

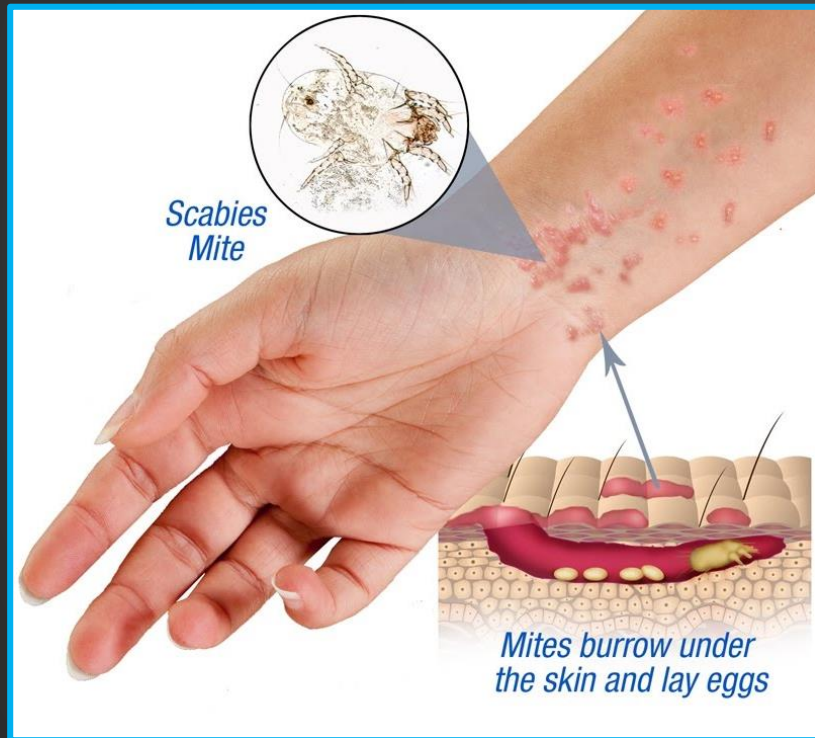
# Scabies

Johnson County Health Department

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February 2020

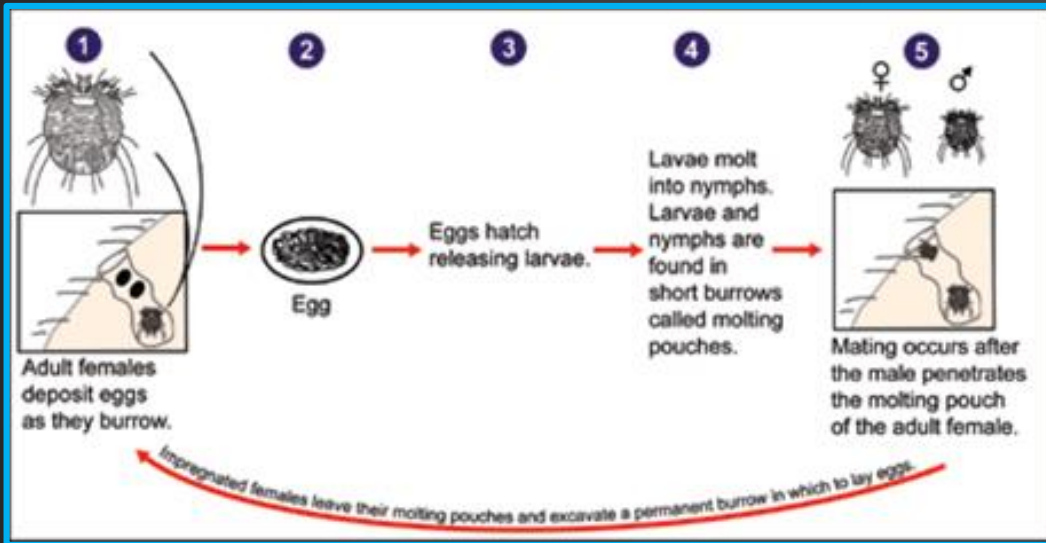
# About



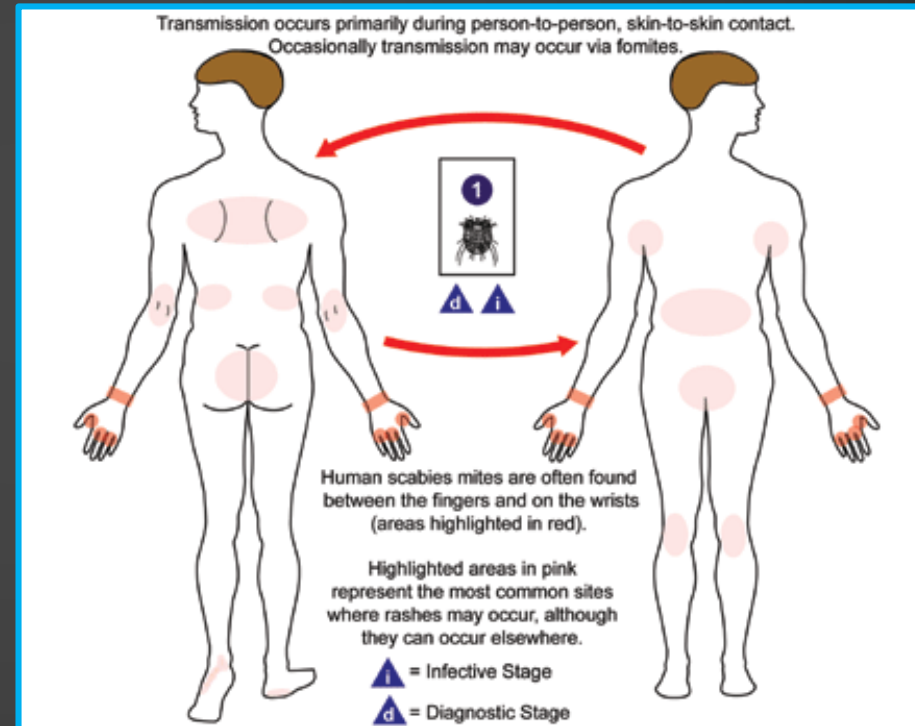
YouTube. *Scabies: Causes, Symptoms and Treatment*, 29  
Jun. 2015. <https://www.youtube.com/watch?v=WQxbtiS12bs>

- Skin infection
- *Sarcoptes scabiei* mite
- About 10-15 mites at a time
- Up to 2 million for crusted (Norwegian) scabies
- Microscopic

