Winnipeg Regional Health Authority Caring for Health À l'écoute de notre santé	Long Term Care Infection Prevention and Control Program							
	Management of Scabies in Long	Term Care Facilities						
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Operational Guideline	Approval Signature:	Supercedes: Scabies in Long Term Care Facilities , Management of October 29, 2015						
	Date of Approval:	0000001 23, 2013						
	March 19, 2019							
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	March 2022							

# 1.0 **PURPOSE:**

- 1.1 To prevent infestations and outbreaks of Scabies within Long Term Care Facilities in the Winnipeg Health Region.
- 1.2 To effectively detect, diagnose, treat and prevent transmission of scabies within Long Term Care Facilities in the Winnipeg Health Region.

# 2.0 **DEFINITIONS:**

- 2.1 <u>Crusted Scabies:</u> (also known as Norwegian or Keratotic Scabies). An uncommon clinical syndrome characterized by crusted lesions caused by many infesting Scabies mites on any part of the body. Undiagnosed Crusted Scabies is often the source of institutional outbreaks.
- 2.2 <u>Exposure to Typical Scabies</u>: Direct skin-to-skin contact with the person infested with Scabies during the period of communicability (4-6 weeks before symptoms develop until 24 hours after initiation of treatment). Indirect, by contact with personal articles (e.g., clothes, bedding) of a person infested with Scabies.
- 2.3 <u>Exposure to Crusted Scabies:</u> Minimal direct or indirect contact with the person infested with Scabies during the period of communicability (4-6 weeks before symptoms develop until 24 hours after initiation of treatment). Only minimal contact is required with Crusted Scabies because of the large number of mites present on the source person. Indirect exposure to Crusted Scabies can include exposure to the heavily infested individual's clothing, bedding, other personal fabric articles and/or furniture.

- 2.4 <u>Outbreak</u>: The occurrence in a facility/unit of cases of an illness with a frequen clearly in excess of normal expectancy. The number of cases indicating an outbreak will vary according to the infectious agent, size and type of population exposed, previous experience or lack of exposure to the disease, time and place of occurrence. Therefore, the status of an outbreak is relative to the usual frequency of the disease in the same facility/unit, among the same population, at the same season of the year.
- 2.5 <u>Scabicide</u>: A medication used to treat Scabies.
- 2.6 <u>Scabies</u>: A skin infestation caused by a mite; *Sarcoptes scabiei* subspecies *hominis*.
- 2.7 <u>Scabies Outbreak</u>: Consider the possibility of an outbreak if a health care worker or a resident in the personal care home meets the criteria for diagnosis of Scabies.
  - *Typical Scabies* Consider the possibility of an outbreak if more than one person in the site meets the criteria for diagnosis of Scabies.
  - *Crusted Scabies* Consider the likelihood of an outbreak when only one case of Crusted Scabies is identified.
- 2.8 <u>Terminal Cleaning</u>: Refers to the process for cleaning and disinfection of resident accommodation undertaken upon discharge of any resident or on discontinuation of precautions. The resident room, cubicle, or bed space, bed, bedside equipment and environmental surfaces and sink and bathroom should be thoroughly cleaned before another resident is allowed to occupy the space. The bed linens should be removed before cleaning begins.
- 2.9 <u>Typical Scabies</u>: An infestation of Scabies producing the classic presentation of: intense pruritus (itching), widespread papules (bumps), and winding burrows a millimeter or two in length in the spaces between the fingers or on the forearm. Pruritus (itching) is caused by irritation from the eggs, feces, and saliva of the mite, which reproduces in the spaces between the fingers, toes, and genital regions of residents infested with Scabies. The usual response is to scratch, killing the mite and therefore keeping the numbers of infesting organisms low. If left untreated, typical Scabies may progress to Crusted Scabies.

# 3.0 TRANSMISSION:

3.1 Transmission of the mite is by direct skin-to-skin contact. A person infested with Scabies can spread Scabies even if they have no symptoms. Indirect contact can occur from undergarments, or bedclothes contaminated by a person with untreated Scabies to an uninfected person. Scabies can be easily passed by an infected person to their household members, bed partners and sexual partners. Transmission can occur as long as the person infested with Scabies remains

untreated and until 24 hours after treatment. The mites do not live for more t 3 to 4 days without contact with skin.

- 3.2 The incubation period is 2-6 weeks; however re-infestation can provoke symptoms in 1-4 days.
- 3.3 Crusted Scabies is highly infectious because of the large number of mites in the exfoliating skin scales. Minimal, unprotected contact is all that is required for transmission.

