

# Fuse: SOCIAL MEDIA WORKSHOP

GRAHAM MACKENZIE

CONSULTANT IN PUBLIC HEALTH MEDICINE

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@GMACSCOTLAND

## STRUCTURE

- Tweeting:
  - 1. The basics
  - 2. Personal analytics
  - 3. Analysing other wider tweeting
  - 4. Social network analysis

# 1. THE BASICS

# 1. COMPONENTS OF A TWEET (RULE OF THUMB) TIMING | HASHTAG | USERNAME | MEDIA | WEBLINK

#UniversalCredit is a hashtag
Useful for organising & searching

@bmj\_latest is a Twitter username (handle). In this case it name checks the source (BMJ) and shows them that you have mentioned them — they may retweet you or reply to you



There are two URLs quoted in this tweet – one is a Fuse webpage

The other points to an earlier BMJ tweet which is shown below the Fuse tweet

Images (and videos) can be inserted to draw eye in. They can also be featured in referenced website and shown automatically.

## Rules of #THUMB for effective tweeting



**Timing** 

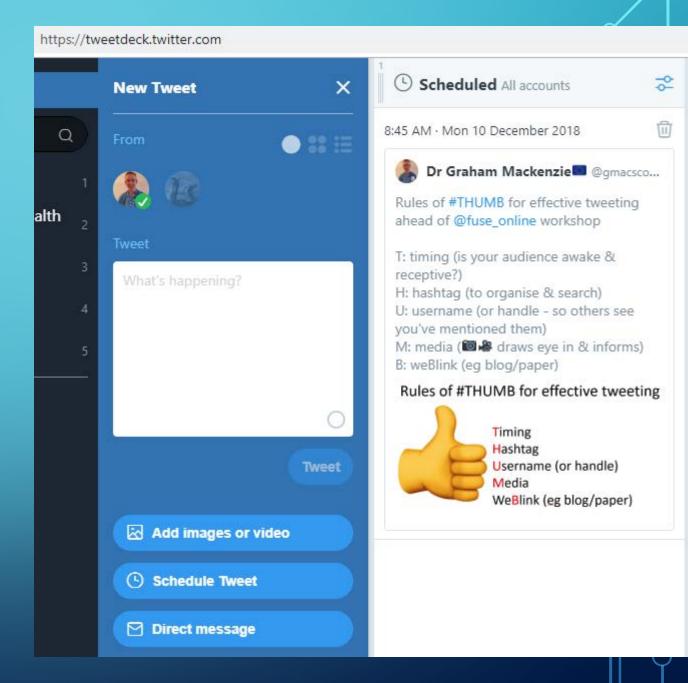
Hashtag

Username (or handle)

Media

WeBlink (eg blog/paper)

# SCHEDULING TWEETS (TIME)





## HOW TWEETS ARE DISPLAYED

## #eph2018

Top Latest People Photos Videos News Broadcasts



Follow



BrightldeasInHealth @BI... ×

Follow

& Find people you know



Hanna Tolonen @tolonen\_hanna · Nov 30

Albert Kwan from Canada explained that they have health inequality monitoring system w 70+ indicators. Online data tool to share data and key indicator report to promote results. infobase.phac-aspc.gc.ca/health-inequal.... @PHMRsection @JA\_InfAct #EPH2018 @THLorg

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Salla Lehtoaro @SallaLehtoaro · Nov 30

Good morning from the **#EPH2018** conference! @TarjaHeponiemi @SinervoTimo @Keskimaki @AnuKaihlanen @AnnaMariAalto1 Laura Hietapakka = the @StnCope gang. Ready for a new day \_\_\_\_\_\_



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♡ 12

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ta susie sykes Retweeted



Juha Mikkonen @JMikkonen · Nov 29

Tomo Križna, a Slovenian documentary film-maker, human rights activist, and journalist, gives a strong statement on how the world is ignoring continuing public health crisis in Sudan and other African countries. "Rotting of these people is also about rotting of us." #EPH2018

## United Kingdom trends · Change

Harry Redknapp

36.9K Tweets

### #ImACelebFinal

Harry Redknapp crowned 'King of the Jungle' in I'm A Celeb final

### **Emily**

62.7K Tweets

## #ImACelebrity

10.6K Tweets

## King Harry

2.5K Tweets

## King of the Jungle

19.3K Tweets

### Holly

30.1K Tweets

## Quintero

103K Tweets

## #CopaLibertadores

60.4K Tweets

## #C4Brexit

James Melville, Dr Lauren Gavaghan, and 4 more are Tweeting about this

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## HOW TWEETS ARE **DISPLAYED**

## #eph2018

#C4Brexit

ames Melville, Dr.Lauren Gavaghan, and 4 more

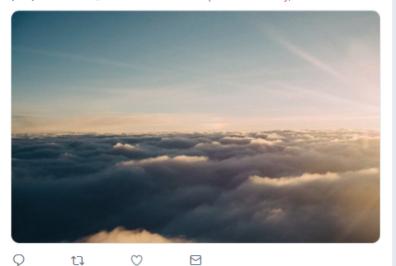




Oxford Medicine @OUPMedicine · Dec 8

**Broadcasts** 

Discover the abstracts of papers presented at the 11th European Public Health (EPH) Conference @EUPHActs #EPH2018 #publichealth bit.ly/2P7BVoI





Depaigne-Loth @depaigne · Dec 8

Les "profils santé" des pays européens @OBShealth : données et enjeux des systèmes de santé de chaque pays européens. Actualisés, documentés, écrits par de très bons experts, un outil indispensable #EPH2018.