# Life Cycle

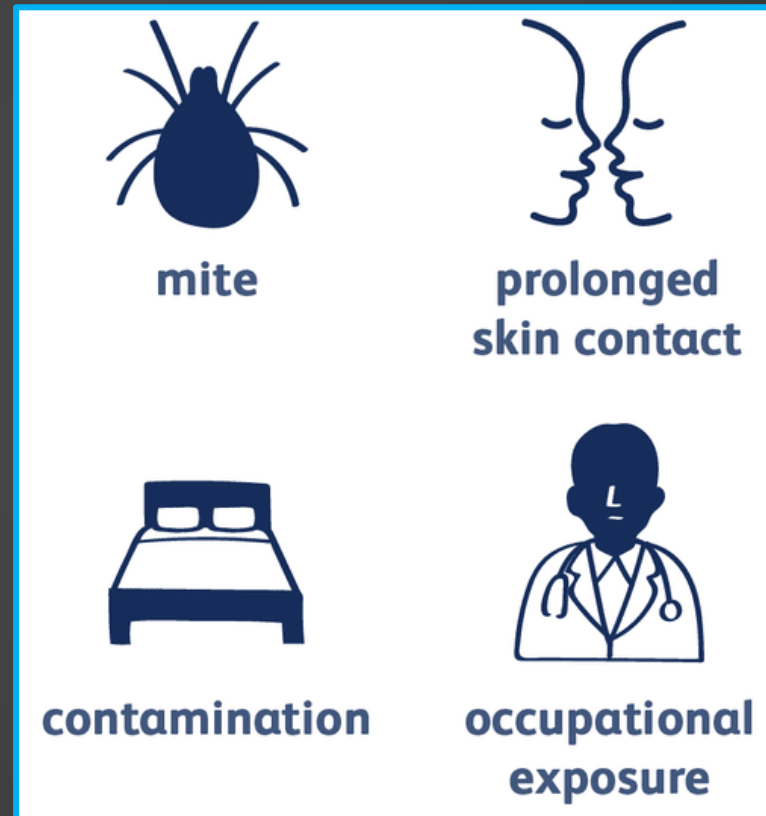


CDC. *Scabies Life Cycle*, 2 Nov. 2010.  
<https://www.cdc.gov/parasites/scabies/biology.html>



# Transmission

- Spread before symptoms
- Very contagious
- Direct contact
  - Skin-to-skin
- Indirect contact
  - Linens
  - Furniture
- Not spread by pets



Coffee, MD, Megan. Very Well Health. *Causes and Risk Factors of Scabies*, 17 Jul. 2019. <https://www.verywellhealth.com/scabies-causes-and-risk-factors-1958955>

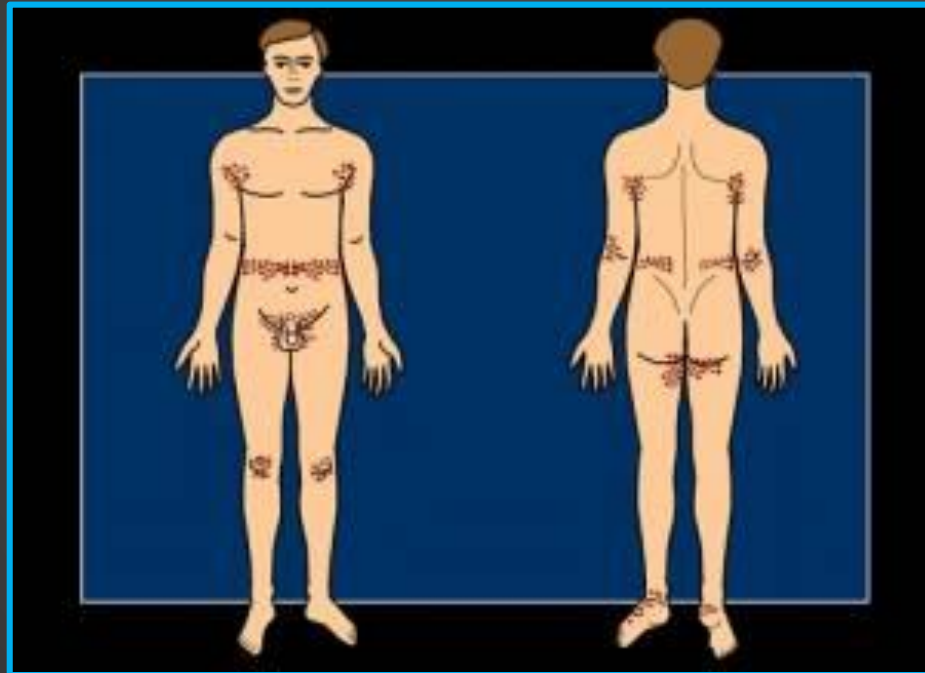
# Symptoms

- Appear 2-8 weeks first infection
- Appear 1-4 days if infected before



Bailey, Matt. FindaTopDoc Blog. *What is Scabies?* 24 Jan. 2017.  
<https://findatopdocblog.wordpress.com/2017/01/24/what-is-scabies/>

# Where They Are Found



Cunliff, Dr. Tim. Primary Care Dermatology Society. *Scabies*,  
13 Jan. 2020. <http://www.pcds.org.uk/clinical-guidance/scabies>



