mpox is reported in the 21 days before symptom onset.

Suspect Case: A person of any age who presents with one or more of the following:

- 1. An unexplained acute rash AND has at least one of the following signs or symptoms
 - Headache
 - Acute onset of fever (>38.5°C),
 - Lymphadenopathy (swollen lymph nodes)
 - Myalgia (muscle and body aches)
 - Back pain
 - Asthenia (profound weakness)

Note: It is not necessary to obtain negative laboratory results for listed common causes of rash illness in order to classify a case as suspected.

2. An unexplained acute genital, perianal or oral lesion(s).



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3. CLINICAL PRESENTATION (SIGNS & SYMPTOMS)

Symptoms $\frac{10.6}{2}$ are typically "flu-like". These typically occur 0 – 5 days before the appearance of rash (lesions) $\frac{10.5}{2}$ and can include:

- fever
- headache
- muscle aches
- back aches
- chills
- exhaustion
- swollen lymph nodes

However, they may occur during or after the onset of rash (documented in the 2022 outbreak).

Several days after these symptoms appear, a rash may appear anywhere on the body, but is typically found on the face, palms of the hands and soles of the feet. The lesions progress through four stages (macular, papular, vesicular to pustular) before scabbing over and resolving, over a period of two to three (3) weeks. Close intimate contact during sex is known to be a risk factor, and the lesions may start and be localized to the sites of contact (e.g. genital lesions). ^{10.6}

Mpox illness is usually self-resolving within a period of 2 to 4 weeks. The severity of illness depends on the health of the infected individual, how they were exposed, and the strain of the infecting virus. There are two clades or strains. Clade II (formerly known as the West African strain), which had been identified in the global outbreak of 2022 (caused mostly by clade IIb virus), typically causes milder illness than clade I (formerly known as the Congo Basin or Central African strain). In previous outbreaks, mpox infection has caused death in between 0 to 10 percent of those infected, with the higher rate seen among those infected with clade I. ^{10.6}



Images courtesy of Sunnybrook Hospital Monkeypox Summary (2022)



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Treatment for mpox is mainly supportive. For severe cases, consult infectious diseases for consideration of antivirals.

COMPLICATIONS

Young children and immunocompromised individuals might be at increased risk of complications, which may include: 10.5

- proctitis
- pharyngitis
- bacterial superinfection
- corneal infection (may lead to vision loss)
- sepsis

- pneumonia
- myocarditis
- encephalitis
- death

4. ROUTE OF TRANSMISSION

Mpox does not generally spread easily between people. Current evidence suggests that mpox spreads in 4 ways:

- 1. FROM PERSON TO PERSON including:
 - i. Direct contact with an infected person's lesions or scabs on the skin (even if not visible) or mucous membranes (e.g., eyes, nose, mouth)
 - ii. Contact with an infected person's body fluids such as blood, saliva, and semen
- iii. Through respiratory particles, such as from talking, breathing, coughing, or sneezing (usually requires prolonged (hours) close face-to-face contact)
- 2. **INDIRECT CONTACT** with contaminated objects used by or with an infected person (e.g., medical equipment, furniture, high touch surfaces, clothing, linens, towels etc)
- 3. **FROM ANIMALS TO HUMANS** e.g., via a bite or scratch or through meat preparation or consumption of undercooked infected meat
- 4. Transmission from mother to infant via vertical transmission across the placenta ^{10.2 10.5} (which can lead to congenital mpox) or during close contact during or after birth.



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5. INCUBATION PERIOD

The incubation period of monkeypox virus averages 6 to 13 days (range 5 to 21 days).

6. PERIOD OF COMMUNICABILITY

An individual with mpox infection is considered infectious from the start of their symptoms, including prodromal symptoms, and until the rash/lesions have scabbed, fallen off, and new skin is present. This also includes the healing of all mucosal surfaces (mouth, throat, eyes, vagina and anorectal area). At this time, it is not known with certainty if a person can transmit the infection before they become symptomatic. ^{10.5}

7. DIAGNOSIS

Clinical diagnosis of mpox can be difficult, and it is often confused with other infections such as syphilis, herpes simplex virus (HSV) infection, chancroid, varicella zoster and other common infections. Clinicians should be vigilant and consider mpox in their differential diagnosis if the individual reports travel and possible exposure to other cases including through sexual contact.

7.1 Screening/Specimen Collection

Routine laboratory testing should be performed to rule out other more common diagnoses.

Consult Infectious Diseases for further advice on laboratory testing, diagnosis, and treatment.

Following consultation with Infectious Diseases, if mpox is considered, send the following specimens to Cadham Provincial Laboratory (CPL) for mpox polymerase chain reaction (PCR), and notify CPL in advance of submitting specimens. On the CPL requisition, clearly indicate the differential diagnosis and relevant exposures, and the request for "mpox PCR". Before submitting specimens, notify the CPL physician on call by calling HSC paging at 204-787-2071. Note special packaging is required for transport of specimens.