Matthias Wismar @matthiaswismar

Country Profiles now available for free at the @OBShealth book stall #EPH2018 pick your country in your language (or in English)

Translate Tweet



Christina DS @Christina\_D\_S · Dec 6

A great experience during #eph2018 - very informative session 9 looking forward to future collab opportunities! #healthcomms

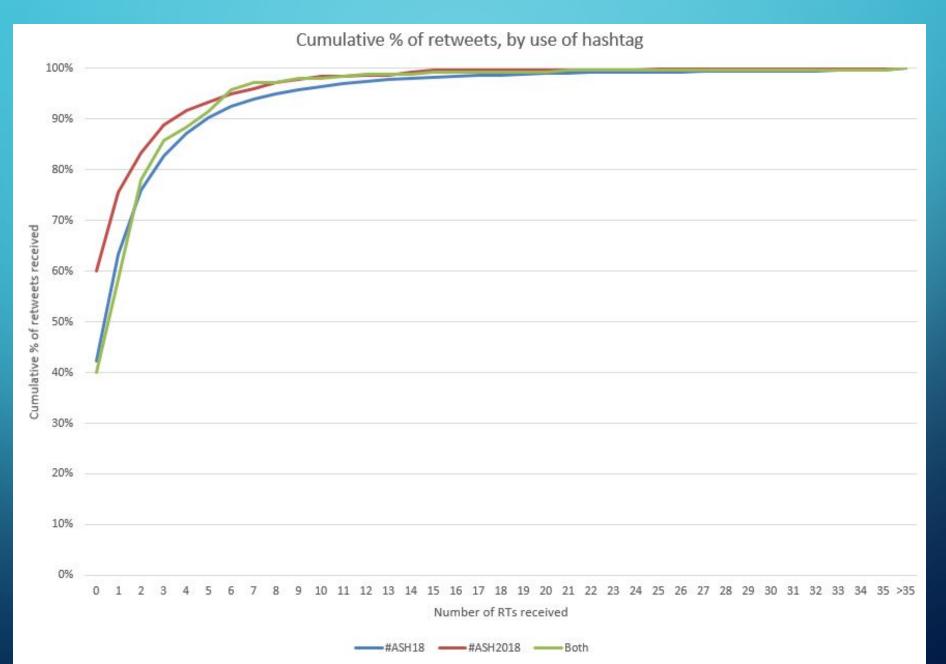
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Duarte Vital Brito @duartevbrito



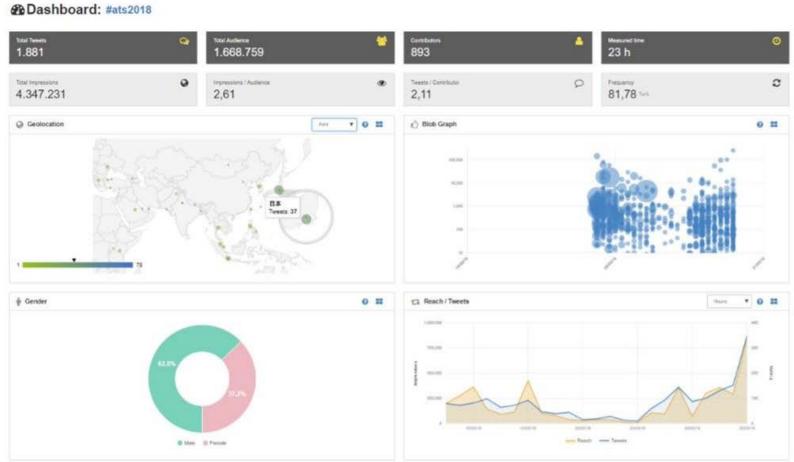
## SOME COMMON PITFALLS: HASHTAG DRIFT



## SOME COMMON PITFALLS: HASHTAG CLASH AMERICAN THORACIC SOCIETY VS ALL THAT SKATE

A quick search for #ATS2018 on Followthehashtag identifies an unexpected spike of activity in Japan







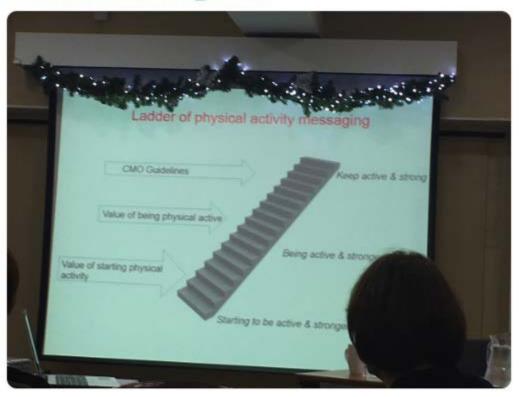
## SOME COMMON PITFALLS



## Peter van der Graaf @pvandergraaf75



@FosteratBristol We need to sell the emotional benefits of physical activity more strongly using clear communication strategies #FusePAW @fuse\_online



10:41 AM - 6 Dec 2018

1 Retweet 1 Like













# MEDIA AND/OR WEBLINK?

## PURPOSE OF TWEETING?

- Conference
- Campaign
- Other event
- Dissemination of paper/ other information
- Personal CPD
- Others?

