

# PA Vaccine Conversations on Twitter

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Vaccine Hesitancy Project Update based on February 11, 2022 – February 17, 2022

The CMU centers for:

Informed DEMocracy And Social cyber-security

Computational Analysis of Social and Organizational Systems



Carnegie Mellon University



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1

## PA Vaccine Conversations Project

- ❑ This report is an effort to summarize social media conversations around COVID-19 issues in Pennsylvania, with a focus on vaccination. It contains an analysis of the general topics related to COVID-19 vaccination. This includes discussions related to COVID-19 regulations, mandates, masks, pro-and anti-vaccination campaigns, science messages, misinformation, disinformation, conspiracy theories, and vaccine hesitancy messages.
- ❑ Anti-Vax messaging includes vaccine hesitancy messages, opinions, questions, policy health and science related information, misinformation, disinformation, and conspiracy theories.

4/3/2022



2

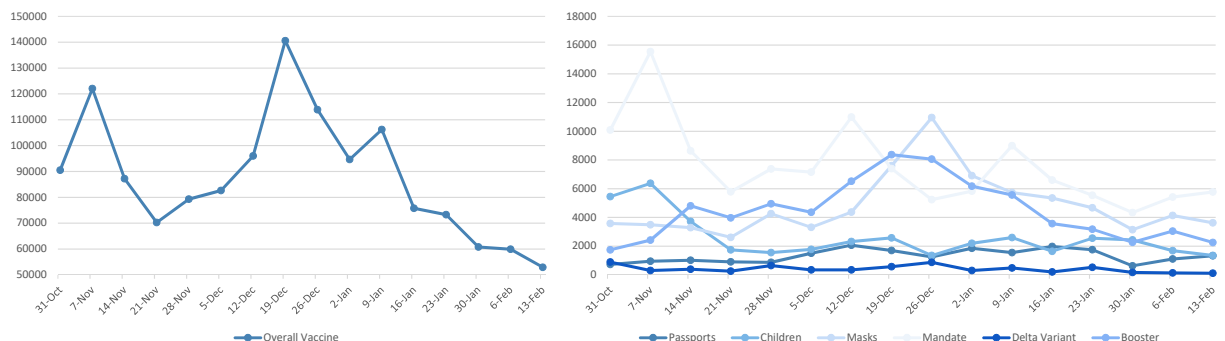
## Report Overview February 11 – February 17

- ❑ This week's trending stories cover Passports, Mandates, Masks, Boosters;
- ❑ Trending stories: <https://twitter.com/radiofreetom/status/1492676509093531651> Notice that @mehdirhasan criticizes this position but does not then answer whether he would support taking truly dire emergency steps; <https://www.rollingstone.com/culture/culture-news/anti-vax-trucker-convoy-porno-metal-ram-ranch-1297926/> A Porno-Metal Song About Gay Cowboys Is Disrupting the Anti-Vax Trucker Convoy; <https://www.npr.org/sections/health-shots/2022/02/16/1074191656/this-16-year-old-wanted-to-get-the-covid-vaccine-he-had-to-hide-it-from-his-pare> This 16-year-old wanted to get the COVID vaccine. He had to hide it from his parents; <https://cline.house.gov/media/press-releases/rep-cline-introduces-bill-protect-americans-discrimination-organ-transplant> Rep. Cline Introduces Bill to Protect Americans from Discrimination by Organ Transplant Centers;
- ❑ Anti-vax, misinformation, and vaccine hesitancy stories: <https://dailyexpose.uk/2022/02/11/triple-vax-deaths-increase-by-495-percent-pandemic-fully-vaccinated/> Deaths among Triple Vaccinated increased by 495% in January with the Vaccinated accounting for 4 in every 5 Covid-19 Cases, Hospitalisations & Deaths since December; [https://www.instagram.com/reel/CZuvXtchS2b/?utm\\_medium=share\\_sheet](https://www.instagram.com/reel/CZuvXtchS2b/?utm_medium=share_sheet) A comedian fainted on stage and fractured my skull in front of a sold out show after vaccine; [https://alexberenson.substack.com/p/the-mrna-covid-shots-are-killing?r=8kzhp&utm\\_campaign=post&utm\\_medium=web](https://alexberenson.substack.com/p/the-mrna-covid-shots-are-killing?r=8kzhp&utm_campaign=post&utm_medium=web) The mRNA Covid shots are killing teenagers; <https://rumble.com/embed/vhm2z6/?pub=19521> Dr Michael Yeadon: A FINAL WARNING TO HUMANITY; <https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biontech-gets-paid-vaccine-sales-fda-approvals/> University That Funds Biden's Think Tank And Hosts FactCheck.Org Has Contract With BioNTech, Gets Paid For Vaccine Sales And FDA Approvals; <https://alignact.com/go/defund-bidens-vaccine-mandates> Defund Biden's Vaccine Mandates; <https://rairfoundation.com/israels-most-prestigious-hospital-70-to-80-of-serious-covid-cases-are-fully-vaccinated/> Israel's Most Prestigious Hospital: '70% to 80% of Serious Covid Cases are Fully Vaccinated'