# 4.0 **PREVENTION:**

- 4.1 Early detection, treatment, and implementation of appropriate precautions and infection control practices are essential in preventing Scabies Outbreaks. An aggressive approach to preventing and controlling Scabies in institutions, particularly when Crusted Scabies is confirmed or suspected, is recommended in the literature.
  - 4.1.1 All facilities should maintain a high index of suspicion that undiagnosed skin rashes and conditions or skin conditions that are not responding to treatment may be Scabies even if characteristic signs and/or symptoms of Scabies are absent (e.g., no itching).
  - 4.1.2 On admission/move in, all residents should be assessed for:
    - Any history or clinical findings consistent with Scabies
    - Skin lesions and rashes
    - Epidemiological linkage to a confirmed case of Scabies direct skin to skin contact with an individual diagnosed with Scabies (e.g., co-patient, co- resident, visitor, family, friend, other). Indirect, by contact with personal articles (clothes, bedding) of a person infested with Scabies.

# 5.0 Control and Management

- 5.1 Assessment and Diagnosis
  - 5.1.1 For Typical Scabies:

Immediately upon suspicion of Typical Scabies, implement Contact Precautions (e.g., gowns, gloves) for direct contact only. Maintain precautions until 24 hours after the start of effective treatment.

5.1.2 For Crusted Scabies:

Immediately upon suspicion of Crusted Scabies implement Contact Precautions. Maintain precautions until the resident's rash resolves ideally in conjunction with negative skin scrapings.

- 5.1.3 Document any skin lesions or rashes the resident(s) has as well as symptoms such as itching in the Integrated Progress Notes (IPN). Contact the resident's attending physician/nurse practitioner and the site infection control professional (ICP)/designate if Scabies is suspected. Appendix A can be used within sites to promote timely diagnosis.
  - 5.1.3.1 Scabies mites are more active after baths and at night. Interview the resident and record their responses in the IPN as increased itching at these times increases the index of suspicion for Scabies. Also consider the possibility of increased responsive behaviours surrounding bathing and bedtime as potential symptoms of increased Scabies activity in individuals who suffer from cognitive impairment and/or aphasia who are unable to communicate their experience of increasing pruritus.
- 5.1.4 Confirm the diagnosis of Scabies.
  - 5.1.4.1 A physician/nurse practitioner assessment should be made as soon as possible, ideally within 24 hours.
  - 5.1.4.2 Confirming the diagnosis often requires consultation to a dermatologist or infectious diseases specialist as Scabies infestations are difficult to diagnose. Other resources include: the facility's Medical Director, WRHA Long Term Care Program Medical Director, or WRHA Long Term Care Coordinator of Infection Prevention and Control.
  - 5.1.4.3 Skin scrapings (see <u>Appendix B</u> for procedure) may be done by the attending physician/nurse practitioner, dermatologist, infectious diseases specialist, or trained professional in this skill to confirm the presence of the Scabies mites, ova, or inflammation caused by same. Send the skin scraping sample to Cadham Provincial Laboratory (see <u>Appendix C</u> for a sample requisition).
  - 5.1.4.4 In the absence of access to someone who can conduct a skin scraping, use the Burrow ink test (see <u>Appendix D</u>).
- 5.2 Contact Identification
  - 5.2.1 As soon as a possible infestation of Scabies is identified in an individual, the ICP/designate is responsible for developing a contact identification list. This should include every resident who may have had direct skin contact with the symptomatic resident within the previous 6 weeks using the WRHA LTC IP&C Outbreak Investigation Form (Appendix E).
    - 5.2.1.1 Include roommates transferred to other nursing units or to another facility within the previous 6 weeks.
    - 5.2.1.2 Determine if these contacts have symptoms of Scabies or are asymptomatic.

- 5.2.1.3 If the symptomatic resident was transferred to another heacare facility or an appointment (e.g. dialysis), within the past 6 weeks, notify the other facilities' ICP/ designate.
- 5.2.1.4 Determine if there are symptomatic residents on other nursing units.
- 5.2.2 Occupational Environmental Safety & Health (OESH) or site designate is responsible to identify health care workers and volunteers who have had direct physical contact with the symptomatic resident within the past 6 weeks.
  - 5.2.2.1 Facilities supported by WRHA OESH should contact them to make arrangements for their staff to be assessed and receive treatment, if applicable.
  - 5.2.2.2 Determine if these contacts have symptoms of Scabies or are asymptomatic.
  - 5.2.2.3 Determine if there are symptomatic health care workers or volunteers on other nursing units.
  - 5.2.2.4 Ensure a proactive employee health service approach to Scabies including providing information to all staff.
  - 5.2.2.5 Staff who are symptomatic, have had direct skin to skin contact with a symptomatic resident, have had contact with personal articles (clothes, bedding) of a symptomatic resident or are diagnosed with Scabies require Scabicide treatment.
    - 5.2.2.5.1 Facilities can choose to provide Scabicide treatment for their staff if exposure occurred at the facility. Treatment can be ordered from the pharmacy who will invoice the facility directly for these treatments. Alternatively, facilities can refer staff to discuss treatment with their community pharmacist or physician.
  - 5.2.2.6 Staff can return to the facility after treatment. If within 24 hours of the application of the treatment, they must wear personal protective equipment (PPE) (e.g. gloves, gown) for direct resident contact (skin to skin) until the 24 hours is over. This PPE must be changed between tasks and between residents.
  - 5.2.2.7 Staff refusing treatment will be required to wear PPE for direct resident contact (skin to skin) for a minimum of 6 weeks. This PPE must be changed between tasks and between residents.
  - 5.2.2.8 Advise staff that household members and intimate contacts (e.g., sexual partners, bed partners, children and household members who have shared clothing or towels) should seek

