

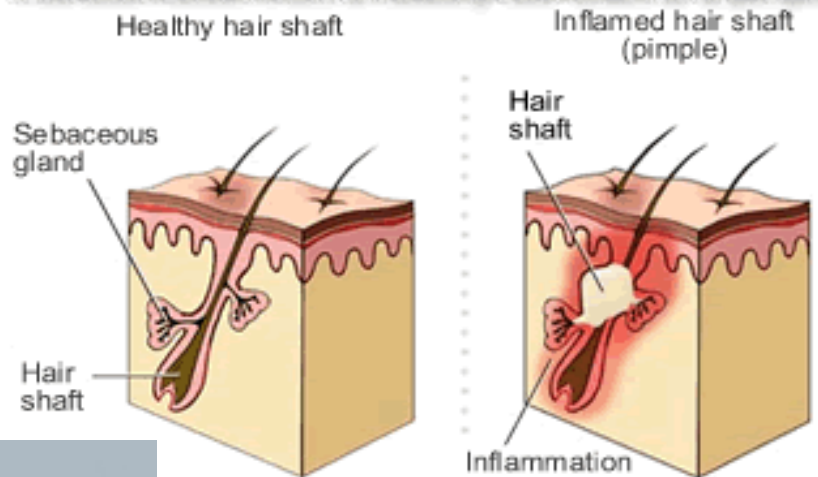
Station 5: Acne

Clogged pores by dirt or over-production of skin oils

Causes & Risk Factors	Symptoms	Treatment Options
Blocked pores Hormonal changes Greasy products Drugs Humidity & sweating Hereditary High sugar diet	Blackheads Whiteheads Cysts Small red bumps Pustules Redness & pain Scarring	Regular cleaning Avoid greasy topicals Over-the-counter medication Prescription medication Laser procedures Dermabrasion Chemical skin peels



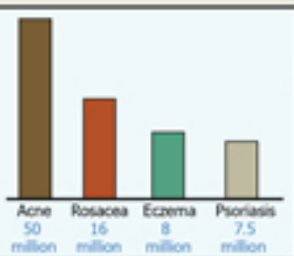
B Transformation from a healthy hair shaft to a pimple



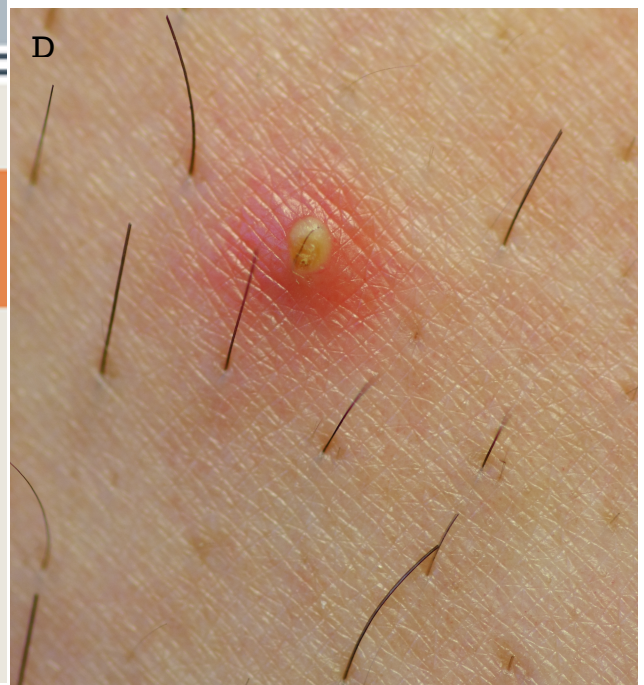
C ACNE by the NUMBERS

FACT:

Nearly 50 million Americans suffer from acne.



95% OF ALL PEOPLE WILL EXPERIENCE ACNE AT SOME POINT IN THEIR LIVES.