## GMC Guidance

## **Anonymity**

- 17 If you identify yourself as a doctor in publicly accessible social media, you should also identify yourself by name. Any material written by authors who represent themselves as doctors is likely to be taken on trust and may reasonably be taken to represent the views of the profession more widely.<sup>10</sup>
- 18 You should also be aware that content uploaded anonymously can, in many cases, be traced back to its point of origin.<sup>11</sup>

## **Conflicts of interest**

19 When you post material online, you should be open about any conflict of interest and declare any financial or commercial interests in healthcare organisations or pharmaceutical and biomedical companies.<sup>12</sup>

## TWITTER SEARCH — IS NOT FUZZY



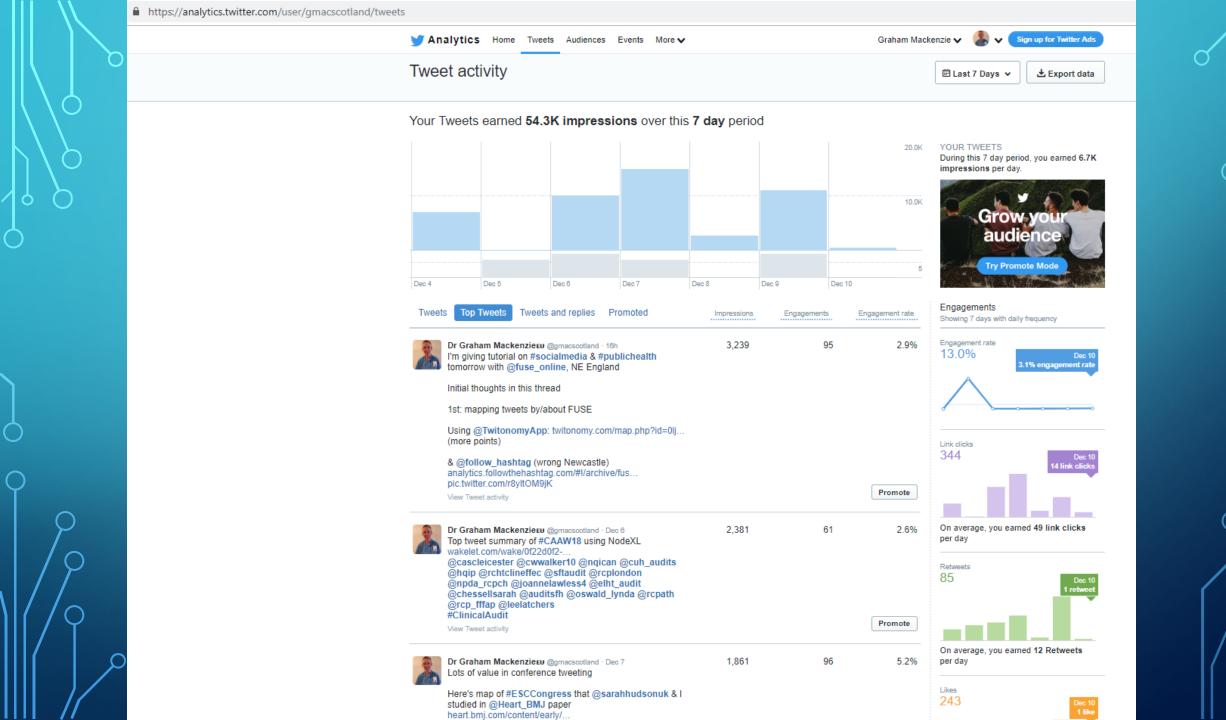
## SOME FURTHER READING ON THE BASICS

#ScotPublicHealth and quality of tweeting in 2016:
 https://academic.oup.com/jpubhealth/article-abstract/40/2/e189/3862396

Mitchell & al (2017): https://www.cambridge.org/core/journals/infection-control-and-hospital-epidemiology/article/what-makes-a-tweet-fly-analysis-of-twitter-messaging-at-four-infection-control-conferences/6271FF1364299491465BED91FB30BF56

# QUESTIONS? (WHAT'S HASHTAG FOR TODAY?)

# 2. PERSONAL ANALYTICS



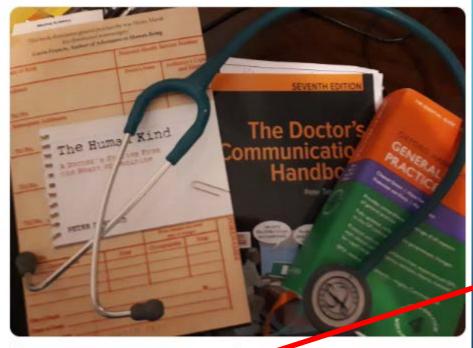


Dr Graham Mackenzie @gmacscotland · Oct 2

I'm delighted to have been accepted onto the UK General Practice (GP) training programme, Feb 2019, after a fascinating 17 years in #PublicHealth

There'll be plenty of opportunities for #QualityImprovement work and addressing social determinants of health #SDoH





