

Disclosures: Michael B owns the company that operates the website; however, receives no financial benefit. The site has no advertisements or commercial sponsorship. It uses Creative Commons licenses (CC BY-SA, CC BY-NC-SA). All other authors: Nothing to disclose.

Background

Observational data suggests seekers of pathology information (PI) have focused questions and value the ease of finding info, based on web statistics; however, PI consumption is still incompletely characterized and infrequently stratified by practicing pathologist and learner.

Where information is sought and what is important may give insight into how PI may be delivered in the future.

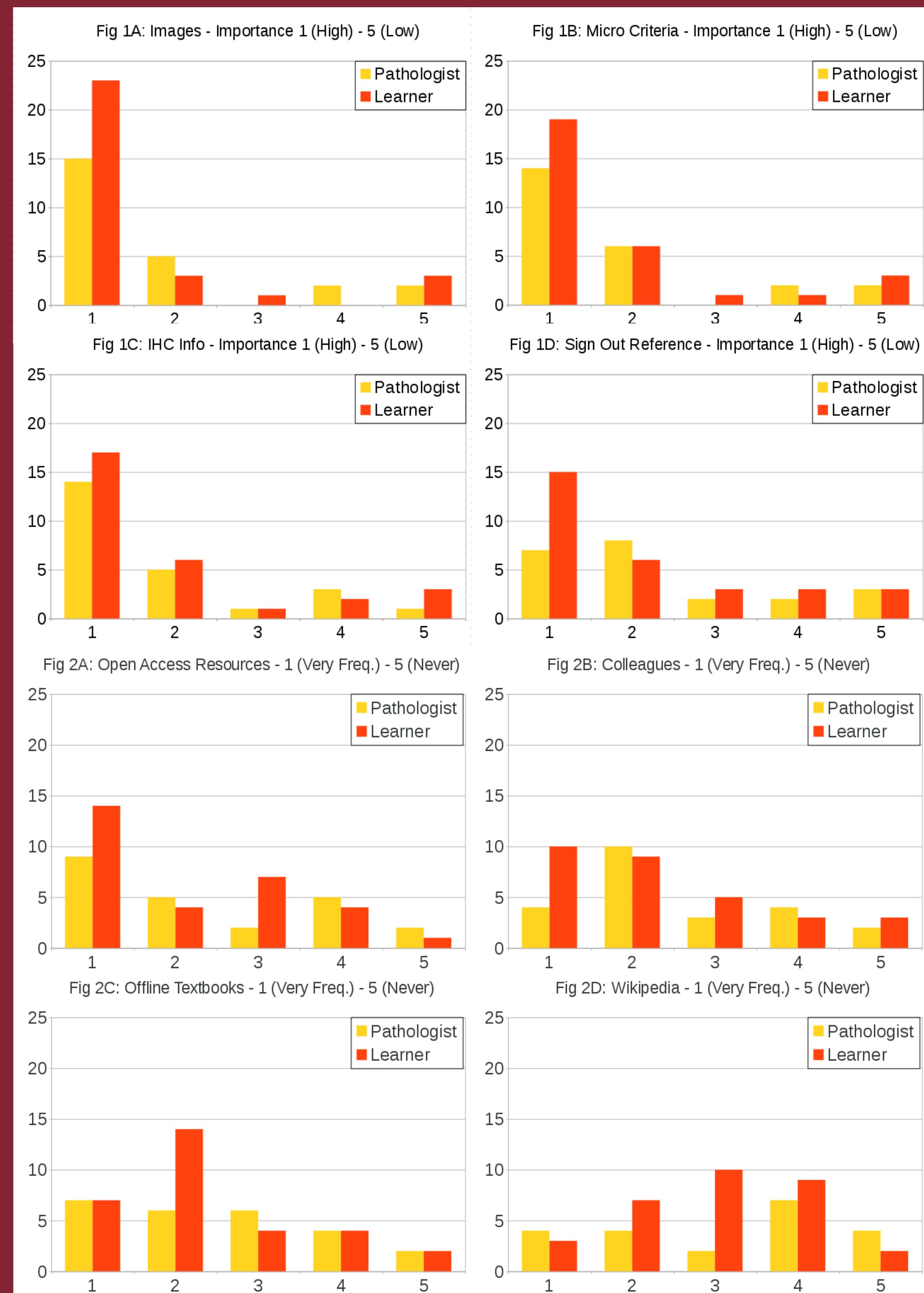
Design / Methods

An online survey was done using limesurvey (limesurvey.org). Participants were recruited from an open access pathology website (Libre Pathology), via Twitter, email and word of mouth.

Results

A total of 59 participants completed the survey (25 pathologists, 33 learners (3 fellows, 30 residents), 1 other health professional) and were from various regions (North America 39, Asia 9, Europe 5, Africa 5, Other 1).

Among learners (L) and pathologists (P) elements rated very important (VI) were images (70% L/60% P), followed by microscopic criteria (58% L/56% P) and IHC info (52% L/56% P) – Fig 1A-1C.



Learners and pathologists differed on the VI ratings for spot diagnosis quizzes (39% L/28% P), sign out examples (45% L/28% P), image annotations (27% L/48% P) and references (12% L/28% P) – Fig 1D.

Both groups very frequently (VF) sought info via search engines (30% L, 32% P) and open access websites not involved in the survey (42% L/36% P) – Fig 2A.

Learners preferred login web sites (24% vs 12% VF) and colleagues (30% vs 16%), while pathologists preferred the primary literature (36% vs 6%) & review articles (24% vs 6%) - Fig 2B.

Offline textbooks (28% vs 21%) and Wikipedia (16% vs 9%) were more VF used by pathologists; however, learners less frequently 'never' used Wikipedia (16% vs 6%) - Fig 2C-2D.

Conclusions

The interest in images suggests that picture-matching is important and images showing variation likely desired. The interest in sign out examples among learners may indicate an increased desire for standardization.

The differing importance placed on references and the medical literature may reflect a change in where individuals get information (media versus social media) and the ease of finding information/verification with other sources. PI seekers use a variety of sources.

Offline resources remain important; however, learner-pathologist differences suggest that PI is increasingly being sought online and open access resources may be preferred.