# Risk Factors

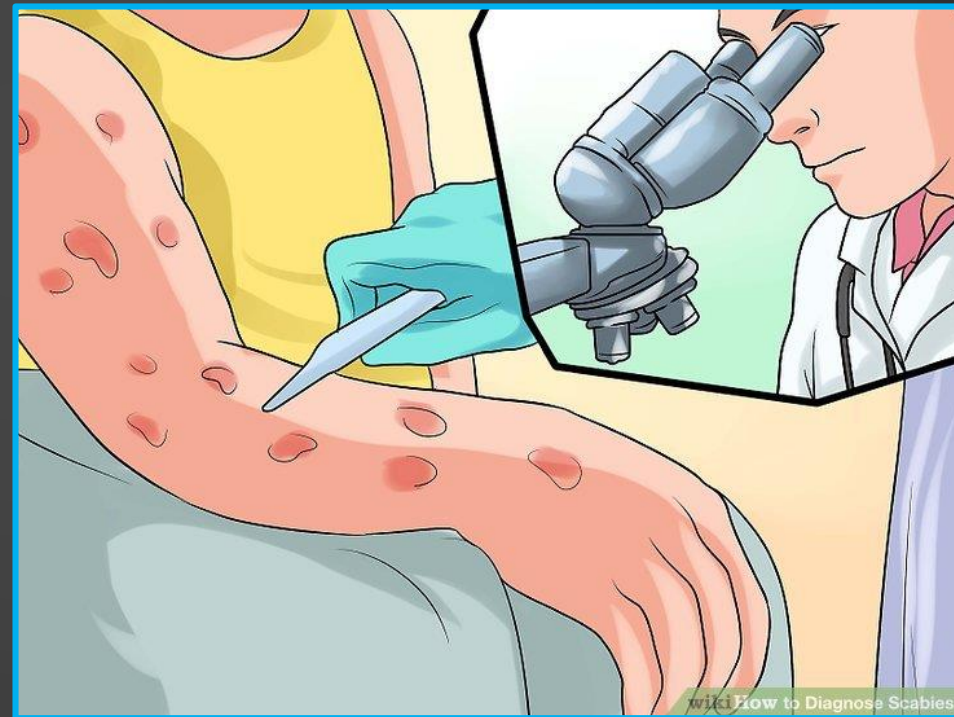
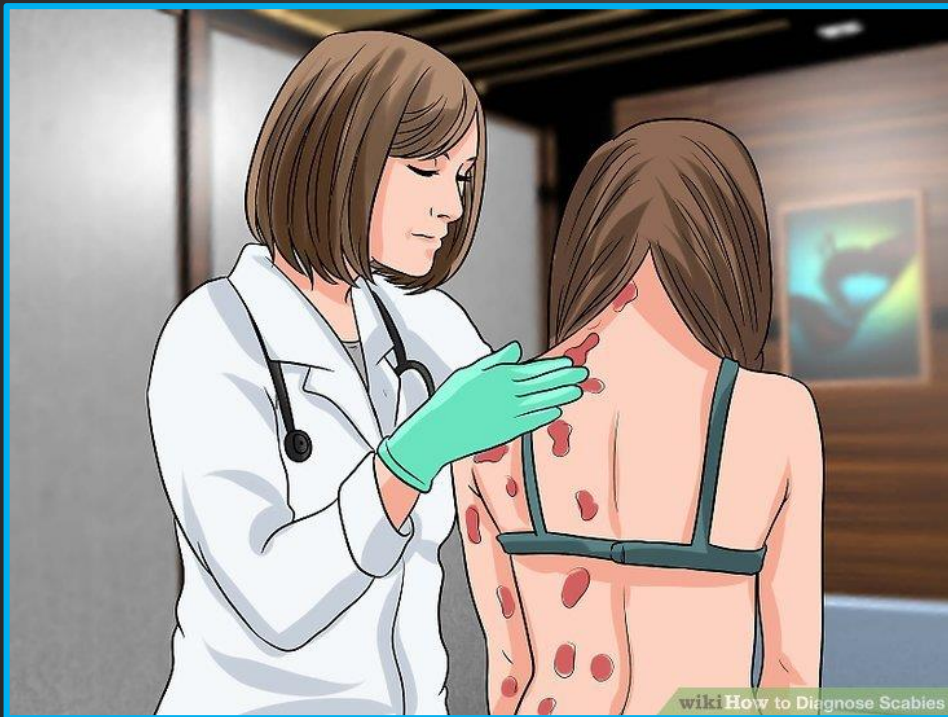
- Living or working in crowded places with frequent skin-to-skin contact
- Household or sexual contacts

