

Spine surgeons using Instagram aim to reach patients with #endoscopicspinesurgery

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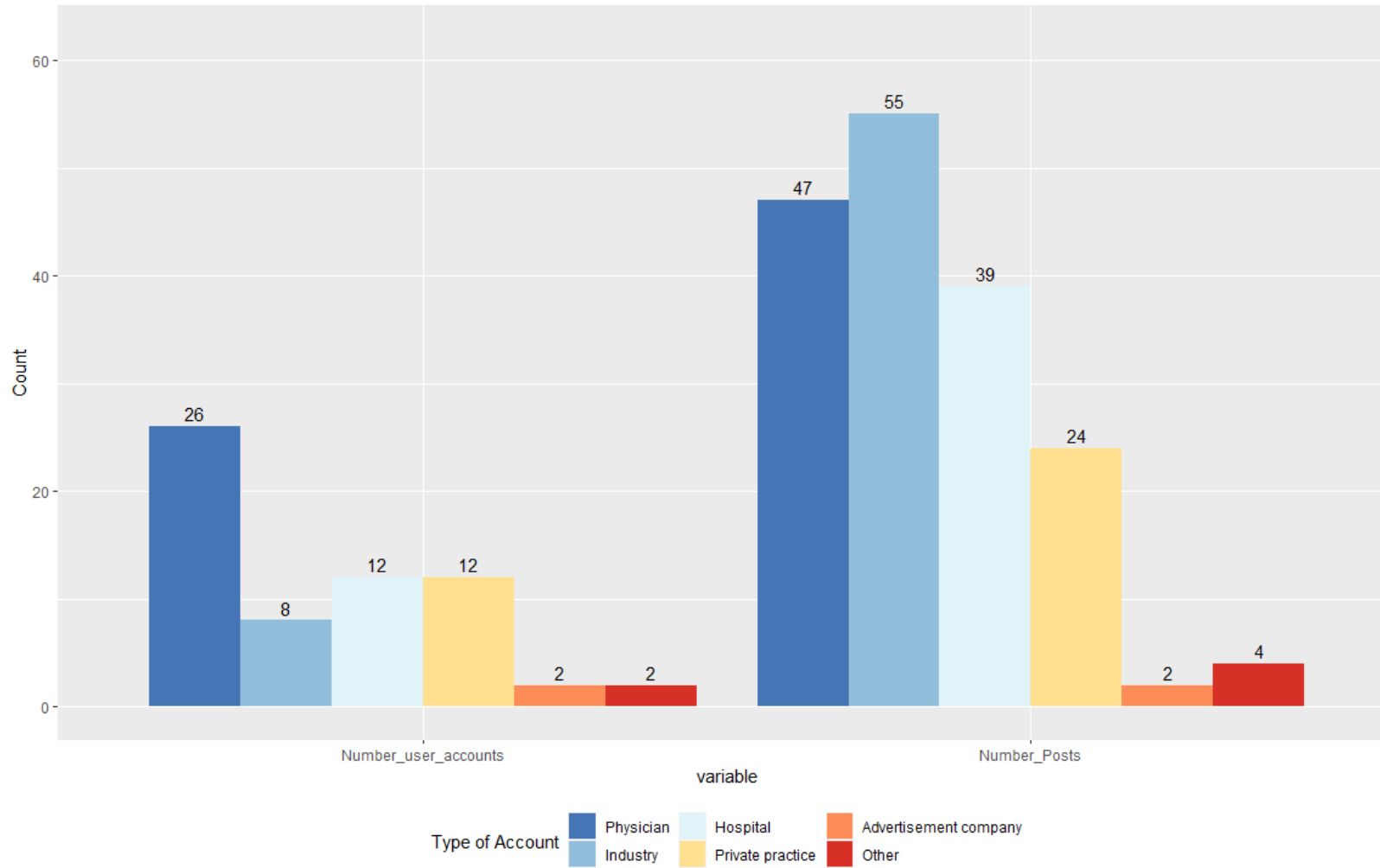
Intro / Aims

- Social media is becoming increasingly popular within healthcare
 - Potential Benefits:
 - Increasing provider accessibility
 - Connecting with patients
 - Spreading accurate medical knowledge
 - Advertising healthcare provider education
 - Curating surgeons' and medical facilities' reputations
- Aims:
 1. To understand the ways medical professionals currently use Instagram
 2. Create guidance for medical professionals wanting to better utilize social media
- We specifically looked at **#endoscopicspinesurgery** to analyze content related to endoscopic spine surgery