A. <http://www.cosmeticskin.com/photos/acnevulgaris.gif>

B. http://dermatlas.med.jhmi.edu/data/images/acne_fulminans_2_070904.jpg

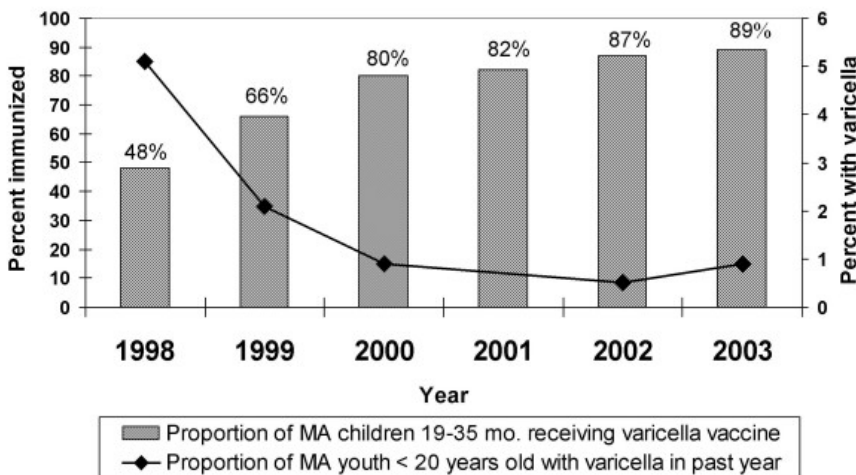
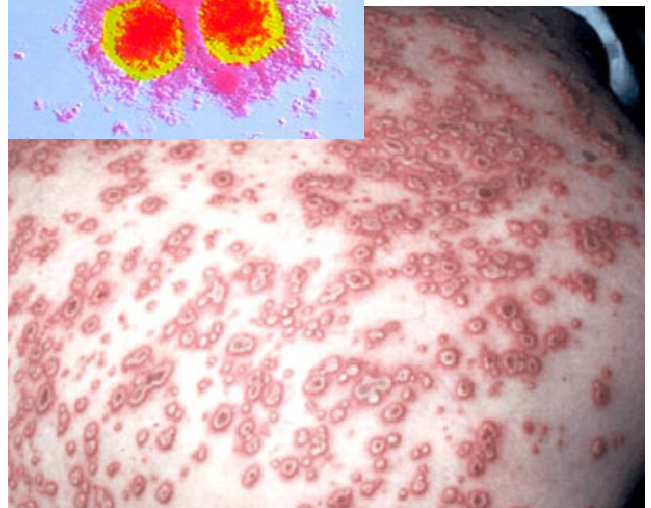
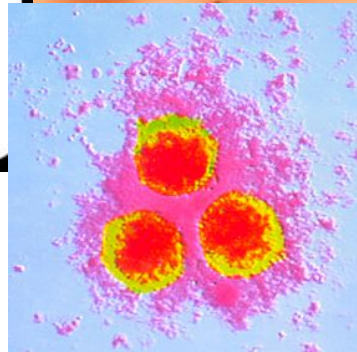
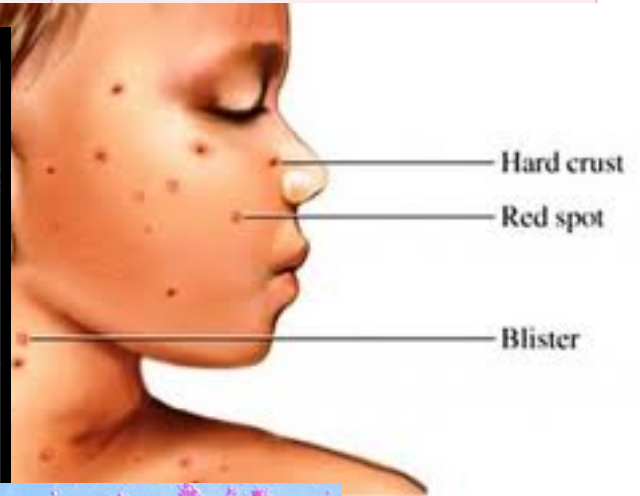
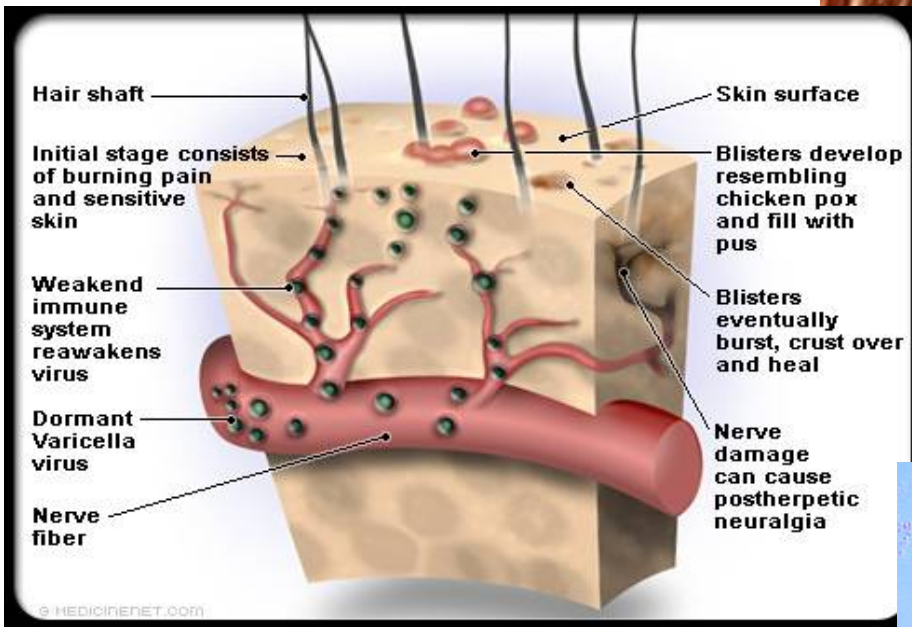
C. http://inwithskin.com/sites/default/files/shutterstock_57209890.jpg