Higher Risk for Norwegian Scabies:



Malhotra, Ridhi. Med Life. *Scabies in Monsoon: A Guide*, 25 Jun. 2019. <https://www.medlife.com/blog/scabies-in-monsoon-a-guide/>

# Diagnosis



Lee, FNP-BC, MS, Luba. WikiHow. *How to Diagnose Scabies*, 29 Mar. 2019. <https://www.wikihow.com/Diagnose-Scabies>



# Medical Treatment

- Treat all household and close contacts at same time
- Usually return to school/work 24 hours after treatment
- Antibiotics for infections
- May need retreatment



Lee, FNP-BC, MS, Luba. WikiHow. *How to Diagnose Scabies*, 29 Mar. 2019. <https://www.wikihow.com/Diagnose-Scabies>

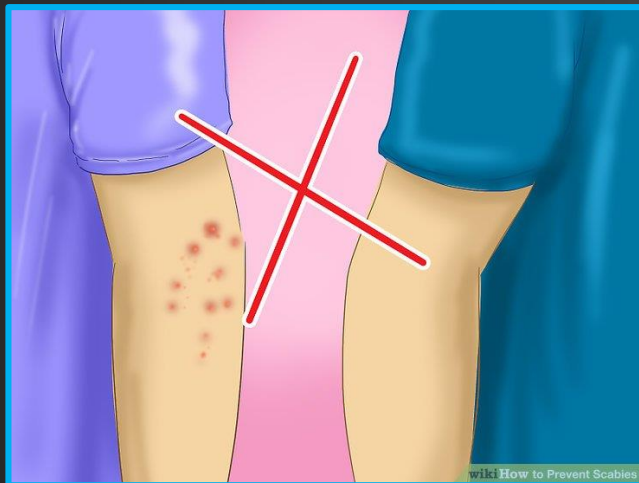
# Environmental Treatment

- Same time as medical treatment
- Hot wash and hot dry
- Dry clean other items
- Seal items in plastic bags
- Vacuum everything
- Do not fumigate



# Prevention

- Avoid contact with scabies
- Get treatment if at risk
- Environmental cleaning
- Use personal protective equipment
- Isolate infected individuals



Matsko, MD, Chris M. WikiHow. *How to Prevent Scabies*, 2 May 2019. <https://www.wikihow.com/Prevent-Scabies>

SickKids. *Infection Control at SickKids*, n.d. <https://www.sickkids.ca/Nursing/Education-and-learning/Nursing-Student-Orientation/module-one-safety/infection-control-at-sickkids/index.html>

# References

American Academy of Dermatology Association. "Scabies." *AAD.org*, n.d. <https://www.aad.org/public/diseases/a-z/scabies-overview>. Accessed 14 Feb. 2020.

Centers for Disease Control and Prevention. "Parasites: Scabies." *CDC.org*, 2 Nov. 2010. <https://www.cdc.gov/parasites/scabies/index.html>. Accessed 14 Feb. 2020.

Indiana State Department of Health. "Scabies." *ISDH.IN.gov*, 15 Jul. 2015. <https://www.in.gov/isdh/25434.htm>. Accessed 14 Feb. 2020.

Jaliman, MD, Debra. "Scabies Slideshow: Symptoms, Cause, and Treatments." *WebMD.com*, 17 Jul. 2018. <https://www.webmd.com/skin-problems-and-treatments/ss/slideshow-scabies-overview>. Accessed 14 Feb. 2020.

Johnson, Shannon. "Everything You Need to Know About Scabies." *Healthline.com*, 3 Apr. 2019. Reviewed by Cynthia Cobb, DNP, APRN. <https://www.healthline.com/health/scabies#how-long-does-it-last>. Accessed 14 Feb. 2020.

Mayo Clinic. "Scabies." *MayoClinic.org*, 7 Jul. 2018. <https://www.mayoclinic.org/diseases-conditions/scabies/symptoms-causes/syc-20377378>. Accessed 14 Feb. 2020.