

Henry Ford Health System, Detroit, MI

INTRODUCTION

- Osteoarthritis can be caused from normal “wear and tear,” genetic predispositions or idiopathic causes¹
- Oftentimes a hip arthroscopy provides excellent visualization and sometimes treat certain etiologies of hip pain²
- Morphometric abnormalities in the hip can predispose to increased stress on the hip and clinically lead to femoroacetabular impingement¹
- People in America largely have access to internet and search engines
- 84% of patients search for information online prior to elective orthopedic procedures via Google³



OBJECTIVES

- To determine the questions searched related to hip arthroscopy
- To compile a list of the most commonly searched questions
- To analyze the quality of the websites to answer these questions
- To help understand patient concerns and the content available
- To understand information and education gaps



METHODOLOGY

- Six search terms and the first 100 generated by Google’s software of frequently asked questions (FAQs) were extracted onto an excel sheet using Scraper
- Two reviewers first categorized the questions according to Rothwell’s classification system^{4, 5}

Rothwell's Classification	Description
Fact	Asks whether something is true and to what extent, objective information Ex: Is hip arthroscopy covered by insurance?
Policy	Asks whether a specific course of action should be taken to solve a problem
Value	Ex: What exercise is good for a hip impingement? Asks for evaluation of an idea, object, or event Ex: How painful is hip arthroscopy:?

Table 1: Rothwell’s classification system of questions.

- Discrepancies between the two reviewers were resolved by a third party
- Questions were further classified into one of 15 topics relevant for ACL reconstruction: Specific Activities, Restrictions, Timeline of Recovery, Technical Details, Cost, Anatomy/Function, Diagnosis, Indications/Management, Risk/Complications, Pain, Longevity, Evaluation of surgery, Injury Comparison, and Other
- The Journal of American Medical Association (JAMA) Benchmark Criteria was used to measure website quality

Criteria	Description
Authorship	Clearly identifiable author and contributors with affiliations and relevant credentials present
Attribution	References and sources clearly listed with any copyright information disclosed
Currency	Clearly identifiable posting date of any content as well as date of any revisions
Disclosure	Website ownership clearly disclosed along with any sponsorship, advertising, underwriting, and financial support

Table 2: JAMA Benchmark Criteria for website quality quantification.

- One point is assigned for the presence of each component and totaled for a final JAMA score⁶
- This instrument has been used in multiple previous studies to investigate the quality of online health information⁷⁻¹⁰

RESULTS

How do you poop after hip arthroscopy?
How long does arthroscopic hip surgery take?
Is hip arthroscopy worth it?
Is hip arthroscopy major surgery?
What happens if a hip labral tear goes untreated?
How painful is hip arthroscopy?
Do hip labral tears show up on MRI?
How do you sleep after hip arthroscopy?
Should I walk with hip pain?
How do you shower after hip labrum surgery?
How long is recovery after hip arthroscopy?

Table 3: Top 11 most searched questions for hip arthroscopy related searches.