4/3/2022



## Trends (tweets per week) February 11 – February 17



4/3/2022



## High Level View by City February 11 – February 17

	Total PA	Philadelphia		Pittsburgh		Erie		Allentown/Bethlehem		Other	
Conversation	Tweets	Tweets	%	Tweets	%	Tweets	%	Tweets	%	Tweets	%
Overall Vaccine	44617	24092	54.0%	11276	25.3%	482	1.1%	6757	15.1%	2010	4.5%
Vaccine Passports	1332	648	2.7%	301	2.7%	23	4.8%	312	4.6%	48	2.4%
FDA Approval	397	226	0.9%	83	0.7%	4	0.8%	77	1.1%	7	0.3%
Boosters	1670	799	3.3%	619	5.5%	13	2.7%	188	2.8%	51	2.5%
Employees	283	124	0.5%	78	0.7%	2	0.4%	59	0.9%	20	1.0%
"Experimental"	166	86	0.4%	41	0.4%	2	0.4%	31	0.5%	6	0.3%
Children	904	485	2.0%	235	2.1%	9	1.9%	139	2.1%	36	1.8%
Myocarditis	303	187	0.8%	46	0.4%			61	0.9%	9	0.4%
Heart	536	300	1.2%	107	0.9%	2	0.4%	107	1.6%	20	1.0%
Masks	3592	1803	7.5%	930	8.2%	51	10.6%	540	8.0%	268	13.3%
Thrombosis/VITT	49	20	0.1%	15	0.1%	1	0.2%	11	0.2%	2	0.1%
Mandates	5454	3137	13.0%	972	8.6%	81	16.8%	996	14.7%	268	13.3%
Natural Immunity	457	270	1.1%	74	0.7%	5	1.0%	92	1.4%	16	0.8%
Efficacy	169	78	0.3%	34	0.3%	2	0.4%	49	0.7%	6	0.3%
Omicron	446	225	0.9%	106	0.9%	9	1.9%	62	0.9%	44	2.2%
Delta Variant	112	52	0.2%	19	0.2%	4	0.8%	12	0.2%	25	1.2%
Race	1167	683	2.8%	266	2.4%	9	1.9%	152	2.2%	57	2.8%
Ivermectin	138	43	0.2%	65	0.6%	3	0.6%	25	0.4%	2	0.1%
Military	140	93	0.4%	30	0.3%	2	0.4%	15	0.2%		
Breakthrough	53	29	0.1%	15	0.1%	1	0.2%	6	0.1%	2	0.1%

4/3/2022

- Trending conversations this week:
  - Passports
  - Boosters



## High Level View by County February 11 – February 17

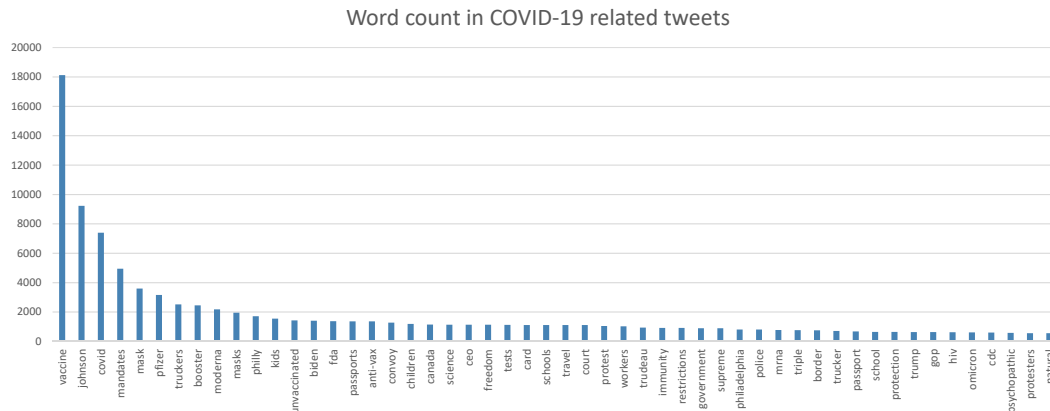
County	Allegheny	Beaver	Butler	Cambria	Fayette	Indiana	Somerset	Westmoreland
Overall Vaccine	11567	25	34	8	22	25	6	55
Vaccine Passports	303		3		1	1		1
FDA	83							
Boosters	629			1		2		
Employees	81					1		1
"Experimental"	42							
Children	242		3			1		1
Myocarditis	48							
Heart	108							1
Masks	969	5	1	2	1	5	1	16
Thrombosis/VITT	15							
Mandates	1002	4	4		3	3	1	11
Natural Immunity	76							
Efficacy	35							
Omicron	110							
Delta Variant	31							
Race	276		1		2	1		
Ivermectin	65					1		
Military	30							
Breakthrough	15			1				

4/3/2022

- Race: pulled by one of the vaccine keywords plus at least one other term in ("Black", "African American", "of color", "Latin", "Hispanic", "brown", "eugenic")



## Top Words Used per Week February 11 – February 17



4/3/2022



## Top Hashtags by County February 11 – February 17

❑ We've checked hashtags in several counties such as Allegheny, Beaver, Butler, Cambria, Fayette, Indiana, Somerset, and West Moreland. After removing hashtags that were part of our search criteria, the top 5 hashtags for each county related to COVID19/vaccines are as follows\*:

Allegheny	Beaver + Butler	Cambria	Fayette	Indiana	West Moreland
covid19 (396)	covid19 (1)	steelers (1)	canadiantruckers (1)	covid (1)	supportthetruckers (1)
steelers (233)	happeningnow (1)	weare (1)	covidiot (1)	hydroxychloroquine (1)	noprotection (1)
blackhistorymonth (75)	steelers (1)		freedomconvoycanada2022 (1)	ivermectin (1)	pneumonia (1)
nfl (55)	tourismcounts (1)		freshwords (1)	protest (1)	endthemandates (1)
vaccine (52)	wvu (1)		truckersforfreedomconvoy2022 (1)	truckers (1)	exposepflizer (1)

4/3/2022



## Top Hashtags by City February 11 – February 17

- ❑ After removing hashtags that were part of our search criteria, the top 5 hashtags for each region related to COVID19/vaccines are as follows:

Philadelphia	Chester	Norristown	Pittsburgh	Erie	Allentown/ Bethlehem	Other
covid19 (306)	covid19 (37)	covid19 (94)	covid19 (389)	covid19 (7)	defundvaxmandates (108)	covid19 (35)
freedomconvoy (112)	jesus (21)	freedomconvoy (33)	steelers (221)	demvoice1 (6)	covid19 (92)	vaccine (28)
nba (109)	msm (21)	vaccine (31)	blackhistorymonth (71)	steelers (4)	covidvaccine (73)	steelers (26)
nfl (108)	vaxxed (21)	covaxin (29)	nfl (53)	covidots (2)	hiv (61)	pfizer (16)
vaxupphilly (104)	hiv (20)	tyranny (23)	vaccine (52)	freedomconvoycanada2022 (2)	vaccine (34)	fauci (15)