D. <http://blog.mariobadescu.com/wp-content/uploads/2015/07/acne-statistics-infographic-small.jpg>

Station 5: Chicken pox

Viral infection that causes blistering

Causes & Risk Factors	Symptoms	Treatment Options
<p><i>Varicella zoster virus</i></p> <p>Airborne contagion</p> <p>Contact with blister fluid</p> <p>Majority 10 and under</p> <p>*those who have already had varicella may have the virus return as shingles</p>	<p>Rash</p> <p>Blisters</p> <p>Fever</p> <p>Headache</p> <p>Nausea</p> <p>Abdominal cramping</p>	<p>Moisturizers</p> <p>Hydrocortisone creams</p> <p>Antiviral medication</p> <p>DO NOT scratch blisters</p> <p><i>*Vaccination is available to prevent chicken pox</i></p>



- A. http://media.mwcradio.com/mimesis/2012-11/08/chicken%20pox%202_jpeg_475x310_q85.jpg
- B. <http://www.hiv.va.gov/images/library/derm-32.jpg>
- C. http://viraldiseasesc.wikispaces.com/file/view/clip_image003.jpg/173387681/clip_image003.jpg
- D. http://bellaxthree.files.wordpress.com/2011/04/varicella_zoster1.jpg
- E. <http://www.biomedcentral.com/content/figures/1471-2458-5-68-1.jpg>

Station 5: Fungal Infections

Collection of diseases caused by fungi

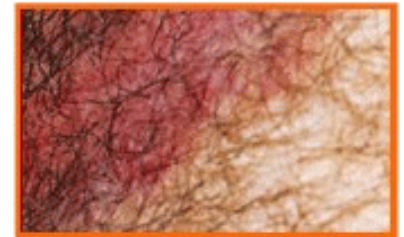
Causes & Risk Factors	Symptoms	Treatment Options
Fungus exposure	Itchy rash	Anti-fungal medication
Athlete's foot – <i>T. rubrum</i>	Discoloration	Creams & ointments
Jock itch – <i>T. cruris</i>	Blisters	Prescription
Yeast infection – <i>candida</i>	Bald patches	Clean skin
Ringworm – <i>T. corporis</i>	Thickened skin	
Scalp ringworm – <i>T. capitis</i>	Ring-like rash	
Nail ringworm – <i>T. unguium</i>	White scaly skin	



