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# Hypothesis Testing: Skin Lotion

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3 min read

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## Hypothesis Testing: Skin Lotion

### Key Takeaways

- Ingredients such as dimethicone, glycerin, urea, and lactic acid in a lotion provide skincare benefits. However, there is variability in the advantage supplied by moisturizer formulations.
- Research on the effect of a skincare regimen that includes the use of lotions found that the microbiome balance and diversity of the skin were positively influenced, resulting in protection from further skin ageing and boosting long-term skin health.
- The Multi-decade and Ethnicity study is Olay's largest clinical study yet, commissioned to find the "biological commonalities" among females who look younger than their true age. Findings show that skincare habits, among other factors, influence skin ageing.

### Introduction

We have provided the requested information concerning Hypothesis Testing: Skin Lotion. The information provided includes research that proves the merit of lotion on the long-term impact on the skin. Although the companies that commissioned these studies are unknown, the researchers have been identified as consultants for specific skin-care companies.

### A Multi-Functional Anti-Aging Moisturizer Maintains a Diverse and Balanced Facial Skin Microbiome

- The study was done to determine if a skincare routine that includes the use of lotions improved skin ageing. The result after 28 days showed a shift in the distribution of the facial skin microbiome, which positively influenced the skin microbiome balance and diversity, promoting long-term skin health and protection from further skin ageing.

- Revision Skincare is the first brand to leverage the power of the microbiome to offer anti-ageing benefits for the neck and neckline. The company is committed to delivering youthful-looking skin solutions without compromising the long-term health of the skin.

### Understanding Moisturizers and Their Clinical Benefits

- The study confirms the skincare advantages of ingredients like dimethicone, glycerin, urea, and lactic acid. According to the author, benefits provided by lotion formulations vary with skin type, the medium, and the demands of each user.
- Johnson and Johnson ingredients glossary shows that dimethicone and glycerin are used as skin conditioner and humectant in its baby lotion. Both ingredients are leveraged for their moisturizing, soothing, and softening effect on the skin.

### Multi-Decade and Ethnicity Study (MDE)

- The study looked for the “biological commonalities” among females who look younger than their real age. It was discovered that skincare habits, environmental factors, and lifestyle choices could influence skin-ageing.
- Under the leadership of Dr. Alexa Kimball (Professor of dermatology, Harvard Medical School and Massachusetts General Hospital), the Multi-decade and Ethnicity study is Olay’s largest clinical study yet. Findings from the study have been used in the production of products such as Luminous Moisturizer for Glowing Skin which recommends daily use for long-term.



Source

## Research Strategy

To provide relevant details on Hypothesis Testing: Skin Lotion, we leveraged the most reputable sources of information available in the public domain, including Revision Skincare, Journal of Applied Microbiology, Johnsons Baby, Olay, and Practical Dermatology for Pediatrics.

In some instances, slightly dated resources were used, considering the highly specific nature of the topic and the unavailability of more recent reputable sources that meet the research criteria. After extensive research through academic publications, scientific reports, and company articles/reports, we were unable to identify the specific companies that commissioned some studies and why. However, the researchers in such cases were identified as employees/consultants for Revision Skincare®, and Johnson & Johnson.

## Did this report spark your curiosity?

Start Wondering

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