



SPORTS RELATED SKIN INFECTIONS

Skin related infections have grown considerably in the community and needless to say also in the sports environment. The vast majority of these infections are transmitted through skin-to-skin contact, but a smaller yet significant portion is due to shared equipment. If proper hygienic practices are followed (*See Sports Hygiene Statement*), this risk can be reduced. Contact with an opponent or piece of equipment in certain sporting events is inherent to the activity. Some sports have more direct contact than others and therefore carry a much greater risk for transmission. Others have virtually none and their risk is minimal. Due to the uniqueness of Wrestling, it requires its own protocol and is addressed separately (*See Wrestling Skin Condition Form*).

Definitions of contact: **High Risk** – where the nature of the sport requires significant contact with an opponent or equipment. **Medium Risk** – there exists a minimal level contact. **Low Risk** – where virtually no contact exists.

RISK OF TRANSMISSION

High Risk	Medium Risk	Low Risk
<ul style="list-style-type: none">• Football• Wrestling (<i>See Wrestling Skin Condition Form</i>)• Hockey• Boys' Lacrosse	<ul style="list-style-type: none">• Baseball• Girls' Lacrosse• Gymnastics• Softball• Soccer• Basketball• Spirit Squad• Volleyball	<ul style="list-style-type: none">• Tennis• Track & Field• Cross Country• Gymnastics• Skiing (Downhill/XC)• Swimming & Diving• Golf• Riflery

High Risk Sports: Contact with an opponent or equipment is by nature a high occurrence in these sports. Specific concern needs to address exposed areas that have direct contact with an opponent.

Ringworm, Tinea Corporis - Due to a dermatophyte, or fungal infection. Easily transmissible to an opposing player. Must be covered with a biocclusive dressing (i.e., Tegaderm) then prewrap and taped. If the area can't be covered, then the athlete may need to be removed from competition. In these situations, the athlete needs treatment with oral or topical antifungal medication for 72 hours before return to competition.

Impetigo, Folliculitis, Carbuncle, Furuncle – Infection due to *Staphylococcal* or *Streptococcal* bacteria. The athlete needs to be removed from competition and started on oral antibiotics. May return to competition after 72 hours of treatment provided the infection is resolving and not oozing. Scabs must be well adherent and have no signs of weeping fluid or material. Reevaluate any lesion not improving and consider Herpes or Methicillin-Resistant Staph aureus (MRSA) as a possible source. (*See Statements on MRSA and Herpes Gladiatorum for guidance*). For MRSA, may return to competition/practice after 5 days of treatment and 48 hours of no weeping. Covering with Tegaderm, prewrap and tape only after 72 hours (5 days for MRSA) and when infection shows signs of resolving.

Herpes, Cold Sores, Shingles – Transmission of this virus is via skin-to-skin contact usually from exposed areas of the skin that aren't naturally covered with equipment, i.e., forearms, shins and hands. Outbreaks require the player to be withdrawn from competition until properly treated and resolving. Primary Outbreaks require 10-14 days of oral antiviral medications. Recurrent outbreaks 120 hours of treatment. Covering these lesions can help prevent secondary bacterial infections, but may come off with competition thus not reducing the risk of spreading it to opposing players. May cover with Tegaderm, prewrap and tape when under equipment and allowed to play.

Other viral infections (Molluscum Contagiosum, Warts) – No restrictions. Can be covered by Tegaderm, prewrap and tape.

Medium Risk Sports: Activities that require infrequent contact with an opponent. Equipment may play a larger role in transmission. The risk of transmission is minimal.*

Ringworm, Tinea Corporis – Due to a dermatophyte, or fungal infection. No restrictions for competition provided the area can be covered with Tegaderm, prewrap and tape. If the area can't be covered, then the athlete may need to be removed from competition. In these situations, the athlete needs treatment with oral or topical antifungal medication for 72 hours before return to competition.

Impetigo, Folliculitis, Carbuncle, Furuncle – Infection due to *Staphylococcal* or *Streptococcal* bacteria. No restrictions for competition, provided the area can be covered with Tegaderm, prewrap and tape. If the area can't be covered, may return to competition after 72 hours of treatment provided the infection is resolving and not oozing. Scabs must be well adherent and have no signs of weeping fluid or material. Reevaluate any lesion not improving and consider Herpes or MRSA as a possible source. (*See Statements on MRSA and Herpes Gladiatorum for guidance*). For MRSA, may return to competition/practice after 5 days of treatment and 48 hours of no weeping.

Herpes, Cold Sores, Shingles – Transmission of this virus is via skin-to-skin contact. Covering the outbreak with biocclusive (Tegaderm), prewrap and tape may help reduce that risk. Areas that can't be covered and are in a region of potential contact should prompt the withdrawal of the athlete until the infection has resolved. Primary Outbreaks require 10-14 days of oral antiviral medications. Recurrent outbreaks 120 hours of treatment. Covering these lesions may also help prevent secondary bacterial infections, but may not help prevent spreading it to opposing players.

Other viral infections (Molluscum Contagiosum, Warts) – No restrictions. Can be covered by Tegaderm, prewrap and tape.

Low Risk Sports: By definition, activities that have no direct physical contact with an opponent during play.* Equipment may play a larger role in transmission.

Ringworm, Tinea Corporis - Due to a dermatophyte, or fungal infection. No restrictions. Must be covered in certain sports where shared surfaces do occur, i.e., mats. If covering is needed, then use a biocclusive dressing (i.e., Tegaderm), prewrap and tape. If the area can't be covered, then the athlete may need to be removed from competition. In these situations, the athlete needs treatment with oral or topical antifungal medication for 72 hours before return to competition.

Impetigo, Folliculitis, Carbuncle, Furuncle – Infection due to *Staphylococcal* or *Streptococcal* bacteria. Bacterial infections can be transmitted via fomites, i.e., inanimate objects like balls, batons and mats. Skin infections on exposed areas must be covered with Tegaderm, prewrap and tape. If the area can't be covered, may return to competition after 72 hours of treatment provided the infection is resolving and not oozing. Scabs must be well adherent and have no signs of

weeping fluid or material. Reevaluate any lesion not improving and consider Herpes or MRSA as a possible source. (*See Statements on MRSA and Herpes Gladiatorum for guidance*). For MRSA, may return to competition/practice after 5 days of treatment and 48 hours of no weeping.

Herpes, Cold Sores, Shingles – Transmission of this virus is via skin-to-skin contact. No restrictions are necessary in these sports. Covering these with biocclusive (Tegaderm), prewrap and tape may also help prevent secondary bacterial infections.

Other viral infections (Molluscum Contagiosum, Warts) – No restrictions.

- * Medium and low risk activities may have variations that increase skin contact with an opponent, teammate or shared equipment. These situations may require following the guidelines set for higher contact sports to reduce the risk of transmitting an infectious disease.

Basic hygienic principles are the foundation to help reduce/prevent the development and spread of these infectious diseases (*See Guidelines to Sports Hygiene*). Athletes need to continue to; shower after each event, don't share towels or personal hygiene items, have all open wounds or abrasions evaluated by the coach or ATC before each practice or competition, use clean gear with each event or practice. Even with diligent monitoring and proper care, skin infections will occur. The guidelines above are presented to help prevent transmission of skin infections to other participants. Even though some are rather innocuous, i.e. ringworm, others are very serious, such as Herpes Gladiatorum or MRSA. These concepts are based on accepted treatment protocols and clinical observations that error in favor of protecting the athlete from the more serious infections and yet being more tolerant of others.