Clinical Data Surrounding the Prevalence, Cost, and Mortality of Predominant Skin Disorders
**Atopic Dermatitis**

**PREVALENCE**
18 million adults and 9.6 million children in the United States have been diagnosed with atopic dermatitis.¹

**MORTALITY**
While atopic dermatitis does not directly decrease one’s lifespan, a prolonged hospital stay due to AD flares and corresponding infections have been shown to negatively impact one’s overall health.¹

**COST**
In 2013, the costs associated with the treatment and loss of productivity among those who sought medical care for atopic dermatitis was $442 million.² In 2016 the numbers escalated to $314 and $128 million dollars respectively.³

**Some Additional Facts about Atopic Dermatitis:**
- Atopic dermatitis is more common in females than males.¹
- African-American children have the highest prevalence of diagnosed atopic dermatitis in the United States.¹
- According to the National Eczema Association, 30% of children affected by atopic dermatitis suffer from disrupted sleep 5 or more days a week due to associated symptoms, which ultimately affects their quality of life.¹

**Resources**
2. https://www.aad.org/media/stats/conditions/skin-conditions-by-the-numbers

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**Acne**

**PREVALENCE**
According to the American Academy of Dermatology acne currently affects up to 50 million Americans annually, afflicting both children and adults. It is estimated that nearly 85% of people between the ages of 12 and 24 experience some form of acne.¹

**MORTALITY**
Acne is not associated with increased mortality rates.

**COST**
According to the American Academy of Dermatology, in 2013 the combined cost of treatment for acne and loss of productivity exceeded $1.2 billions.³

**Some Additional Facts about acne:**
- In adults, more women are diagnosed with acne than men.¹

**Resources**
1. https://www.aad.org/media/stats/conditions/skin-conditions-by-the-numbers
Rosacea

**PREVALENCE**
According the American Academy of Dermatology over 14 million Americans are currently affected by rosacea.¹

**COST**
The average cost of treating rosacea varies widely as both oral and topical antibiotics have been proven effective. Topical treatment costs can span from $60.90 for metronidazole 1% gel to $152.25 for 20% azelaic acid cream.³

**MORTALITY**
Rosacea does not decrease one’s life expectancy but it has been proven to have negative effects on one’s quality of life. According to the American Academy of Dermatology 70% of people affected by rosacea have reported lowered self-esteem and a negative effect on relationships with colleagues as a result of rosacea.¹

*Additional facts about rosacea:*
- The majority of people affected by rosacea are between the ages of 30-50.¹
- There are four major categories of rosacea, including: erythematoteliangiectatic, papulopustular, phymatous, and ocular.²

**Resources**
2. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5821167/

Impetigo

**PREVALENCE**
Impetigo is extremely common in children 2-5 years of age, recent findings support the claim that 111 to 140 million children in developing countries can be infected with impetigo at a given point. As impetigo is an acute bacterial infection that can resolve on its own it is difficult to predict the current prevalence.

**COST**
Topical ointments, such as mupirocin, are typically the recommended treatment plan for impetigo and the total cost of such prescriptions is dependent on the patient’s individual insurance plan.³

**MORTALITY**
While impetigo does not affect one’s lifespan, patients are at risk for contracting secondary infections at the open skin sites, including cellulitis.⁴

*Additional facts about impetigo:*
- Impetigo can be classified as either primary or secondary impetigo. Primary impetigo is a bacterial infection on previously healthy skin while secondary impetigo is classified as an infection at the site of a pre-existing skin opening. These openings may include lesions, excoriated skin, or previous trauma.¹
- Impetigo can be further classified into bullous or non-bullous impetigo based on the presence or absence of bullae formed from enlarged fluid filled vesicles, respectively.¹

**Resources**
3. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4552802/
5. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6350784/

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Alopecia

PREVALENCE
According to the National Alopecia Areata Foundation, the national prevalence of alopecia is 6.8 million people within the United States, and 147 million people globally.²

COST
According to the National Alopecia Areata Foundation, treatment for alopecia areata is often seen as an elective cosmetic procedure and as a result is not covered by insurance. This problem is exacerbated by the fact that there are currently no FDA approved preventative treatment plans for alopecia.³

MORTALITY
The diagnosis of alopecia does not decrease one’s life expectancy but can increase psychological stress and decrease one’s quality of life.¹

Additional facts about alopecia:
• Alopecia is a polygenic disease.²
• There are three classifications of alopecia including: alopecia areata, alopecia totalis, and alopecia universalis²

Resources

Vitiligo

PREVALENCE
Vitiligo is expected to affect anywhere from .1% to 2% of the general global population.³

COST
According to a study done by the American Academy of Dermatology, treatment of vitiligo costs around $49 million annually to treat, with an additional loss of productivity totalling $6 million.³

MORTALITY
While vitiligo is not a life-threatening illness, it is often accompanied by a variety of psychological side-effects, especially when the absence of melanocyte cells are particularly obvious. Individuals suffering from vitiligo have reported stigmatization, social isolation, and a decreased self-esteem.²

Additional facts about vitiligo:
• Biopsies of depigmented skin affected by vitiligo indicate an absence of epidermal melanocytes.²

Resources
Psoriasis

PREVALENCE
According to the National Psoriasis Foundation over 8 million Americans and 120 million people worldwide suffer from psoriasis, estimating that 2% to 3% of the global population are affected.1

COST
It is estimated that individuals seeking treatment for psoriasis will spend $11,498 on treatment in their lifetime and that Americans pay spend on average $51.7 to $63.2 billion dollars a year for direct psoriasis treatment.2

MORTALITY
While psoriasis does not decrease one's life expectancy directly it is often associated with detrimental physical, psychological, and social consequences.2

Additional facts about psoriasis:
- Onset of psoriasis typically occurs between the ages of 15 and 25 but symptoms can arise at any age.
- 1.3% of African American's are affected by psoriasis while the prevalence is 2.5% among Caucasians.1

Resources
1. https://www.psoriasis.org/content/statistics