

"Sweet Likes": Social Media Interactions about Physical Activity

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Introduction

- •Social media use is increasing with 890 million daily users of Facebook alone (2014 Facebook's 4th quarter earnings)
 - Over social media, college students spend an average of 27 minutes a day communicating with friends, sharing information and events, for entertainment, and to pass time (Pempek et al., 2009)
- •While the benefits of social relationships for well-being have been established (Cohen, 2004), less is known about social relationships via social media
- Exchanges have been associate with improved social capital and well-being (Ellison, Steinfield, & Lampe, 2007)
- •Social media has been used as a tool in health promotion interventions (Cavello et al., 2014; Hamm et al., 2014)
 - Research has yet to explore how exchanges on social media are related to a specific behavior such as physical activity (PA)

The purpose of this study was to explore social interactions over social media in regards to PA

Methods

Participants:

- N = 244; Mean Age = 24.5 years (SD = 24.5 years)
- Female (n=118, 48.4%); Male (n=108, 44.3%); Not reported (n=18, 7.4%)
- Ethnicity: Caucasian (n=105, 43%), Latino/Hispanic (n=56, 23%), Asian/Pacific Islander (n=33,13.5%), Multiracial (n=20, 8.2%)

Procedures:

- Participants were recruited in person or through class announcements
- Completed an in person or online survey that took \approx 10 min **Survey:**
- Series of open ended questions (OE) and closed ended questions that were either a Yes/No or list of social media types
 - **General social media use:** Use of social media (Yes/No), type of social media (list), minutes per day (OE) and times per day checked (OE)
 - Sharing PA over social media: Use of social media to post about PA on social media (Yes/No), commonly used networks (list), information posted (OE) and reasons for sharing (OE)
 - Reactions to PA specific posts: Response by others to the participants' posts (OE) and how participant reacts to other's PA posts (OE)
 - **Physical Activity:** Godin Leisure Time Exercise Questionnaire (Godin & Shepard, 1985)

Analysis:

- Thematic analysis of open ended questions about reasons for posting, not posting, and responses to posts
- Independent t-tests: Compare PA levels of those who share and do not share PA

"Show what I do/what I love to do. Show people that I am active and love being outdoors"

"Because I am proud of what I accomplish"

"Because of the compliments/ feedback [I] receive motivate me daily"

"I value my privacy and I would rather not let the whole world what my daily schedule is like."

"Not important to share my physical activities with others"

"I'm not too active at the moment"

Other

"Never really thought about sharing PA."

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		Reactions to parti	
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		Encouragement/ s	
Ohh, weet kes."		Likes	
		Invites to other act	
		Other (e.g., "send	
irage n,		Reactions to othe	
ulate d like ment"		Encouragement ("lit")	
		Negative/annoyed	
here ormed vity"		Don't care/ignore	
		Other	

Reasons for Sharing about PA over Social Media Frequency Theme n (%) 51 (36.4%) Keep people in the loop/informed 19 (14.4%) Inspire others 17 (12.9%) Gain recognition/Boost ego Invite others to join in an activity 17 (12.1%) 13 (9.3%) Be motivated themselves 4 (3%) Get tips and task feedback

"You get to share your

progress with the fitness

[communities] along these

social media networks. By

Reasons for Not Sharing PA on Social Media

Theme

Frequency

n (%)

Privacy

33 (35.5%)

Not Interested/Unnecessary

29 (31.2%)

Lack of Confidence and Support 16 (17.2%)
Lack of Posting 14 (15.1%)
Not Currently Active 8 (8.6%)
Annoying/Don't Want to Annoy 8 (8.6%)

sharing PA."

"Likes. Ohh,
those sweet
sweet likes."

positively

question

"I encourage them, congratulate them, and like their comment'

"I ask where they performed that activity"

Reactions to Social Media
Reactions to participants posts

Theme

Frequency
n (%)

Encouragement/ support

Likes

52 (39.7%)

nvites to other activities

5 (3.8%)

Other (e.g., "send pics back")

13 (9.9%)

Cher (e.g., "send pics back")

Reactions to others' posts

Encouragement ("liking"/inspired by t")

Regative/annoyed

13 (9.9%)

161 (66.0%)

51 (20.9%)

"I am passionate about it and like to inspire others.

Maybe change their perspective on exercise"

"Social media allows easier organization and communication to get enough bodies out there to play a larger scale game."