## Tweet Activity



## Dr Graham Mackenzieeu

@gmacscotland

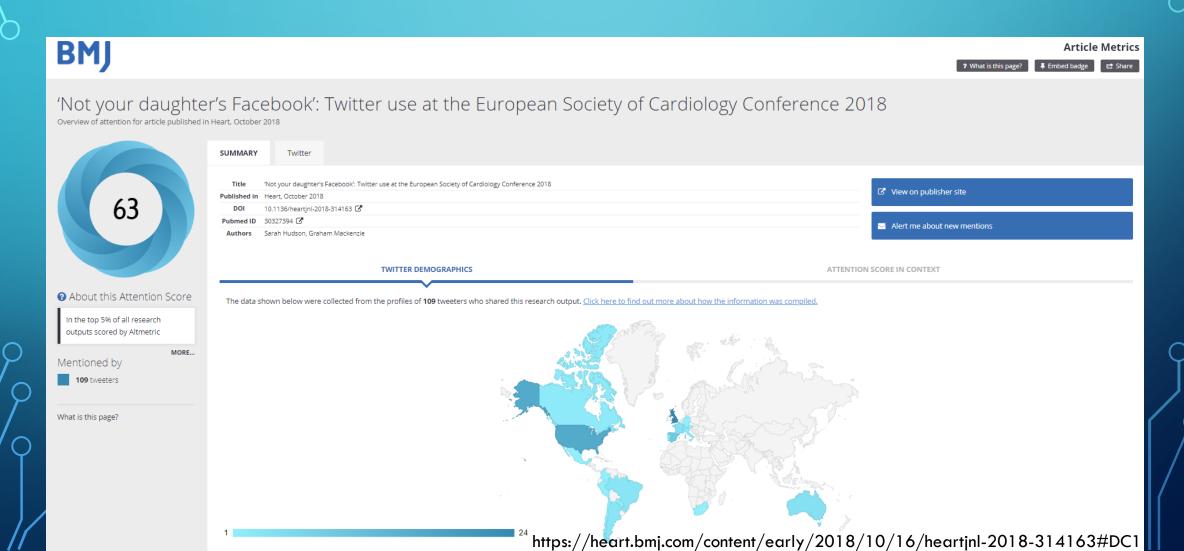
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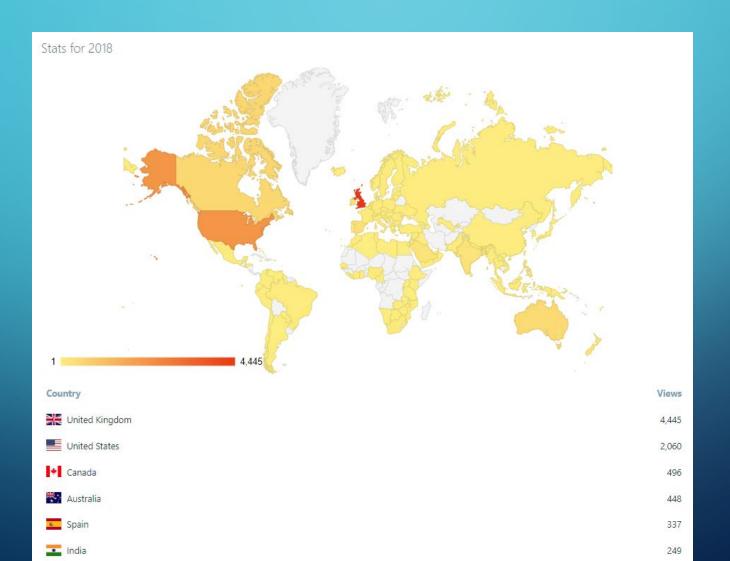
♦ pic.twitter.com/n7GzAETntD

Impressions	62,949
Total engagements	4,272
Profile clicks	2,139
Media engagements	1,195
Likes	504
Detail expands	268
Replies	77
Retweets	41
Hashtag clicks	30
Link clicks	18