4/3/2022



## Top URLs by County February 11 – February 17

Allegheny	Butler + Beaver	Cambria	Indiana	Fayette	West Moreland
<a href="https://twitter.com/radiofreedom/status/1492676509093531651">https://twitter.com/radiofreedom/status/1492676509093531651</a> Notice that @mehdirhasan criticizes this position but does not then answer whether he would support taking truly dire emergency steps. (597)	<a href="https://wildlife.org/cool-caves-help-bats-survive-white-nose-syndrome/">https://wildlife.org/cool-caves-help-bats-survive-white-nose-syndrome/</a> Cool caves help bats survive white-nose syndrome (2)	<a href="https://nbcnews.to/3ImGkIX">https://nbcnews.to/3ImGkIX</a> Pfizer postpones FDA request for Covid vaccine for kids under 5 (1)	<a href="https://rairfoundation.com/israels-most-prestigious-hospital-70-to-80-of-serious-covid-cases-are-fully-vaccinated-video/">https://rairfoundation.com/israels-most-prestigious-hospital-70-to-80-of-serious-covid-cases-are-fully-vaccinated-video/</a> Israel's Most Prestigious Hospital: '70% to 80% of Serious Covid Cases are Fully Vaccinated' (3)	<a href="https://apnews.com/article/coronavirus-pandemic-business-health-detroit-canada-20f273b32bfa8ef695fdbacc7e11321e">https://apnews.com/article/coronavirus-pandemic-business-health-detroit-canada-20f273b32bfa8ef695fdbacc7e11321e</a> US urges Canada to use federal powers to end bridge blockade (1)	<a href="https://pittsburgh.cbslocal.com/2022/02/11/pitt-terminating-employees-for-not-complying-with-vaccine-mandate/">https://pittsburgh.cbslocal.com/2022/02/11/pitt-terminating-employees-for-not-complying-with-vaccine-mandate/</a> University Of Pittsburgh Terminating 9 Employees For Not Complying With Coronavirus Vaccine Mandate (3)
<a href="https://twitter.com/evhoogie/status/1491773657538084870">https://twitter.com/evhoogie/status/1491773657538084870</a> Kanye West dropped The College Dropout eighteen years ago today. (78)	<a href="https://www.nytimes.com/live/2022/02/11/world/covid-19-tests-cases-vaccine/fda-delays-action-on-coronavirus-vaccine-for-young-children?referringSource=articleShare">https://www.nytimes.com/live/2022/02/11/world/covid-19-tests-cases-vaccine/fda-delays-action-on-coronavirus-vaccine-for-young-children?referringSource=articleShare</a> The F.D.A. delays action on Covid shots for young children. (2)	<a href="https://twitter.com/steventdennis/status/1491985200280186893">https://twitter.com/steventdennis/status/1491985200280186893</a> STUNNING charts showing unnecessary hospitalizations, death, heartache: The yawning gap between vaccinated New Yorkers and unvaccinated during the Omicron wave (1)	<a href="https://citizengo.org/en-us/ot/206312-stop-vaccine-mandates?utm_source=tw&amp;utm_medium=social&amp;utm_campaign=EN_US-2022-02-11-Global-OT-GME-206312-COVID-AA-COVID-AA-01-AA_launch&amp;utm_content=yflow">https://citizengo.org/en-us/ot/206312-stop-vaccine-mandates?utm_source=tw&amp;utm_medium=social&amp;utm_campaign=EN_US-2022-02-11-Global-OT-GME-206312-COVID-AA-COVID-AA-01-AA_launch&amp;utm_content=yflow</a> Stop the Vaccine Mandates (1)	<a href="https://hannity.com/media-room/jordan-dunks-on-biden-will-you-have-to-show-your-vaccine-passport-to-get-your-crack-pipe/">https://hannity.com/media-room/jordan-dunks-on-biden-will-you-have-to-show-your-vaccine-passport-to-get-your-crack-pipe/</a> JORDAN DUNKS ON BIDEN: 'Will You Have to Show Your Vaccine Passport to Get Your Crack Pipe?' (1)	<a href="https://redcircle.com/shows/in-liberty-and-health">https://redcircle.com/shows/in-liberty-and-health</a> In Liberty and Health (2)
<a href="https://www3.weforum.org/docs/WEF_Advancing_towards_Digital_Agency_2022.pdf">https://www3.weforum.org/docs/WEF_Advancing_towards_Digital_Agency_2022.pdf</a> Advancing Digital Agency: The Power of Data Intermediaries (48)	<a href="http://FightVaccinePassports.com">http://FightVaccinePassports.com</a> Fight Vaccine Passports (1)		<a href="https://nypost.com/2022/02/14/over-1400-nyc-workers-fired-for-refusing-covid-vaccine/">https://nypost.com/2022/02/14/over-1400-nyc-workers-fired-for-refusing-covid-vaccine/</a> Mayor Adams fires 1,430 NYC workers for refusing to get COVID vaccine (1)	<a href="https://people.com/music/coachella-stagecoach-remove-all-covid-19-precautions-wont-require-masks-vaccine-proof/">https://people.com/music/coachella-stagecoach-remove-all-covid-19-precautions-wont-require-masks-vaccine-proof/</a> Coachella and Stagecoach Remove All COVID-19 Precautions, Won't Require Proof of Vaccine or Masks (1)	<a href="https://yousta.be/o0r3Yi090E">https://yousta.be/o0r3Yi090E</a> Shane was a former employee of Allegheny County, Pennsylvania until the Vaccine mandate was implemented. Shane took a courageous stance against the mandate and lost his job. (2)
<a href="http://sangredecristosentinel.com/2022/01/11/good-news-weve-now-learned-covid-is-both-preventable-treatable/">http://sangredecristosentinel.com/2022/01/11/good-news-weve-now-learned-covid-is-both-preventable-treatable/</a> GOOD NEWS: WE'VE NOW LEARNED COVID IS BOTH PREVENTABLE & TREATABLE (42)	<a href="https://triblive.com/local/westmoreland/pitt-is-firing-9-staffers-for-failing-to-comply-with-covid-vaccine-mandate/">https://triblive.com/local/westmoreland/pitt-is-firing-9-staffers-for-failing-to-comply-with-covid-vaccine-mandate/</a> Pitt is firing 9 staffers for failing to comply with covid vaccine mandate (1)		<a href="https://popular.info/n/how-gop-attorneys-general-joined">https://popular.info/n/how-gop-attorneys-general-joined</a> How GOP Attorneys General joined forces with RFK Jr. to spread vaccine misinformation (1)	<a href="http://PEOPLE.com">http://PEOPLE.com</a> (1)	<a href="https://fortune.com/2022/02/15/canada-freedom-convoy-protesters-block-2-more-bridges-to-us-justin-trudeau-new-emergencies-act-powers/">https://fortune.com/2022/02/15/canada-freedom-convoy-protesters-block-2-more-bridges-to-us-justin-trudeau-new-emergencies-act-powers/</a> Canada's 'Freedom Convoy' protesters block 2 more bridges to the U.S. in defiance of Trudeau's new Emergencies Act powers (1)
<a href="https://www.rollingstone.com/culture/culture-news/anti-vax-trucker-convoy-porno-metal-ranch-1297926/">https://www.rollingstone.com/culture/culture-news/anti-vax-trucker-convoy-porno-metal-ranch-1297926/</a> A Porno-Metal Song About Gay Cowboys Is Disrupting the Anti-Vax Trucker Convoy (42)	<a href="https://wapo.st/3lgTddI">https://wapo.st/3lgTddI</a> U.S.-Canada border crossing reopens after six-day blockade by 'Freedom Convoy' protesters (1)		<a href="https://www.rawstory.com/ron-johnson-2656636571/">https://www.rawstory.com/ron-johnson-2656636571/</a> LISTEN: GOP's Ron Johnson complains that he's 'only' doubled his net worth since taking office (1)		<a href="https://local12.com/news/nation-world/woman-brings-awareness-of-covid-19-vaccine-side-effects/">https://local12.com/news/nation-world/woman-brings-awareness-of-covid-19-vaccine-side-effects/</a> Woman brings awareness of COVID-19 vaccine side effects (1)