medical evaluation from a community health center or physician regarding evaluation of risk, diagnosis and/or treatment.

- 5.2.2.9 Individual facilities are responsible to track staff contacts that accept or refuse treatment and maintain a written record of same. Facilities can utilize the WRHA LTC IP&C Outbreak investigation form (Appendix E).
- 5.2.3 The facility is responsible to notify visitors (e.g., spouses, family members, and friends) who may have visited the symptomatic resident within the past 6 weeks. Use the <u>Scabies Fact Sheet "What you need to know about Scabies"</u> as a resource to provide information to visitors.
  - 5.2.3.1 Visitor contacts should discuss treatment with their community pharmacist or physician.
- 5.2.4 The facility communicates the Scabies status when transferring a resident to another facility.
- 5.3 Treatment
  - 5.3.1 One of the keys to successful control of an outbreak is the simultaneous treatment of individuals infested with Scabies, all exposed contacts and cleaning or sealing of infested articles to prevent re-exposure and ongoing transmission.
  - 5.3.2 Obtain a prescriber order to treat the resident(s) infested with Typical Scabies and resident(s) meeting the definition for Exposure to Typical Scabies simultaneously.
  - 5.3.3 Crusted Scabies is difficult to treat, and has a significant treatment failure rate. Several products may need to be tried, and multiple treatments may need to be given. Consider 'prophylactically' treating the entire unit(s)/affected area(s) when even a single case of Crusted Scabies is identified as the likelihood of transmission and progression to an outbreak is high.
  - 5.3.4 Permethrin 5% (e.g., Nix<sup>®</sup> Dermal Cream)
    - 5.3.4.1 More effective than all other Scabicides; reduced systemic absorption. Preferred treatment for adults with Scabies.
    - 5.3.4.2 Massage the permethrin cream thoroughly into the skin over the entire body from the base of the hairline downwards to the toes/soles of the feet paying special attention to skin folds, creases, and interdigital spaces. Place the resident in clean clothing and bedding.
    - 5.3.4.3 Wash the permethrin cream off after 12 hours and change the bedding again.
      - 5.3.4.3.1 Providing a shower/bath is preferred to ensure all cream is removed. For residents who are unable to be bathed or showered, consult with the site ICP to discuss other options.

- 5.3.4.4 Symptomatic residents should be treated twice, one week apart, and asymptomatic resident contacts once.
- 5.3.4.5 Ensure there is enough cream available to effectively cover the resident's body as insufficient coverage could result in an ongoing infestation. A 30 gram tube of permethrin cream is typically enough to cover the body of an average sized resident. For larger residents, more than 1 tube may be required.
- 5.3.4.6 Permethrin 1% cream rinse is not effective for Scabies treatment.
- 5.3.5 Crotamiton 10% (e.g., Eurax<sup>®</sup> cream)
  - 5.3.5.1 Low toxicity even when applied to excoriated skin and has a beneficial antipruritic effect. Less effective than permethrin and resistance has been reported.
  - 5.3.5.2 Massage the crotamiton cream thoroughly into the skin over the entire body from the base of the hairline downwards to the toes/soles of the feet paying special attention to skin folds, creases, and interdigital spaces. Place the resident in clean clothing and bedding.
  - 5.3.5.3 Repeat the application again in 24 hours. Wash the crotamiton cream off 48 hours after the last application and change the bedding again.
  - 5.3.5.4 Repeat the treatment in symptomatic residents after 7-10 days. Asymptomatic resident contacts only need to be treated once.
- 5.3.6 Precipitated sulfur 10% in petrolatum ointment (compounded)
  - 5.3.6.1 Massage the precipitated sulfur cream thoroughly into the skin over the entire body from the base of the hairline downwards to the toes/soles of the feet paying special attention to skin folds, creases, and interdigital spaces. Place the resident in clean clothing and bedding.
  - 5.3.6.2 Wash the precipitated sulfur cream off after 12 hours. Repeat on 3 consecutive days to provide the best balance of efficacy and adverse effects (e.g., sulfur dermatitis) and change bedding each consecutive time.
- 5.3.7 Lindane 1% has been discontinued in all forms in Canada due to potential neurotoxicity.
- 5.3.8 Ivermectin (Stromectol<sup>®</sup>) oral antiscabietic
  - 5.3.8.1 Treatment for resistant Typical Scabies or as an adjuvant to permethrin in Crusted Scabies. Requires consultation with WRHA LTC Program Pharmacy Manager.
  - 5.3.8.2 Dosing for Typical Scabies:
    - Ivermectin is available as 3 mg tablets.
    - Ivermectin 200 mcg/kg orally; repeat the dose in 2 weeks.