Methods

- Public Instagram posts tagged with #endoscopicspinesurgery, published between Jan 1-March 31, 2022
- 171 posts created by 62 unique Instagram accounts
 - Data collected:
 - Number of followers
 - Number of users they follow
 - Type of account
 - Type of medical professional
 - Post content
 - Hashtags
 - Number of likes
 - Number of comments
- Engagement calculated two ways:
 1. Engagement Rate = $[(\text{likes} + \text{comments}) / (\text{number of followers})] * 100$
 2. Sum of likes and comments

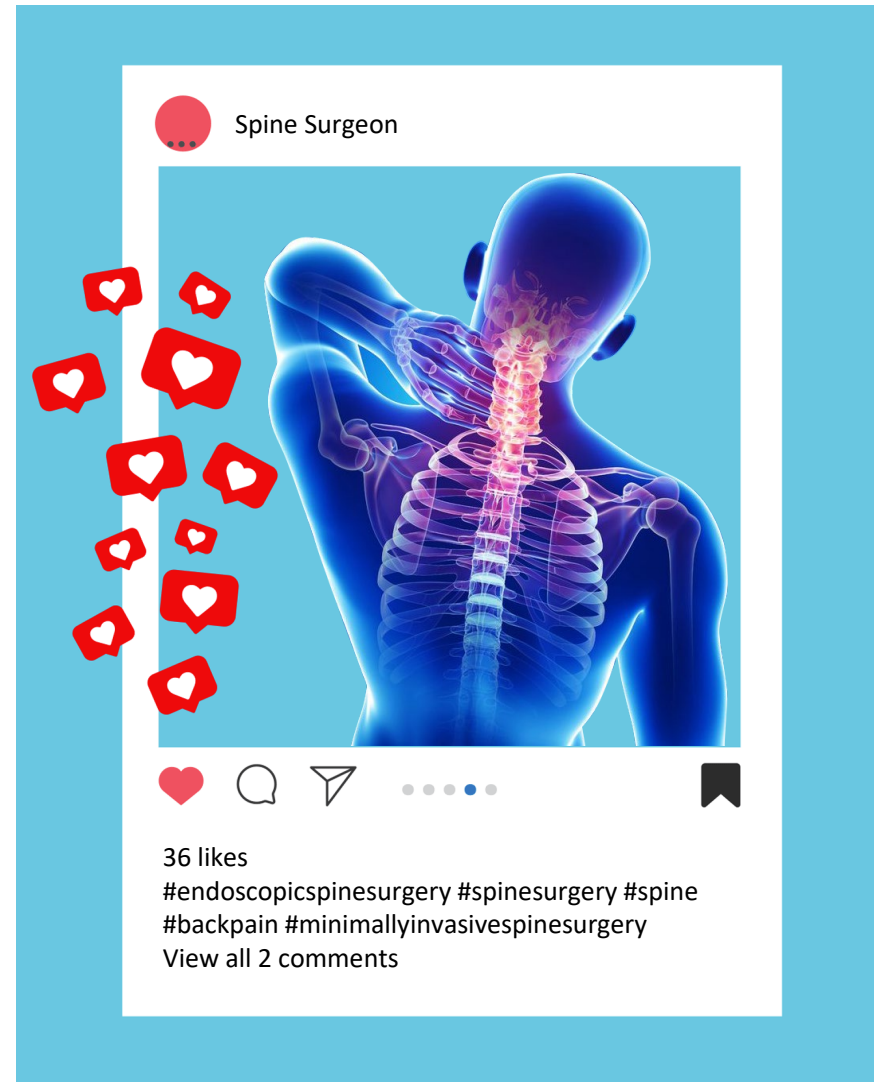
Medical Professionals use #endoscopicspinesurgery