4/3/2022

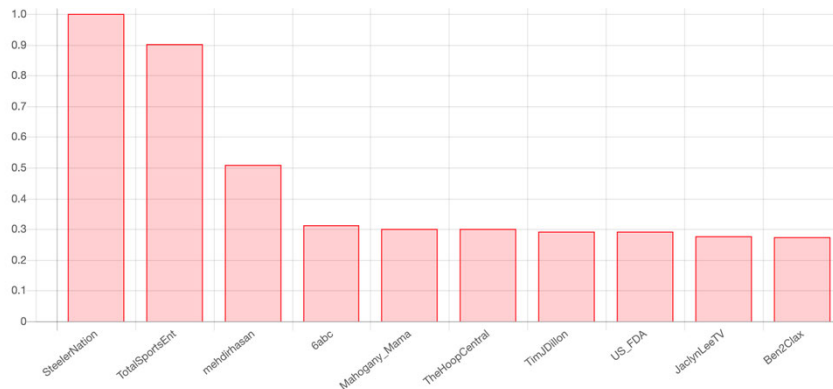


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<a href="https://www.npr.org/sections/health-shots/2022/02/16/1074191656/this-16-year-old-wanted-to-get-the-covid-vaccine-he-had-to-hide-it-from-his-parent">https://www.npr.org/sections/health-shots/2022/02/16/1074191656/this-16-year-old-wanted-to-get-the-covid-vaccine-he-had-to-hide-it-from-his-parent</a> This 16-year-old wanted to get the COVID vaccine. He had to hide it from his parents (197)	<a href="https://twitter.com/BayArmat/status/1493241759563980802">https://twitter.com/BayArmat/status/1493241759563980802</a> Comedian experiences syncope & fractures skull while bragging about being triple-#vaxxed & mocking religious vax. skeptics: "Jesus Loves me the Most!" (9)	<a href="http://FactCheck.Org">http://FactCheck.Org</a> (27)	<a href="https://twitter.com/evboogie/status/1491773657538084870">https://twitter.com/evboogie/status/1491773657538084870</a> Kanye West dropped The College Dropout eighteen years ago today. (78)	<a href="http://nhu.org/popup">http://nhu.org/popup</a> Book your COVID-19 vaccination (2)	<a href="https://twitter.com/radiofreedom/status/1492676509093531651">https://twitter.com/radiofreedom/status/1492676509093531651</a> Notice that @mehdirhasan criticizes this position but does not then answer whether he would support taking truly dire emergency steps. (43)	<a href="https://www.houstonchronicle.com/life/article/Peter-Hotez-COVID-expert-vaccine-questions-answer-15955452.php">https://www.houstonchronicle.com/life/article/Peter-Hotez-COVID-expert-vaccine-questions-answer-15955452.php</a> COVID expert Peter Hotez worried Texas down to its 'last arrow' with vaccine (6)
<a href="https://twitter.com/radiofreedom/status/1492676509093531651">https://twitter.com/radiofreedom/status/1492676509093531651</a> Notice that @mehdirhasan criticizes this position but does not then answer whether he would support taking truly dire emergency steps. (131)	<a href="https://www.frontiersin.org/articles/10.3389/fimmu.2020.02147/full">https://www.frontiersin.org/articles/10.3389/fimmu.2020.02147/full</a> What's Sex Got to Do With COVID-19? Gender-Based Differences in the Host Immune Response to Coronaviruses (8)	<a href="https://rumble.com/embed/vhm2z67/pub-19521">https://rumble.com/embed/vhm2z67/pub-19521</a> Dr Michael Yeason: A FINAL WARNING TO HUMANITY (26)	<a href="http://sangredecristosentinel.com/2020/11/good-news">http://sangredecristosentinel.com/2020/11/good-news</a> GOOD NEWS: WE'VE NOW LEARNED COVID IS BOTH PREVENTABLE & TREATABLE (42)	<a href="https://ftt.tv/jc63K0M">https://ftt.tv/jc63K0M</a> Protesters walk onto highway near Peace Bridge in Fort Erie, Ont., decrying vaccine mandates (2)	<a href="https://twitter.com/SuperNipsy/status/1490850913979826177?s=20">https://twitter.com/SuperNipsy/status/1490850913979826177?s=20</a> &t=WrQnQdrie8nU2vd-TDOOQ BBC admits they use HIV to make the covid vaccine (41)	<a href="http://www.evanhospital.com/virus/">http://www.evanhospital.com/virus/</a> Coronavirus Update (5)
<a href="https://cline.house.gov/media/press-releases/rep-cline-introduces-bill-protect-americans-discrimination-organ-transplant">https://cline.house.gov/media/press-releases/rep-cline-introduces-bill-protect-americans-discrimination-organ-transplant</a> Rep. Cline Introduces Bill to Protect Americans from Discrimination by Organ Transplant Centers (122)	<a href="https://www.rollingstone.com/culture/culture-news/anti-vax-trucker-convoys-porno-metal-ram-ranch-1297926/">https://www.rollingstone.com/culture/culture-news/anti-vax-trucker-convoys-porno-metal-ram-ranch-1297926/</a> A Porno-Metal Song About Gay Cowboys Is Disrupting the Anti-Vax Trucker Convoy (7)	<a href="https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-gets-paid-vaccine-sales-fda-approvals/">https://nationalfile.com/university-funds-bidens-think-tank-hosts-factcheck-org-contract-biotech-gets-paid-vaccine-sales-fda-approvals/</a> University That Funds Biden's Think Tank And Hosts FactCheck.Org Has Contract With BioNTech, Gets Paid For Vaccine Sales And FDA Approvals (25)	<a href="https://twitter.com/Emjay19841/status/1493765117074292737/video/1">https://twitter.com/Emjay19841/status/1493765117074292737/video/1</a> Antivax video from suspended account (41)	<a href="https://pastebin.com/0fuPrA1q">https://pastebin.com/0fuPrA1q</a> Smallpox Vaccination post (2)	<a href="https://trib.al/UEVEKwc">https://trib.al/UEVEKwc</a> Mayor Adams fires 1,430 NYC workers for refusing to get COVID vaccine (35)	<a href="https://hannity.com/media-room/jordan-dunks-on-biden-will-you-have-to-show-your-vaccine-passport-to-get-your-crack-pipe/">https://hannity.com/media-room/jordan-dunks-on-biden-will-you-have-to-show-your-vaccine-passport-to-get-your-crack-pipe/</a> JORDAN DUNKS ON BIDEN: 'Will You Have to Show Your Vaccine Passport to Get Your Crack Pipe?' (5)
<a href="https://dailyexpose.uk/2022/02/11/triple-vax-deaths-increase-by-495-percent-pandemic-fully-vaccinated/">https://dailyexpose.uk/2022/02/11/triple-vax-deaths-increase-by-495-percent-pandemic-fully-vaccinated/</a> Deaths among Triple Vaccinated increased by 495% in January with the Vaccinated accounting for 4 in every 5 Covid-19 Cases, Hospitalisations & Deaths since December (52)	<a href="https://alexberenson.substack.com/p/the-mrna-covid-shots-are-killing-7-8kzhob&amp;utm_campaign=post&amp;utm_medium=web">https://alexberenson.substack.com/p/the-mrna-covid-shots-are-killing-7-8kzhob&amp;utm_campaign=post&amp;utm_medium=web</a> The mRNA Covid shots are killing teenagers (6)	<a href="https://twitter.com/Emjay19841/status/1493765117074292737/video/1">https://twitter.com/Emjay19841/status/1493765117074292737/video/1</a> Antivax video from suspended account (15)	<a href="https://www.rollingstone.com/culture/culture-news/anti-vax-trucker-convoys-porno-metal-ram-ranch-1297926/">https://www.rollingstone.com/culture/culture-news/anti-vax-trucker-convoys-porno-metal-ram-ranch-1297926/</a> A Porno-Metal Song About Gay Cowboys Is Disrupting the Anti-Vax Trucker Convoy (41)	<a href="https://sacramento.cbslocal.com/2022/02/11/ca-bill-employee-vaccine-requirement/?aid=620759f0126b050001db728d8&amp;utm_campaign=trueAntihem+Manual&amp;utm_medium=trueAntihem&amp;utm_source=twitter">https://sacramento.cbslocal.com/2022/02/11/ca-bill-employee-vaccine-requirement/?aid=620759f0126b050001db728d8&amp;utm_campaign=trueAntihem+Manual&amp;utm_medium=trueAntihem&amp;utm_source=twitter</a> All California Workers Would Be Required To Get Vaccinated Under New Bill (2)	<a href="https://twitter.com/Emjay19841/status/1493765117074292737/video/1">https://twitter.com/Emjay19841/status/1493765117074292737/video/1</a> Antivax video from suspended account (19)	<a href="https://www1.nyc.gov/site/doh/covid/covid-19-data.page#daily">https://www1.nyc.gov/site/doh/covid/covid-19-data.page#daily</a> COVID-19: Data (5)