- 5.3.8.3 Dosing for Crusted Scabies:
  - Ivermectin 200 mcg/kg orally on days 1, 2, 8, 9, and 15; for severe infestations, additional treatment on days 22 and 29 may be required.
  - Combine with daily application of 5% permethrin cream applied over the entire body as described in 4.3.4.2 for 7 days then twice weekly until cured.
- 5.3.8.4 Give Ivermectin with food to increase bioavailability, thus increasing penetration of the drug into the epidermis.
- 5.3.9 Pruritus may take a few weeks to resolve. If pruritus is bothersome to the resident, the following treatments are suggested:
  - Topical corticosteroids (note: this may further mask signs and symptoms of infestation and should be avoided while the infestation is active)
  - Antipruritic topical lotions
  - Antihistamines
  - Keep fingernails closely trimmed to reduce injury from excessive scratching
- 5.4 Laundry
  - 5.4.1 Change bed linens before the resident goes to bed with the topical Scabicide treatment applied and again before the resident returns to the room after the treatment has been washed off.
  - 5.4.2 Remove resident's clothing, personal bedspreads, blankets, afghans, pillows, towels and fabric items such as stuffed animals and decorative pillows that may have come in contact with the resident in the last 7 days.
  - 5.4.3 Launder in 50 degree Celsius water OR seal in a plastic bag for 7 days.
  - 5.4.4 Where infrastructure and/or resources do not permit the quantities of laundry required (e.g., in a large outbreak where an entire unit is being treated), personal clothing and bedding items (e.g., afghans) can also be sealed in a plastic bag for 7 days. Place a tag on the bag with the date that it can be unsealed. Sites may also choose to have the resident infested with Crusted Scabies wear a 'hospital' gown and robe and segregate the resident's personal clothing in their closet for 7 days instead of laundering those items. Avoid taking items out of the closet during this time.
  - 5.4.5 Once the 7 days have elapsed, the plastic bag can be unsealed.
     There are no special precautions for handling contaminated laundry.
     Follow Routine Practices when handling any contaminated laundry/linens.

# 5.5 Equipment

- 5.5.1 Follow Routine Practices, all equipment must be cleaned and disinfected between residents.
- 5.5.2 For Crusted Scabies, clean and disinfect, with facility approved disinfectant OR seal in a plastic bag for 7 days, multiple use equipment that has had direct skin to skin contact with a symptomatic resident and/or a contact of a symptomatic resident (e.g., hair brushes, walking belts, slings, wheelchairs, walkers, canes, blood pressure cuffs) or their potentially contaminated environment.
- 5.6 Housekeeping
  - 5.6.1 Follow Routine Practices.
  - 5.6.2 Although carpeting and soft surface seating is generally not recommended for use in LTC settings, installed carpet may be present at some sites and/or some sites have permitted families to bring in fabric recliners for resident use.

Soft surface seating should be sealed in a plastic bag for 7 days or vacuumed. If sealed in a bag, it should be kept sealed and tagged with a date the seal may be broken. Vacuuming is sufficient for carpeted areas. Hard surfaces should be cleaned and disinfected with facility approved disinfectant.

- 5.6.3 Use of insecticide sprays and fumigants is not recommended.
- 5.6.4 Terminal Cleaning shall be done after Scabicide treatment has been washed off, upon discharge/transfer and when precautions are discontinued.
- 5.7 Documentation
  - 5.7.1 Document the results of daily assessments of signs/symptoms of Scabies infestation in the Integrated Progress Notes, until resolution.
  - 5.7.2 Document when Contact Precautions are implemented in response to suspected infestation(s) and when the precautions are discontinued in consultation with the site ICP/designate.
  - 5.7.3 Document when the Scabicide treatment is administered and the resident's response to the treatment.
  - 5.7.4 Complete the <u>LTC Infection Surveillance Form</u> for each resident with Scabies.
- 5.8 Outbreak Management
  - 5.8.1 Ongoing monitoring is essential to plan further control and prevention measures if required.
  - 5.8.2 Nurses and Health Care Aides are responsible for:
    - 5.8.2.1 Monitoring all residents for signs and symptoms of Scabies for 6 weeks following the last infestation. Then the Scabies outbreak can be declared over in collaboration with

ICP/designate and WRHA Long Term Care Program Coordinator of Infection Prevention and Control.