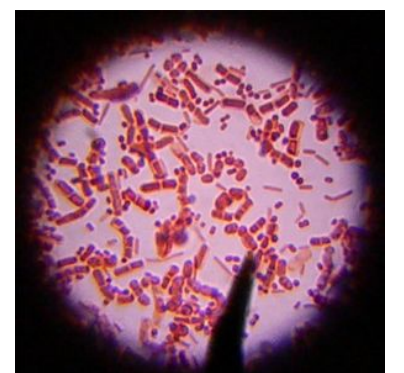
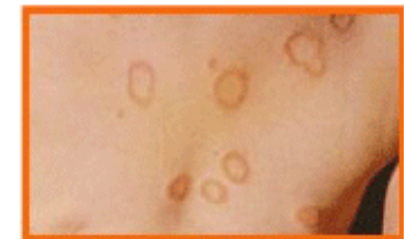
Athlete's foot



Jock itch



Ringworm



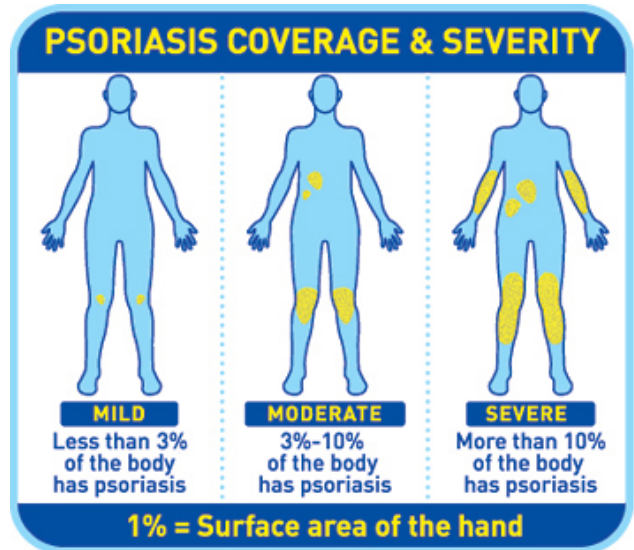
Site of infection	Number	Percent
Groin	106	16.1
Sole and toe webs	15	2.3
Body	432	65.8
Fingernail	6	1
Toenail	3	0.5
Hair and scalp	91	13.8
Scalp	3	0.5
Total	656	100

- A. <http://www.pillwatch.com/content-images/617-1.gif>
- B. http://www.atmph.org/articles/2010/3/2/images/AnnTropMedPublicHealth_2010_3_2_53_77182_b3.jpg
- C. <http://img.ehowcdn.com/article-new/ehow/images/a05/45/jr/effects-candida-800x800.jpg>
- D. <http://defensesoap.files.wordpress.com/2012/02/images41.jpeg>

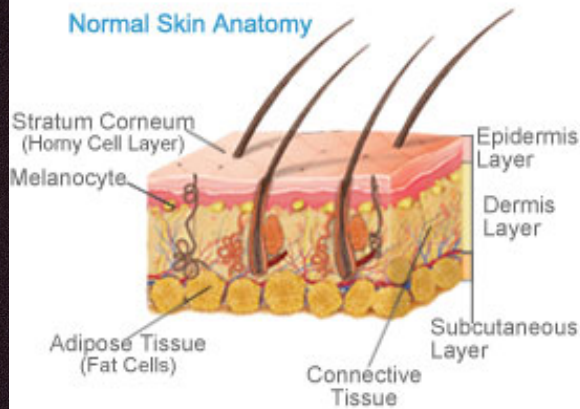
Station 5: Psoriasis

Skin inflammation caused by autoimmune disease

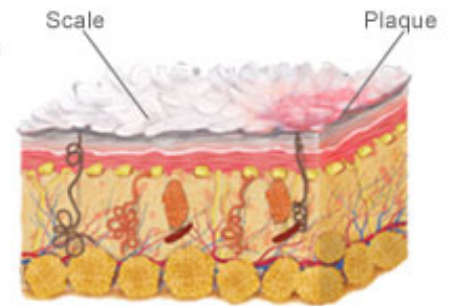
Causes & Risk Factors	Symptoms	Treatment Options
Ages 15-35 most common Hereditary & autoimmune Triggered by infection Dry skin or air Injury to skin Medications & alcohol Stress Sunlight	Red flaky skin patches Itchy skin Scaly skin Raised skin Thickened skin Joint pain Nail changes Dandruff	Ointments Moisturizers Over-the-counter medication Prescription medication Antibiotics Phototherapy



Normal Skin Anatomy



Plaque Psoriasis



Psoriasis is a chronic inflammatory skin disease. It occurs when the immune system sends out faulty signals that speed up the growth cycle of skin cells. The most common form, plaque psoriasis, appears as raised, red patches or lesions covered with a silvery white buildup of dead skin cells, called scale.