## Analysis of Tweepsters - Super Spreaders

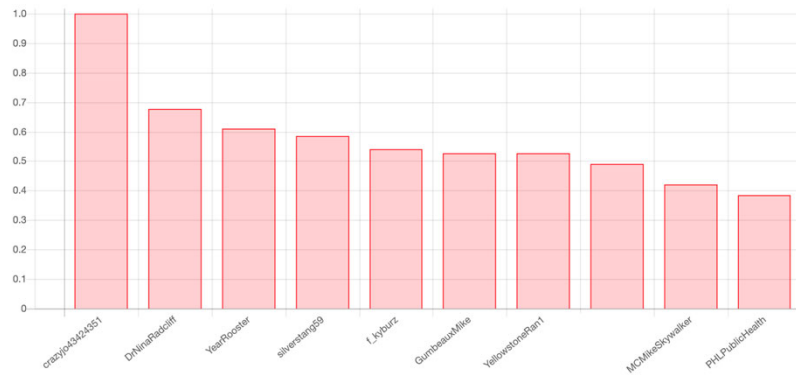
- ❑ Super Spreaders are users which generate content that is shared often, and hence spread information effectively.



4/3/2022

## Analysis of Tweeters - Super Friends

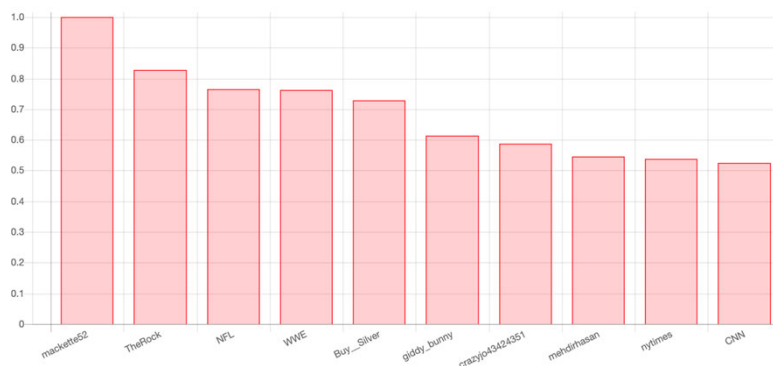
- ❑ Super Friends are users that exhibit frequent two-way communication, facilitating large or strong communication networks.