- Flocked swab of the lesion fluid. Place the swab in a sterile 100 ml urine container or sterile 5-10 ml CSF conical bottom sample tube. Transport media is not required.
 - Please note: testing for other cutaneous or mucosal viruses requires another flocked swab in viral/universal transport medium (VTM). A swab submitted in VTM can be processed for mpox PCR as well as other viruses



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- Scab or crust material. Place in a sterile 100 ml urine container or sterile 5-10 ml CSF conical-bottom sample tube. Transport media is not required.
- Nasopharyngeal (flocked) swab in VTM (note this is optional as is not the mpox specimen of choice, however is quite useful for detecting other more common causes of similar presentations such as Coxsackievirus)
- Depending on the clinical presentation, other specimens may be recommended by Infectious Diseases
 - Note: serology for mpox is not available
- Specimen transport: Transport Canada requires shipping and transport of mpox specimens to follow Category B shipping and certification, as per the <u>temporary certificate</u>. ^{10.11}

8. SPECIAL CONSIDERATIONS

8.1 Maternal and newborn

Data regarding mpox infection in pregnancy are limited. It is unknown if pregnant people are more susceptible to mpox or if infection is more severe in pregnancy. Mpox can be transmitted to the fetus during pregnancy (and result in congenital mpox) or to the newborn by close contact during and after birth. Adverse pregnancy outcomes, including spontaneous pregnancy loss and stillbirth, have been reported in cases of confirmed mpox during pregnancy. Preterm delivery and neonatal mpox have also been reported. The frequency and risk factors for severity and adverse pregnancy outcomes are not known Women or persons with active mpox infection should not breastfeed. There is no evidence that cesarean delivery will prevent neonatal mpox in the context of maternal/parental mpox infection. For antenatal mpox resolved by the time of delivery, mode of delivery should be determined based on obstetrical factors exclusively. In the context of active isolated genital lesions, cesarean delivery is recommended $\frac{10.2 \times 10.10 \times 10.12}{10.10 \times 10.12}$

If the baby is born through active lesions (either via vaginal or cesarean delivery) or during presumed/confirmed viremia, monitor infant for signs of compromise due to mpox infection.

8.1.1 Guidance Scenarios

Mother or birthing parent is positive and still considered to be actively infected:

- Isolate the infant AWAY from the mother or birthing parent, unless infant is also determined to be positive
- If the infant is also positive, they may be isolated with the mother or birthing parent



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Actively infected mother or birthing parent wanting to have supervised contact with the infant during the infectious period ^{10.2}

- Inform them about the risk of transmission and potential of severe disease in newborns
- Strict precautions should be followed:
 - o No direct skin-to-skin contact
 - Newborn should be fully clothed or swaddled. After contact remove and replace newborn's clothing and blankets
 - Mother or birthing parent shall:
 - Perform hand hygiene before and after contact
 - Wear the following PPE:
 - Gown
 - Gloves
 - Mask
 - After contact period with the newborn:
 - Have mother or birthing parent immediately remove all PPE and perform hand hygiene
 - All linens used should be placed in laundry by staff wearing <u>appropriate PPE</u>

Mother or birthing parent is suspected due to suspicious lesions/illness and a history of potential exposure:

• Isolate infant AWAY from mother or birthing parent until after incubation period if mother or birthing parent remains negative

Mother or birthing parent is suspected due to compatible lesions and no history of exposure:

• Isolate infant AWAY from mother or birthing parent until diagnosis is determined as NOT mpox

Mother or birthing parent is asymptomatic and a history of exposure:

• Isolate infant AWAY from mother or birthing parent until after incubation period, if remains asymptomatic

Mother or birthing parent want to breast feed:

• Breast feeding should be delayed until mother or birthing parent is off additional precautions

Stillbirths and products of conception in from pregnancies affected by mpox should have PCR testing:

- Specimen(s) collected at the source before sending to Pathology.
- If there are lesions, they should be swabbed.



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- If no lesions, collect an appropriate tissue specimen.
- For non-placental products of conception, swabs of mucosal surfaces, lesions, or other affected surfaces should be submitted.

9. OCCUPATIONAL & ENVIRONMENTAL SAFETY AND HEALTH (OESH)

Contact Occupational and Environmental Safety and Health (OESH) for staff assessment and/or concerns.



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10. **REFERENCES**

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- 10.10 Public Health Ontario (June, 2022). Infection Prevention and Control (IPAC) Recommendations for Monkeypox in Healthcare settings. Accessed August 14th, 2024: <u>https://www.publichealthontario.ca/-/media/Documents/M/2020/monkeypox-ipac-recommendations-healthcare-settings.pdf?sc_lang=en</u>
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Appendix A

Appendix I: Exposure Risk Levels

Risk of Exposure	Description	Examples
High	 Prolonged or intimate contact, including: Skin/mucosa to skin contact with a case (regardless of the case's lesion location) Skin/mucosa contact with a case's biological fluids, secretions, skin lesions or scabs Skin/mucosa contact with surfaces or objects contaminated by a case's secretions, biological fluids, skin lesions or scabs Face-to-face interaction with a case, without the use of a medical mask by the case or contact 	 Household members (e.g., family member, roommate) Intimate or sexual contact* Providing direct physical care without appropriate personal protective equipment (PPE) High risk environmental contact (e.g., cleaning potentially contaminated rooms without wearing appropriate PPE) Skin/mucosa contact with a case's unwashed bedding, towels, clothing, lesion dressings, utensils, razors, needles, sex toys, etc.
Intermediate	 Not meeting high-risk exposure criteria above AND: Limited or intermittent, close proximity exposure to a case without wearing adequate PPE for the type of exposure risk (i.e., medical mask and gloves) Shared living space where there are limited interactions with a case or their belongings. 	 Sitting next to case on plane Person sharing close proximity workspace for long periods of time
Low	 Not meeting the high- or intermediate-risk exposure criteria above AND: Very limited exposures to a case (e.g., no direct contact, and not close, face-to-face interaction). Wearing adequate PPE for the type of exposure risk (i.e., medical mask and gloves) 	 Brief social interactions Colleagues not sharing a confined or close-proximity office space

Manitoba Health (January, 2024). Communicable Disease Management Protocol: Mpox (Orthopoxvirus) Infection. Province of Manitoba, Public health Branch. https://www.gov.mb.ca/health/publichealth/cdc/protocol/mpox.pdf

*Contacts with very high-risk interactions with the case (e.g., intimate or sexual contact) during the pre-symptomatic phase (up to 4 days prior to symptom onset), should also be identified for follow-up. ^{10.8}