"I feel like showing off about how much physical activity is a form of insecurity. So I don't do it to avoid a double standard"

"I do not share

much on social

media. I read it

but rarely post

things myself"

"I find it irritating when people post their gym activities daily so I don't

reproduce that

behavior"

11 (11.8%)

47 (19.3%)

16 (6.6%)

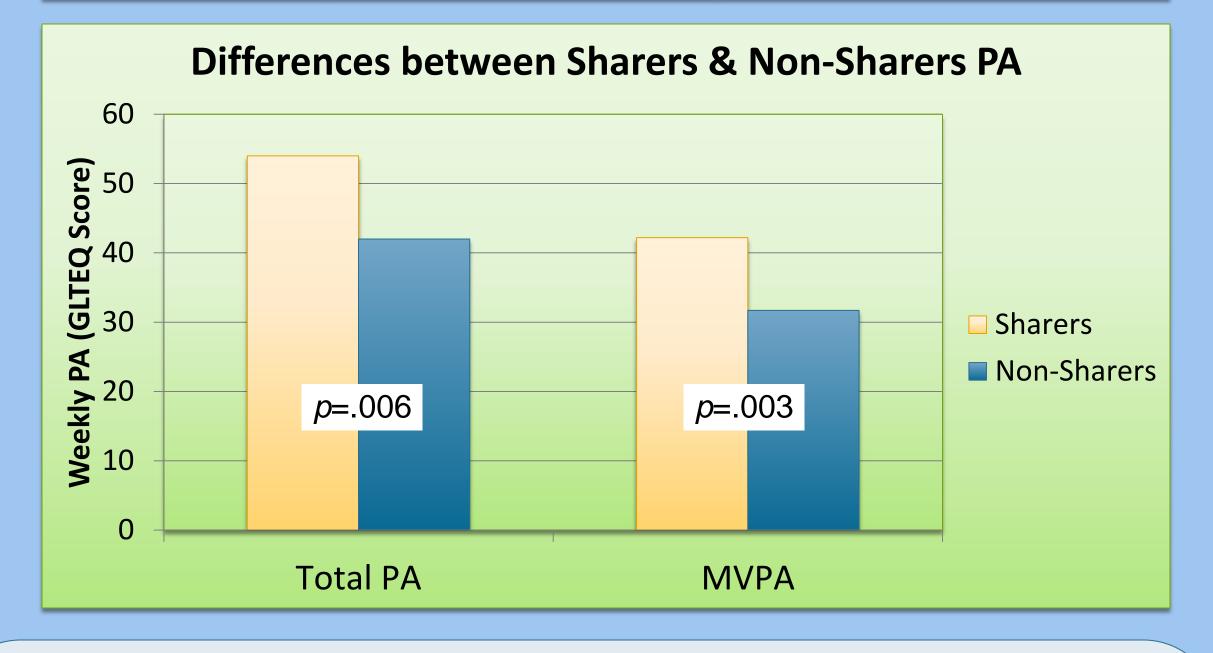
"Sorry I missed it, next time I will go."

"If it comes off as self-righteous or gaudy I will make a sarcastic comment about it"

Use of Social Media in General and for Physical Activity

- Spent an average of 76.0 min/day (SD = 66.1) on social media
- Checked social media an average of 9.3 times /day (SD= 9.9)

	Overall Social Media	Physical Activity Social	
	Use (N=224)	Media Use (N=134)	
Facebook	203 (90.6%)	102 (76.1%)	
Instagram	152 (67.9%)	85 (63.4%)	
Twitter	58 (25.9%)	14 (10.4%)	
YouTube	150 (67.0%)	10 (7.5%)	
Snapchat	108 (48.2%)	9 (6.7%)	
Tumblr	26 (11.6%)	6 (4.5%)	
Other (e.g. Pinterest)	21 (9.4%)	9 (6.7%)	



Discussion

- Responses for sharing and reactions match types of social support seen in literature:
- Aligned with 3 of 6 social support provision (Weiss, 1975):
- Social integration: *Keep others in the loop and Invite others to join in an activity*
- Opportunity for nurturance: Inspire others
- Reassurances of worth: Gain recognition, Inspire others,
 Likes
- Match support reported by participants of a PA intervention (Cavallo et al., 2014):
- Companionship: Invites to activities
- Esteem support: Encouragement and support, likes, be motivated, gain recognition
- Informational support: Get tips and task feedback
- Individuals who share their PA information over social media had significantly higher total PA and MVPA
 - Aligns with previous research stating high levels of social support are associated with higher activity levels (Beets et al., 2010; McNeill et al., 2006).

Strengths

- Large sample (N=224) with diverse backgrounds
- Included a wide variety of social media types

Limitations

- Self-reported data
- Cross-sectional design: Directionality can not be established

Future Direction

 With a potential negative response and some people not feel comfortable sharing (privacy issues), more research needed these unique findings