- 5.8.2.2 Reporting all new and suspected cases of Scabies to the ICP/designate and completing the LTC Infection Surveillance Report Form.
- 5.8.2.3 Nurse is also responsible for documenting ongoing signs/symptoms and/or resolution of signs/symptoms in the resident's health record.
- 5.8.3 The Physician/Nurse Practitioner is responsible for:
  - 5.8.3.1 Assessing the resident in follow-up to staff suspicion of Scabies due to undiagnosed skin rashes and conditions or skin conditions that are not responding to treatment.
  - 5.8.3.2 Confirming the diagnosis of Scabies as outlined in 5.1.4.
  - 5.8.3.3 Ordering Scabies treatment for suspected and/or confirmed infestations.
- 5.8.4 The ICP/designate is responsible for:
  - 5.8.4.1 Declaring a Scabies Outbreak upon meeting the definition.
  - 5.8.4.2 Notifying the unit staff, Medical Director, and attending physician/nurse practitioner within the facility of the outbreak.
  - 5.8.4.3 Notifying Population & Public Health Communicable Disease Coordinator to report an outbreak.
  - 5.8.4.4 Completing the Manitoba Health Initial Outbreak Summary Report (Appendix F)

http://www.gov.mb.ca/health/publichealth/surveillance/do cs/mhsu 6278.pdf. Scabies outbreaks are not reportable using the Canadian Network for Public Health Intelligence (CNPHI) at this time.

Fax a copy to:

- Manitoba Health CDC Unit fax # (204) 948-3044
- Population & Public Health Communicable Disease Coordinator fax # (204) 940-2690
- Scan and email a copy to the WRHA Long Term Care Coordinator of Infection Prevention and Control.
- 5.8.4.5 Notifying and keeping informed throughout the duration of the outbreak (minimally weekly or if there are any changes), the WRHA Long Term Care Coordinator of Infection Prevention and Control.
- 5.8.4.6 Delegating the communication and education for the staff, volunteers, and visitors.

- 5.8.4.7 Communicating the action plan to the various departmer (e.g. housekeeping, laundry, dietary) and/or developing an outbreak management team that meets regularly to share pertinent information in a timely and effective manner.
- 5.8.4.8 At the end of the outbreak, complete the Manitoba Health Final Outbreak Summary Report (<u>Appendix G</u>) <u>http://www.gov.mb.ca/health/publichealth/surveillance/do</u> <u>cs/mhsu\_6278.pdf</u>. Fax a copy to:
  - Manitoba Health CDC Unit fax # (204) 948-3044
  - Population & Public Health Communicable Disease Coordinator fax # (204) 940-2690
  - Scan and email the WRHA Long Term Care Coordinator of Infection Prevention and Control.
- 5.8.5 Unit staff are responsible for:
  - 5.8.5.1 Notifying the ICP/designate of any new Scabies cases and suspected Scabies cases promptly upon recognition/ suspicion.
  - 5.8.5.2 Communicating the Scabies status when transferring a resident to another facility. Inform the facility of outbreak status of the unit as well as the status of the resident being transferred. This should include if they are a known or suspected case as well as if they are a contact case and should include what treatments they have received and if there are any treatments outstanding.

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# Guideline Contact: WRHA Long Term Care Coordinator of Infection Prevention and Control

Appendix A

Does your resident have a skin condition that is not responding to treatment?

Does your resident have a rash or rashes in/on the;

- **Wrists**
- 🖌 Anticubital fossa
- Areolas
- ✓ Beltline
- ☑ Buttocks
  ☑ Groin/Genitals

🗸 Axilla

 $\bigvee$  Webs of the fingers



Typical Scabies http://medicalpictures.net/wp-content/uploads/2011/12/scabies-rash-pictures-3.jj



**Typical Scabies** 

# **Think Scabies**



http://www.webmd.com/skin-problems-and-treatments/ss/slideshow-scabies-overview



Crusted Scabies Sandre et al

## Appendix **B**

## Skin scraping

Skin scrapings are done to achieve laboratory confirmation of a Scabies infestation. They may be done by a dermatologist or a trained professional in this skill. A 'negative' result does not always imply that mites are not present; as with any communicable disease, lab results must be collaborated with clinical presentation. **Equipment:** 

- 1. Gloves
- 2. Magnifying glass
- 3. Light source
- 4. Alcohol swabs
- 5. #15 scalpel
- 6. Gauze and tape or small adhesive bandage
- 7. Glass slide and cover slip
- 8. Specimen container or slide holder
- 9. Cadham lab requisition
- 10. Specimen bag
- 11. Sharps container