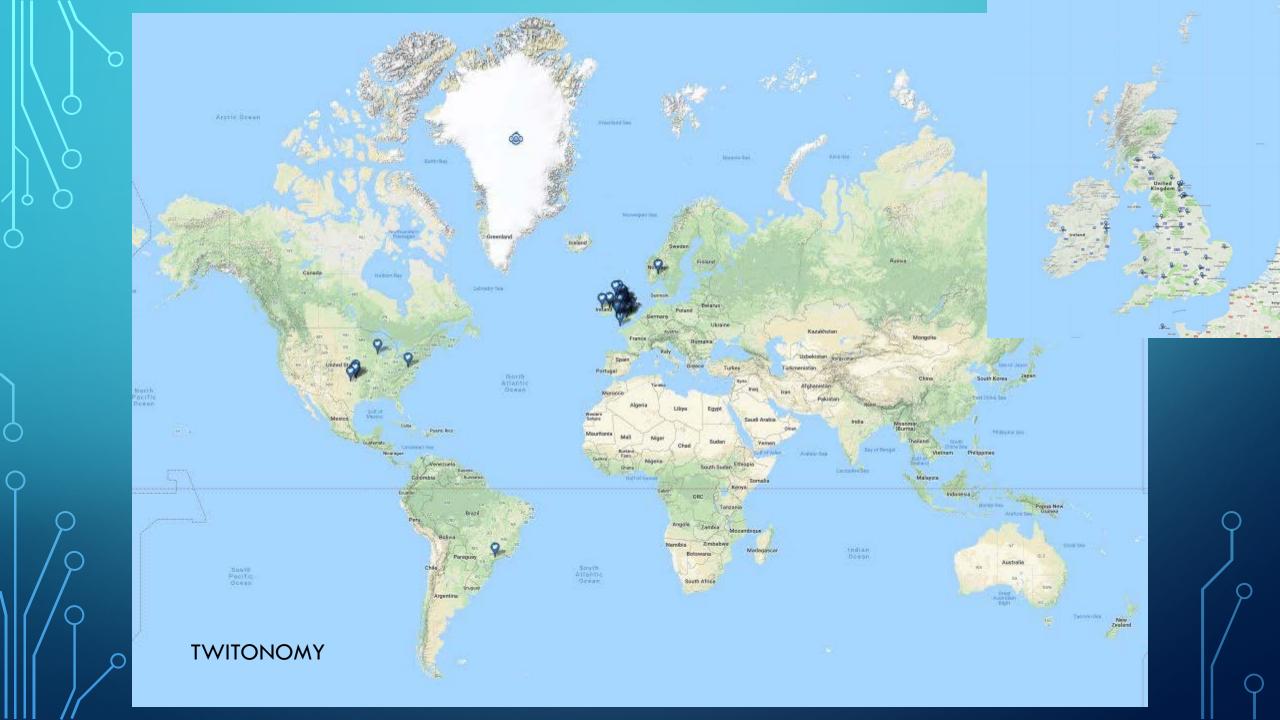
## **ALTMETRICS**



## BLOG STATS



3. STUDYING WIDER TWEETING

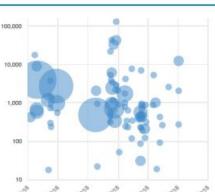


ScotPublicHealth via @gmacscotland

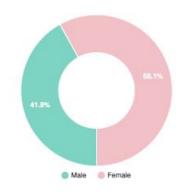
## @Fuse\_Online



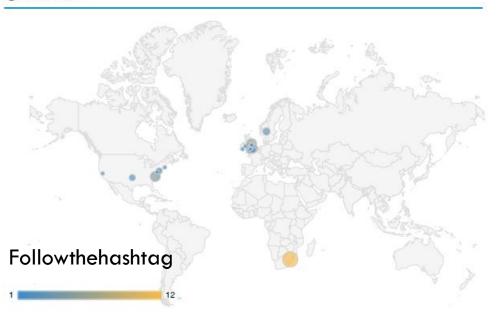








**Geolocation** 



## ScotPublicHealth via @gmacscotland

## @Fuse\_Online

@fuse\_online





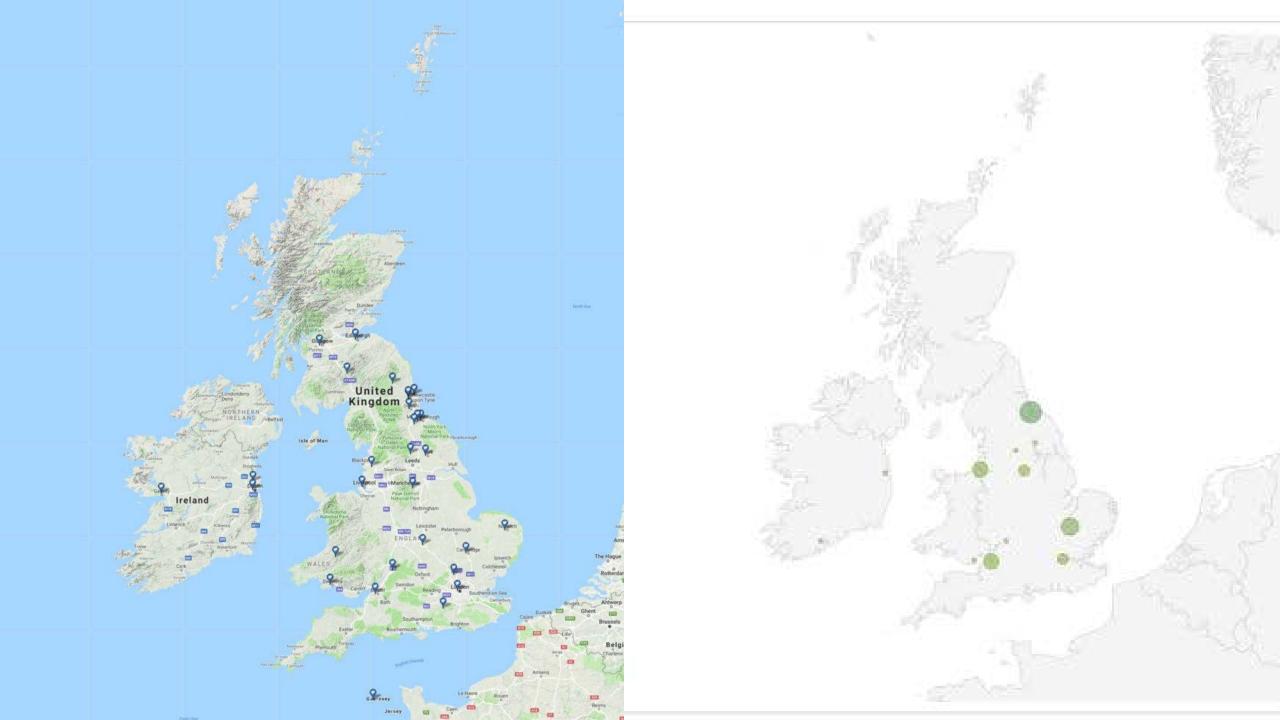
## Ton 10 Tweets by RT's

@BDA\_Dietitians @fuse\_online

Overview | ScotPublicHealth via @gmacscotland | @Fuse\_Online

OF.	Dr Amelia A Lake	2018-12-04 09:40:1
4	Our @fuse_online review of the evidence demonstrates that the use of #energydrinks by #children and #youngpeople is associated with a	Favorites: 1
	number of adverse outcomes and health-damaging behaviours  @ShelinaVisram @TeessideUni @NdUni.IHS @Childrensfood	
-	Angeliki Papadaki @AngelikPapadaki	2018-12-04 10:16:5
	Our new policy briefing shows how vending machines contribute to	17 8
	an environment where #obesogenic foods are readily available & how this can be improved to tackle #obesity @sugarsmartuk @EfoodRev@DECIPHerCentre @duse, online @CedatUK	Favorites:
No.	Elleen Kaner	2018-12-06 11:06:4
9)	@ElleenKaner  Hot off the press- our new review of evidence on how to prevent	t3 7
	gambling-related problems. So great to work with @ProfBambra and colleagues across Gillact Equity and @fuse_online Effects of - prevention and harm reduction interventions on earnbline beh.	Favorites: 1
n	ToothFairyBlog.org @toothfairyblog	2018-12-05 09:13:0
7	@normanlamb @kaja_li @Lakenutrition @Childrensfood	17 6
