

INTRODUCTION

- This study examines **global collaboration trends** in otolaryngology research, focusing on partnerships between the United States and countries across different income levels.
- The primary objective** was to assess the extent and distribution of research collaboration by income category—low-income (LIC), lower-middle-income (LMIC), upper-middle-income (UMIC), and high-income countries (HIC)—and to determine the **representation** of these countries in authorship roles.

METHODS

- We conducted a **retrospective bibliometric analysis** of 163 collaborative otolaryngology publications from 2018 to 2024 across nine major U.S.-based journals.
- Using Scopus, we identified studies involving international co-authors and categorized their countries by **World Bank income classification (LIC, LMIC, UMIC, HIC)**. The research focused on publication characteristics, authorship distribution, and the proportion of significant authorship positions (first, last, corresponding).
- No direct interventions were studied. The primary outcomes were authorship representation by **income level and region**. Independent variables included country income group and journal source.
- Descriptive statistics were used to identify patterns and **disparities in global research participation**.

Global Collaborative Trends in Otolaryngology Research: U.S. Partnerships with Low-, Middle-, and Other High-Income Countries

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FIGURE

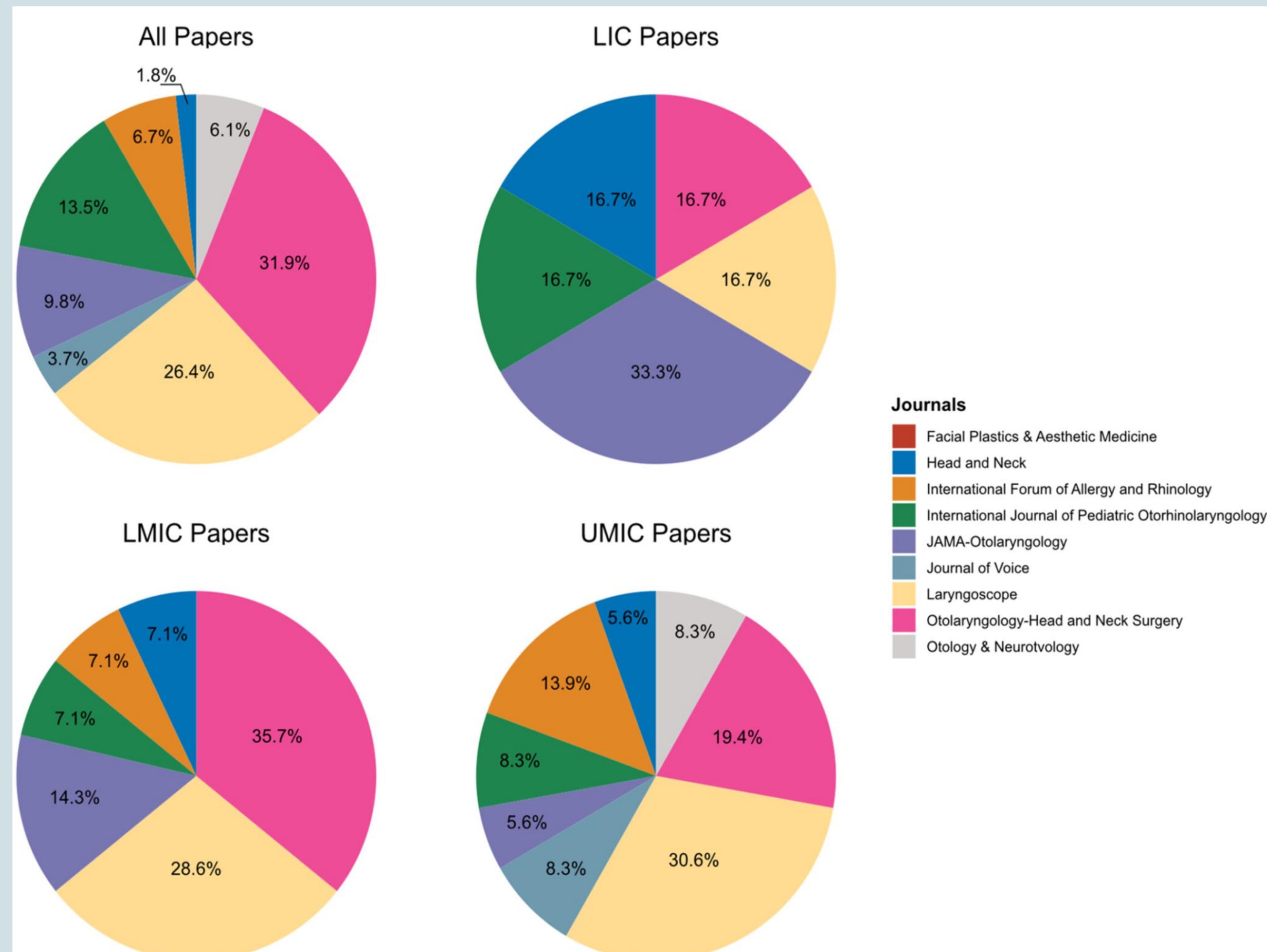


Figure 1: Distribution of Publications by Journal and Country Classifications

RESULTS

- LIC authors comprised 0.82% of total contributors** with no significant authorship roles, while LMIC authors accounted for 2.07%, with only 0.94% in leading positions. In contrast, HIC authors represented 92.54% of all authors and 94.36% of significant roles.
- Uganda and Egypt** were top LIC and LMIC collaborators, respectively.
- Most LIC/LMIC publications appeared in **Otolaryngology-Head and Neck Surgery** and **JAMA Otolaryngology**.

CONCLUSION

- U.S.-based otolaryngology research collaborations with LICs and LMICs are **limited** in scope and depth, with authors from these regions rarely occupying leadership roles in publications. These findings emphasize the need for more **equitable and inclusive** global research partnerships to advance health equity in otolaryngology.
- Strengthening** such collaborations should be a strategic priority for the global research community.