## Procedure:

- 1. Complete the Cadham lab requisition as shown below. Be sure to include all necessary information and label the slide with two client identifiers using the labels provided at the bottom of the requisition.
- 2. Collect all the necessary equipment.
- 3. When Contact Precautions are in place, ensure the appropriate PPE is put on before entering the room.
- 4. Perform hand hygiene prior to entering the resident's room or bed space.
- 5. Select a site to conduct the scraping. Use magnifying glass to identify recent burrows or papules. A bright light and magnifying glass will assist in visualizing the mite (tiny dark speck) at the end of the burrow. Shoulders, back and abdomen are choice areas in the elderly and are less likely to cause responsive behaviors. Other sites: hands, wrists, elbows, feet, ankles, buttocks, axillae, knees, thighs and breasts.
- 6. Explain the procedure to the resident.
- 7. Using an alcohol swab scrub the area to be scraped for 30 seconds and allow to air dry.
- 8. Apply a single drop of sterile mineral oil over unexcoriated burrow. If using non-sterile mineral oil, apply the single drop of oil to the glass slide.
- 9. Perform hand hygiene.
- 10. Don gloves.
- 11. Hold the skin in the area to be scraped taught with your non-dominant hand.
- 12. Hold the scalpel with the dominant hand at a 90 degree angle to the skin. Scrape non excoriated, noninflamed areas (burrows) 6-7 times with a #15 scalpel blade until tiny specks of blood appear. The mineral oil will emulsify the scrapings.
- 13. Using the blade put the scrapings on a slide; cover the slide with a cover slip.
- 14. Discard the scalpel in the sharps container.
- 15. Place gauze over tiny specks of blood and secure with tape or use an adhesive bandage. Ensure the resident is comfortable.
- 16. Remove gloves and perform hand hygiene.
- 17. Send covered slide in a specimen container or slide holder with a completed requisition to the Cadham laboratory for diagnostic purposes.
- 18. Document the skin scraping and the resident's response in the Integrated Progress Notes.

Appendix C

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General Requisition Health ONLY ONE SPECIMEN TYPE PER REQUISITION All areas of the regulation must be completed (please print clearly) See back for requisition/specimen instructions	EXAMPLE					
Ceditizm Provincial Laboratory         Tel: (204) 945-6123           P.O. Box 8450         Fax: (204) 763-4770           750 William Avenua         E-mail: cadham@gox.mb.ca           Winnipeg, MB_R3C 3Y1         Website: www.goy.mb.ca/health/publichealth/cpl		. <sup></sup>				
BLEVANT CLINICAL INFORMATION Dutbreak Code:Insert code if applicable	PATIENT INFORMATION PHIN: MB Health Re	**55555				
Travel/Treatment History: TREATMENT FAILED & MULTIPLE TOPICAL		Other Provinces/Territories				
Autopsy     Diabetes     Food Borne Illness     Cancer/Chemotherapy     Dialysis		ment to follow				
Signs and Symptoms:       Even       Lymphadenopathy         Conjunctivitis       Gastrointestinal       Pneumonia         Choist Pain       Headache       Ø Rash         Diarrhea       Influenza-Like Illness       Sore Throat	Date of Birth: MOBIODISCE Patient Legal Last Name ITCHEE First Name					
□ Encephalitis □ Jaundice Dther: IRURITIS↑@ NCHT\$APTER BATH5	IMA Street or Other (e.g., General Delivery)	Phone #				
Reason for Test: ☐ Immigration □ Occupational	PCH STREET	204 555 5555				
🛛 Neediestick 🗆 Sexual Assault 📋 Pregnant 🗆 Immune Status	City/Municipality/First Nations Reserve	ROR ORO				
SPECIMEN INFORMATION Specimen Type: Specimen Source: SKIA SCRAPING Left Hand	Ordering Practitioner ScRATCH IVA	i j Initial(s)				
Collected At: WINNIPEG PCH Date/Time: 2018/05/08/09/30	Facility PCH NAME HERE					
COPY REPORT TO: Other Practitioner Last Name First Name		Ity/Town WINNIPEG				
NAME OF COMMUNICABLE DISEASE COORDINATOR Facility Secure Fax # WRHA POPULATION'S PUBLICHEALTH 204-940-2690	Postal Code Phone # S	ecure Fax# D4 666 6666				
SEROLOGY Serology Test Panels (see #1 over) STI Panel Prenatal Panel Post Exposure: Source Panel (1.3) Prenatal HIV OPT OUT (4) Post Exposure: Exposed Panel (0) Blood-borne Pathogen	PARASITOLOGY Ova & Parasites Blood Smears Identification MICROBIOLOGY/BACTERIOLOGY					
HIV <sup>(4)</sup> HIV1/2Ab  Syphilis Screen Hepatitis HAV IgG (Immunity) HBsAb (Immunity) HAV IgM (acuto HAV) HBsAg HBcAb (Total) HCV Ab	Cas     Chiamydia and Gonomhee (NAAT)     MRSA Screen     Chiamydia DFA (Microtrak)     VRE Screen     Clostridium difficile Toxin     GRS Prenatal Screen     Verotoxin Testing     Referral Isolate:     Identification     Susceptibility Testing     Subtyping     Isolate Information:					
Nucleic Acid (Plasma Only) <sup>(R)</sup> □ HBV PCR/Quant □ HCV PCR/Quant □ HCV PCR/Quant □ HCV Genotyping						
	VIRUS DETECTION					
Miscellaneous Serology	CMV PCR (NAAT) Viral Detection	HSV PCR (NAAT)				
Miscellaneous Serology       Acute     Immune Status     Acute     Immune Status       CMV     IgM     IgG     Parvo B19     IgM     IgG       EBV     IgM     IgG     Rubella     IgM     IgG       HSV     IgM     IgG     Toxoplasma     IgM     IgG       Measles     IgM     IgG     Varicella     IgM     IgG       Mumps     IgM     IgG     WNV     IgM	OTHER TESTS OR REQUESTS	(jangan dia sering				

