Epidemiologic study on fragile skin in 12 countries: Russia, Mexico, Germany, United Arab Emirates, Taiwan, Hong-Kong, Brazil

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INTRODUCTION

The world population is very diverse, containing many types of skins. Lifestyles and stressful environment influence the status of different skin categories and can cause fragility of epidermis but also its perception.

This epidemiologic study was set up to assess the prevalence of perceived « Fragile skin » across different skin types in a general adult population in 12 countries (Germany, France, Spain, Sweden, Japan, USA, Russia, Mexico, United Arab Emirates, Taiwan, Hong-Kong, Brazil).

METHODOLOGY & THEORETICAL ORIENTATION

A cross-sectional subject survey was conducted in **12 countries** between 2013 and 2018 by CSA Health Institute

Subjects

A representative sample of about **9141 individuals** (18-34 years old, except USA 15-34 years old) with a sex ratio of 1/1 between countries, except for UAE: 76.8% of subjects were male.

This questionnaire, based on quota method on gender, age and geographical regions, was self-administered and performed online or by phone.

Quesionnaire's topics

- Socio-demographics
- Skin type
- Skin characteristics
- Skin symptoms
- Skin diseases
- Dermatological acts
- Environment & climat
- Perception of Fragile skin

Statistical tests

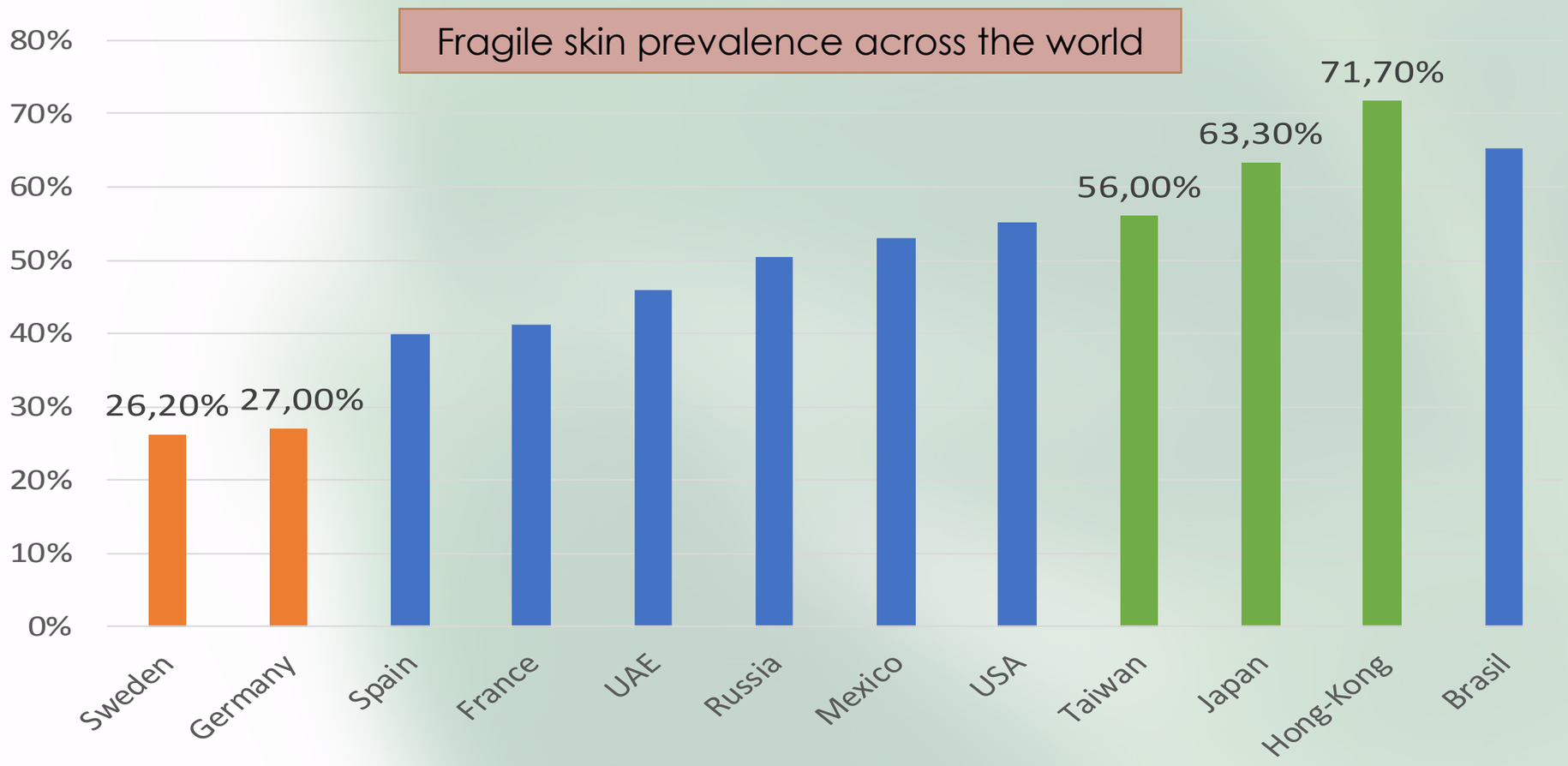
- Proportion of perceived fragile skin is based on question Q6* and the 95% CI** is calculated using the Clopper-Pearson method.

Descriptive statistics

- Overall population



RESULTS



- Across the world → **perception of fragile skin is very diverse** in the 18-34 age category:
  - from **26,2% in Sweden**
  - to **71,7% in Hong-Kong**
- Trend → perception of fragile skin is not only correlated with the environment, climate or age but also with the **culture**.
- Indeed, fragile skin perception in Asia (56%, 63.3% and 71.7%) ++ important than in Northern Europe (26.2% and 27%).

CONCLUSION

Fragile skin perception across the world in the 18-34 years old category is variable, ranging from 71.7% in Hong-Kong to 27% in Germany. These results show that fragile skin is not only correlated with the environment, climate or age but also with the culture.
They confirm that the interest of young Asians in skin care and respect is higher than that of Europeans.

World Dermatology Congress, 13-14 March 2019, Singapour, SG