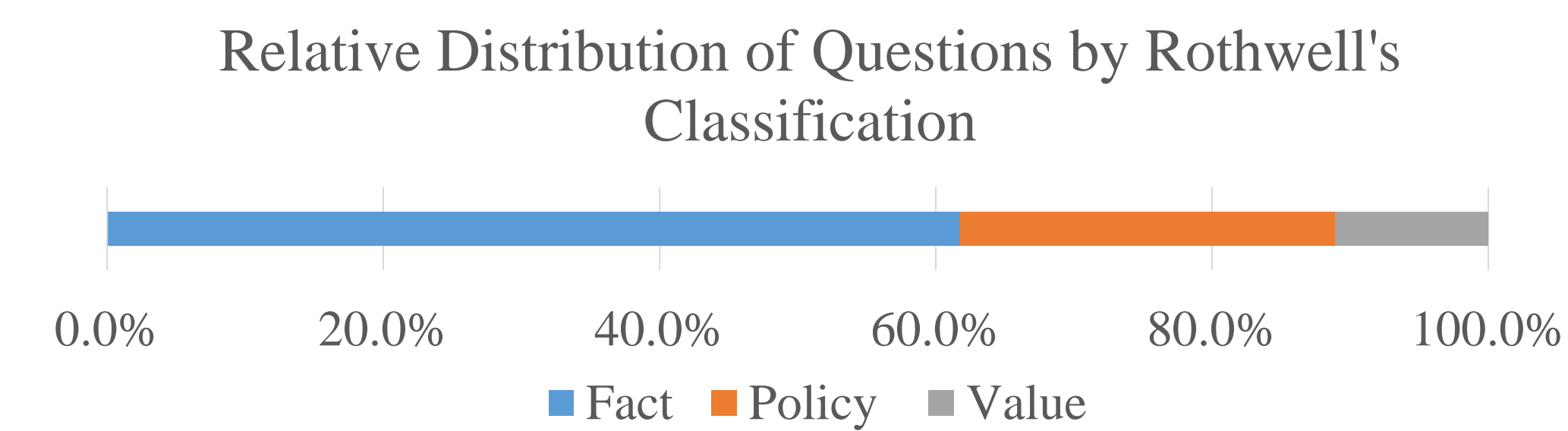


Figure 1: Rothwell classification of the questions.

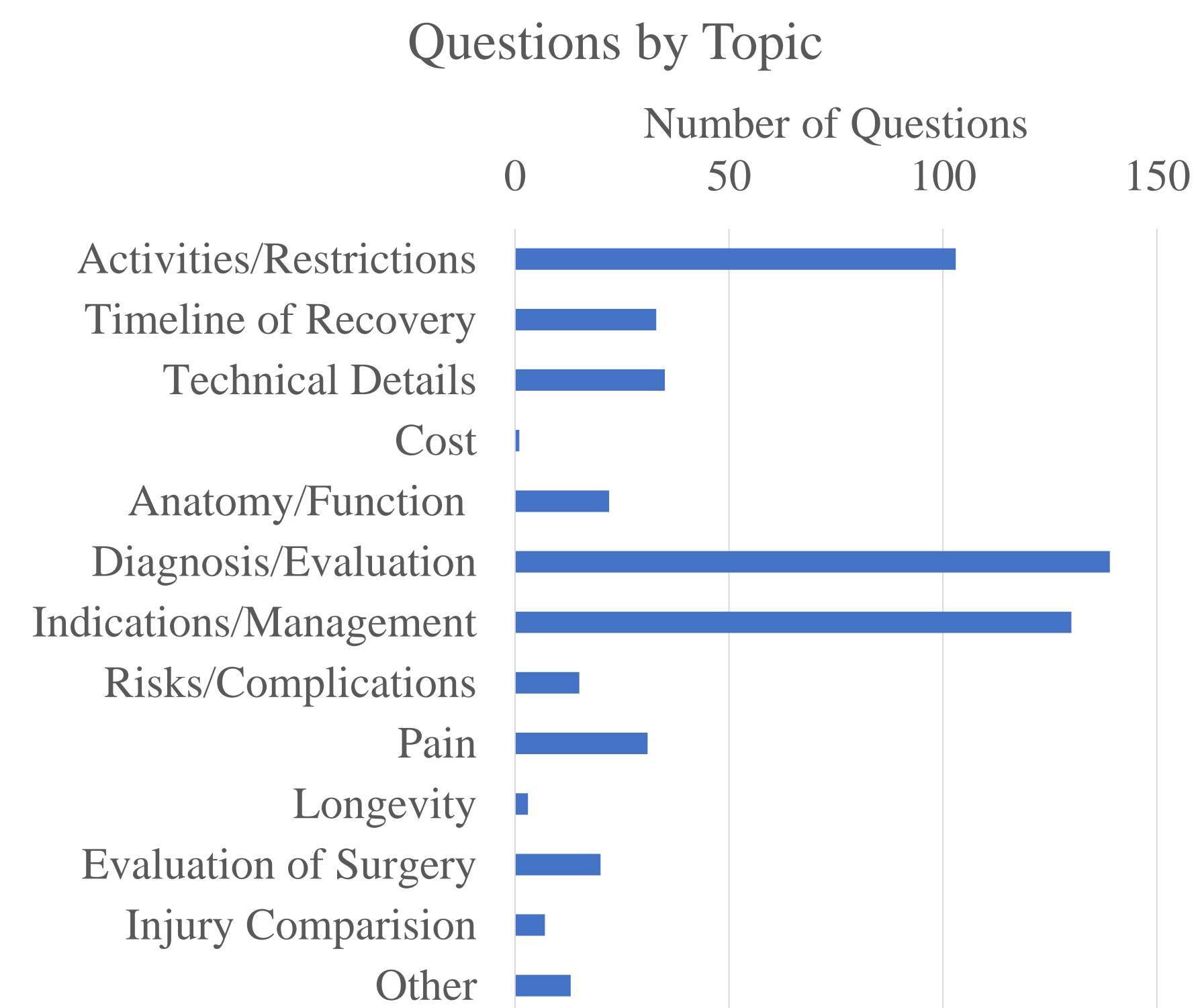


Figure 2: Topical classification of the questions.