4/3/2022

## Analysis of Tweeters - Other Influencers

- ❑ Other Influencers are users which have an active network presence, by tweeting often or mentioning users often, and operate in central parts of the conversation, such as by using important hashtags, or mentioning important users.



4/3/2022

## Accounts Referenced by the Most Tweets

- ❑ This shows the tweeters that are most often referenced (e.g. mentioned) in PA tweets. Value is the number of tweets that reference the agent.

Agent Label	Value
TimJDillon	584
TheHoopCentral	569
Mahogany_Mama	544
VPrasadMDMPH[+]	382
pfizer[+]	364
JustinTrudeau[+]	307
TheGreatIsNate	304
RadioFreeTom[+]	280
WWE[+]	272
DrAseemMalhotra	250

4/3/2022



## Trending Tweets February 11 – February 17

Tweets that are the most forwarded, either by retweet, reply, or quote:

- ❑ Keep mask mandates - especially in schools. Keep vaccine mandates - where possible. Bring in a damn vaccine mandate for domestic air travel via EO. Send out more free high-quality masks & rapid tests on a monthly basis. Tie 'opening up' to booster uptake. Expand the Supreme Court
- ❑ @TheHoopCentral Tell me who's stopping these 3? <https://t.co/pZOZKSZewn>
- ❑ Breaking... Philly Firefighters file suit over vaccine mandate.. this is what pushback looks like folks ✓
- ❑ BTW Philly supported Lane Johnson and Brandon Brooks all of the way through mental health issues.
- ❑ Bombshell From Malone... "The Top Owner of Spotify Is Also The Top Owner of Moderna" <https://t.co/HnoEkdpFNM>
- ❑ Kanye couldn't get Lauryn Hill's vocal sample cleared for "All Falls Down" so Ye & John Monopoly flew down to Miami & went door to door looking for her. She eventually cleared her vocals, then denied. Syleena Johnson came in at the literal last minute & re-sang it saving the song
- ❑ In the latest in his "Just a Minute" series, Dr. Peter Marks discusses the importance of 12- through 17-year-olds to receive a #COVID19 vaccine booster. <https://t.co/0dA5Eu1a8i>
- ❑ I've been noticing more & more the lack of variation in tone, cadence, rhythm, language in ministers' speech. Raab, Truss, Patel, Johnson, Mogg, Gove could be talking about Covid, Ukraine, Adele, daffodils, Afghanistan, taxes, parties, Savile; they always sound exactly the same.
- ❑ Before there was a vaccine, I was allowed to sit in my college classroom with a cloth mask. Now, when 98% of my campus is triple vaxxed, I will be arrested for stepping foot onto campus without a booster and KN95 mask. What "science" are we following???
- ❑ This one makes me emotional, but man I'm smiling with goosebumps of gratitude, mana and pride. My dad, Rocky "Soulman" Johnson was a trailblazer and became the first black @wwe tag team champions w/Tony Atlas. Thank you dad. I will forever be proud of who and what I am. I love u. <https://t.co/0N1SlqtNj>