••	@MattHancock @sarahwellsston @lucianaberger @DDA_Dietitians @UKSustain @sugarsmartuk @BrineMinister @FoodRev _@ShellnaViscam @fuse_nelline @RDAAndv@urman_	Favorites: 1
120	Public Health jobs @pubhealth jobsuk	2018-11-29 12:40:2
+1)	Associate Professor in Sport and Exercise Sciences Durham	13 E
	University £51,630 to £58,089 Closes 02/01 RT @fuse_online https://t.co/mrqGT0irbW	Favorites:
	Shelina Visram	2018-12-05 15:29:5
4	@ShelinaVisram @normanlamb@toothfairyblog@kaja_Ji@Lakenutrition	17
AL.	@Childrensfood @MattHancock @sarahwollaston @lucianaberger @BDA_Dietitians @UKSustain @sugarsmartuk @BrineMinister @GodRew @Botes.acidine @BDAAnde/Burnen @AmandifiesCarde 1.	Favorites:
*	@HEconEvSynNCL	2018-11-30 10:04:2
w	NEW BLOG: Heather Brown and @shelly_addison discuss the launch	17
***	of the @The_NHSA 'Health for Wealth' report_led by @ProfBambra & @dukester24: https://t.co/MZx71DKRTE@UniofNewcastle @NkILini_HS@fuse_online_8THSArmont_#fusebline	Favorites:
-	Dr Amelia A Lake @Lakenutrition	2018=12=03 11:03:0
	Very excited to be @TheCrick for the @Ludwig_Cancer	17 4
150	@CRUKresearch #CancerPreventionDlet #conference [m speaking tomorrow on #foodenvironments @fuse_online #cancerprevention #ToessideUni : #TU SSED : ## STOP : ## ST	Favorites: 1
	Teesside Uni news @TeesUninews	2018-12-04 12:17:1
U	Government urged to stay on course with energy drinks ban as	17 4
	report published today by @CommonsSTC = https://c.o/UmtxS3XBb3 @Lakenutrition @UniofNewcastle @fuse colline	Favorites:
	Newcastle University	2018-12-05 15:08:3
4	@UniofNewcastle Government urged to stay on course with energy drinks ban	17 3
	https://t.co/k9dvvhReFa@CommonsSTC@ShellinaVisram @BDA Dietitians@fuse.online	Favorites:

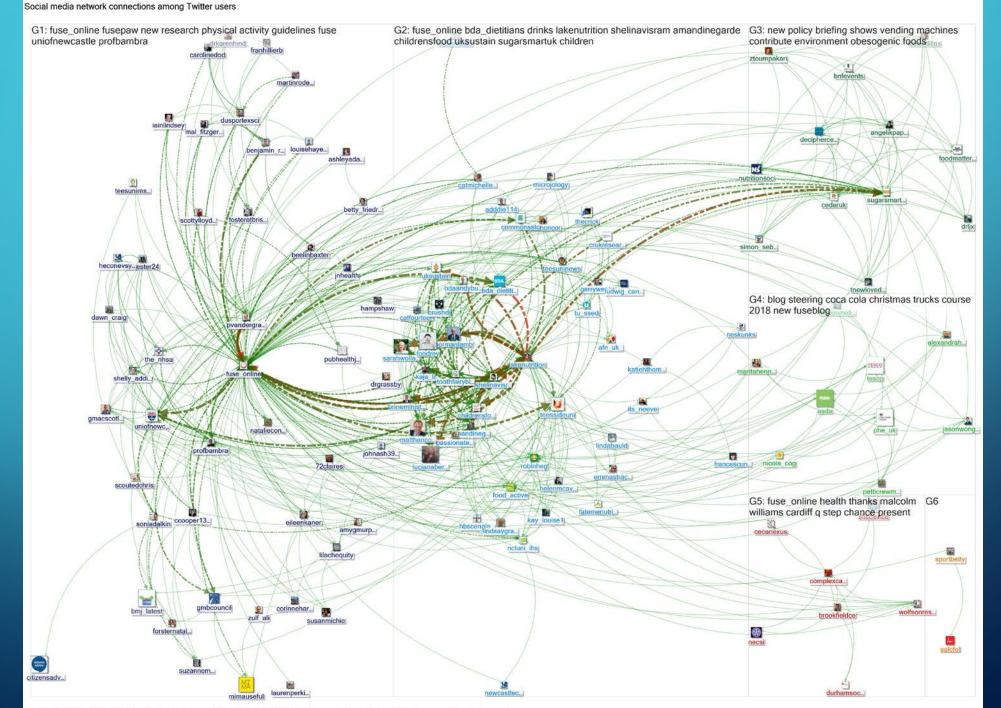
Favorites: 8

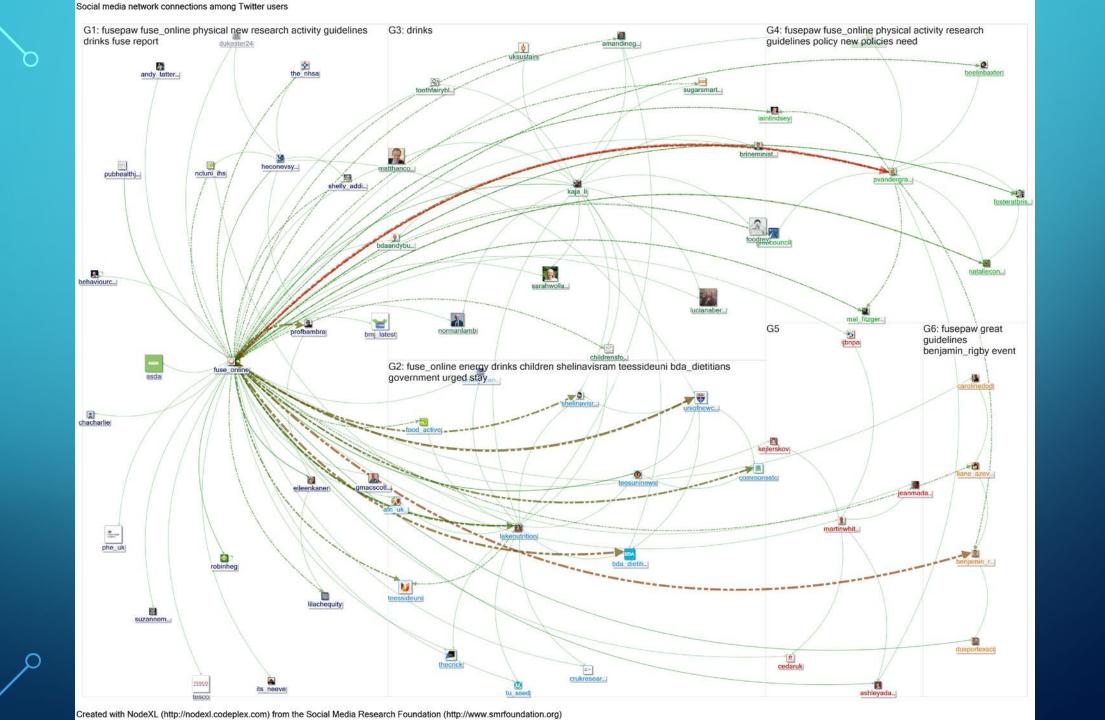


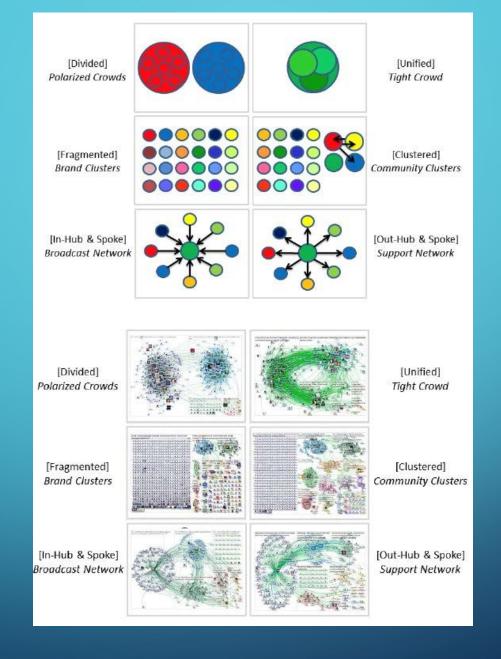
## PITFALLS OF SOCIAL MEDIA ANALYSIS

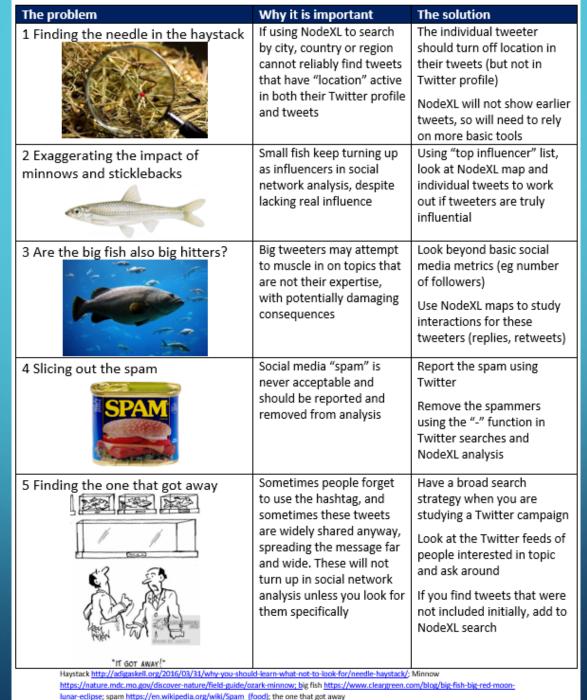
- Tweets = tweets + retweets
- Tweeters = tweeters + retweeters
- "Impressions" (number of potential views of a tweet) are often wildly exaggerated