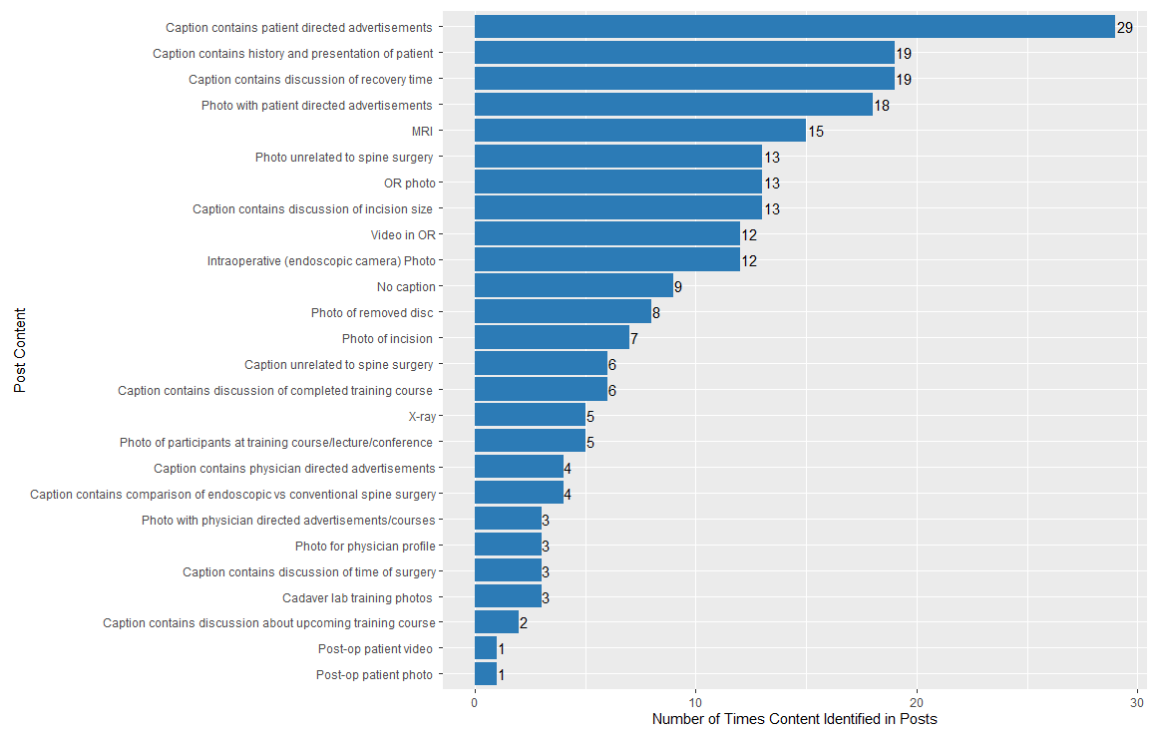


- The majority of accounts posting with #endoscopicspinesurgery are physicians
 - 60% spine or orthopedic surgeons, 25% neurosurgeons, 10% pain management, 5% other
- The majority of posts are from industry
- Medical professionals published an average of 1.85 [SD 1.76] posts per user (range 1-8 posts)

Engaging Posts

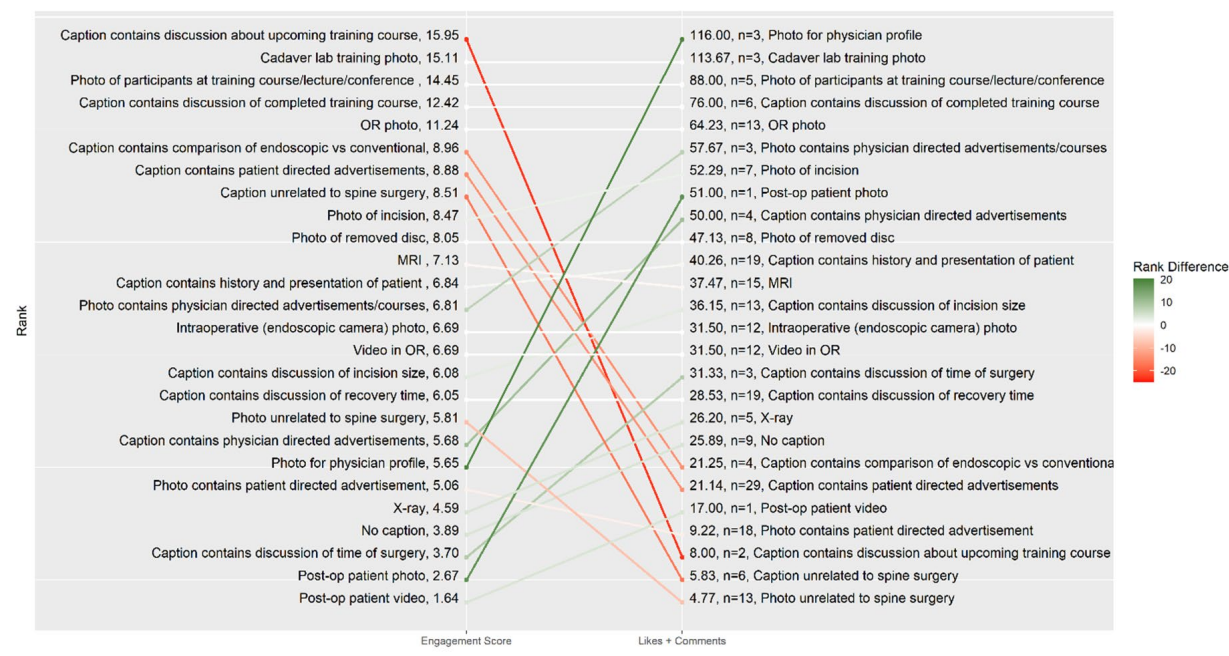
- Average of 35.84 [SD 53.39] likes and 1.47 [SD 2.37] comments
- Number of comments positively associated with the number of likes ($p < 0.001$)
- Commonly co-occurring hashtags included:
 - #spinesurgery
 - #spine
 - #backpain
 - #minimallyinvasivespinesurgery
- Rarely co-occurring hashtags included:
 - #patientswhoflourish
 - #bestspinesurgeon
 - #teamwork
 - #runchangesyourbrain