4/3/2022

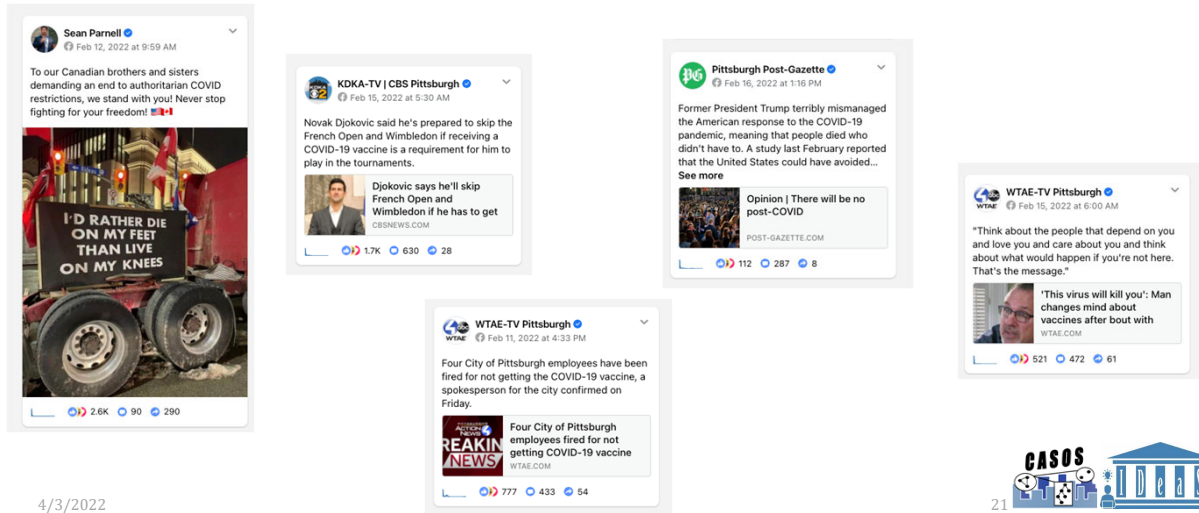




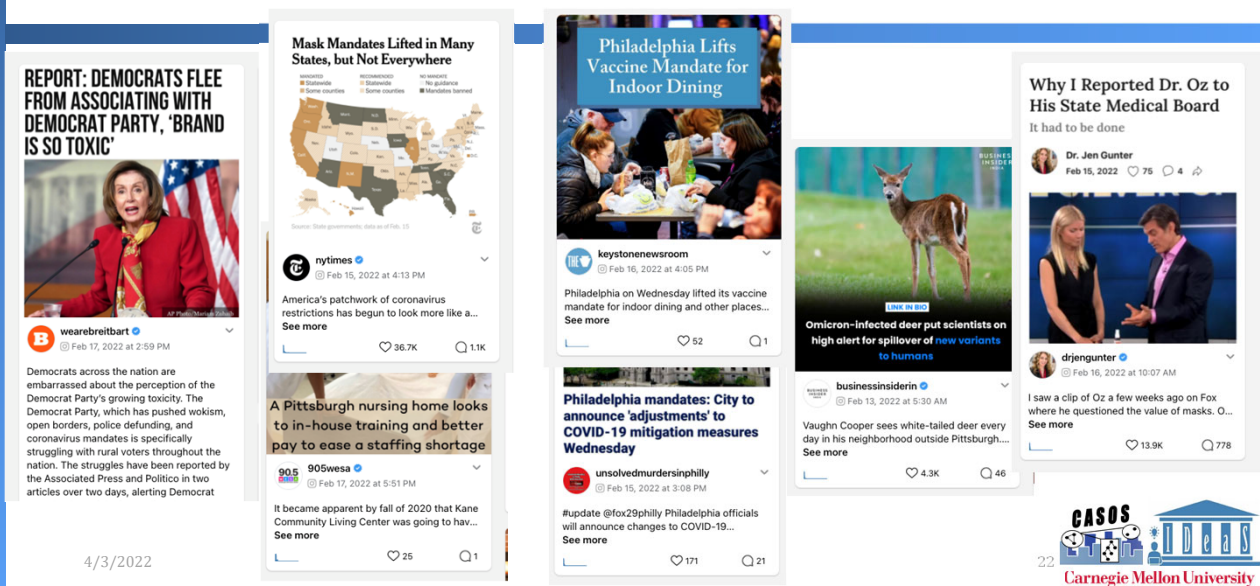




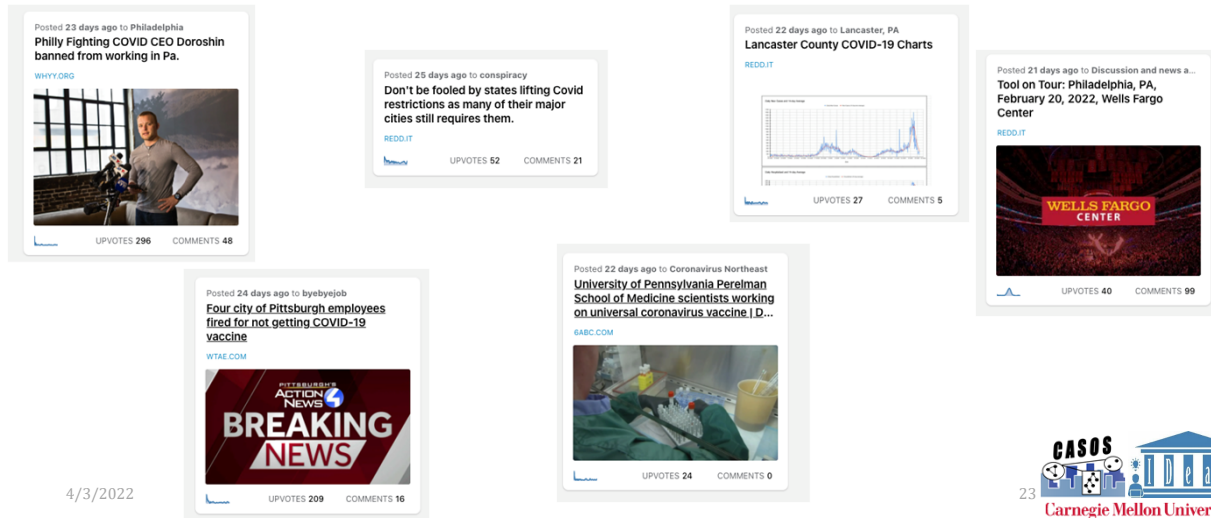
## Trending Posts on Facebook February 11 – February 17



## Trending Posts on Instagram February 11 – February 17



## Trending Posts on Reddit February 11 – February 17



4/3/2022

23



## For More Information

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  - ❑ <http://www.casos.cs.cmu.edu/bios/carley/carley.html>
- ❑ IDeaS website - <https://www.cmu.edu/ideas-social-cybersecurity/>
- ❑ CASOS website - <http://www.casos.cs.cmu.edu/>
- ❑ Social Cybersecurity Working Group - <http://social-cybersecurity.org>
- ❑ Facebook: [@IDEasCMU](https://www.facebook.com/IDEasCMU)
- ❑ Twitter: [@IDeaSCMU](https://twitter.com/IDeaSCMU)
- ❑ YouTube: [IDeaS Center](https://www.youtube.com/IDeaS-Center)
- ❑ Ask to be on our Email-Distro Lists

4/3/2022

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24