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PHIN 100 100 100

## Appendix D

## Burrow Ink Test (BIT)

The BIT can be used as an alternative to skin scrapings to assist with the diagnosis of scabies. It is less invasive and does not require professional training to perform. The ink test does not always identify the presence of scabies mites (which occasionally appear as a tiny dark dot at the end of a track), but it can help illuminate the tracking caused by the mite as it burrows. As with any diagnostic test, results must be collaborated with clinical presentation.

## Equipment:

- 1. Gloves
- 2. Alcohol swabs
- 3. Dark colored washable wide-tipped marker

## Procedure:

- 1. Explain the procedure to the resident and perform hand hygiene
- 2. Use a the marker to 'color' over areas of suspected burrows
- 3. Wipe off ink with alcohol swabs or alcohol based hand rub and disposable towel

The alcohol will remove the most surface ink but will not remove the ink taken up by the burrow, thus leaving a dark <u>irregular</u> (often zig-zag) line illuminating the burrow track(s). If the resident has straight lines that take up ink these may be due to scratching and not the presence of burrowing mites.

# Appendix E

Winnipeg Regional Office Health Authority Santé o	régional de la de Winnipeg		v		тсп	P&C OUTB		WESTIC						Case De	finition:	
Caring for Health À l'éco	ute de notre santé Choose F	acilitu			.ie i											
Staff immunizat		actificy.		Re	eidant i	mmunization rate:	Date Outbi	eak Declareu:	Mer	lical Director:				maculopapular and/or itching rash, +/-physician diagnosis, +/- lab confirmation or lini another person with lab confirmed scables		
	Total # Resid	ents on	affected		sidenti	mmunization rate: Tot	al # Staff on	affected unit(s):	WICC	Resident	Attack rate:					
	Staff attack	rate:		OB Status:				Pathogen:		s	cabies					
Name	DOB MM/DD/YY	AGE	Unit	RESIDENT Room #	STAFF	Signs and Symptoms <i>(see</i> <i>legend</i> )	Date of symptom onset	Date precautions started	Date precautions discontinued	Specimen Collection date/Date submitted	Lab confirmed (specify organism)	Clinical case only	DEATH?	HOSP?	Comments	
Signs & Symptoms Legend:	MpR=maculop	papular	rash;l/P=i	tching/puritis,	O=Othe	r(see comments)				I	I					



#### **INITIAL OUTBREAK SUMMARY REPORT**

#### (All OUTBREAKS EXCEPT: ENTERIC, RESPIRATORY or VACCINE PREVENTABLE DISEASE (VPD) OUTBREAKS)

Instructions: Upon suspicion of a communicable disease outbreak that is NOT an enteric, respiratory or vaccine preventable disease outbreak, please complete the **Outbreak Identification** sections on both of these pages and the **Initial Assessment**. Please refer to "*Enteric Outbreak Report*" and "Respiratory/VPD Outbreak Report" (<u>http://www.gov.mb.ca/health/publichealth/surveillance/forms.html</u>) for reporting enteric, respiratory or VPD outbreaks.