Average engagement score

Average likes + comments



Physician profiles received the highest average likes + comments



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peterdermanmd A golden endoscope! I'm proud to have been awarded this achievement award for my work in the field of endoscopic spine surgery.

For anyone unaware of this game-changing technology, here is a quick primer: Unlike traditional techniques that require opening up the body to access the spine, endoscopic spine surgery is performed using a narrow camera inserted via a skin incision smaller than a dime. The surgeon can see the spine from within and remove pressure from pinched nerves using micro-instruments. Once this is complete, patients get a stitch under the skin and a glorified Band-Aid. They are comfortably home within hours, often with immediate and dramatic improvement in their symptoms.

#endoscopic #minimallyinvasive #spinesurgery #endoscopicspinesurgery #spinehealth #backpain #sciatica #neckpain #radiculopathy #herniateddisc #spinalstenosis #spondylolisthesis #spine #surgery #backsurgery #spinesurgeon #artificialdiscreplacement #orthopedicsurgery #neurosurgery #spinal surgery #joimax #joimax_international @texasback @texashealth @texashealthsurgery @isass_official @globusmedicalinc @nassspine @aospine_global @nuvasiveinc @aospinena @degenmedical @minimallyinvasivespinesurgery @integrityimplants #dallas #plano #frisco #texas

Edited · 14w

73 likes
MAY 4

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Plano, Texas

peterdermanmd Spine surgeon. Husband. Father. Super model?

Well, maybe not quite, but it is still pretty cool to have my mug on the cover of ON Magazine! The ensuing article does a great job detailing the benefits of endoscopic spine surgery and the efforts we have taken to bring this game-changing technology to our patients.

Read more here:
<https://issuu.com/onmagazinex/docs/onmagazine-health21-issuu/18>

#supermodel #endoscopic #spinesurgery #minimallyinvasive #spinehealth #backpain #sciatica #neckpain #radiculopathy #herniateddisc #spinalstenosis #spondylolisthesis #spine #surgery #backsurgery #spinesurgeon #artificialdiscreplacement #orthopedicsurgery #neurosurgery #spinal surgery #healthcare #medicine #wellness #joimax @onmagazinex @texashealthsurgery @texasback @texashealth #dallas #plano #frisco #texas #telemedicine

72w

bbpbones What a pic🔥

72w 1 like Reply

View replies (1)

120 likes
MARCH 24, 2021

Add a comment...

Photos and captions about training course(s), lecture(s), and conference(s) received the highest average engagement rate and were among the top 5 content categories for both types of engagement



OR photos ranked 5th for top average engagement and likes and comments



Conclusion:

- Medical professionals published the majority of **#endoscopicspinesurgery** Instagram posts
- Posts with cadaver labs, ORs, courses/conferences received the greatest numbers of likes and comments
- The most published content was patient-directed advertising
 - Suggests medical professionals post public content on Instagram to connect with new patients
- This study helps reveal how individual medical professionals use Instagram specifically regarding endoscopic spine surgery