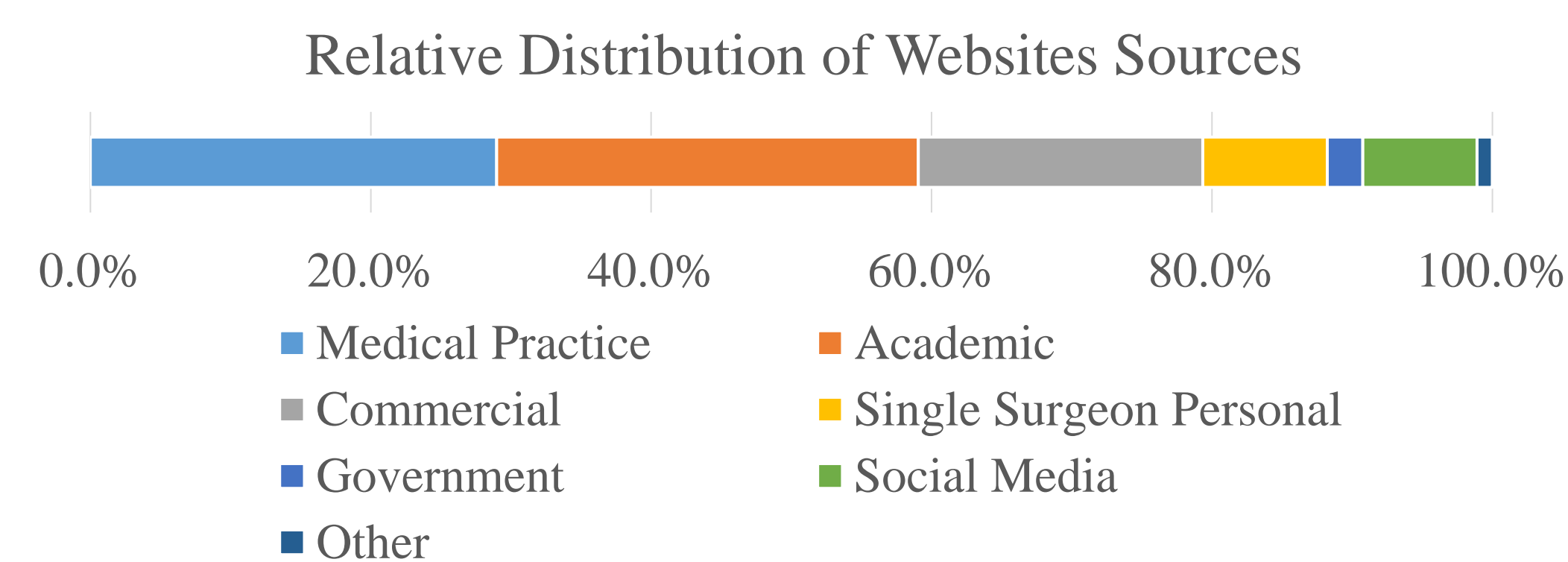


Figure 3: Distribution of website sources searched.

RESULTS

- 552 unique questions and 371 websites were extracted and categorized
- Of Rothwell’s classification, 61.8% of questions fell into fact category
- Diagnosis/Evaluation, indications/management and activities/restrictions were the most searched topics
- Comparatively, questions about cost and longevity were not as searched as much
- Commercial had the highest JAMA score (3.53), and Medical Practice (1.76) had the lowest

CONCLUSIONS

- Patients appear to be most concerned with Diagnosis/Evaluation, Indications/Management, and Activities/Restrictions related to Hip arthroscopy
- A wide distribution of website content is currently available to answer these questions
- Commercial, Social media, and Academic websites sources had the highest JAMA scores
- Using the most commonly searched questions, providers can better understand patient concerns and further develop patient education resources
- Formulation of better perioperative educational pamphlets and lectures can better address their concerns and may lead to better patient outcomes
- Future studies should investigate the utility of content available to patients

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