## OUTBREAK IDENTIFICATION:

	OUTBREAK IDENTI	-ICATION.			
	: / CPL "o sh  STI/UTI adache  _ Other Specify		OR 🛛 not assigned		
Please choose a unique name to be use	ed for this outbreak only:	ax 20 letters, no numbers or special	characters)		
	(///	ax 20 letters, no numbers of special	characters)		
	INITIAL ASSESS	MENT:			
Contact person:	Phone/fax:	1			
RHA(s) involved:		(YYYY/MM/DD):			
Site/Location (check all that apply)	Name(s)	Nan	ne(s)		
Food handling establishment:		Hospital:			
Geriatric extended care facility:		School:			
Other extended care facility:		Daycare:			
Correctional facility:		Other facility:			
General community on reserve – spec	cify Reserve(s):				
General community – specify area, ci	ty, town(s), etc. involved: _				
Total # cases:					
Working case definition (check all that	at apply):				
Local working case definition included	d cases identified using clir	nical signs and symptoms			
Local working case definition used lat	poratory confirmed results				
Onset of first symptoms of first case (YY	YY/MM/DD):	1 1			
Infectious agent: Unknown USusp			)		
Current/proposed interventions (chec					
□ Handwashing/Hygiene enhancement			mental disinfection		
Barrier procedures (e.g. gloving, etc.)		Water b	oil order		
□ Isolation/Restriction of movement	Product	recall			
Closure (e.g. institution, ward, restaur	ant) Caccination		/Education		
Details:	, , ,				
People notified (check all that apply):					
Facility infection control nurse	Cadham Lab Outbreal	k Liaison 🛛 🗖 Environm	ental Testing Lab		
Regional MOH(s)	Cadham Lab Infection		-		
Environmental Health (PHI/EHO)	City of Winnipeg	Local Heat	alth Professionals		
Office of the Chief MOH		Media			
Office of Drinking Water	Other:				
Other details/comments:					
Epidemiology and Surveillance, Public Health Branch, Ma	anitoba Health		Version dated: March 12, 2013		

## EMAIL COMPLETED REPORT TO: OUTBREAK@GOV.MB.CA OR FAX TO: (204) 948-3044

## Appendix G

### FINAL OUTBREAK SUMMARY REPORT

#### (All OUTBREAKS EXCEPT: ENTERIC, RESPIRATORY or VACCINE PREVENTABLE DISEASE (VPD) OUTBREAKS)

Instructions: Upon suspicion of a communicable disease outbreak that is NOT an enteric, respiratory or vaccine preventable disease outbreak, please complete the **Outbreak Identification** sections on both of these pages and the **Final Report**. Please refer to "*Enteric Outbreak Report*" and "Respiratory/VPD Outbreak Report" (<u>http://www.gov.mb.ca/health/publichealth/surveillance/forms.html</u>) for reporting enteric, respiratory or VPD outbreaks.

OUTBREAK IDENTIFICATION:								
Month outbreak recognized (MM/YYYY): / CPL "outbreak" code: OR 🗅 not assigned								
Choose <u>one</u> syndrome: Fever/Rash     Fever/Headache	STI/UTI Other Specify:							
Please choose a unique name to be used for this								
	(max	20 letters, n	no numbers or speci	al characters)				
	FINAL REPORT	:						
	Today's date	e (YYYY/N	MM/DD):	/	_/			
RHA(s) involved (check all that apply)       Jurisdiction (check one):         Winnipeg       Southern         Interlake-Eastern       Federal         Provincial       Band								
Working case definition (check all that apply): Local working case definition included cases Local working case definition used laborator	identified using clir	nical signs	s and symptoms	3				
Infectious agent: Unknown Suspected Please list symptoms necessary to case definition		ism:			_)			
Case details:	Case Numbers:	#	# Tested	# Deaths due to outbreak	Total population			
Onset of first symptoms (YYYY/MM/DD):	Total cases				P = [ = = = = = = = = = = = = = = = = =			
First case: / / Last case: / /	Symptomatic but NOT lab confirmed							
Outbreak finished: / /	Lab confirmed							
	Staff cases							
	Client cases							
Transmission mode and source with highest index of suspicion (check <u>one</u> in <u>each</u> column):         Transmission:       Suspected       Confirmed         (check <u>one</u> in <u>each</u> column)       (check <u>one</u> in <u>each</u> column)       Water         Indirect (e.g. contact with inanimate object, insect/animal vector, airborne)       Water       Water         Transfusion/transplant/surgery       Point/Common:       Water         Direct animal to person       Point/Common:       Biologic (e.g. soil, air conditioner)         Sexually transmitted person to person       Propagated:       Biologic (e.g. blood, HGH, vaccine)         Droplet spread person to person       Propagated:       Break in control of endemic illness         Other:       Other:       Other:       Recommendations for policy/practice change(s):								
Completed by:	Completed by: Organization:							
Epidemiology and Surveillance, Public Health Branch, Manito	ba Health			Version dated	: March 12, 2013			

## EMAIL COMPLETED REPORT TO: OUTBREAK@GOV.MB.CA OR FAX TO: (204) 948-3044