4. SOCIAL NETWORK ANALYSIS



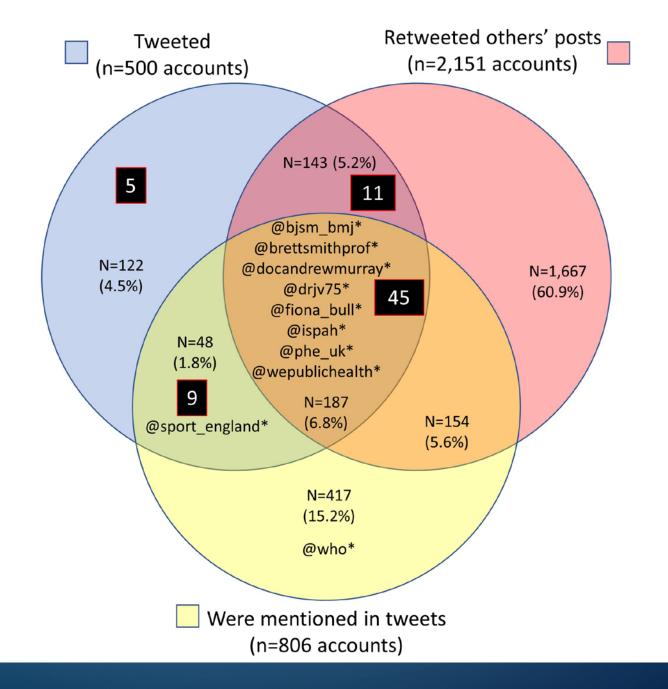






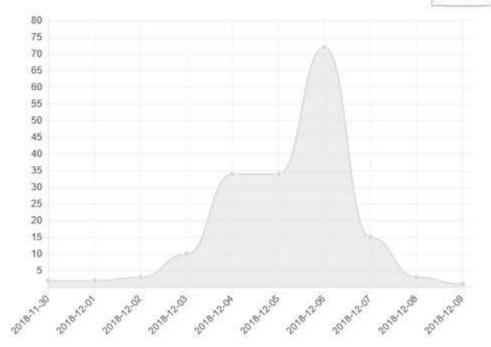
https://www.cartoonstock.com/directory/o/one that got away.asp

Number of tweeters in this group identified for summary of 130 most retweeted tweets (n=70)

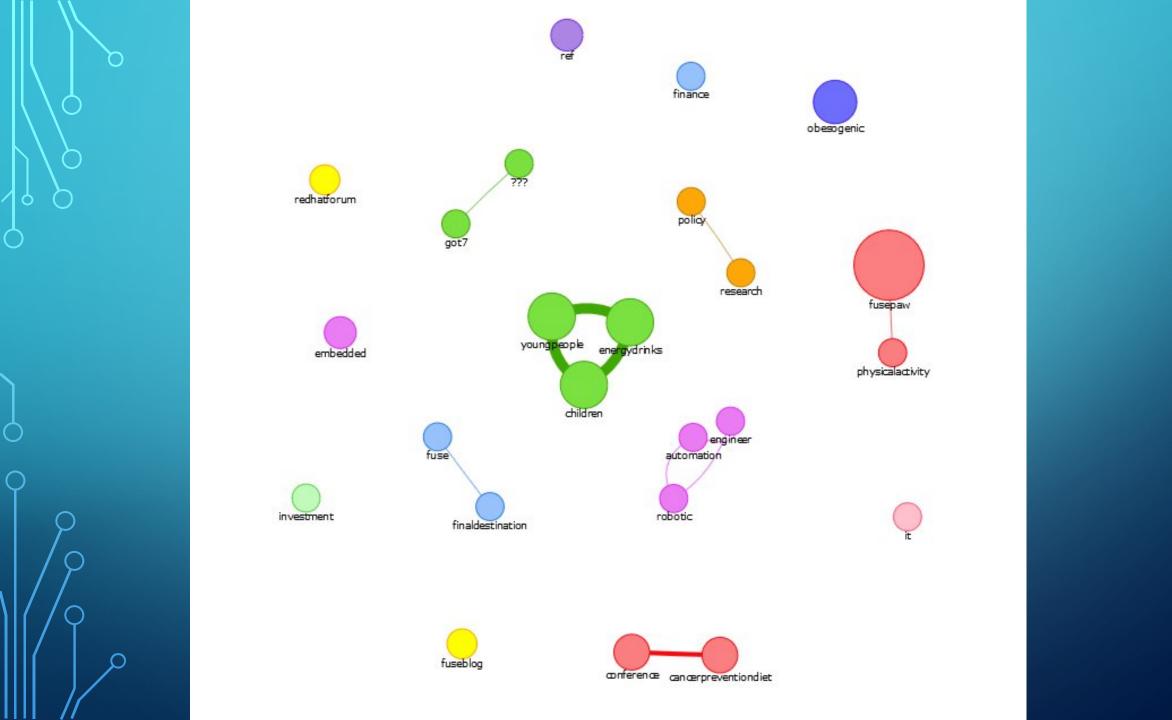


<sup>\* =</sup> top 10 by NodeXL estimate of "betweenness centrality" % = % of total participants





Top hashtags (frequency)		
#fusepaw	23	
#energydrinks	11	
#children	11	
#youngpeople	11	
#obesogenic	9	
#cancerpreventiondiet	5	
#conference	5	
#embedded	3	
#ref	3	
#fuseblog	2	



## FURTHER READING ON SOCIAL NETWORK ANALYSIS

ScotPublicHealth blog: <a href="https://www.scotpublichealth.com">www.scotpublichealth.com</a>

ESSO38 paper: <a href="https://www.ejso.com/article/S0748-7983(18)32018-3/fulltext">https://www.ejso.com/article/S0748-7983(18)32018-3/fulltext</a>

## CONCLUSIONS

Rules of #THUMB for effective tweeting



- Be clear about your purpose in tweeting
- Try to be positive
- Treat it as any broadcast (ie with caution)
- Consider options for measuring impact
- Decided on hashtag yet?
- What would NodeXL map look like if we just used @Fuse\_online in search?