- A. <http://www.psoriasis.org/view.image?id=2401>
- B. <http://www.lgmpharma.com/blog/wp-content/uploads/2012/03/psoriasis-plaque-psoriasis-vulgaris.jpg>
- C. <http://www.galderma.com/Portals/0/images/CWT/Psoriasis/Psoriasis-visual1.jpg>
- D. http://hardinmd.lib.uiowa.edu/pictures22/dermnet/psoriasis_erythrodermic_22.jpg

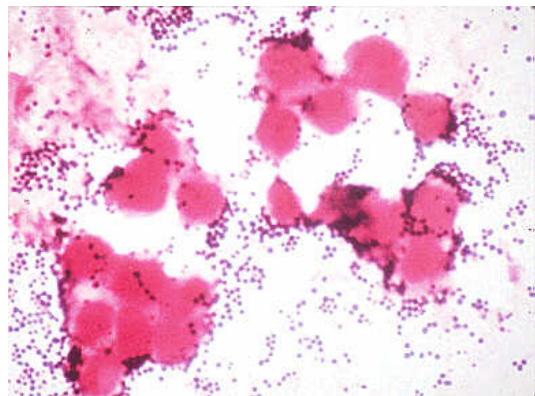
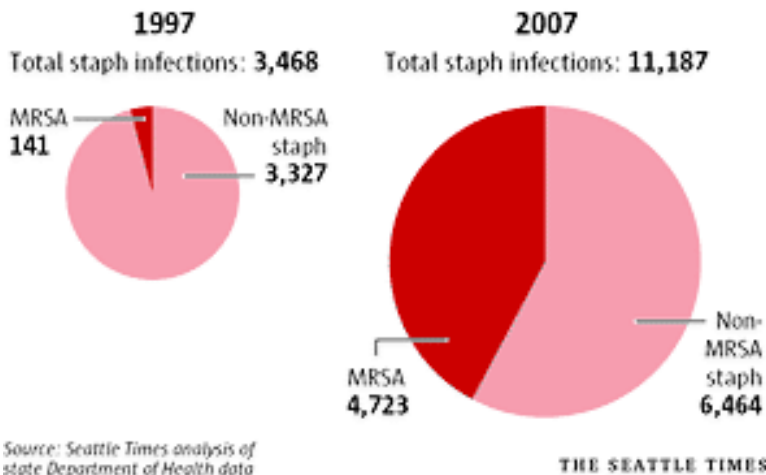
Station 5: Staph Infection

Bacterial infection by *Staphylococcus*

Causes & Risk Factors	Symptoms	Treatment Options
Staphylococcus bacteria Hospitalization Contact sports Chronic illness Weakened immune system Skin injury Burns Surgical wounds	Skin injury Boils Impetigo Cellulitis Scaled skin syndrome Bacteremia Toxic shock syndrome Septic arthritis	Antibiotics Wound drainage Surgical removal *Antibiotic resistant strains are resistant to treatment and may lead to death

MRSA vs. other staph

The number of staph infections among hospital patients in Washington has more than tripled since 1997. Now nearly half of these infections – 42 percent – are MRSA. It accounted for only 4 percent of staph infections in 1997.



- A. <http://textbookofbacteriology.net/images/staph1.jpeg>
- B. <http://diseasespictures.com/wp-content/uploads/2012/11/Staph-Infection-5.jpg>
- C. <http://www.rash-pictures.com/images/sample/1488.jpg> http://microbewiki.kenyon.edu/images/e/e8/MRSA_Infection.jpg
- D. <http://seattletimes.com/ABPub/2008/11/13/2008377981.gif>